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2018 EXPLORATION OF THE RUSTY LAKE PROPERTY, ONTARIO

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SUBMITTED: NOVEMBER 14, 2018

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1. PROGRAM OBJECTIVE & SUMMARY

This assessment report summarizes the 2018 ground exploration completed on the Rusty Lake Property (the “Property”), situated approximately 14 km south of Gowganda, Ontario. The Property is comprised of 57 contiguous mining claims (~930 ha) and is accessible by 4x4 vehicle along the Beauty Lake Road off Highway 560. Work completed during the reporting period was carried out by Dahrouge Geological Consulting Ltd. (“Dahrouge Geological”), on behalf of MetalsTech Ltd. (“MetalsTech”).

The Property encompasses the historical Rusty Lake Mine (formerly Hudson Bay Silver Mine, Silver Gowganda and Silver Valley Mine), which was a silver mine in operation from 1910 to 1968. (Mcilwaine, 1971). Evidence of the historical working are present throughout the Property with numerous historical shafts and trenches still visible and exposed.

This assessment report covers the exploration completed on the Property in May, July and August of 2018 and includes prospecting, rock sampling and soil sampling. The objectives of the program were to confirm results of mineralization from the historical mine area as well as examine several geophysics anomalies to evaluate the potential for further cobalt mineralization on the Property.

The program was successful in confirming historical cobalt mineralization on the Property. A total of 45 rock samples and 134 soil samples were collected property wide.

Total expenditures for this reporting period on the Rusty Lake Property were \$39,080.13, excluding taxes.

2. PROPERTY DESCRIPTION & LOCATION

The Rusty Lake Property is situated approximately 14 km south of the town of Gowganda directly adjacent to the Beauty Lake Road, and is located within the townships of Leith and Charters (Figure 1 and Figure 2) Flanagan Lake, Flanagan Creek and several small unnamed water bodies are located on the Property.

The Property location and claim boundaries are presented in Figure 1 and Figure 2, with a Property claim listing presented in Appendix 1.

2.1 PROPERTY ACCESS

Access to the Property is attained via 4x4 truck along the well-maintained Beauty Lake Road, just past kilometer marker 27. The turnoff to Beauty Lake Road is approximately 16 km east along Highway 560 from Gowganda. The Property lies adjacent to the north of Beauty Lake Road. A network of unmaintained trails is present surrounding the historical mine site.

The July 2018 exploration program was staged out of the Gowganda Motel in Gowganda, ON which is approximately 45 km by road from the Property. The August 2018 program was staged out of the Frontiersman Motel in Latchford, ON, which is approximately 140 km from the Property.

2.2 PERSONNEL

Three geologists from Dahrouge, two student geologists, an experienced local prospector and a local field assistant formed the crew for the 2018 exploration program. Table 1 outlines the dates each individual was on the Property.

Table 1: Personnel Involved in 2018 Exploration Program

Name	Title	Date(s) Worked
Anna Mullan	Project Geologist	May 22, 2018
Patrik Schmidt	Exploration Geologist	July 10-11, 15-23, 2018
Rejean Gagnon	Field Assistant	July 16-20, 2018
Krisma Charlton	Student Geologist	July 10-11, 21-23, 2018 August 8, 11, 12, 2018
Al Kon	Prospector	May 22, 2018, July 10, 17-22, 2018 August 8-9, 2018
Henry Lole	Project Geologist	August 8-12, 2018
Joshua Mallet	Student Geologist	August 8-12, 2018

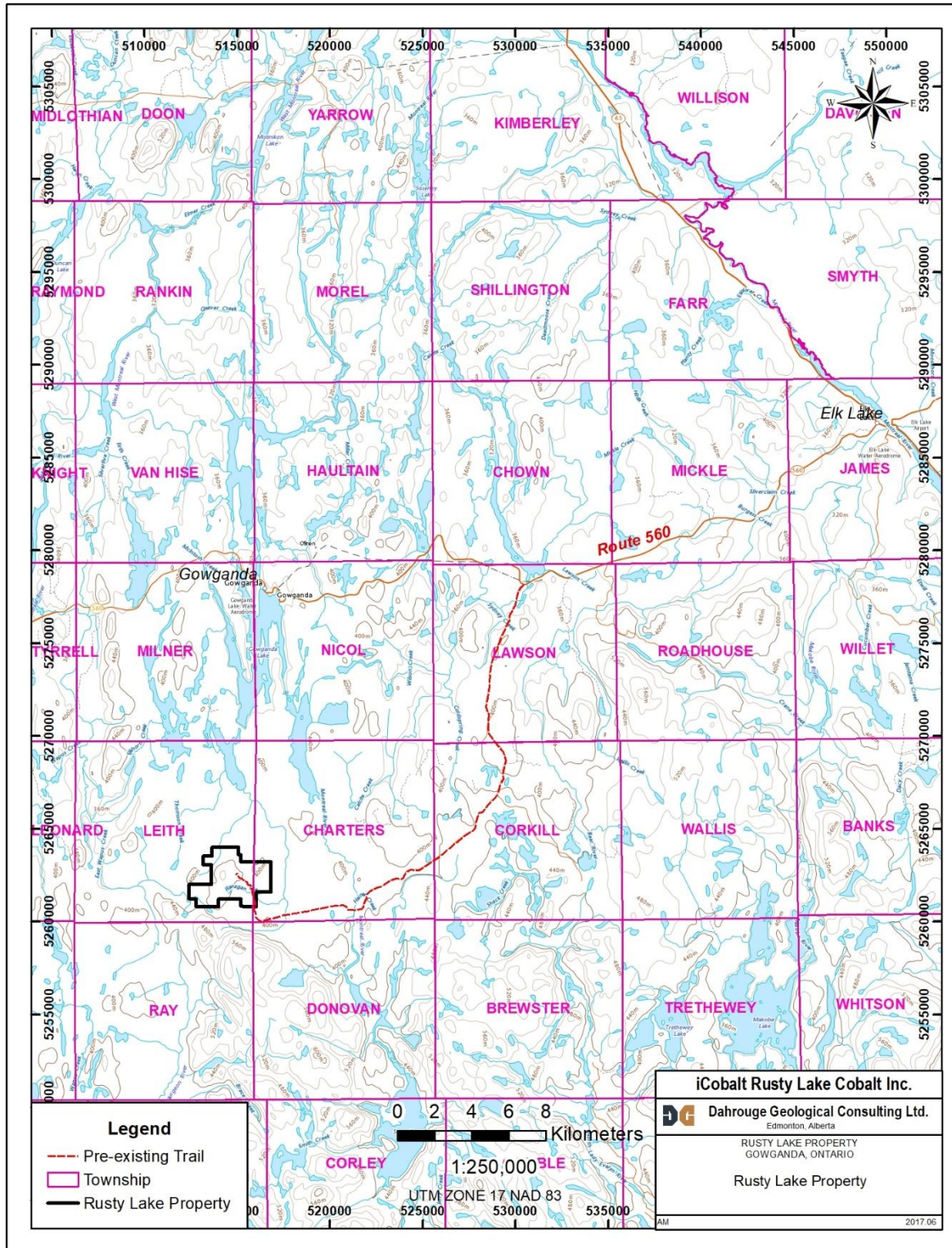


Figure 1: Property Location Map

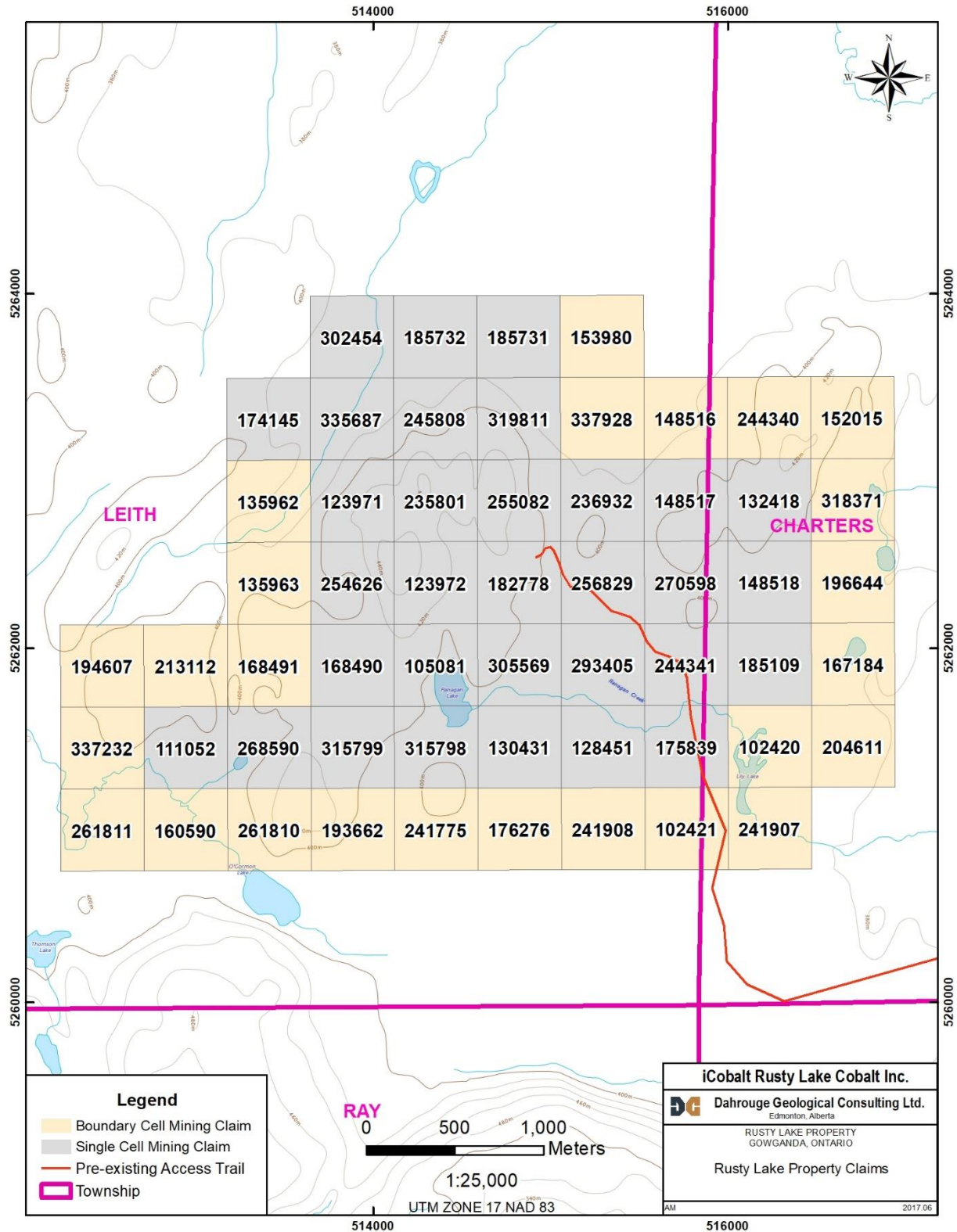


Figure 2: Claim Map

3. GEOLOGICAL SETTING

3.1 REGIONAL GEOLOGY

According to Joyce et. al. (2012), the Cobalt-Gowganda area is underlain by the Huronian Sequence, which consists of a variety of essentially flat-lying, coarse to fine grained clastic sediments of the Cobalt Group. The Cobalt Group has been subdivided into the Gowganda, Lorrain and Gordon Lake formations. The Gowganda Formation is subdivided into the Firstbrook and Coleman members; the Coleman Member, predominately conglomerate, laminated siltstone and sandstone, is the most important sediment host to the silver vein deposits. Archean basement rocks are exposed within the Cobalt Embayment as isolated inliers and both the sediments and basement rocks have been intruded by sills and dikes known as the Nipissing Diabase. Corfu and Andrews (1986) report a U-Pb baddelyite age of 2219.4±4 Ma for Nipissing Diabase near Gowganda, but because of its widespread occurrence throughout the Huronian Supergroup, it is not known whether these intrusions occurred as a single event or in stages over a considerable period of time. Compositionally, an olivine tholeiite the Nipissing Diabase occurs as a suite of gabbroic sills and steeply dipping dikes and plugs. The sills, more accurately described as undulating sheets, maintain a relatively uniform thickness of 980-1100 feet.

3.2 PROPERTY GEOLOGY

The prominent formations present on the Property are the Gowganda Formation, Lorrain Formation and the Nipissing Diabase. The Precambrian Gowganda Formation is an ancient glacial deposit comprised mainly of siltstone, sandstone and conglomerates. The Nipissing Diabase intrusion cross cuts the Gowganda and Lorrain formations and is the most prominent rock type identified on the Property (Bloomer and Elerby, 1961). Several outcrops of the Nipissing Diabase are present in the central part of the Property, while the Gowganda Formation outcrops in the southern portion of the Property.

Mineralization at the historical mine site is associated with carbonate and aplite veining within the Nipissing Diabase and can occur as native silver, cobalt and nickel arsenides (McIlwaine, 1971).

A summary of the Property's geological setting is presented in Figure 3.

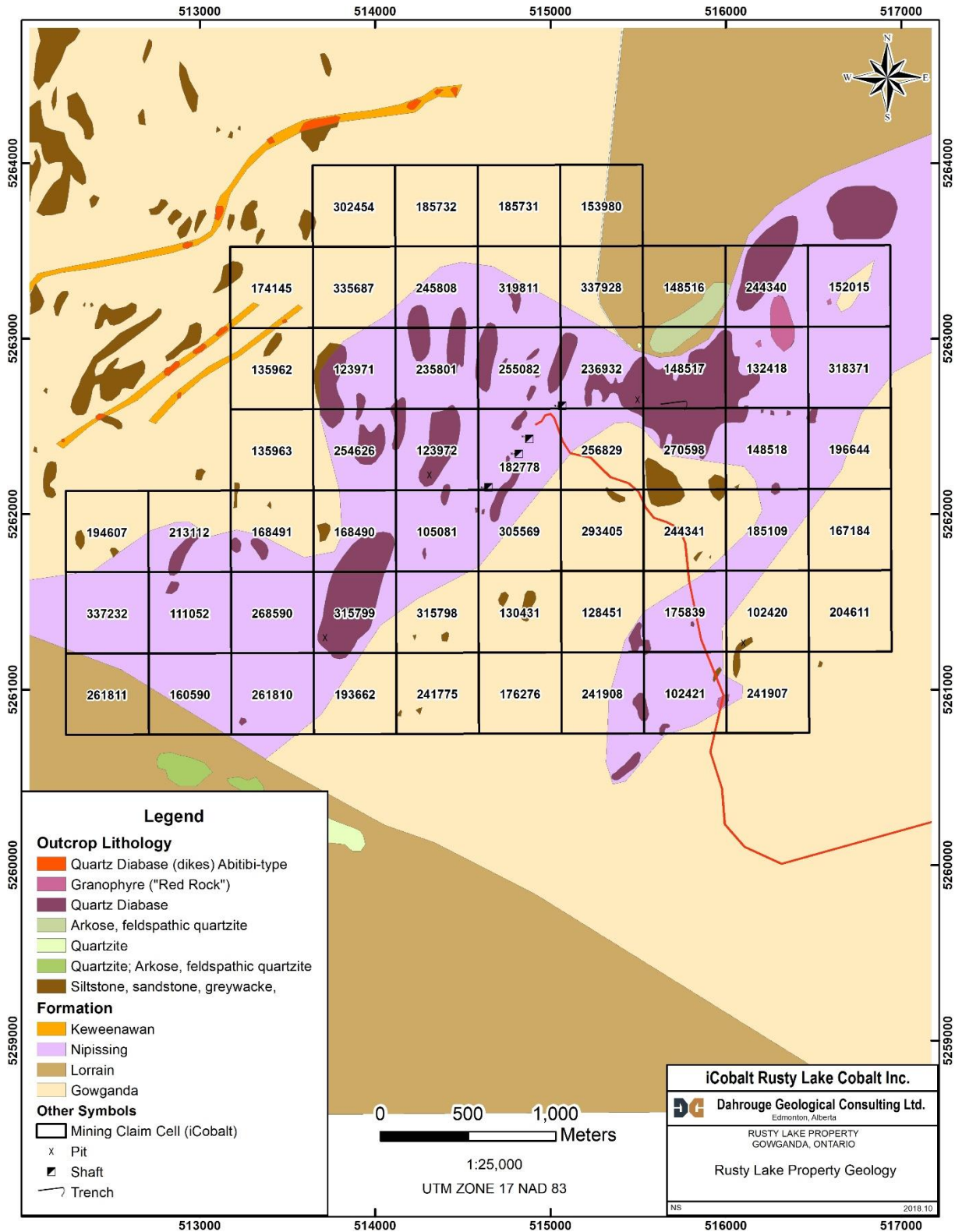


Figure 3: Property geology

4. HISTORIC WORK

The Property was originally named the Hudson Bay Silver Mine and began operation in 1910 following its discovery in 1908. Operations ceased in 1913 but the Property was worked again from 1935 to 1936 under in the name Silverado Gowganda, and from 1937 to 1939 as Silver Valley Mines. The Rusty Lake Mining Corp. acquired the Property in 1960 followed by Rustex Mining Crop in 1968. A total of four shafts were sunk to a maximum depth of 176' (54 m) (Figure 4). There are some conflicting reports on the history of the mine but according to Mcilwaine (1971), approximately 80,000 ounces of silver and 565 pounds of cobalt were produced over its lifespan from 1910 to 1968. A map of the historical underground workings is displayed in Figure 4.

Other historical exploration work on the Property following closure of the mine includes:

- ~300 m of diamond drilling performed by G.Shartner in 1970.
- Extensive trenching performed by G.Shartner in 1972 surrounding Lily Pond.
- Magnetometer and VLF EM survey performed by Amador Gold Corp in 2006.
- Geological prospecting performed by Amador Gold Corp in 2008.
- Airborne Versatile Time Domain Electromagnetic (VTEM) Survey performed by Amador Gold Corp 2008.
- Max/Min HLEM Survey performed by Amador Gold Corp in 2009.
- Spectrometer and Beep Mat survey performed by Ashley Gold Mines Ltd in 2015.

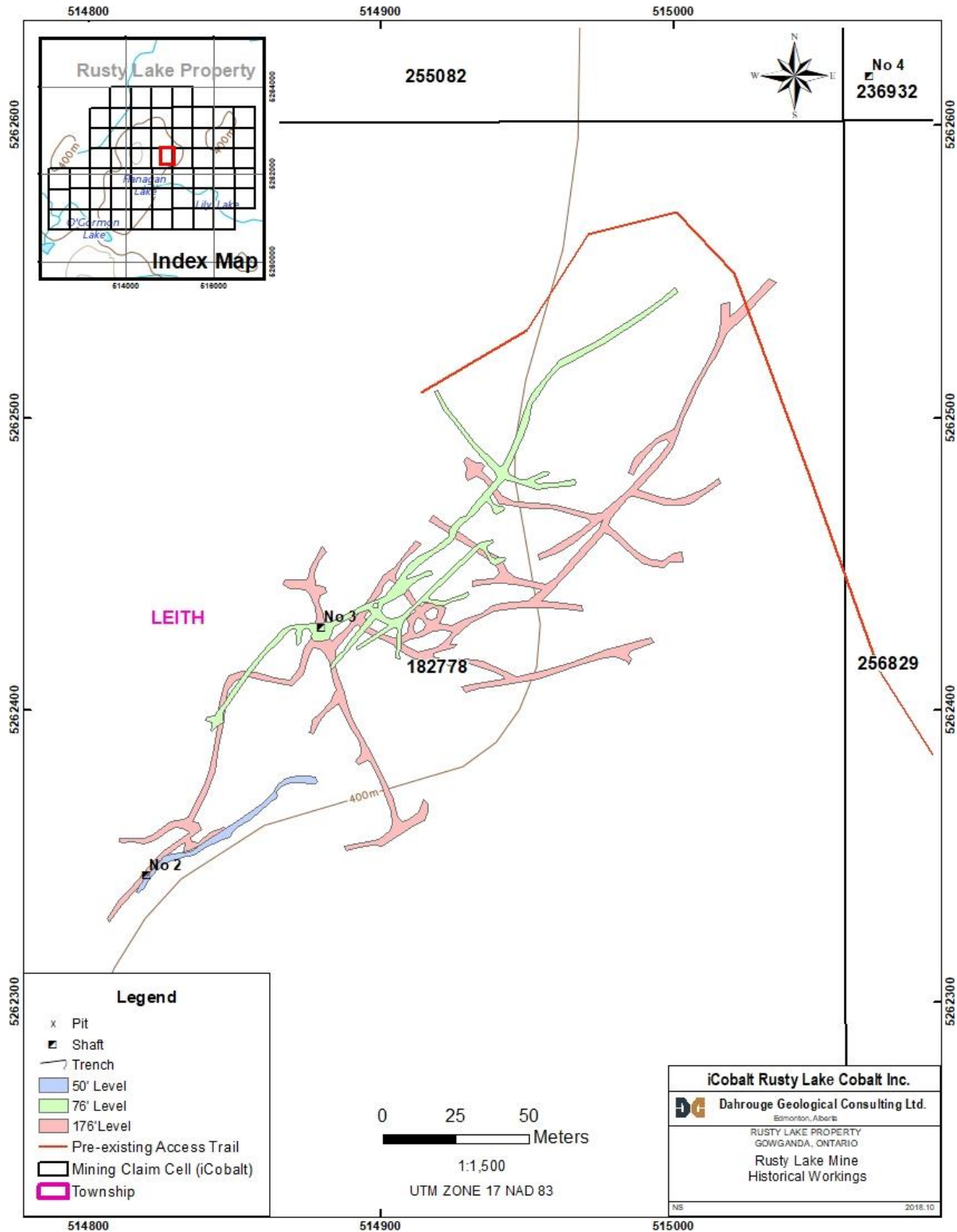


Figure 4: Historical underground workings of Rusty Lake Mine

5. 2018 EXPLORATION SUMMARY

The 2018 exploration program consisted of three phases of prospecting, soil sampling and rock sampling. The first phase of field work began on May 22, 2018 and the final phase of prospecting was completed on August 12, 2018.

5.1 PROSPECTING AND ROCK SAMPLING

The prospecting and rock sampling program focused primarily on the historical workings of the Rusty Lake mine as well as several targets on the Property which had previously outlined by historical geophysical surveys. The primary objective of the prospecting was to identify additional areas of cobalt mineralization and confirm historical mineralization in the mine area. The results aided in the delineation of drill targets for the autumn 2018 drill program. A total of ~63 line km were traversed throughout the program (Appendix 2). Table 2 outlines the daily traverses of the prospecting survey. Figures displaying trackpoints of daily traverses are displayed in Appendix 2 and prospecting observation descriptions are located in Appendix 3.

Table 2: Daily Prospecting Survey Log

Date	Traversed km	Personnel	Rock Samples Collected	Soil Samples Collected	Target Zone
May 22, 2018	3 km	Anna Mullan	8	-	Site visit of historical mine workings
July 10, 2018	-	Patrik Schmidt Krisma Charlton Al Kon	-	-	Site reconnaissance and access determination
July 11, 2018	8.2 km	Patrik Schmidt Krisma Charlton	6	9	Geophysics targets A1-A2
July 15, 2018	3.2 km	Patrik Schmidt	5	-	Historical workings shaft No1 – No3
July 16, 2018	3.3 km	Patrik Schmidt Rejean Gagnon	3	6	Historical workings shaft No1 – No3, Commenced soil sampling line 2
July 17, 2018	3.7 km	Patrik Schmidt Rejean Gagnon	1	17	Continued soil sampling along soil line 2
July 18, 2018	7.3 km	Patrik Schmidt Al Kon Rejean Gagnon	1	-	Historical workings shaft No1 – No4, Geophysics targets A1 and A4
July 19, 2018	3.7 km	Patrik Schmidt Rejean Gagnon	-	23	Soil line 3
July 20, 2018	3.3 km	Patrik Schmidt Al Kon	2	20	Commenced soil line 4
July 21, 2018	6.7 km 3.2 km	Patrik Schmidt Krisma Charlton Al Kon	1 -	10 24	Commenced soil line 1 Continued soil line 4

July 22 ,2018	4.1 km	Patrik Schmidt Krisma Charlton	2 -	8 19	Completed soil Line 4 Completed soil line 1
July 23, 2018	-	Patrik Schmidt Krisma Charlton	-	-	Demobilization/Travel Day
August 8, 2018	3 km	Henry Lole Joshua Mallet Krisma Charlton Al Kon	-	-	Geophysics Target A1-A4
August 9, 2018	1 km	Joshua Mallet Al Kon	4	-	Geophysics Target A3
August 10, 2018	4 km	Henry Lole Joshua Mallet	4	-	Geophysics Targets G1 and G2
August 11, 2018	3.1 km	Henry Lole Joshua Mallet Krisma Charlton	3	-	Geophysics Target E1 and E2
August 12, 2018	2 km	Henry Lole Joshua Mallet Krisma Charlton	2	-	Geophysics Target F1 and F2

A total of 45 rock samples were collected during there three phases of prospecting, of which 15 were identified as boulders and 30 were identified as outcrop. Of this, 9 samples returned grades of Co greater than 2000 ppm, with a high of 6.9% Co. In addition, some samples returned anomalous Ni, Ag and Cu values. Select analytical results are presented in table 3.

Table 3: Select Mineralized Samples from the 2018 Rusty Lake Prospecting Program

Sample ID	Date	Sample Type	Co (%/ppm)	Ni (%/ppm)	Ag (g/t)	Cu (%)
125351	05/22/2018	Tailings	2.67 %	4160 ppm	2.05	51 ppm
125352	05/22/2018	Tailings	6.9 %	2.67 %	3.21	286 ppm
125353	05/22/2018	Tailings	5.63 %	3210 ppm	2.37	200 ppm
125354	05/22/2018	Tailings	8.86 %	2.28 %	>10000	3460 ppm
125355	05/22/2018	Tailings	272 ppm	67.8 ppm	226	3.21%
125356	05/22/2018	Tailings	8570 ppm	1060 ppm	92	62 ppm
125357	05/22/2018	Tailings	6610 ppm	18.65 %	3.26	31.2 ppm
125563	07/16/2018	Boulder	2.73 %	1.02 %	4.65	68.2 ppm
125561	07/15/2018	Boulder	8530 ppm	1155 ppm	4.92	28.8 ppm
125557	07/15/2018	Boulder	2000 ppm	73.9 pp,	2.4	390 ppm
125584	08/11/2018	Tailings	423 ppm	75.2 ppm	15.8	531 ppm

The samples that returned the highest cobalt results were tailings grab samples in close proximity to the historical mine workings. All samples collected regionally, or along geophysical targets returned generally low values of Co, Cu and Ag.

Rock samples were sent to ALS Labs in Sudbury, Ontario for analysis. Analysis packages included ME-MS61 (48 element four acid ICP MS), OG 62 (Ore Grade Ag, Co, Cu, Ni Four Acid) and Ag-GRA21 (Ag FA-GRAV finish). The samples were dropped off directly at the lab by a Dahrouge Geologist.

Locations for rock samples collected and corresponding cobalt values are presented in Figure 5-7, with descriptions presented in Appendix 6. Corresponding analytical certificates are presented in Appendix 7.

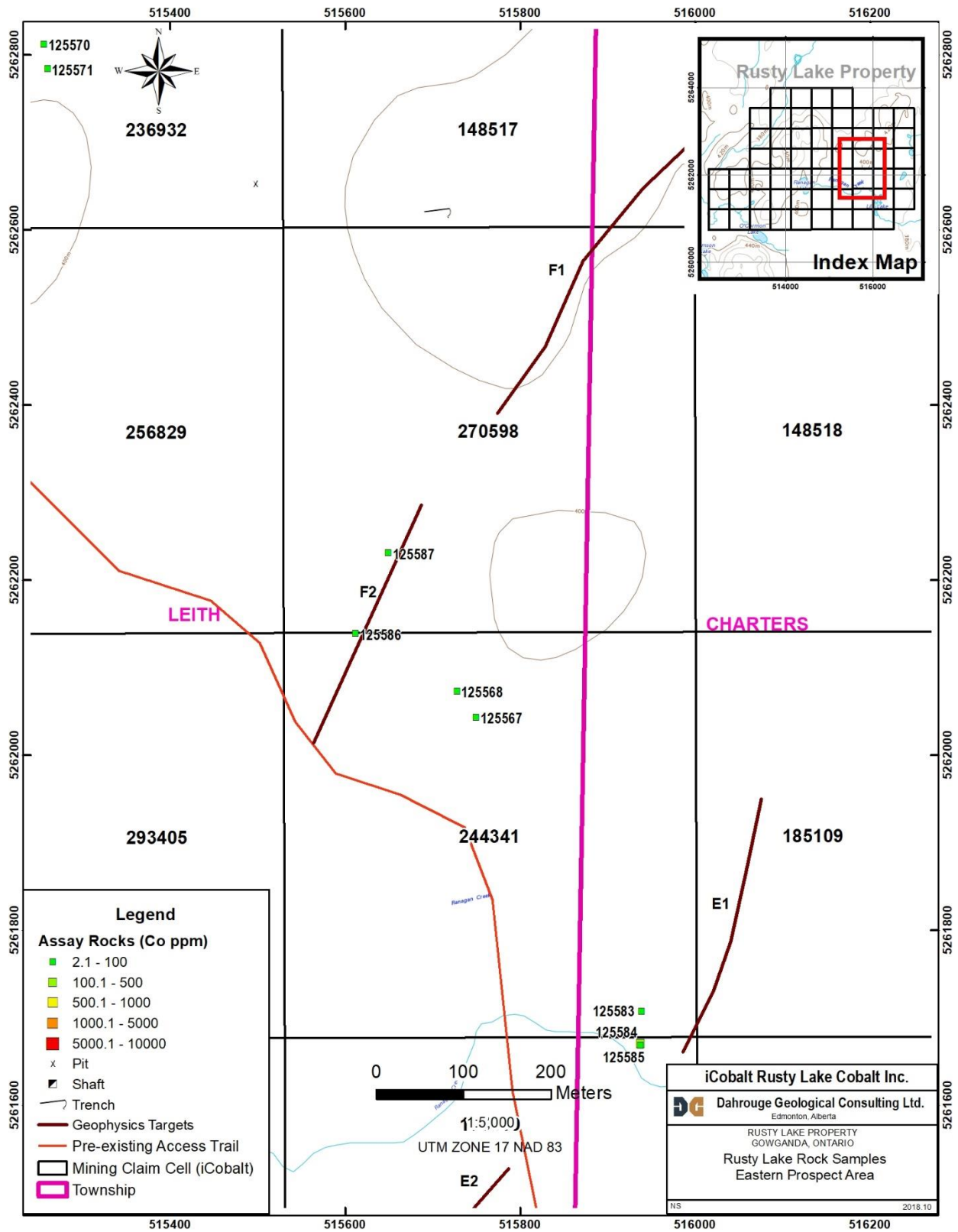


Figure 5: 2018 Rusty Lake Rock Samples – Eastern Prospect Area

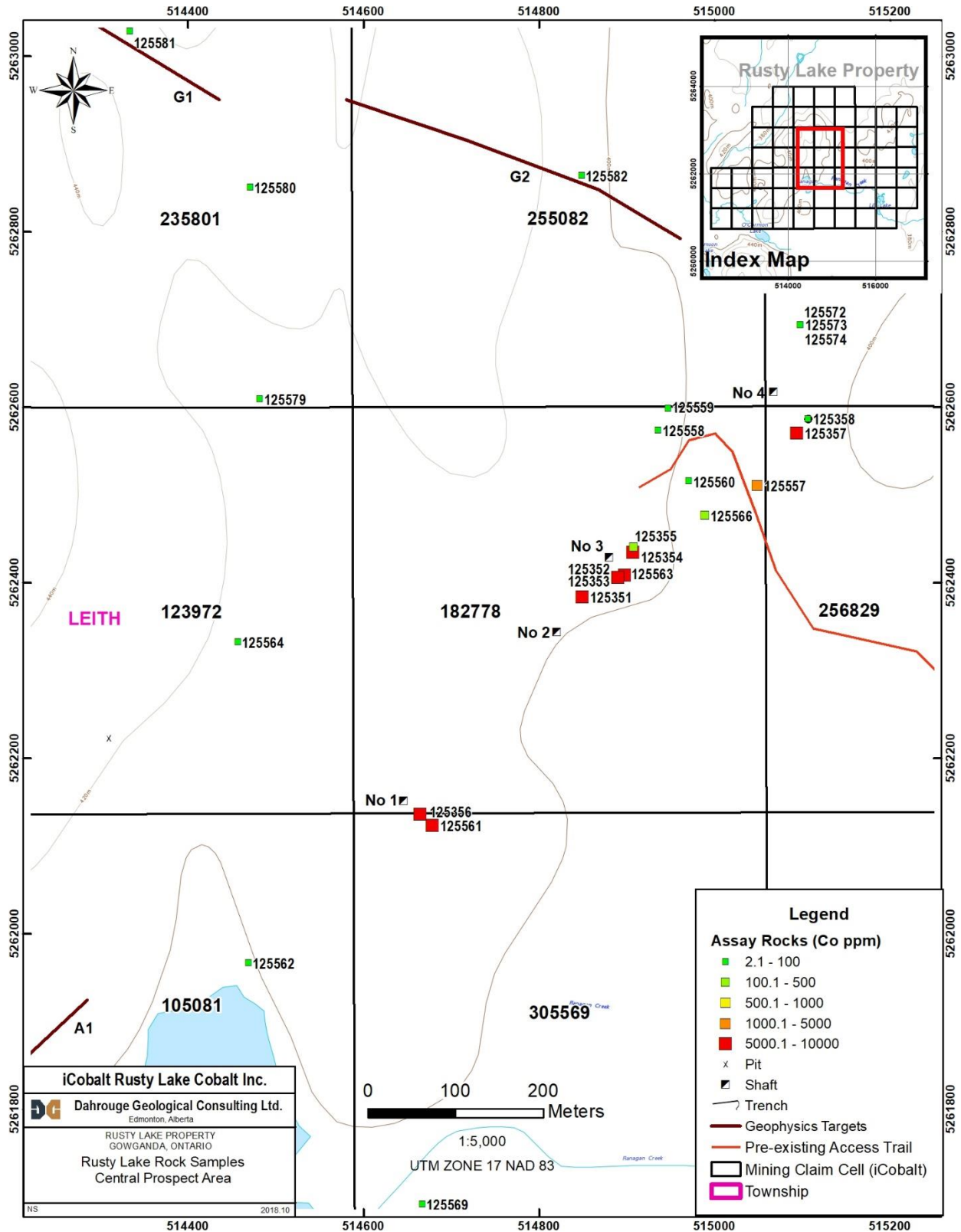


Figure 6: 2018 Rusty Lake Rock Samples – Central Prospect Area

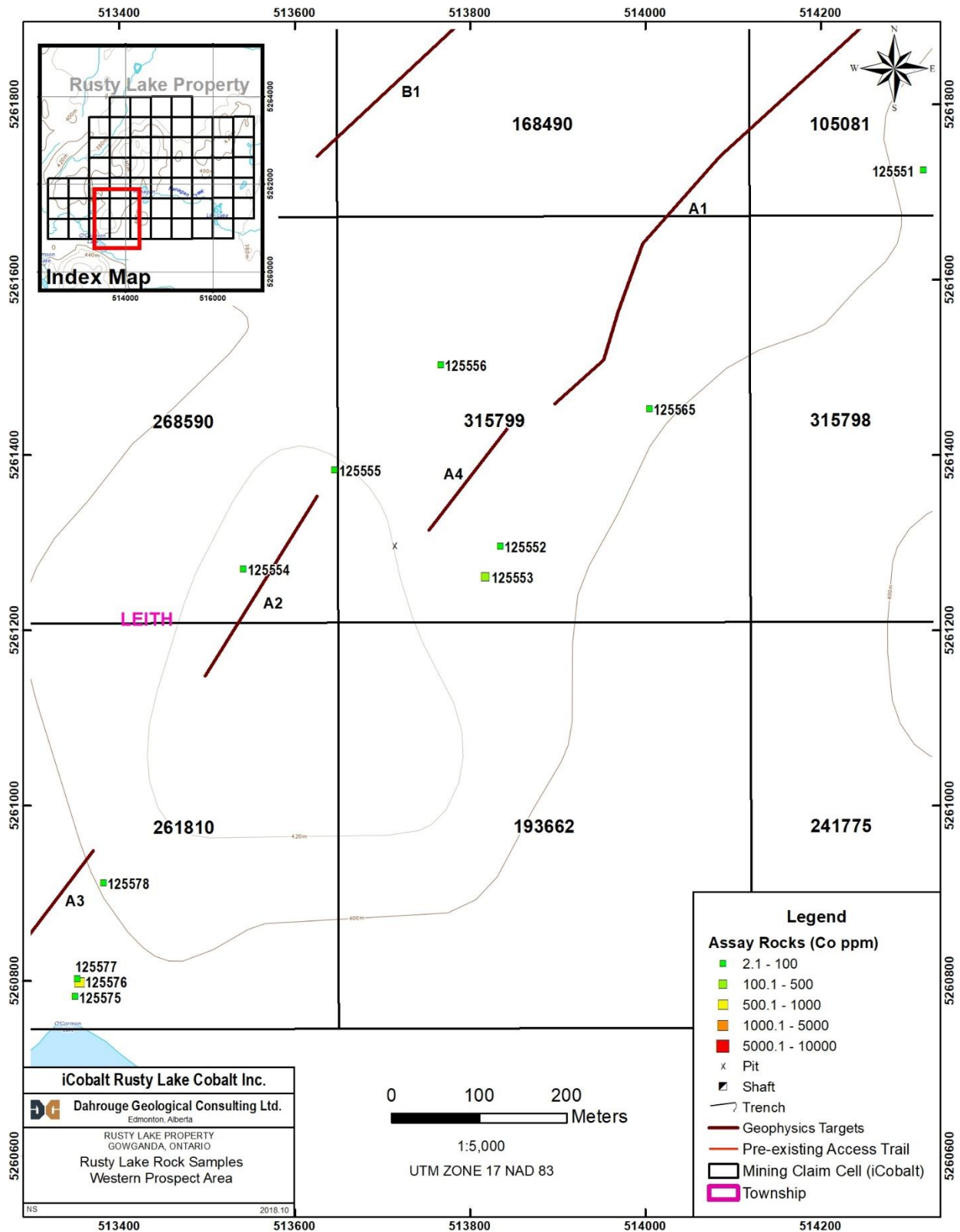


Figure 7: 2018 Rusty Lake Rock Samples – Western Prospect Area

5.2 SOIL SAMPLING

Soil sampling was completed on the Rusty Lake Property over a period of seven days in July 2018. The focus of the program was to assess to the ability of soil sampling in identifying new cobalt anomalies on the Property.

A total of 134 soil samples were collected over four regional soil lines in addition to 9 samples collected in a small isolated grid in the southern portion of the Property. The four soil lines were oriented northeast-southwest and spaced ~400 m to 500 m apart with stations every 25 m.

Soil sample locations were calculated prior to the field survey using ArcGIS software to generate an idealized grid. The locations were traversed to using hand held GPS units and samples collected. The target depth for soil samples is the 'B' horizon with holes averaging between 10 cm to 50 cm. The wetness, colour, grain size, sorting, clast characteristics (abundance, shape, size, rock type), and amount of organics were noted by the field crew where applicable. The soil sample was placed in a labelled paper bag.

Soil samples were sent to ALS Labs in Sudbury, Ontario for rushed analysis. Analysis packages included AuME-TL43 (Trace Au + Multi Element Pkg), with 12 samples receiving ME-MS41L (Super Trace Lowest DL AR by ICP-MS) due to insufficient material in the sample. The samples were dropped off directly at the lab by a Dahrouge Geologist.

Overall the soil sample results were inconsistent. A total of seven soil samples assayed greater than 10 ppm, with one sample returning a value of 717 ppm; however, no distinct trends were identified even over zones of known historical mineralization. This is potentially due to several factors, particularly the narrow zones of mineralization associated with vein hosted deposits as well as the amount of glacial till in the area. Disturbance of the soil during previous mining or exploration programs could also be a factor.

Locations for soil samples and corresponding cobalt values are presented in Figure 8-10, with descriptions presented in Appendix 6. Corresponding analytical certificates are presented in Appendix 7.

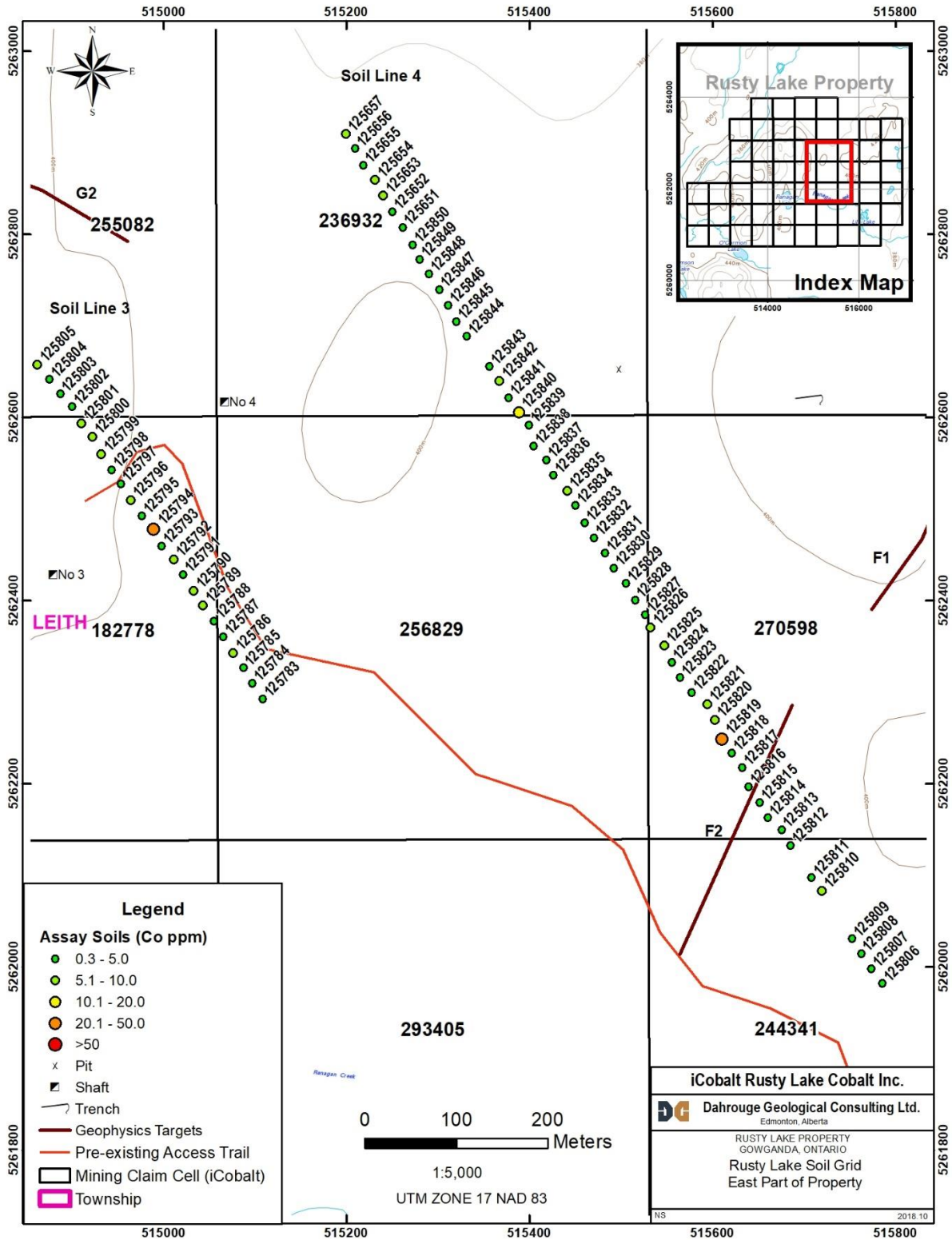


Figure 8: 2018 Rusty Lake Soil Samples – Eastern Part of Property

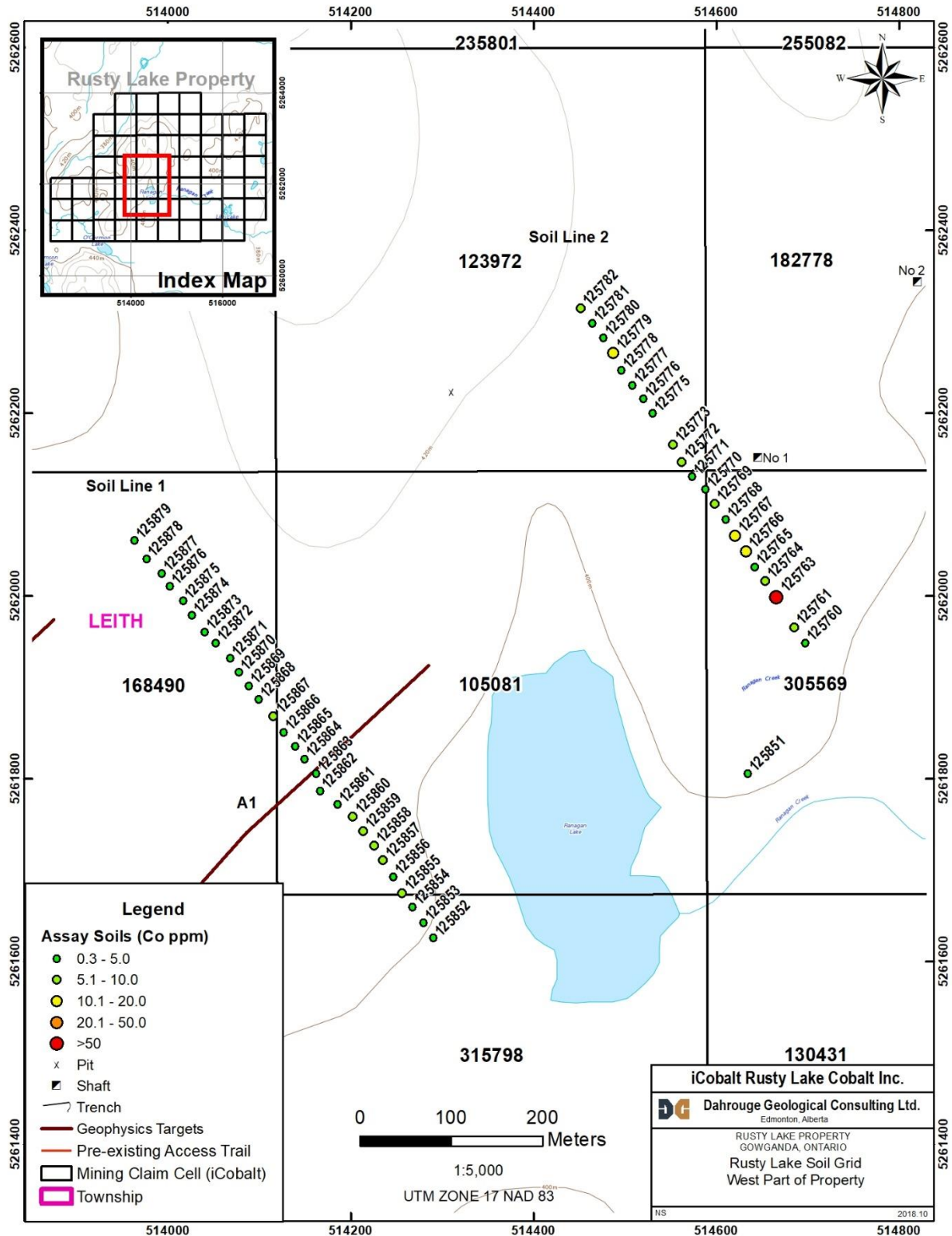


Figure 9: 2018 Rusty Lake Soil Samples – Western Part of Property

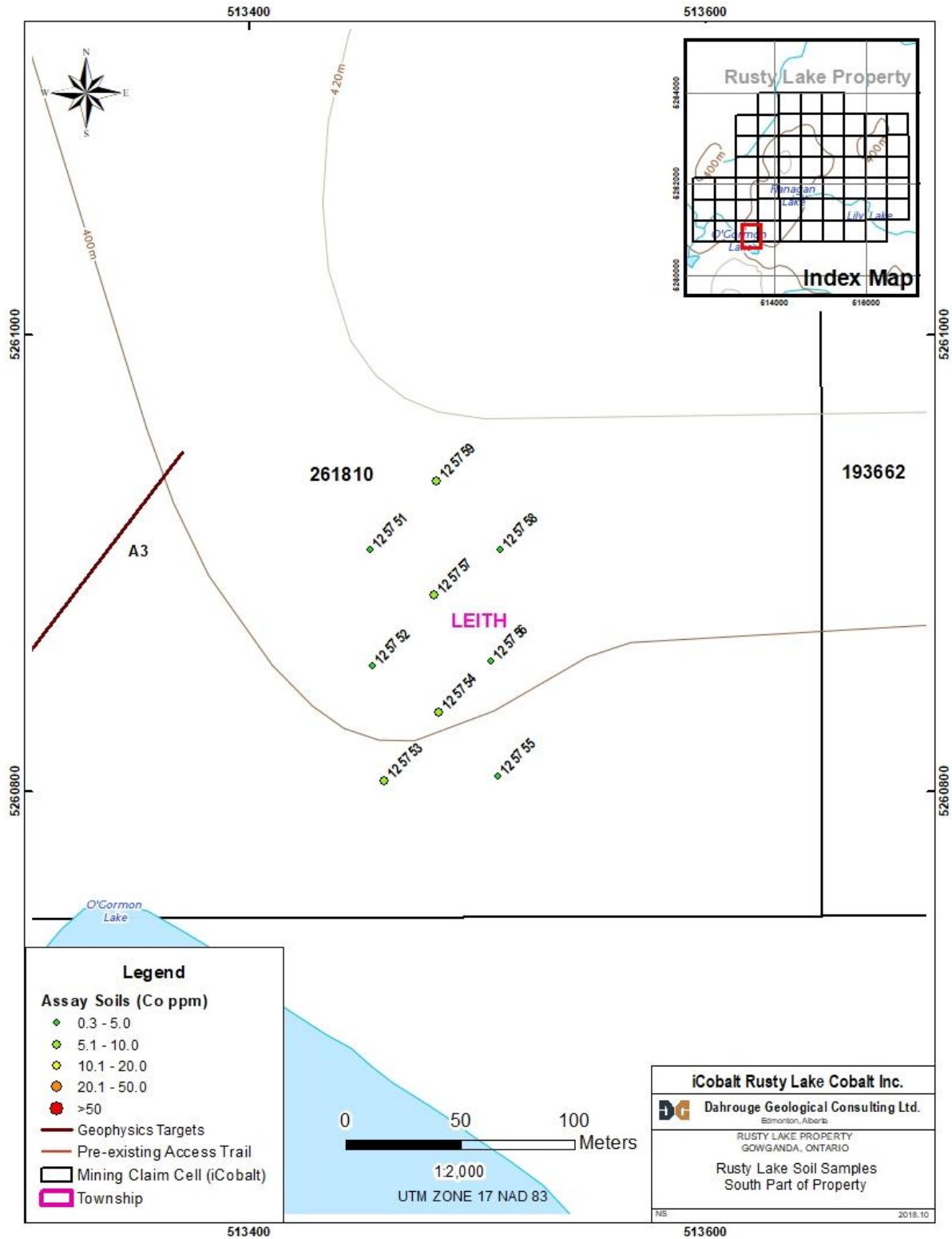


Figure 10: 2018 Rusty Lake Soil Samples – Southern Part of Property

6. WORK PERIOD EXPENDITURES

Total work expenditures for this reporting period on the Rusty Lake Property were \$39,080.13 excluding taxes. The breaks down to \$2,016.99 in May, \$29,345.57 in July, and \$7,717.57 in August. Work expenditures for the reporting period are summarized in Table 4.

Table 4: Work Expenditures for Rusty Lake Property from May to August 2018

Date(s)	Accommodation	Fuel	Equipment Rental	Geological Work	Assays
May 22, 2018	\$145.00	-	\$14.00	\$1,200.00	\$657.99
July 10-23 2018	\$2,105.00	\$277.91	\$124.00	\$11,640.00	\$12,478.66
August 8-13 2018	\$860.00	-	-	\$5,507.50	\$550.07

7. DISCUSSION, INTERPRETATION, & RECOMMENDATIONS

The work completed during the 2018 exploration program was successful in confirming the presence of cobalt mineralization described in historical reports and exploration performed on the Property. Several other targets identified by geophysical surveys were examined; however, no significant mineralization was identified. No significant mineralized trends were identified from the four lines of soil samples collected.

Following completion of the 2018 prospecting program, the priority drill targets remain in the area surrounding the historical workings of the mine. A drill program was recommended and initiated to determine if the cobalt/silver mineralized veins extend further than the current extent of the shafts and tunnels.

A 1,250 m drill program was planned as follow up to the 2018 ground prospecting program and commenced in late September 2018. At the time of writing of this report, the full assay results were not yet available; therefore, the drilling work will be described in detail during an assessment report at a later date.

In addition, eleven lines ~750 m in length were cut on the Property in September 2018. These lines will eventually be used to perform an IP geophysical survey in order to define new anomalous zones on the Property.

8. REFERENCES

Bloomer, R. & Elberty, W., 1961. Geology Report on Rusty Lake Mining Corporation Claim-Group, Leith Township, Ontario. Obtained from Geology Ontario at <http://www.geologyontario.mndm.gov.on.ca/>

Corfu, F. and Andrews, A.J. (1986) A U-Pb age for mineralized Nipissing diabase, Gowganda, Ontario. Canadian Journal of Earth Sciences, 23(1), 107-109.

Joyce, D.K., Tait, K., Vertoli, V., Back, M. and Nicklin, I. (2012), The Cobalt Mining District, Cobalt, Ontario, Canada. Mineralogical Record, Volume 43, Number 6 (Nov-Dec)., 685-713

McIlwaine, W. H. (1971) Geology of Leith, Charters, and Corkill Townships District of Timiskaming. Ontario Department of Mines Geological Report 89

9. STATEMENT OF QUALIFICATIONS

November 13, 2018

I, Nathan Schmidt, authored this report titled '2018 Exploration of the Rusty Lake Property, Ontario'. I am a Geoscientist in Training employed by Dahrouge Geological Consulting Ltd., a mineral exploration, consulting, and project management group based in Edmonton, Alberta, Canada. I obtained a B.Sc., Specialization in Geology from the University of Alberta in 2011 and have been working in the field of geology since graduation. I am registered as a Geoscientist in Training with Engineers and Geoscientist British Columbia (EGBC).

Signed on November 13, 2018

Nate Schmidt, B.Sc., GIT. | Project Geologist

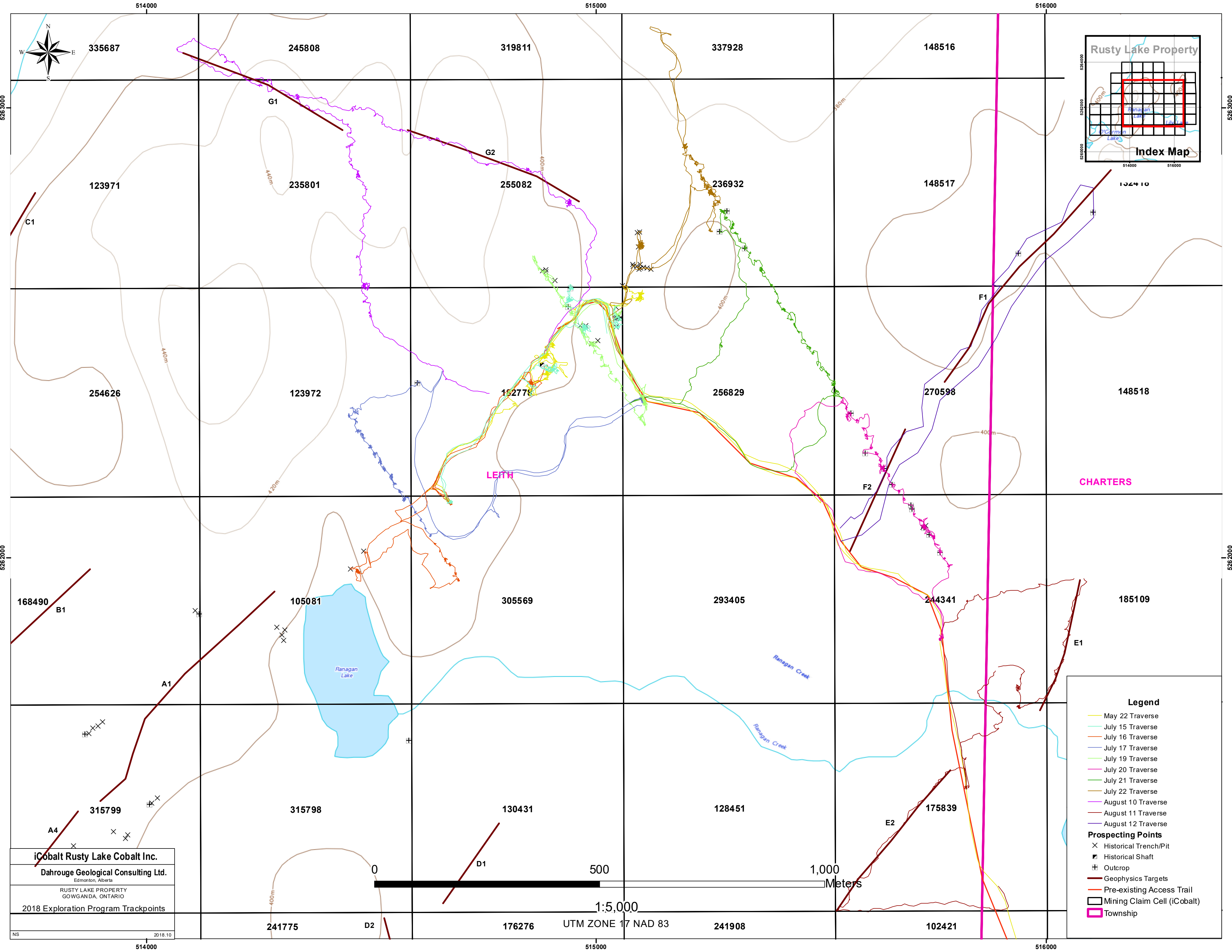
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APPENDIX 1: PROPERTY CLAIM LISTING

APPENDIX 2: DAILY TRACKPOINT FIGURES



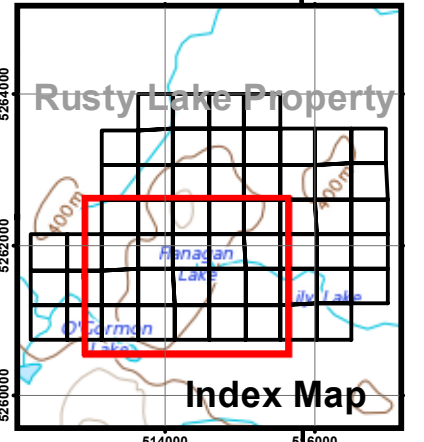
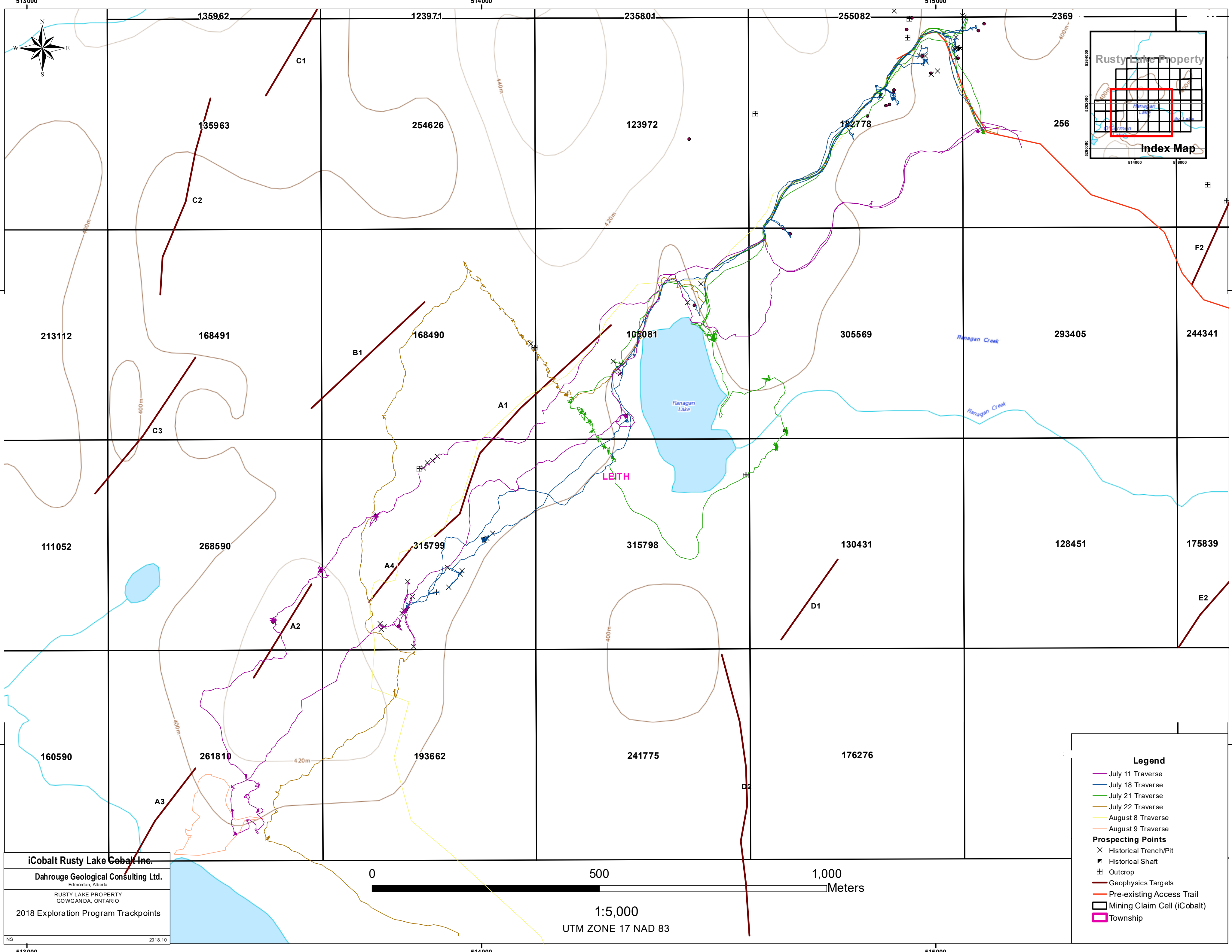
iCobalt Rusty Lake Cobalt Inc.
Dahrouge Geological Consulting Ltd.
 Edmonton, Alberta
 RUSTY LAKE PROPERTY
 GOWGANDA, ONTARIO
 2018 Exploration Program Trackpoints

Legend

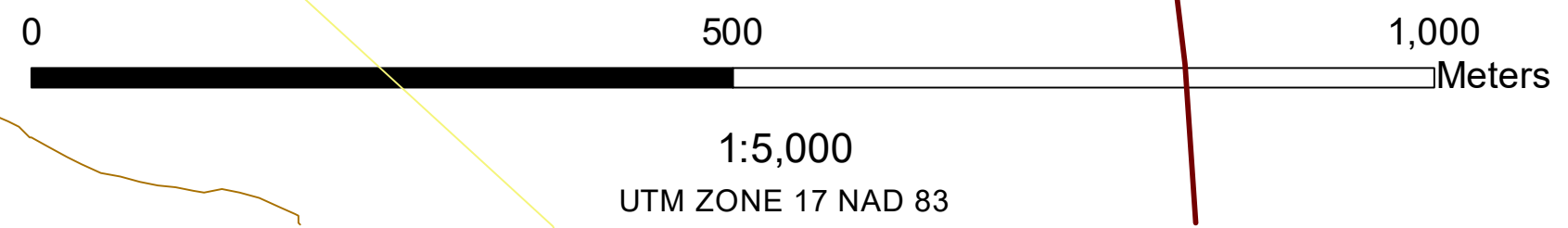
- May 22 Traverse
- July 15 Traverse
- July 16 Traverse
- July 17 Traverse
- July 19 Traverse
- July 20 Traverse
- July 21 Traverse
- July 22 Traverse
- August 10 Traverse
- August 11 Traverse
- August 12 Traverse

Prospecting Points

- × Historical Trench/Pit
- Historical Shaft
- ⊕ Outcrop
- Geophysics Targets
- Pre-existing Access Trail
- ▭ Mining Claim Cell (iCobalt)
- ▭ Township



iCobalt Rusty Lake Cobalt Inc.
Dahrouge Geological Consulting Ltd.
 Edmonton, Alberta
 RUSTY LAKE PROPERTY
 GOWGANDA, ONTARIO
 2018 Exploration Program Trackpoints



Legend

- July 11 Traverse
- July 18 Traverse
- July 21 Traverse
- July 22 Traverse
- August 8 Traverse
- August 9 Traverse

Prospecting Points

- Historical Trench/Pit
- Historical Shaft
- Outcrop
- Geophysics Targets
- Pre-existing Access Trail
- Mining Claim Cell (iCobalt)
- Township

APPENDIX 3: PROSPECTING OBSERVATIONS AND DESCRIPTIONS

Year	Waypoint_ID	Easting	Northing	Zone	Property	Program	Observation_Type	Comments	Recorder	Date
2018	OC END?!	513863	5261607	17T	Rusty Lake	Summer 2018	Outcrop		PS	11-Jul-18
2018	ROAD	513456	5260803	17T	Rusty Lake	Summer 2018	Trail		PS	11-Jul-18
2018	SHAFT	513838	5261298	17T	Rusty Lake	Summer 2018	Historical Shaft		PS	11-Jul-18
2018	TRENCH END	513902	5261634	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	513881	5261621	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	513786	5261260	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	513779	5261253	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	513847	5261326	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	513851	5261215	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	513825	5261288	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH END	514305	5261816	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH JUNCTION	513829	5261295	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH START	513892	5261625	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH START	513872	5261609	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH START	513777	5261266	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH START	513837	5261359	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	TRENCH START	514301	5261827	17T	Rusty Lake	Summer 2018	Historical Trench		PS	11-Jul-18
2018	OC END	514942	5262599	17T	Rusty Lake	Summer 2018	Outcrop		PS	15-Jul-18
2018	OC START	514938	5262557	17T	Rusty Lake	Summer 2018	Outcrop		PS	15-Jul-18
2018	SHAFT	515053	5262532	17T	Rusty Lake	Summer 2018	Historical Shaft		PS	15-Jul-18
2018	TRENCH END	514977	5262515	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH END	515044	5262513	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH END	515055	5262533	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH END	515045	5262556	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH JUNCTION	515044	5262534	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH JUNCTION2	515046	5262533	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH START	514964	5262516	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH START	515041	5262532	17T	Rusty Lake	Summer 2018	Historical Trench		PS	15-Jul-18
2018	TRENCH END	514483	5262014	17T	Rusty Lake	Summer 2018	Historical Trench		PS	16-Jul-18
2018	TRENCH START	514454	5261974	17T	Rusty Lake	Summer 2018	Historical Trench		PS	16-Jul-18
2018	OC	514602	5262388	17T	Rusty Lake	Summer 2018	Outcrop		PS	17-Jul-18
2018	OC	513901	5261336	17T	Rusty Lake	Summer 2018	Outcrop		PS	18-Jul-18
2018	OC	514007	5261451	17T	Rusty Lake	Summer 2018	Outcrop		PS	18-Jul-18
2018	TRENCH END	513926	5261390	17T	Rusty Lake	Summer 2018	Historical Trench		PS	18-Jul-18
2018	TRENCH END	513928	5261346	17T	Rusty Lake	Summer 2018	Historical Trench		PS	18-Jul-18
2018	TRENCH END	514011	5261454	17T	Rusty Lake	Summer 2018	Historical Trench		PS	18-Jul-18
2018	TRENCH JUNCTION	513953	5261376	17T	Rusty Lake	Summer 2018	Historical Trench		PS	18-Jul-18
2018	TRENCH START	513958	5261383	17T	Rusty Lake	Summer 2018	Historical Trench		PS	18-Jul-18
2018	TRENCH START	514024	5261465	17T	Rusty Lake	Summer 2018	Historical Trench		PS	18-Jul-18
2018	TRENCH END	514888	5262639	17T	Rusty Lake	Summer 2018	Historical Trench		PS	19-Jul-18

Year	Waypoint_ID	Easting	Northing	Zone	Property	Program	Observation_Type	Comments	Recorder	Date
2018	TRENCH END	514887	5262634	17T	Rusty Lake	Summer 2018	Historical Trench		PS	19-Jul-18
2018	TRENCH END	515003	5262482	17T	Rusty Lake	Summer 2018	Historical Trench		PS	19-Jul-18
2018	TRENCH START	514880	5262637	17T	Rusty Lake	Summer 2018	Historical Trench		PS	19-Jul-18
2018	TRENCH START	514908	5262615	17T	Rusty Lake	Summer 2018	Historical Trench		PS	19-Jul-18
2018	TRENCH START	514990	5262475	17T	Rusty Lake	Summer 2018	Historical Trench		PS	19-Jul-18
2018	NO SAMPLE	515740	5262050	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	NO SAMPLE OC	515699	5262117	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	NO SAMPLE OC	515729	5262066	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	OC-RL-007	515764	5262011	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	OC-RL-009	515701	5262107	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	OC-RL-010	515658	5262163	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	OC-RL-011	515639	5262197	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	OC-RL-012	515597	5262233	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	OC-RL-013	515566	5262320	17T	Rusty Lake	Summer 2018	Outcrop		PS	20-Jul-18
2018	TRENCH END	515732	5262071	17T	Rusty Lake	Summer 2018	Historical Trench		PS	20-Jul-18
2018	TRENCH START	515726	5262067	17T	Rusty Lake	Summer 2018	Historical Trench		PS	20-Jul-18
2018	OC	515274	5262725	17T	Rusty Lake	Summer 2018	Outcrop		KC	21-Jul-18
2018	OC	515290	5262770	17T	Rusty Lake	Summer 2018	Outcrop		KC	21-Jul-18
2018	OC	515329	5262688	17T	Rusty Lake	Summer 2018	Outcrop		KC	21-Jul-18
2018	END OC RL 013	514582	5261594	17T	Rusty Lake	Summer 2018	Outcrop		PS	21-Jul-18
2018	END WATERLINE	514482	5261918	17T	Rusty Lake	Summer 2018	MISC		PS	21-Jul-18
2018	MAIN SHAFT	514879	5262429	17T	Rusty Lake	Summer 2018	Historical Shaft		PS	21-Jul-18
2018	OLD LANDFILL	514509	5261892	17T	Rusty Lake	Summer 2018	MISC		PS	21-Jul-18
2018	START WATERLINE	515067	5262598	17T	Rusty Lake	Summer 2018	MISC		PS	21-Jul-18
2018	TREE STRUCK LIGHTNING	514631	5261816	17T	Rusty Lake	Summer 2018	MISC		PS	21-Jul-18
2018	TRENCH END	514289	5261844	17T	Rusty Lake	Summer 2018	Historical Trench		PS	21-Jul-18
2018	TRENCH START	514308	5261838	17T	Rusty Lake	Summer 2018	Historical Trench		PS	21-Jul-18
2018	OC	514117	5261875	17T	Rusty Lake	Summer 2018	Outcrop		KC	22-Jul-18
2018	TRENCH	514108	5261881	17T	Rusty Lake	Summer 2018	Historical Trench		KC	22-Jul-18
2018	MAIN LOGGING ROAD	515144	5263160	17T	Rusty Lake	Summer 2018	Trail		PS	22-Jul-18
2018	PIT AVG	515098	5262694	17T	Rusty Lake	Summer 2018	Historical Pit		PS	22-Jul-18
2018	TRENCH END	515062	5262601	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515081	5262651	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515093	5262690	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515096	5262723	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515097	5262651	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515090	5262647	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515098	5262643	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH END	515112	5262644	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH START	515058	5262605	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18

Year	Waypoint_ID	Easting	Northing	Zone	Property	Program	Observation_Type	Comments	Recorder	Date
2018	TRENCH START	515083	5262647	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH START	515091	5262722	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH START	515095	5262641	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH START	515105	5262645	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	TRENCH START	515122	5262641	17T	Rusty Lake	Summer 2018	Historical Trench		PS	22-Jul-18
2018	JOINT12	516105	5262768	17T	Rusty Lake	Summer 2018	Outcrop		JM	12-Aug-18
2018	OC12	515938	5262677	17T	Rusty Lake	Summer 2018	Outcrop		JM	12-Aug-18

APPENDIX 4: 2018 ROCK SAMPLE DESCRIPTIONS

Sample ID	Easting	Northing	Zone	Property	Program	Sample Source	Sample Type	Rock Type	Description	Sampler	Date
125351	514849	5262384	17	Rusty Lake	Site Visit	Tailings	Grab	Calcite w/ minor diabase	semi-massive, w: reddish brown to blackish brown, f-m.g., ~ 10% smaltite, 10% Erythrite, associated black coating (absolane?)	AM	22-May-18
125352	514890	5262406	17	Rusty Lake	Site Visit	Tailings	Grab	Calcite w/ minor diabase	semi-massive to massive, f-m.g., ~ 40% smaltite, 40% Erythrite	AM	22-May-18
125353	514890	5262406	17	Rusty Lake	Site Visit	Tailings	Grab	calcite	semi-massive, w: reddish brown, ~ 10% Erythrite, 5% smaltite	AM	22-May-18
125354	514907	5262435	17	Rusty Lake	Site Visit	Tailings	Grab	Diabase	semi-massive to massive, f: med to dark grey, ~ 15% smaltite, 10% Erythrite, 5% Cu	AM	22-May-18
125355	514908	5262441	17	Rusty Lake	Site Visit	Tailings	Grab	Diabase	semi-disseminated to semi-massive, f: med to dark grey, m.g., ~ 10% bornite (peacock),	AM	22-May-18
125356	514665	5262136	17	Rusty Lake	Site Visit	Tailings	Grab	Calcite	semi-massive, f: med to dark grey to pink (bloom), m.g., 20% erythrite, ~10% asbolane?	AM	22-May-18
125357	515094	5262571	17	Rusty Lake	Site Visit	Tailings	Grab	Calcite	massive, w: dark brown, f: light reddish brown, ~ 15% niccolite, v. dense	AM	22-May-18
125358	515106	5262587	17	Rusty Lake	Site Visit	Tailings	Grab	Diabase	semi-disseminated to semi-massive, f-m.g., trace bornite (peacock)	AM	22-May-18
125551	514318	5261725	17	Rusty Lake	Summer	Outcrop	Chip	Diabase	c.g., intensely weathered surface penetrating ~30 cm into the outcrop with abundant vugs and limonite staining and intersections of residual coarse grained quartz + fsp (albite?). Vugs are often filled with limonite and metallic staining is abundant	PS/KC	11-Jul-18
125552	513835	5261296	17	Rusty Lake	Summer	Outcrop	Chip	Diabase	dark brown, m.g. no visible mineralization, 5-10% magnetite, at historic shaft	PS/KC	11-Jul-18
125553	513818	5261261	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	dark brown, m.g., low magnetivity, minor sulphides	PS/KC	11-Jul-18
125554	513542	5261270	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	m.g. to c.g., 15% magnetite, no visible sulphide	PS/KC	11-Jul-18
125555	513646	5261383	17	Rusty Lake	Summer	Outcrop	Chip	Diabase	m.g., no visible sulphides, minor fractures with limonite staining	PS/KC	11-Jul-18
125556	513767	5261503	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	m.g. to c.g., 15% magnetite, some aplitic patches	PS/KC	11-Jul-18
125557	515049	5262511	17	Rusty Lake	Summer	Boulder	Grab	Diabase	c.g., some sulphides (1%), abundant cobalt bloom on weathered surface and on fresh surface	PS/KC	15-Jul-18
125558	514936	5262574	17	Rusty Lake	Summer	Outcrop	Chip	Diabase	m.g., deeply altered, fresh surface is brown, little sulphides, 15% magnetite	PS/KC	15-Jul-18
125559	514947	5262599	17	Rusty Lake	Summer	Outcrop	Chip	Diabase	m.g., 30-40 % magnetite, Same OC but less rusty than 125658, minor sulphides	PS/KC	15-Jul-18
125560	514971	5262516	17	Rusty Lake	Summer	Outcrop	Grab	Diabase/Aplite	m.g. to c.g., some sulphides, kfsp locally dominant fsp	PS/KC	15-Jul-18
125561	514679	5262124	17	Rusty Lake	Summer	Boulder	Grab	Calcite (vein)	calcite vein with 2-3 cm vein of white sulphides (Arsenopyrite or Cobaltite)	PS	15-Jul-18
125562	514469	5261967	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	m.g. to c.g., deeply altered, more than 30 cm rusty and easy to break, some patches or pools of amphiboles maybe epidote, weak to mod magnetic	PS	16-Jul-18
125563	514898	5262409	17	Rusty Lake	Summer	Boulder	Grab	Aplite	m.g., aplite, 1-2cm cobaltite vein cutting, not visible on altered surface	PS	16-Jul-18
125564	514457	5262333	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	m.g., not much altered, minor sulphides	PS	17-Jul-18
125565	514005	5261453	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	m.g., amph, fsp, px, magnetite	PS	18-Jul-18
125566	514989	5262477	17	Rusty Lake	Summer	Boulder	Grab	Aplite	c.g., from old trench, no visible calcite or sulphide mineralization, fsp, amph	PS	19-Jul-18
125567	515750	5262043	17	Rusty Lake	Summer	Outcrop	Chip		grey, f.g., dense, 20% sulphide rich pods, rusty alteration	PS	20-Jul-18
125568	515728	5262073	17	Rusty Lake	Summer	Outcrop	Grab	Breccia	strongly altered and fractured rock in old trench, alteration zone is vertical, chlorite, calcite, host rock seems bleached	PS	20-Jul-18
125569	514667	5261692	17	Rusty Lake	Summer	Outcrop	Grab		f.g., very felsic, 20% mafic minerals, no visible sulphides	PS	21-Jul-18
125570	515256	5262812	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	grey, f.g., not much visible fsp, trace magnetite, minor sulphides	PS	22-Jul-18
125571	515260	5262784	17	Rusty Lake	Summer	Outcrop	Grab	Diabase	m.g., salt and pepper, minor magnetite, trace sulphides	PS	22-Jul-18
125572	515098	5262694	17	Rusty Lake	Summer	Outcrop	Grab		c.g., calcite vein pink, no sulphides, some brown siderite??	PS	22-Jul-18
125573	515098	5262694	17	Rusty Lake	Summer	Outcrop	Grab	Diabase/Aplite	sulphide vein and dis sulphides (chalcopyrite and pyrite)	PS	22-Jul-18
125574	515098	5262694	17	Rusty Lake	Summer	Outcrop	Grab	Aplite	dis sulphides (chalcopyrite and pyrite)	PS	22-Jul-18
125575	513350	5260782	17	Rusty Lake	August	Outcrop	Grab	Diabase	Fine grained diabase moderate weathering and fracturing. Outcrop contains local red Fe staining, trace concentrations of pyrite that is unevenly distributed throughout the outcrop	HL/JM	9-Aug-18
125576	513355	5260798	17	Rusty Lake	August	Boulder	Grab	Diabase	Heavily weathered fine grained diabase with visible cobalt bloom and minor pyrite collected adjacent to historic trench	HL/JM	9-Aug-18
125577	513352	5260803	17	Rusty Lake	August	Outcrop	Grab	Diabase	Fine grained diabase with a slight sugary texture that is moderately fractured and heavily weathered and hosts minor chalcopyrite/pyrite stringers	HL/JM	9-Aug-18
125578	513382	5260912	17	Rusty Lake	August	Outcrop	Grab	Diabase	Coarse grained weathered rounded diabase and moderate fractures. Minute sulphides, Fe-staining. Pyroxene grains up to 2 cm. 45% pyx, 25% qtz, 25% fsp	HL/JM	9-Aug-18
125579	514482	5262610	17	Rusty Lake	August	Outcrop	Grab	Diabase	Medium grained moderately weathered/fractured grey diabase with trace arsenopyrite/pyrite. Grey to black on fresh surface. 50% pyx, 50% fsp	HL/JM	10-Aug-18
125580	514471	5262851	17	Rusty Lake	August	Outcrop	Grab	Diabase	Medium grained moderately weathered/fractured grey diabase with trace cobaltite/arsenopyrite. Dark grey on fresh surface. 70% cpx, 30% fsp (slightly phenocrystic)	HL/JM	10-Aug-18
125581	514334	5263029	17	Rusty Lake	August	Outcrop	Grab	Diabase	Quartz vein crosscutting outcrop displaced by fracturing. Outcrop is medium to coarse grained and weakly weathered with trace arsenopyrite/ pyrite. 50% cpx, 50% fsp	HL/JM	10-Aug-18

Sample ID	Easting	Northing	Zone	Property	Program	Sample Source	Sample Type	Rock Type	Description	Sampler	Date
125582	514849	5262864	17	Rusty Lake	August	Outcrop	Grab	Diabase	Medium grained diabase that is moderately weathered and heavily fractured and locally moderate-staining and trace arsenopyrite/pyrite. 20% red fsp, 80% cpx	HL/JM	10-Aug-18
125583	515939	5261707	17	Rusty Lake	August	Outcrop	Grab	Diabase	Medium to coarse grained moderately fractured heavily weathered diabase with blebs of pyrite. 80% cpx, 15% fsp	HL/JM	11-Aug-18
125584	515938	5261670	17	Rusty Lake	August	Tailings	Grab	Diabase	Medium to coarse grained diabase collected from a muck pile adjacent to a historic shaft with crosscut by calcite veins <1 to 4 cm in size; blebs of pyrite and visible cobalt bloom	HL/JM	11-Aug-18
125585	515938	5261668	17	Rusty Lake	August	Tailings	Grab	Diabase	Medium to coarse grained diabase, calcite veins up to 5 cm and chalcopyrite associated with local blebs and veins. Cpx, fsp, quartz	HL/JM	11-Aug-18
125586	515612	5262139	17	Rusty Lake	August	Outcrop	Grab	Diabase	3 cm wide and 3 m long calcite/quartz vein intersected within fine grained diabase. Red feldspar phenocrysts and blebs of arsenopyrite/malachite/chalcopyrite	HL/JM	12-Aug-18
125587	515650	5262231	17	Rusty Lake	August	Outcrop	Grab	Diabase	Heavily weathered and highly fractured diabase covered with regularly spaced rust spots/pot marks. Calcite vein with trace sulphides; fine grained aplite	HL/JM	12-Aug-18

APPENDIX 5: 2018 ROCK SAMPLE ANALYTICAL CERTIFICATES



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 Account: DAHGEO

CERTIFICATE SD18124411

Project: Rusty

This report is for 8 Rock samples submitted to our lab in Sudbury, ON, Canada on 26-MAY-2018.

The following have access to data associated with this certificate:

CHERIE LEEDEN	ANNA MULLAN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-21	Crush entire sample >70% -6 mm
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Co-OG62	Ore Grade Co - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	ICP-AES
Ni-OG62	Ore Grade Ni - Four Acid	ICP-AES
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM

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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS SD18124411

Sample Description	Method Analyte Units LOD	WEI-21	CRU-QC	PUL-QC	PGM-ICP23	PGM-ICP23	PGM-ICP23	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Pass2mm %	Pass75um %	Au ppm	Pt ppm	Pd ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm
		0.02	0.01	0.01	0.001	0.005	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01
125351		0.90	74.5	89.8	0.097	<0.005	0.009	2.05	5.80	>10000	30	1.04	188.5	6.88	0.03	98.7
125352		0.65		95.0	0.510	<0.005	0.001	3.21	2.73	>10000	10	0.69	1530	10.65	0.02	83.3
125353		1.40			0.178	<0.005	0.002	2.37	4.51	>10000	10	0.67	850	2.64	<0.02	39.7
125354		0.50			0.078	<0.005	0.004	>100	2.01	>10000	<10	0.79	632	6.37	0.19	51.0
125355		0.34			0.014	<0.005	0.001	>100	5.98	934	20	3.84	91.6	5.98	0.11	84.1
125356		0.96			0.088	<0.005	<0.001	>100	3.66	>10000	10	0.52	33.8	11.95	0.05	45.6
125357		0.62			0.014	<0.005	<0.001	3.26	2.00	>10000	10	0.56	1410	6.68	0.02	65.8
125358		0.75			0.002	<0.005	<0.001	0.28	5.89	298	30	1.69	5.90	1.38	0.02	81.7



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CERTIFICATE OF ANALYSIS SD18124411

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	
		Co ppm 0.1	Cr ppm 1	Cs ppm 0.05	Cu ppm 0.2	Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05
125351		>10000	4	0.08	51.0	2.92	15.00	0.20	14.1	0.219	1.21	45.5	12.0	0.95	1300	39.3
125352		>10000	2	0.07	286	1.92	8.48	0.29	6.6	0.263	0.31	37.7	8.5	0.45	1680	23.5
125353		>10000	12	0.07	200	1.86	12.30	0.13	8.2	0.136	0.21	17.4	7.3	0.19	589	25.2
125354		>10000	1	0.16	3460	5.22	7.35	0.22	2.1	0.395	0.05	22.3	13.7	0.58	1390	2.34
125355		272	6	0.73	>10000	8.14	38.8	0.23	4.2	0.999	0.22	25.2	38.4	1.42	2150	0.80
125356		8570	8	0.22	62.0	1.79	11.35	0.07	6.4	0.247	0.10	19.7	18.7	0.73	1230	54.0
125357		6610	2	0.07	31.2	2.77	7.14	0.52	2.5	0.535	0.38	27.5	9.7	2.38	5170	7.17
125358		33.8	9	0.21	1215	5.55	20.7	0.16	8.0	0.102	0.70	34.5	18.9	0.82	401	0.98



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Project: Rusty

CERTIFICATE OF ANALYSIS SD18124411

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	
		Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.01	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05
125351		3.75	3.4	4160	300	11.4	6.2	0.003	1.59	32.6	12.9	4	0.3	51.7	0.42	0.10
125352		1.78	2.3	>10000	370	6.7	2.3	0.008	2.39	447	10.0	19	0.4	46.9	0.25	0.29
125353		3.73	4.0	3210	140	6.0	1.7	0.004	0.74	776	4.0	4	0.5	32.4	0.46	0.09
125354		1.12	1.7	>10000	800	1.4	0.8	<0.002	0.66	2030	14.2	1	0.5	32.0	<0.05	0.05
125355		3.19	15.0	67.8	40	7.8	3.8	0.003	2.73	64.9	18.0	8	4.7	52.5	0.64	0.19
125356		2.49	5.5	1060	150	17.1	1.4	0.004	0.55	18.90	28.0	3	0.8	45.4	0.54	0.07
125357		1.18	2.6	>10000	360	14.0	2.5	0.002	0.36	3530	11.3	6	0.6	37.3	0.18	<0.05
125358		3.21	11.1	196.5	580	5.7	10.8	<0.002	0.15	4.18	10.7	1	0.8	20.2	0.80	<0.05



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Project: Rusty

CERTIFICATE OF ANALYSIS SD18124411

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Co-OG62	Cu-OG62	Ni-OG62	Ag-GRA21
		Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Co %	Cu %	Ni %	Ag ppm
		0.01	0.005	0.02	0.1	1	0.1	0.1	2	0.5	1	0.0005	0.001	0.001	5
125351		24.2	0.130	0.11	57.9	37	0.3	67.5	4	485		2.67			
125352		8.20	0.088	0.07	35.6	29	0.2	43.5	4	240		6.90		2.67	
125353		9.42	0.137	0.03	20.0	21	0.3	21.1	3	285		5.63			
125354		2.70	0.184	0.02	12.6	15	0.2	31.3	34	70.0	>1500	8.86		2.28	>10000
125355		5.52	0.872	0.03	5.5	109	0.2	80.2	71	145.5	226		3.21		
125356		7.14	0.261	0.20	19.4	55	0.4	34.9	13	240	92				
125357		2.70	0.108	0.02	3.7	44	0.1	42.2	8	86.5				18.65	
125358		10.25	0.336	0.07	3.0	1	0.3	40.6	27	302					



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CERTIFICATE OF ANALYSIS SD18124411

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

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

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

Ag-GRA21	Ag-OG62	Co-OG62	Cu-OG62
ME-MS61	ME-OG62	Ni-OG62	PGM-ICP23



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CERTIFICATE SD18179574

Project: Rusty Lake
 P.O. No.: 18060
 This report is for 24 Rock samples submitted to our lab in Sudbury, ON, Canada on 25-JUL-2018.
 The following have access to data associated with this certificate:
 CHERIE LEEDEN HENRY LOLE

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-21	Crush entire sample >70% -6 mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Co-OG62	Ore Grade Co - Four Acid	
Ni-OG62	Ore Grade Ni - Four Acid	
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179574

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
125551		0.78	3.90	6.75	170.5	50	1.67	2.57	0.36	0.25	79.3	62.7	10	1.06	196.5	3.40
125552		0.56	0.38	6.23	30.9	290	2.03	0.08	5.25	2.90	81.9	24.9	4	2.25	42.2	8.57
125553		0.59	0.36	7.17	277	60	2.25	0.45	2.45	0.33	72.6	220	3	0.54	49.4	7.05
125554		0.52	0.35	6.37	8.4	370	0.92	0.23	4.64	0.24	35.4	50.1	1	1.15	118.0	12.80
125555		0.44	0.04	7.55	2.0	130	0.49	0.04	7.40	0.13	13.50	52.9	99	1.16	101.5	7.52
125556		0.72	0.11	7.23	4.2	240	1.04	0.06	4.57	0.15	35.0	45.5	4	0.77	30.1	10.05
125557		1.16	2.40	6.89	2430	20	3.37	5.54	5.22	0.05	37.3	2000	8	0.86	390	6.19
125558		1.14	0.23	6.19	29.3	210	1.80	0.07	2.13	0.40	72.3	35.1	3	3.97	9.4	10.40
125559		1.07	0.23	6.20	11.7	270	1.30	0.04	3.31	0.30	50.7	44.1	4	4.09	16.3	12.40
125560		1.12	0.56	6.22	13.8	20	1.46	0.48	2.52	<0.02	74.3	30.8	14	0.14	1555	3.70
125561		0.62	4.92	0.76	>10000	<10	0.48	2270	31.7	0.11	58.6	8530	1	0.07	28.8	1.03
125562		0.94	0.26	6.33	38.7	400	1.52	2.80	1.46	0.42	72.9	17.3	3	5.43	7.9	7.86
125563		0.82	4.65	5.31	>10000	20	0.95	626	8.94	0.02	117.5	>10000	1	0.11	68.2	3.28
125564		1.05	0.23	7.25	234	300	0.70	1.73	5.00	0.14	21.7	93.9	12	0.87	182.5	8.68
125565		0.71	0.23	7.01	135.0	500	1.79	1.30	2.17	0.98	57.1	47.7	33	1.32	8.7	7.42
125566		0.84	0.33	6.96	519	20	0.99	1.01	3.71	0.03	115.0	380	11	0.19	4.8	3.07
125567		1.09	0.02	7.83	26.0	560	1.85	0.42	0.46	0.05	71.6	36.7	101	0.66	22.3	4.17
125568		1.19	0.05	7.42	7.7	50	1.25	0.31	3.39	0.02	172.0	13.2	82	0.23	20.4	4.16
125569		0.67	0.01	5.53	9.2	10	0.48	0.36	0.11	<0.02	3.13	4.6	37	0.09	4.0	0.76
125570		0.71	0.06	7.20	4.1	130	0.41	0.11	7.03	0.17	13.75	63.5	78	1.92	125.5	8.33
125571		0.98	0.10	7.60	9.1	230	0.65	0.44	6.37	0.16	26.6	49.7	104	1.13	106.5	8.30
125572		0.88	0.03	0.04	2.9	10	0.53	0.09	21.3	<0.02	17.25	2.1	1	<0.05	75.9	3.17
125573		0.59	0.09	6.02	14.8	60	1.30	0.65	4.86	<0.02	59.0	7.0	8	0.23	5720	3.07
125574		0.79	0.04	6.07	5.4	40	0.75	0.19	1.83	<0.02	108.0	7.5	20	0.20	2310	2.65



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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179574

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	
	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
125551		26.9	0.20	9.3	0.172	0.25	38.4	20.9	0.64	670	1.79	4.62	11.1	18.0	860	80.7
125552		23.3	0.16	5.3	0.374	0.65	38.2	11.3	1.11	1860	1.17	4.17	10.3	3.5	2900	247
125553		30.9	0.20	6.3	0.123	0.21	30.0	42.6	1.44	844	2.19	4.12	10.3	39.0	3520	40.1
125554		22.8	0.16	3.5	0.108	1.42	17.1	25.2	1.89	1890	1.30	2.10	6.1	17.8	620	16.2
125555		16.05	0.12	1.5	0.049	0.72	6.0	19.7	4.59	1400	0.42	1.56	2.6	156.0	320	4.1
125556		22.7	0.15	3.2	0.095	1.11	16.2	17.9	2.09	1500	0.60	2.84	5.4	31.2	600	12.1
125557		26.4	0.16	5.0	0.293	0.17	16.4	79.3	1.70	1420	1.62	3.48	7.3	73.9	890	6.1
125558		24.3	0.21	6.8	0.121	0.81	32.4	12.0	0.79	1600	0.88	3.72	12.0	1.3	1970	54.1
125559		23.9	0.17	4.9	0.116	1.19	24.5	13.5	1.02	1930	1.03	2.78	8.5	1.2	1000	28.1
125560		28.0	0.26	9.6	0.198	0.18	32.3	20.1	0.82	636	1.35	4.12	11.6	6.7	600	95.1
125561		2.46	0.15	1.7	0.886	0.03	24.8	6.9	0.33	2650	7.22	0.39	0.8	1155	<10	9.3
125562		24.9	0.16	8.5	0.123	1.63	28.5	6.0	0.32	1420	0.84	3.79	13.8	1.3	870	108.5
125563		18.80	0.24	6.2	0.322	0.73	52.8	10.7	1.61	2080	5.56	3.60	6.9	>10000	1170	4.6
125564		19.95	0.12	2.4	0.070	1.51	9.4	28.5	2.60	1630	0.85	2.20	4.5	66.5	450	13.8
125565		24.2	0.21	4.7	0.146	1.66	25.4	11.0	0.72	1750	0.97	3.71	11.0	23.7	1210	80.0
125566		25.0	0.27	7.8	0.218	0.16	48.6	25.2	1.33	2920	1.55	5.03	9.1	48.1	1520	3.8
125567		23.9	0.25	3.3	0.029	1.26	33.8	46.2	2.41	313	1.81	3.40	7.3	67.6	760	16.8
125568		27.0	0.35	2.7	0.396	0.89	81.3	23.0	2.74	5220	0.42	4.52	5.9	53.5	740	4.2
125569		11.50	0.16	1.4	0.019	0.14	1.4	4.6	0.29	105	1.08	4.82	1.8	8.6	280	0.9
125570		15.50	0.20	1.5	0.056	0.69	6.3	34.1	5.82	1370	0.42	1.33	2.5	230	280	4.3
125571		18.60	0.16	2.3	0.065	1.53	12.0	26.2	3.89	1390	0.63	1.87	4.2	103.5	420	10.0
125572		0.46	0.10	0.1	1.110	0.01	8.5	1.1	11.25	8630	0.45	0.03	<0.1	2.2	30	1.7
125573		23.4	0.14	7.3	0.277	0.82	26.0	12.7	0.85	1240	0.94	3.74	14.2	6.8	980	4.7
125574		18.50	0.24	8.1	0.112	1.15	46.2	14.8	0.50	588	1.56	3.92	9.3	8.4	830	1.7



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CERTIFICATE OF ANALYSIS SD18179574

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
125551		15.3	<0.002	0.01	1.11	11.0	1	0.9	26.9	0.89	<0.05	12.80	0.400	0.03	4.1	1
125552		22.4	<0.002	0.08	0.76	30.7	1	2.1	109.0	0.74	<0.05	6.81	0.959	0.09	2.1	4
125553		6.2	<0.002	0.02	0.49	27.4	1	2.3	54.1	0.71	<0.05	7.81	0.928	0.04	4.5	30
125554		92.2	0.002	0.07	0.68	40.9	1	2.5	160.0	0.44	<0.05	3.79	1.175	0.26	1.1	541
125555		25.7	<0.002	0.07	0.14	30.2	<1	0.6	191.0	0.18	<0.05	1.34	0.454	0.18	0.5	222
125556		60.6	<0.002	0.09	0.21	34.7	1	1.1	190.5	0.38	<0.05	3.57	0.773	0.28	1.2	297
125557		6.3	0.002	0.11	11.40	35.8	1	1.0	38.5	0.55	<0.05	6.34	0.898	0.04	2.1	388
125558		42.0	<0.002	0.03	0.56	23.1	1	1.1	87.2	0.86	<0.05	7.66	0.718	0.17	2.1	3
125559		59.6	<0.002	0.06	0.50	31.2	1	1.8	155.5	0.60	<0.05	5.67	0.972	0.30	1.8	24
125560		1.8	<0.002	0.38	0.29	10.8	1	2.3	21.5	0.89	<0.05	11.15	0.336	0.02	5.1	1
125561		0.4	0.003	0.42	14.95	52.6	2	<0.2	67.5	0.14	<0.05	2.69	0.018	0.08	2.4	17
125562		41.6	<0.002	0.01	0.46	14.9	1	0.9	68.3	1.02	<0.05	10.30	0.500	0.18	2.9	<1
125563		5.5	0.006	1.15	249	16.8	5	1.5	49.2	0.62	<0.05	8.17	0.493	0.03	13.0	68
125564		46.1	<0.002	0.11	1.32	27.9	1	1.3	217	0.31	<0.05	2.28	0.650	0.42	0.9	255
125565		48.3	<0.002	0.03	0.51	16.9	1	1.3	151.0	0.86	<0.05	8.86	0.524	0.18	3.0	34
125566		1.4	<0.002	0.02	1.16	14.8	1	1.7	31.5	0.72	<0.05	9.29	0.507	0.02	4.8	56
125567		31.2	<0.002	0.09	0.35	13.6	1	1.7	93.2	0.65	<0.05	10.75	0.282	0.13	4.8	99
125568		12.4	<0.002	0.02	0.16	23.8	<1	1.2	39.7	0.55	<0.05	9.67	0.233	0.04	4.0	139
125569		1.4	<0.002	<0.01	0.06	2.3	<1	<0.2	14.8	0.15	<0.05	4.01	0.067	<0.02	0.6	25
125570		34.1	<0.002	0.07	0.24	35.2	1	0.8	161.0	0.17	<0.05	1.48	0.444	0.28	0.5	223
125571		70.8	<0.002	0.08	0.38	35.9	1	1.3	199.5	0.30	<0.05	2.79	0.580	0.37	0.9	251
125572		0.5	<0.002	<0.01	0.08	51.6	1	<0.2	48.6	<0.05	<0.05	0.05	<0.005	<0.02	0.4	39
125573		21.6	<0.002	0.53	0.37	17.4	2	1.0	50.2	0.96	<0.05	9.07	0.455	0.07	2.6	8
125574		16.2	<0.002	0.26	0.34	7.9	<1	1.1	19.8	0.67	<0.05	9.88	0.356	0.08	2.8	27



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CERTIFICATE OF ANALYSIS SD18179574

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
125551		0.3	45.2	151	336			88.1	95.9
125552		0.6	54.8	935	199.5				98.3
125553		0.6	51.5	146	238				
125554		1.2	29.2	158	131.5				
125555		0.2	12.9	87	55.9				
125556		0.4	27.8	103	121.5				
125557		0.6	34.2	52	191.0				93.8
125558		0.4	47.9	171	252				99.3
125559		0.5	37.6	162	189.5				
125560		0.9	50.3	22	354				
125561		0.1	85.4	29	60.3				
125562		0.4	45.4	140	313				
125563		0.4	42.9	<2	226	2.73	1.020		
125564		0.6	17.2	100	90.3				
125565		0.3	40.8	386	164.0				
125566		1.5	37.7	15	294				
125567		1.8	16.8	39	125.5				
125568		0.5	21.4	24	97.9				
125569		0.1	1.8	4	50.5				
125570		0.3	14.7	98	58.2				
125571		0.6	20.1	108	92.0				
125572		<0.1	40.3	7	1.1				
125573		0.8	37.6	11	275				
125574		0.6	27.1	9	303				



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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179574

	CERTIFICATE COMMENTS								
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>REE's may not be totally soluble in this method. ME-MS61</p>								
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</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-21</td> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 15%;">LOG-22</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> </table>	CRU-21	CRU-31	CRU-QC	LOG-22	PUL-31	PUL-QC	SPL-21	WEI-21
CRU-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.</p> <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: 15%;">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 SD18198746

Project: Rusty Lake Project
 P.O. No.: 18065
 This report is for 13 Rock samples submitted to our lab in Sudbury, ON, Canada on 14-AUG-2018.
 The following have access to data associated with this certificate:

CHERIE LEEDEN	HENRY LOLE	
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
125575		0.63	0.25	6.16	7.4	130	0.49	0.42	5.65	0.14	14.00	55.4	7	1.39	68.8	12.80
125576		0.80	0.18	7.53	1020	40	1.55	1.12	2.29	<0.02	12.90	728	7	0.54	36.5	5.50
125577		0.67	0.11	7.40	7.3	80	0.64	0.19	4.88	0.04	7.26	46.8	6	0.52	107.0	9.23
125578		1.21	0.09	7.23	4.3	200	0.58	0.07	6.31	0.16	18.15	50.9	21	1.45	133.5	8.96
125579		0.78	0.20	7.58	7.3	210	0.72	0.08	5.27	0.25	25.3	50.4	11	0.59	188.0	9.55
125580		0.68	0.10	7.11	2.5	190	0.70	0.10	5.89	0.13	24.4	53.5	14	0.95	152.0	10.00
125581		0.75	0.10	7.60	3.7	190	0.64	0.10	6.67	0.12	22.2	48.3	20	1.31	140.5	8.93
125582		1.03	0.11	8.01	3.1	220	0.72	0.05	5.50	0.08	24.6	48.4	11	2.03	163.5	9.31
125583		1.09	0.44	5.80	9.9	290	1.49	0.06	1.90	0.32	53.8	38.7	6	2.06	89.8	10.50
125584		1.06	15.80	5.06	682	220	2.46	11.85	6.23	0.16	50.6	423	8	1.57	531	7.81
125585		1.44	1.20	5.96	96.5	280	2.14	1.70	3.37	0.21	65.3	68.6	7	1.74	246	8.00
125586		0.73	0.02	7.53	2.3	360	1.91	0.07	0.40	0.02	74.9	16.7	91	0.42	8.4	3.26
125587		0.65	0.01	7.29	1.1	20	0.74	0.03	0.27	0.03	60.9	4.4	63	0.22	2.5	1.91

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CERTIFICATE OF ANALYSIS SD18198746

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 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
125575		21.5	<0.05	2.0	0.350	0.69	5.4	28.9	2.44	2490	0.66	1.90	3.1	9.9	420	17.2
125576		17.55	0.06	1.4	0.142	0.25	5.9	78.6	2.04	1120	2.24	4.17	2.3	109.0	310	28.7
125577		18.65	0.05	0.8	0.306	0.36	3.0	45.3	3.23	1900	0.19	3.28	1.6	39.5	210	9.6
125578		18.00	0.06	1.9	0.066	1.23	8.2	37.9	3.52	1470	0.38	2.22	3.1	66.3	340	9.7
125579		20.0	0.07	2.4	0.075	1.37	11.8	23.0	2.89	1420	0.70	2.23	4.3	56.3	470	14.5
125580		20.2	0.07	2.4	0.075	0.88	10.9	18.6	2.86	1590	0.64	1.97	4.2	47.9	430	6.4
125581		19.30	0.06	2.2	0.072	0.80	9.8	21.8	3.23	1580	0.49	2.02	3.8	70.1	460	7.6
125582		21.7	0.06	2.4	0.075	1.28	11.2	32.1	2.49	1280	0.53	2.31	4.2	44.1	460	7.9
125583		22.5	0.10	4.9	0.133	1.46	26.3	11.8	1.25	2160	1.45	2.92	8.6	4.6	890	38.5
125584		20.9	0.09	4.8	0.303	0.57	23.1	26.9	1.20	1930	12.70	2.60	8.1	75.2	790	87.0
125585		23.2	0.10	6.4	0.198	0.91	31.0	16.9	0.87	1340	2.54	3.46	12.1	8.8	1130	85.6
125586		22.9	0.12	3.6	0.016	1.28	37.7	32.0	1.83	277	1.23	3.67	8.4	49.5	630	8.8
125587		18.20	0.10	4.2	0.016	0.24	29.6	10.8	0.69	531	0.86	5.46	4.8	28.5	590	2.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
125575		33.9	0.005	0.26	0.60	56.3	1	2.0	125.0	0.20	0.17	0.37	1.220	0.20	0.2	554
125576		10.2	<0.002	0.05	0.83	44.7	<1	1.1	46.5	0.15	<0.05	0.30	0.654	0.05	0.4	361
125577		10.1	<0.002	0.01	1.06	52.6	1	1.0	242	0.10	<0.05	0.17	0.496	0.06	0.1	324
125578		63.2	0.002	0.09	0.36	38.4	1	0.8	167.5	0.23	<0.05	2.01	0.568	0.33	0.6	267
125579		65.4	0.002	0.10	0.36	36.3	1	1.1	188.0	0.31	<0.05	2.69	0.657	0.28	0.8	272
125580		45.0	0.002	0.09	0.26	37.7	<1	1.0	199.5	0.30	<0.05	2.50	0.655	0.24	0.8	287
125581		43.8	<0.002	0.07	0.30	37.1	1	1.0	190.0	0.27	<0.05	2.32	0.609	0.27	0.7	265
125582		67.8	0.002	0.10	0.21	33.1	1	0.9	241	0.30	<0.05	2.55	0.639	0.37	0.8	253
125583		57.3	<0.002	0.15	0.54	30.6	2	4.2	114.0	0.63	<0.05	5.67	0.849	0.21	1.7	147
125584		26.3	0.002	0.11	4.05	22.8	1	2.6	88.5	0.60	<0.05	5.44	0.737	0.11	2.4	44
125585		41.1	<0.002	0.10	1.00	23.5	1	2.6	110.5	0.80	<0.05	7.26	0.743	0.15	2.4	23
125586		47.3	<0.002	0.03	0.29	12.5	1	1.5	121.0	0.73	<0.05	11.45	0.302	0.14	3.7	87
125587		11.5	<0.002	0.01	0.13	8.3	<1	1.2	22.1	0.47	<0.05	8.29	0.190	0.04	2.4	66



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CERTIFICATE OF ANALYSIS SD18198746

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	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
125575		0.6	29.8	177	66.8	71.1	88.9
125576		2.4	17.7	62	44.6		89.7
125577		0.6	18.5	131	28.2		
125578		0.3	17.1	96	68.9		
125579		0.5	21.8	131	90.1		
125580		0.4	21.1	114	88.5		
125581		0.4	19.5	101	81.0		
125582		0.3	21.2	93	89.4		
125583		0.6	39.6	202	185.0		
125584		0.7	41.2	129	182.0		
125585		0.7	48.0	125	235		
125586		0.8	12.3	37	128.0		
125587		0.1	6.4	9	151.0		



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Project: Rusty Lake Project

CERTIFICATE OF ANALYSIS SD18198746

	CERTIFICATE COMMENTS								
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Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</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> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td>PUL-31</td> </tr> </table>	CRU-31	CRU-QC	LOG-22		PUL-QC	SPL-21	WEI-21	PUL-31
CRU-31	CRU-QC	LOG-22							
PUL-QC	SPL-21	WEI-21	PUL-31						
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS61</p>								

APPENDIX 6: 2018 SOIL SAMPLE DESCRIPTIONS

Sample ID	Easting	Northing	Zone	Property	Sample Type	Sample Depth (cm)	Colour	Grain Size	Water Content	Organic Content	Clast Information	Comments	Sampler	Date
125651	515261	5262808	17T	Rusty Lake	Soil		Light Brown	Silt	dry	high	Lots of Boulders and Pebbles	Above OC	PS	2018-07-22
125652	515250	5262825	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Boulders and Pebbles	8 m from OC	PS	2018-07-22
125653	515240	5262843	17T	Rusty Lake	Soil		Brown & Grey	Clay	moist	low	Lots of Boulders and Pebbles	Very Densely Packed	PS	2018-07-22
125654	515231	5262860	17T	Rusty Lake	Soil		Grey	Clay	moist	high	Some Pebbles	In a Swamp (dried up)	PS	2018-07-22
125655	515218	5262876	17T	Rusty Lake	Soil		Grey-Brown	Clay	moist	high	Some Boulders, lots of Pebbles	In a Swamp (dried up)	PS	2018-07-22
125656	515209	5262894	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Boulders, some Pebbles		PS	2018-07-22
125657	515199	5262910	17T	Rusty Lake	Soil		Light Grey & Brown	Silt	dry	high	Some Boulders and Pebbles		PS	2018-07-22
125751	513453	5260906	17T	Rusty Lake	Soil	10 cm	Orange- Brown	Silt	dry	low			PS	2018-07-11
125752	513454	5260855	17T	Rusty Lake	Soil	20 cm	Orange- Brown	Silt	dry	low			PS	2018-07-11
125753	513459	5260805	17T	Rusty Lake	Soil	15 cm	Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-11
125754	513483	5260835	17T	Rusty Lake	Soil	10 cm	Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-11
125755	513509	5260807	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Some Pebbles		PS	2018-07-11
125756	513506	5260857	17T	Rusty Lake	Soil	15 cm	Light Brown	Silt	dry	low			PS	2018-07-11
125757	513481	5260886	17T	Rusty Lake	Soil	15 cm	Light Brown	Silt	dry	low			PS	2018-07-11
125758	513510	5260906	17T	Rusty Lake	Soil	15 cm	Light Brown	Silt	dry	low			PS	2018-07-11
125759	513482	5260936	17T	Rusty Lake	Soil	15 cm	Light Brown	Silt	dry	low			PS	2018-07-11
125760	514697	5261949	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Few Pebbles		PS	2018-07-16
125761	514685	5261966	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-16
125762	514675	5261983	17T	Rusty Lake	Soil		Brown			high	Some Boulders	Beside OC, in Swamp (dried up at the moment)	PS	2018-07-16
125763	514665	5261999	17T	Rusty Lake	Soil		Brown			high	Some Boulders	In Swamp (dried up)	PS	2018-07-16
125764	514653	5262017	17T	Rusty Lake	Soil		Brown			high	Some Boulders	In Swamp (dried up)	PS	2018-07-16
125765	514642	5262032	17T	Rusty Lake	Soil		Light Brown	Silt	dry	high	Some Boulders	In Swamp (dried up), Close to OC/Subcrop	PS	2018-07-16
125766	514632	5262049	17T	Rusty Lake	Soil		Brown		dry	high	Some Boulders	In Swamp (dried up)	PS	2018-07-17
125767	514620	5262066	17T	Rusty Lake	Soil		Dark Brown		moist	high	Some Boulders	In Swamp (dried up)	PS	2018-07-17
125768	514610	5262084	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-17
125769	514598	5262101	17T	Rusty Lake	Soil		Light Grey	Clay	moist	low	Some Pebbles		PS	2018-07-17
125770	514588	5262117	17T	Rusty Lake	Soil		Grey - Brown	Clay	dry	low	Lots of Pebbles	Possible former River	PS	2018-07-17
125771	514573	5262131	17T	Rusty Lake	Soil		Light Grey to Brown		dry	low	Some Boulders and Pebbles	On Subcrop, OC 4 m away	PS	2018-07-17
125772	514562	5262147	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Pebbles		PS	2018-07-17
125773	514552	5262166	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Few Pebbles		PS	2018-07-17
125774	514542	5262183	17T	Rusty Lake	Soil		Grey & Brown	Clay	dry	moderate	Lots of Boulders	In between lots of Boulders, Silts and Diabase	PS	2018-07-17
125775	514530	5262200	17T	Rusty Lake	Soil		Light Clay	Clay	moist	low	Some Boulders		PS	2018-07-17
125776	514520	5262216	17T	Rusty Lake	Soil		Grey & Brown	Clay	moist	low	Minor Pebbles		PS	2018-07-17
125777	514508	5262231	17T	Rusty Lake	Soil	60 cm	Brown	Clay	wet	high	Some Boulders		PS	2018-07-17
125778	514496	5262247	17T	Rusty Lake	Soil		Brown	Clay	wet	high		In Swamp	PS	2018-07-17
125779	514487	5262266	17T	Rusty Lake	Soil		Grey & Brown	Clay	dry	low	Lots of Pebbles	On Margin of Swamp	PS	2018-07-17
125780	514476	5262283	17T	Rusty Lake	Soil		Light Grey	Silt	dry		Lots of Pebbles	Very Densely Packed	PS	2018-07-17
125781	514464	5262299	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Few Pebbles		PS	2018-07-17
125782	514451	5262315	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-17
125783	515108	5262293	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-19
125784	515097	5262310	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-19
125785	515087	5262327	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-19

Sample ID	Easting	Northing	Zone	Property	Sample Type	Sample Depth (cm)	Colour	Grain Size	Water Content	Organic Content	Clast Information	Comments	Sampler	Date
125786	515076	5262343	17T	Rusty Lake	Soil		Light Brown		dry	low	Lots of Pebbles	On Road, Very Densely Packed	PS	2018-07-19
125787	515065	5262361	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Few Pebbles		PS	2018-07-19
125788	515055	5262378	17T	Rusty Lake	Soil	50 cm	Brown	Silt	dry	low			PS	2018-07-19
125789	515043	5262395	17T	Rusty Lake	Soil			Silt	dry	low	Lots of Boulders and Pebbles		PS	2018-07-19
125790	515033	5262411	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Boulders and Pebbles		PS	2018-07-19
125791	515021	5262429	17T	Rusty Lake	Soil	50 cm	Grey & Brown		moist	low	Lots of Boulders		PS	2018-07-19
125792	515011	5262445	17T	Rusty Lake	Soil		Light Grey & Brown	Clay	moist	low	Few Pebbles	In Swamp (dried up)	PS	2018-07-19
125793	514998	5262460	17T	Rusty Lake	Soil		Light Grey & Brown		dry	low	Lots of Boulders and Pebbles		PS	2018-07-19
125794	514989	5262478	17T	Rusty Lake	Soil		Light Brown, Some Grey	Clay	dry	low		Next to Old Trench	PS	2018-07-19
125795	514976	5262493	17T	Rusty Lake	Soil		Light Brown		dry	low	Some Pebbles and Boulders		PS	2018-07-19
125796	514964	5262510	17T	Rusty Lake	Soil		Light Brown		dry	low	Lots of Boulders and Pebbles		PS	2018-07-19
125797	514953	5262528	17T	Rusty Lake	Soil	15 cm	Light Brown		dry	low	Few Pebbles and some Boulders	Hit OC at bottom of sample hole	PS	2018-07-19
125798	514943	5262543	17T	Rusty Lake	Soil		Brown	Clay	moist	high	Lots of Boulders	In Swamp (dried up)	PS	2018-07-19
125799	514932	5262560	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-19
125800	514922	5262579	17T	Rusty Lake	Soil		Light Grey		dry	low	Lots of Boulders and Pebbles		PS	2018-07-19
125801	514910	5262594	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Few Pebbles		PS	2018-07-19
125802	514900	5262612	17T	Rusty Lake	Soil		Light Grey	Silt	dry	low	Some Pebbles		PS	2018-07-19
125803	514887	5262626	17T	Rusty Lake	Soil		Light Brown	Fine Sand	dry	low	Some Pebbles	Above OC	PS	2018-07-19
125804	514875	5262642	17T	Rusty Lake	Soil	20 cm	Light Grey	Silt	dry	low		Over Bedrock	PS	2018-07-19
125805	514862	5262658	17T	Rusty Lake	Soil			Silt	dry	low	Few Pebbles		PS	2018-07-19
125806	515785	5261982	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-20
125807	515773	5261998	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-20
125808	515762	5262015	17T	Rusty Lake	Soil	25 cm	Grey	Silt	dry	high	Lots of Pebbles	Next to OC RL-007	PS	2018-07-20
125809	515752	5262031	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-20
125810	515719	5262083	17T	Rusty Lake	Soil		Brown	Clay	moist	high	Lots of Boulders and Pebbles	In a Swamp (Dry)	PS	2018-07-20
125811	515708	5262098	17T	Rusty Lake	Soil	10 cm	Grey	Silt	dry	high		Organic Rich, Flat Bedrock	PS	2018-07-20
125812	515685	5262133	17T	Rusty Lake	Soil		Light Brown	Silt	dry	high	Some Pebbles and Boulders		PS	2018-07-20
125813	515675	5262150	17T	Rusty Lake	Soil		Light Brown & Light Grey	Silt	dry	low	Minor Pebbles		PS	2018-07-20
125814	515660	5262163	17T	Rusty Lake	Soil		Light Grey	Silt	dry	low	Some Pebbles	Close to OC	PS	2018-07-20
125815	515651	5262180	17T	Rusty Lake	Soil		Light Grey	Silt	dry	low	Some Pebbles		PS	2018-07-20
125816	515639	5262197	17T	Rusty Lake	Soil		Light Grey	Silt	dry	low	Some Pebbles	Next to OC	PS	2018-07-20
125817	515632	5262218	17T	Rusty Lake	Soil		Light Grey-Brown		dry	low	Some Boulders and Pebbles		PS	2018-07-20
125818	515621	5262234	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-20
125819	515610	5262249	17T	Rusty Lake	Soil		Brown	Clay	dry	high	Some Pebbles	In a Swamp (Dry)	PS	2018-07-20
125820	515602	5262270	17T	Rusty Lake	Soil		Grey-Brown	Clay	wet	high		In a Swamp (Wet)	PS	2018-07-20
125821	515594	5262287	17T	Rusty Lake	Soil		Grey	Clay	wet	high		In a Swamp (Wet)	PS	2018-07-20
125822	515577	5262300	17T	Rusty Lake	Soil		Grey	Silt	dry	low	Lots of Pebbles		PS	2018-07-20
125823	515564	5262316	17T	Rusty Lake	Soil		Light Grey				Lots of Pebbles and Boulders	Next to OC RI-013	PS	2018-07-20
125824	515555	5262333	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		PS	2018-07-20
125825	515547	5262351	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-20
125826	515532	5262371	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Boulders		KC	2018-07-21
125827	515526	5262385	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125828	515515	5262401	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125829	515505	5262419	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125830	515492	5262436	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125831	515482	5262452	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125832	515470	5262469	17T	Rusty Lake	Soil		Orange- Brown	Silt	dry	low			KC	2018-07-21

Sample ID	Easting	Northing	Zone	Property	Sample Type	Sample Depth (cm)	Colour	Grain Size	Water Content	Organic Content	Clast Information	Comments	Sampler	Date
125833	515460	5262485	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Lots of Pebbles		KC	2018-07-21
125834	515450	5262504	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125835	515441	5262520	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125836	515426	5262537	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125837	515418	5262554	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125838	515404	5262569	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125839	515399	5262592	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125840	515388	5262606	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125841	515377	5262622	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-21
125842	515367	5262640	17T	Rusty Lake	Soil		Dark Brown	Silt	dry	low		Edge of Swamp	KC	2018-07-21
125843	515356	5262656	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125844	515331	5262689	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Some Pebbles		KC	2018-07-21
125845	515320	5262705	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Lots of Pebbles		KC	2018-07-21
125846	515311	5262723	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Boulders and Pebbles		KC	2018-07-21
125847	515301	5262740	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Some Boulders and Pebbles		KC	2018-07-21
125848	515290	5262757	17T	Rusty Lake	Soil		Brown/Grey	Silt	dry	low	Some Pebbles		KC	2018-07-21
125849	515280	5262773	17T	Rusty Lake	Soil		Brown	Silt	dry	low			KC	2018-07-21
125850	515272	5262789	17T	Rusty Lake	Soil		Light Grey	Clay	dry	low	Some Boulders, lots of Pebbles	Next to OC	PS	
125851	514634	5261806	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Few Pebbles	Next to Tree struck by Lightning	PS	2018-07-21
125852	514290	5261626	17T	Rusty Lake	Soil		Light Grey	Silt	dry	low	Lots of Boulder and Pebbles		PS	2018-07-21
125853	514279	5261643	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles and Some Boulders		PS	2018-07-21
125854	514267	5261660	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Boulders and Pebbles	Packed Densely	PS	2018-07-21
125855	514256	5261675	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Minor Pebbles		PS	2018-07-21
125856	514246	5261693	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Pebbles		PS	2018-07-21
125857	514235	5261711	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Boulders and Pebbles		PS	2018-07-21
125858	514225	5261727	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Boulders and Pebbles		PS	2018-07-21
125859	514213	5261743	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Boulders and Pebbles		PS	2018-07-21
125860	514202	5261759	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Lots of Pebbles, Some Boulders		PS	2018-07-21
125861	514185	5261772	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low			PS	2018-07-22
125862	514166	5261787	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Some Pebbles		KC	2018-07-22
125863	514162	5261806	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-22
125864	514149	5261822	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-22
125865	514139	5261836	17T	Rusty Lake	Soil		Grey	Silt	dry	low			KC	2018-07-22
125866	514126	5261851	17T	Rusty Lake	Soil		Brown	Silt	dry	low	Some Pebbles		KC	2018-07-22
125867	514115	5261869	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low		Near OC	KC	2018-07-22
125868	514099	5261887	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-22
125869	514088	5261902	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low	Some Pebbles		KC	2018-07-22
125870	514077	5261917	17T	Rusty Lake	Soil		Dark Brown		wet	high		In a Swamp (dried up)	KC	2018-07-22
125871	514068	5261932	17T	Rusty Lake	Soil		Dark Brown	Silt	wet	high		In a Swamp (dried up)	KC	2018-07-22
125872	514052	5261949	17T	Rusty Lake	Soil		Dark Brown	Silt	wet	high		In a Swamp (dried up)	KC	2018-07-22
125873	514040	5261961	17T	Rusty Lake	Soil		Dark Brown	Silt	wet	high		In a Swamp (dried up)	KC	2018-07-22
125874	514026	5261979	17T	Rusty Lake	Soil		Dark Brown	Silt	wet	high		In a Swamp (dried up)	KC	2018-07-22
125875	514016	5261995	17T	Rusty Lake	Soil		Dark Brown	Silt	wet	high		In a Swamp (dried up)	KC	2018-07-22
125876	514002	5262011	17T	Rusty Lake	Soil		Light Brown	Silt	dry	high		Just outside Swamp	KC	2018-07-22
125877	513993	5262025	17T	Rusty Lake	Soil		Brown	Silt	dry	low			KC	2018-07-22
125878	513976	5262041	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low			KC	2018-07-22
125879	513963	5262061	17T	Rusty Lake	Soil		Light Brown	Silt	dry	low			KC	2018-07-22

APPENDIX 7: 2018 SOIL SAMPLE ANALYTICAL CERTIFICATES



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To: **ICOBALT RUSTY LAKE COBALT INC.**
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1 PLACE VILLE MARIE
MONTREAL QC H3B 4M4

1
 Total # Pages **5 (A - G)**
 Plus Appendix Pages
 Finalized Date: **5-AUG-2018**
 This copy reported on
6-AUG-2018
 Account: **MLGBDD**

CERTIFICATE SD18179561

Project: Rusty Lake
 P.O. No.: 18060
 This report is for 136 Soil samples submitted to our lab in Sudbury, ON, Canada on 25-JUL-2018.
 The following have access to data associated with this certificate:

CHERIE LEEDEN	HENRY LOLE	
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SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41L	Super Trace Lowest DL AR by ICP-MS
AuME-TL43	25g Trace Au + Multi Element PKG

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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 5 (A - G)
 Plus Appendix Pages
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 Account: MLGBDD

Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
125751		0.21	<0.001	0.07	1.06	1.7	<10	30	0.32	0.12	0.06	0.06	11.50	3.7	25	0.57
125752		0.21	0.002	0.09	1.00	1.1	<10	40	0.23	0.11	0.08	0.05	12.55	2.9	19	0.40
125753		0.41	0.001	0.05	1.01	1.9	<10	30	0.33	0.10	0.11	0.06	24.1	7.0	27	0.49
125754		0.29	0.006	0.09	0.98	2.3	10	40	0.26	0.15	0.10	0.09	16.95	5.5	28	0.59
125755		0.19	0.002	0.11	0.80	2.3	<10	30	0.20	0.14	0.07	0.09	15.35	2.9	22	0.45
125756		0.25	0.002	0.09	1.33	2.5	<10	30	0.28	0.11	0.09	0.09	16.75	4.5	26	0.47
125757		0.23	<0.001	0.09	1.30	1.8	<10	40	0.34	0.11	0.09	0.06	14.80	6.1	26	0.53
125758		0.22	0.001	0.12	0.95	2.6	<10	40	0.50	0.14	0.09	0.07	24.2	4.3	23	0.51
125759		0.26	<0.001	0.09	1.25	2.2	<10	70	0.32	0.13	0.12	0.15	15.05	5.1	27	0.68
125760		0.19	<0.001	0.08	1.21	2.1	<10	40	0.36	0.11	0.07	0.06	15.20	4.5	26	0.86
125761		0.13	<0.001	0.07	1.19	3.9	10	40	0.44	0.15	0.09	0.11	16.75	6.5	30	0.76
125762		0.09	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125763		0.12	<0.001	1.07	2.08	912	20	300	1.09	1.63	0.94	1.91	67.8	717	42	1.50
125764		0.10	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125765		0.14	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125766		0.09	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125767		0.13	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125768		0.19	0.002	0.07	1.64	2.7	<10	20	0.33	0.13	0.05	0.06	12.55	4.3	24	0.41
125769		0.33	<0.001	0.03	0.76	1.9	20	30	0.22	0.09	0.12	0.03	14.25	6.7	20	0.61
125770		0.29	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125771		0.23	0.001	0.09	0.47	1.6	<10	20	0.06	0.17	0.07	0.08	12.70	1.2	9	0.30
125772		0.30	0.001	0.21	2.13	4.1	<10	50	0.53	0.19	0.09	0.11	16.75	8.8	34	0.89
125773		0.23	<0.001	0.11	1.51	1.7	<10	30	0.34	0.10	0.07	0.05	17.05	7.5	28	0.52
125774		0.25	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125775		0.33	0.003	0.09	0.70	10.1	10	20	0.16	0.17	0.10	0.04	14.80	4.5	19	0.78
125776		0.30	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125777		0.15	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125778		0.17	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125779		0.28	0.001	0.09	2.48	1.4	10	160	1.57	0.27	0.40	0.23	98.5	15.7	67	2.36
125780		0.32	0.005	0.01	0.60	0.6	<10	40	0.16	0.08	0.13	0.02	15.90	3.6	19	0.39
125781		0.25	0.002	0.10	1.35	2.1	<10	40	0.45	0.10	0.09	0.05	19.30	3.8	24	0.69
125782		0.26	<0.001	0.22	1.41	2.1	<10	40	0.35	0.09	0.09	0.08	17.55	5.6	27	0.61
125783		0.24	0.001	0.04	1.48	1.2	<10	30	0.27	0.08	0.07	0.05	12.70	2.8	23	0.52
125784		0.24	0.001	0.06	1.32	0.8	<10	30	0.23	0.07	0.05	0.04	13.60	3.3	23	0.45
125785		0.20	0.001	0.10	1.50	1.7	<10	30	0.34	0.09	0.07	0.07	16.00	4.6	30	0.67
125786		0.34	<0.001	0.07	1.37	3.3	20	30	0.30	0.19	0.08	0.07	20.2	5.9	34	0.95
125787		0.23	0.001	0.06	1.41	1.4	<10	30	0.28	0.07	0.09	<0.05	17.60	4.9	31	0.53
125788		0.16	0.001	0.12	0.57	1.5	<10	80	0.08	0.14	0.21	0.19	12.40	1.4	14	0.26
125789		0.26	0.002	0.13	1.13	8.1	<10	70	0.30	0.30	0.13	0.15	16.20	9.9	44	1.18
125790		0.29	0.001	0.18	1.59	3.0	<10	30	0.42	0.15	0.18	0.09	15.60	5.1	36	0.75



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To: COBALT RUSTY LAKE COBALT INC.
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 Plus Appendix Pages
 Finalized Date: 5-AUG-2018
 Account: MLGBDD

Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method															
	Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
125751		4.2	1.88	6.13	<0.05	0.02	0.03	0.016	0.03	6.5	10.0	0.12	71	0.52	0.01	1.40
125752		3.8	1.41	5.70	<0.05	0.02	0.03	0.012	0.02	6.8	7.2	0.09	55	0.41	0.01	1.15
125753		17.7	1.22	3.31	<0.05	0.04	0.03	0.010	0.02	7.8	7.5	0.25	176	0.27	0.01	0.91
125754		9.0	1.36	3.59	<0.05	0.02	0.05	0.014	0.03	7.3	8.4	0.21	253	0.29	0.01	1.08
125755		5.1	1.47	5.02	<0.05	<0.02	0.05	0.014	0.02	7.4	5.6	0.13	76	0.32	0.01	1.05
125756		6.8	1.55	4.22	<0.05	0.03	0.05	0.015	0.02	7.0	8.4	0.16	95	0.45	0.01	1.35
125757		8.1	1.38	3.88	<0.05	0.02	0.04	0.014	0.02	7.1	9.2	0.19	113	0.33	0.01	1.21
125758		12.0	1.60	5.41	<0.05	0.02	0.05	0.014	0.03	11.6	8.4	0.15	82	0.62	0.01	1.41
125759		7.9	1.50	4.37	<0.05	<0.02	0.04	0.017	0.03	7.4	10.8	0.21	151	0.37	0.01	1.19
125760		9.6	1.71	5.38	<0.05	0.03	0.03	0.011	0.03	7.7	8.7	0.18	53	0.47	0.01	1.54
125761		16.6	2.56	5.77	<0.05	0.02	0.04	0.021	0.03	8.9	10.4	0.22	98	0.61	0.01	1.59
125762		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125763		41.3	9.23	7.98	0.12	<0.02	0.32	0.078	0.08	19.1	10.7	0.19	10200	4.63	0.02	1.01
125764		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125765		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125766		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125767		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125768		9.5	1.86	6.23	<0.05	0.04	0.07	0.016	0.02	6.3	7.6	0.12	46	0.69	0.01	1.57
125769		15.6	0.74	2.85	0.08	<0.02	0.02	<0.005	0.02	7.0	8.4	0.20	163	0.45	0.01	0.87
125770		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125771		4.6	0.75	4.36	<0.05	<0.02	0.03	0.006	0.01	6.7	2.6	0.05	37	0.40	0.01	0.73
125772		15.7	2.74	6.79	<0.05	0.05	0.07	0.027	0.03	7.7	11.6	0.18	150	0.59	0.01	1.83
125773		7.4	1.43	3.94	<0.05	0.04	0.04	0.015	0.02	7.2	8.6	0.20	66	0.39	0.01	1.32
125774		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125775		15.1	0.81	3.90	0.05	<0.02	0.01	0.007	0.02	7.5	7.9	0.18	54	0.37	0.01	0.89
125776		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125777		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125778		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125779		64.0	2.75	7.74	0.13	0.06	0.09	0.025	0.07	52.5	30.9	0.85	194	0.28	0.01	0.79
125780		9.9	0.79	2.18	<0.05	<0.02	0.01	0.005	0.02	8.6	7.2	0.25	59	0.13	0.02	0.37
125781		13.1	1.64	3.85	<0.05	0.02	0.05	0.014	0.03	10.2	11.1	0.16	51	0.49	0.02	1.01
125782		12.0	1.51	4.03	<0.05	0.02	0.04	0.015	0.03	7.7	11.4	0.19	63	0.35	0.02	1.26
125783		4.2	1.26	4.00	<0.05	0.02	0.03	0.012	0.02	6.3	6.8	0.11	54	0.27	0.02	1.06
125784		3.4	1.07	3.81	<0.05	0.02	0.04	0.011	0.02	6.3	7.1	0.11	50	0.28	0.02	1.05
125785		7.6	1.34	3.62	<0.05	0.02	0.06	0.012	0.02	7.5	9.1	0.20	76	0.35	0.02	1.20
125786		12.1	2.05	5.95	<0.05	<0.02	0.04	0.020	0.02	9.7	7.5	0.18	144	0.53	0.01	1.29
125787		6.0	1.26	3.44	<0.05	0.02	0.04	0.013	0.03	7.6	9.2	0.24	122	0.25	0.02	1.04
125788		4.9	0.99	4.52	<0.05	<0.02	0.04	0.009	0.03	6.4	3.5	0.07	140	0.39	0.03	0.88
125789		19.9	3.03	5.91	<0.05	0.03	0.06	0.025	0.04	7.6	10.4	0.26	462	0.77	0.04	1.78
125790		9.4	2.50	5.31	<0.05	0.03	0.05	0.019	0.02	7.6	13.1	0.23	81	0.66	0.03	1.84



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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
125751		12.9	430	7.2	5.0	<0.001	<0.01	0.08	1.2	0.3	0.5	6.0	<0.01	0.03	1.9	0.054
125752		9.4	270	6.1	4.4	<0.001	<0.01	0.05	1.1	0.3	0.5	7.1	<0.01	0.02	2.0	0.037
125753		19.5	420	6.9	3.7	<0.001	<0.01	0.06	1.8	0.4	0.3	6.9	<0.01	0.02	2.6	0.046
125754		18.5	450	7.1	4.5	<0.001	<0.01	0.09	1.5	0.4	0.4	7.2	<0.01	0.03	2.1	0.051
125755		9.8	380	7.6	3.0	<0.001	0.01	0.08	1.1	0.3	0.5	6.5	<0.01	0.03	1.3	0.043
125756		16.1	370	5.5	4.0	<0.001	0.01	0.09	1.5	0.6	0.4	7.0	<0.01	0.03	2.1	0.051
125757		20.5	280	6.1	4.8	<0.001	0.01	0.06	1.5	0.3	0.4	7.2	<0.01	0.02	2.0	0.051
125758		14.5	250	7.9	5.1	<0.001	0.01	0.09	1.6	0.5	0.5	8.2	<0.01	0.03	1.6	0.055
125759		20.2	350	6.5	6.3	<0.001	0.01	0.07	1.4	0.2	0.4	10.6	<0.01	0.04	1.3	0.049
125760		14.8	140	7.1	4.7	<0.001	0.01	0.06	1.6	0.2	0.5	6.3	<0.01	0.02	2.1	0.060
125761		16.3	210	10.6	5.6	<0.001	0.01	0.09	1.8	0.3	0.5	8.1	<0.01	0.04	1.8	0.070
125762		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125763		42.9	3240	108.0	11.8	<0.001	0.14	0.63	2.2	2.6	1.7	40.1	<0.01	0.26	0.5	0.041
125764		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125765		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125766		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125767		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125768		11.9	250	7.4	2.6	<0.001	0.03	0.09	1.5	0.6	0.5	4.1	<0.01	0.04	1.6	0.042
125769		16.5	210	4.9	3.9	<0.001	<0.01	<0.05	1.4	0.2	0.3	6.5	<0.01	<0.01	2.2	0.047
125770		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125771		3.6	110	8.5	3.0	<0.001	<0.01	0.08	0.7	0.3	0.5	5.3	<0.01	0.02	1.7	0.031
125772		20.1	370	9.3	4.7	<0.001	0.02	0.10	2.4	0.7	0.6	6.8	<0.01	0.03	2.4	0.063
125773		21.1	210	6.5	3.7	<0.001	0.01	0.05	1.7	0.2	0.4	6.0	<0.01	0.03	2.0	0.047
125774		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125775		14.1	70	5.9	4.2	<0.001	<0.01	0.05	1.3	0.2	0.4	6.9	<0.01	0.03	2.2	0.050
125776		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125777		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125778		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125779		52.4	530	17.7	11.9	0.001	0.03	0.21	7.6	<0.2	0.5	14.0	<0.01	0.03	3.6	0.019
125780		12.4	220	4.8	3.9	<0.001	0.02	0.05	1.1	<0.2	0.2	6.2	<0.01	0.01	1.8	0.024
125781		11.4	190	9.5	6.4	<0.001	0.03	0.06	1.7	0.3	0.3	7.1	<0.01	0.01	1.7	0.027
125782		16.0	270	6.9	4.9	<0.001	0.03	0.05	1.5	0.3	0.4	7.1	<0.01	0.02	1.7	0.043
125783		9.8	260	4.7	3.2	<0.001	0.05	0.05	1.4	0.2	0.4	5.3	<0.01	0.02	1.6	0.043
125784		9.8	250	4.6	3.1	<0.001	0.04	<0.05	1.3	0.2	0.4	4.7	<0.01	0.01	2.0	0.044
125785		14.0	380	5.9	3.8	<0.001	0.03	0.06	1.5	0.4	0.4	5.6	<0.01	0.02	1.8	0.047
125786		14.8	450	7.1	4.1	<0.001	<0.01	0.12	1.8	0.3	0.5	5.6	<0.01	0.08	2.4	0.070
125787		16.0	350	5.0	4.2	<0.001	0.03	0.05	1.7	0.3	0.3	6.5	<0.01	0.01	2.1	0.050
125788		6.6	280	8.2	3.3	<0.001	0.04	0.07	0.5	0.3	0.5	13.3	<0.01	0.02	0.7	0.032
125789		19.9	380	14.1	8.2	<0.001	0.05	0.21	1.7	0.8	0.7	8.9	<0.01	0.14	1.9	0.076
125790		15.4	320	6.7	4.4	<0.001	0.05	0.08	1.8	0.4	0.5	10.0	<0.01	0.03	1.6	0.071



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Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Tl	U	V	W	Y	Zn	Zr	Au	Ag	Al	As	B	Ba	Be	Bi
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.001
125751		0.04	0.29	35	0.11	1.45	19	0.9								
125752		0.04	0.29	28	0.08	1.56	13	0.9								
125753		0.03	0.43	25	0.11	2.65	18	1.4								
125754		0.05	0.36	26	0.15	1.89	23	0.7								
125755		0.04	0.37	29	0.07	1.71	14	<0.5								
125756		0.04	0.36	29	0.11	1.84	26	1.4								
125757		0.03	0.33	25	0.12	1.94	21	1.0								
125758		0.05	0.48	30	0.10	4.93	15	0.8								
125759		0.04	0.37	25	0.12	1.92	44	0.6								
125760		0.04	0.38	36	0.09	2.44	27	1.3								
125761		0.05	0.50	45	0.15	3.42	31	0.9								
125762		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125763		0.31	1.74	230	0.28	11.35	238	<0.5								
125764		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0008	0.195	0.80	8.35	<10	66.1	0.35	0.319
125765		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0005	0.190	1.25	3.97	<10	78.7	0.25	0.235
125766		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0022	0.208	0.58	9.82	<10	141.5	0.36	0.586
125767		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0027	0.151	0.58	12.00	<10	93.0	0.30	0.337
125768		0.03	0.38	33	0.09	1.75	17	1.4								
125769		0.05	0.33	18	0.08	2.14	13	1.0								
125770		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0088	0.089	1.36	2.43	<10	57.3	0.26	0.174
125771		0.03	0.26	23	0.06	0.96	17	0.5								
125772		0.04	0.53	43	0.11	2.99	42	2.5								
125773		0.04	0.34	24	0.08	2.20	13	1.6								
125774		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125775		0.03	0.34	21	0.09	1.84	14	0.6								
125776		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0023	0.013	0.81	1.74	<10	25.1	0.18	0.102
125777		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0025	0.607	1.30	2.93	<10	128.0	1.26	0.102
125778		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0040	0.514	1.46	2.42	<10	114.5	1.85	0.094
125779		0.17	3.30	63	0.15	22.6	56	2.4								
125780		0.02	0.32	16	0.05	1.99	12	0.8								
125781		0.04	0.52	29	0.09	3.44	17	1.0								
125782		0.04	0.40	26	0.08	2.04	50	1.0								
125783		0.04	0.27	26	0.06	1.66	23	0.9								
125784		0.03	0.29	22	0.06	1.48	20	0.9								
125785		0.03	0.40	27	0.08	1.78	20	0.8								
125786		0.05	0.49	44	0.14	2.09	21	<0.5								
125787		0.04	0.34	25	0.07	2.19	24	0.8								
125788		0.03	0.26	24	<0.05	0.93	33	<0.5								
125789		0.05	0.48	53	0.16	1.76	32	1.7								
125790		0.04	0.47	47	0.13	2.32	23	1.7								



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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm
125751 125752 125753 125754 125755		0.01	0.001	0.003	0.001	0.01	0.005	0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002
125756 125757 125758 125759 125760																
125761 125762 125763 125764 125765		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
		0.36	0.597	22.0	8.33	14.30	0.553	18.10	0.800	3.20	0.030	0.009	0.116	0.025	0.03	9.56
		0.65	0.484	10.90	4.65	21.9	0.730	10.85	2.06	6.18	0.030	0.005	0.092	0.030	0.04	5.68
125766 125767 125768 125769 125770		1.45	1.400	18.65	11.80	11.50	0.463	30.0	0.470	1.240	0.056	0.023	0.193	0.034	0.04	9.74
		0.68	0.717	12.65	10.95	20.6	0.540	23.8	0.620	1.970	0.033	0.006	0.204	0.028	0.02	6.90
		0.19	0.119	16.90	4.85	28.3	1.255	12.95	0.800	5.42	0.034	0.012	0.067	0.023	0.04	8.77
125771 125772 125773 125774 125775		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125776 125777 125778 125779 125780		0.09	0.063	14.85	4.41	23.1	0.537	13.60	1.020	3.18	0.026	0.033	0.026	0.009	0.02	7.46
		1.76	0.682	100.5	4.63	25.6	0.457	128.0	0.640	1.775	0.185	0.073	0.228	0.016	0.03	76.0
		1.84	0.857	140.5	2.76	29.9	0.289	158.0	0.520	1.250	0.275	0.133	0.479	0.021	0.02	109.0
125781 125782 125783 125784 125785																
125786 125787 125788 125789 125790																



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Project: Rusty Lake

CERTIFICATE OF ANALYSIS	SD18179561
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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb
		ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.1	0.01	0.1	0.01	0.001	0.002	0.04	0.001	0.005	0.001	0.002	0.005	0.001	0.01	0.005
125751 125752 125753 125754 125755																
125756 125757 125758 125759 125760																
125761 125762 125763 125764 125765		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
		4.7	0.12	171.0	0.55	0.013	0.406	13.35	0.060	20.6	0.002	<0.002	4.92	0.001	0.13	0.161
		8.2	0.14	236	1.10	0.008	0.922	9.34	0.067	13.90	<0.001	0.002	8.34	<0.001	0.06	0.179
125766 125767 125768 125769 125770		1.2	0.14	333	0.73	0.028	0.199	22.8	0.120	23.3	0.005	0.002	5.15	0.002	0.57	0.403
		2.6	0.09	109.5	0.79	0.035	0.292	29.7	0.078	27.2	<0.001	<0.002	3.31	<0.001	0.21	0.230
		10.6	0.21	61.0	0.33	0.009	0.625	17.65	0.026	12.25	0.001	<0.002	9.64	<0.001	0.05	0.080
125771 125772 125773 125774 125775		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125776 125777 125778 125779 125780		8.3	0.22	60.2	0.23	0.008	0.645	15.30	0.010	5.78	0.001	<0.002	3.69	<0.001	0.02	0.068
		5.3	0.25	79.9	0.41	0.019	0.418	17.95	0.063	9.07	0.005	<0.002	3.13	0.004	0.22	0.152
		3.2	0.14	97.1	0.33	0.024	0.417	18.40	0.103	8.43	0.008	0.002	2.16	0.004	0.30	0.201
125781 125782 125783 125784 125785																
125786 125787 125788 125789 125790																

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



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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L Sc ppm	ME-MS41L Se ppm	ME-MS41L Sn ppm	ME-MS41L Sr ppm	ME-MS41L Ta ppm	ME-MS41L Te ppm	ME-MS41L Th ppm	ME-MS41L Ti %	ME-MS41L Tl ppm	ME-MS41L U ppm	ME-MS41L V ppm	ME-MS41L W ppm	ME-MS41L Y ppm	ME-MS41L Zn ppm	ME-MS41L Zr ppm
125751 125752 125753 125754 125755		0.005	0.1	0.01	0.01	0.005	0.01	0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
125756 125757 125758 125759 125760																
125761 125762 125763 125764 125765		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
		1.115	0.7	0.74	11.90	<0.005	0.03	0.419	0.020	0.070	0.776	21.7	0.082	3.83	32.9	0.26
		0.883	0.6	0.65	28.2	<0.005	0.05	0.282	0.054	0.045	0.468	39.6	0.131	1.405	75.2	0.34
125766 125767 125768 125769 125770		1.745	1.5	1.06	44.9	<0.005	0.03	0.358	0.010	0.061	1.405	9.5	0.069	4.98	121.5	0.67
		1.520	1.2	0.90	27.2	<0.005	0.05	0.212	0.016	0.054	0.726	11.4	0.070	3.17	78.2	0.34
125771 125772 125773 125774 125775		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125776 125777 125778 125779 125780		1.570	0.2	0.31	6.02	<0.005	0.03	1.850	0.043	0.031	0.352	21.7	0.079	2.33	13.5	1.23
		4.67	1.9	0.30	39.4	<0.005	0.02	0.923	0.018	0.061	6.35	17.1	0.113	40.9	32.2	2.52
		6.39	2.7	0.21	37.3	<0.005	0.03	1.710	0.014	0.061	10.20	9.2	0.061	59.0	19.7	4.22
125781 125782 125783 125784 125785																
125786 125787 125788 125789 125790																



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Project: Rusty Lake

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Sample Description	Method Analyte Units LOD	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
125791		0.29	0.001	0.03	1.00	1.2	10	80	0.48	0.14	0.34	0.05	26.9	3.4	29	0.89
125792		0.33	<0.001	0.04	1.29	1.6	10	90	0.58	0.08	0.25	0.03	34.9	7.3	39	0.67
125793		0.26	0.002	0.11	0.69	1.8	<10	30	0.13	0.15	0.09	0.09	13.75	2.2	16	0.32
125794		0.29	0.003	0.21	0.92	200	<10	40	0.30	2.74	0.27	0.12	22.2	42.5	22	0.39
125795		0.22	0.001	0.05	1.11	2.0	<10	40	0.23	0.10	0.11	0.04	15.10	3.7	26	0.65
125796		0.30	0.001	0.11	1.87	2.7	<10	30	0.37	0.11	0.09	0.08	14.55	5.8	28	0.68
125797		0.22	0.002	0.06	1.42	3.0	<10	40	0.30	0.13	0.09	0.07	15.30	4.1	25	0.73
125798		0.16	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125799		0.26	0.001	0.05	1.32	2.1	<10	30	0.31	0.09	0.12	0.06	16.85	5.7	29	0.74
125800		0.27	0.001	0.06	1.28	2.4	<10	60	0.35	0.14	0.20	0.05	22.3	8.5	29	0.92
125801		0.27	0.002	0.10	1.44	2.0	<10	30	0.32	0.09	0.11	0.05	18.45	6.4	28	0.61
125802		0.21	0.001	0.08	0.71	1.7	<10	30	0.18	0.12	0.08	0.10	17.65	1.9	12	0.47
125803		0.24	0.002	0.04	1.34	1.4	<10	30	0.28	0.07	0.13	0.08	16.90	4.6	26	0.59
125804		0.13	0.002	0.03	0.30	0.7	<10	20	<0.05	0.12	0.05	0.05	17.40	0.4	6	0.24
125805		0.32	0.001	0.03	0.94	0.9	<10	40	0.23	0.07	0.22	0.03	22.6	5.4	22	0.59
125806		0.28	0.002	0.05	1.50	1.1	<10	20	0.30	0.08	0.08	0.04	15.65	3.4	23	0.51
125807		0.24	0.001	0.03	1.55	1.1	<10	20	0.30	0.08	0.08	0.05	14.65	4.0	25	0.52
125808		0.15	0.001	0.03	0.68	0.8	<10	50	0.13	0.10	0.04	0.17	53.8	0.7	15	0.24
125809		0.24	0.001	0.04	1.09	0.9	<10	20	0.24	0.06	0.07	0.05	16.40	3.0	22	0.43
125810		0.31	0.001	0.05	1.21	0.7	10	70	0.37	0.07	0.37	0.10	36.9	6.5	34	0.84
125811		0.11	0.001	0.09	0.24	0.8	<10	20	0.05	0.10	0.07	0.25	78.6	0.7	6	0.09
125812		0.22	0.001	0.02	0.91	1.1	<10	10	0.10	0.10	0.04	0.05	13.55	1.1	15	0.25
125813		0.24	0.002	0.03	0.91	2.3	10	20	0.13	0.15	0.05	0.08	14.20	1.4	25	0.37
125814		0.19	0.002	0.02	0.24	0.5	<10	20	<0.05	0.09	0.02	0.07	25.4	0.3	5	0.11
125815		0.26	0.002	0.01	0.62	1.0	<10	20	0.08	0.13	0.07	0.07	15.75	1.6	12	0.45
125816		0.20	0.003	0.05	0.41	0.5	<10	20	<0.05	0.05	0.01	0.08	58.0	0.4	9	0.12
125817		0.24	0.001	0.02	0.76	1.3	<10	10	0.13	0.13	0.06	0.06	16.00	1.5	15	0.45
125818		0.33	0.001	0.05	1.56	2.3	10	30	0.24	0.15	0.10	0.17	17.00	4.8	28	0.50
125819		0.26	0.002	0.14	2.04	5.8	10	180	0.66	0.39	0.55	0.62	50.3	28.5	48	1.47
125820		0.22	0.002	0.20	1.58	1.0	10	90	0.50	0.09	0.40	0.24	47.7	9.6	46	1.75
125821		0.23	0.002	0.22	1.55	0.6	10	90	0.57	0.07	0.49	0.30	45.7	5.3	45	1.13
125822		0.30	0.001	0.01	0.80	0.7	10	40	0.18	0.08	0.21	0.06	21.9	4.8	21	0.50
125823		0.17	<0.001	0.05	0.70	1.3	10	30	0.17	0.24	0.09	0.20	17.95	1.3	13	0.41
125824		0.30	0.001	0.14	1.33	1.3	10	40	0.25	0.10	0.12	0.05	17.55	4.6	26	0.66
125825		0.38	0.173	0.13	1.26	1.8	10	50	0.31	0.10	0.17	0.07	19.70	5.5	33	0.57
125826		0.19	0.004	0.12	1.19	2.3	10	70	0.33	0.12	0.22	0.10	22.1	6.9	30	0.70
125827		0.19	0.001	0.11	1.11	1.1	10	30	0.21	0.07	0.11	0.06	16.30	4.6	27	0.51
125828		0.20	<0.001	0.08	1.00	0.9	<10	20	0.19	0.08	0.07	0.03	15.25	3.4	21	0.48
125829		0.20	0.003	0.08	1.28	0.8	10	20	0.26	0.09	0.08	0.05	15.25	2.3	21	0.31
125830		0.24	0.001	0.05	0.90	2.1	10	40	0.13	0.16	0.06	0.12	17.70	2.3	22	0.35



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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units LOD	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
125791		13.6	0.60	4.22	<0.05	<0.02	0.04	0.010	0.03	13.6	9.2	0.21	54	0.40	0.06	0.53
125792		14.6	1.29	4.03	0.06	0.02	0.02	0.010	0.03	18.9	9.5	0.35	114	0.13	0.01	0.85
125793		5.3	1.15	4.71	<0.05	<0.02	0.03	0.009	0.02	7.0	3.7	0.08	59	0.41	0.03	0.97
125794		30.2	1.15	2.56	<0.05	<0.02	0.29	0.028	0.02	10.0	8.7	0.27	355	0.27	0.02	0.67
125795		8.4	1.22	4.26	<0.05	0.02	0.03	0.012	0.03	7.9	9.7	0.22	67	0.35	0.02	1.17
125796		9.5	1.71	4.83	<0.05	0.04	0.05	0.018	0.02	7.3	12.0	0.20	63	0.44	0.02	1.46
125797		8.7	1.50	4.09	<0.05	0.04	0.05	0.017	0.03	7.7	10.9	0.17	57	0.52	0.02	1.30
125798		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125799		9.6	1.42	3.13	<0.05	0.03	0.03	0.012	0.03	7.7	10.9	0.28	83	0.29	0.02	1.06
125800		13.0	1.27	3.52	<0.05	0.03	0.03	0.014	0.04	10.6	13.7	0.32	161	0.34	0.02	0.90
125801		6.4	1.67	4.32	<0.05	0.02	0.04	0.015	0.03	8.2	10.6	0.21	66	0.46	0.02	1.39
125802		8.4	0.57	2.87	<0.05	<0.02	0.04	0.009	0.02	8.9	4.3	0.09	32	0.25	0.02	0.40
125803		14.3	1.18	3.34	<0.05	0.03	0.03	0.012	0.02	8.4	10.2	0.24	73	0.22	0.02	0.92
125804		3.1	0.21	2.97	<0.05	<0.02	0.01	<0.005	0.02	8.7	0.6	0.02	12	0.21	0.02	0.26
125805		6.0	0.85	2.40	<0.05	0.03	0.01	0.009	0.02	10.6	10.9	0.26	81	0.12	0.02	0.60
125806		4.4	1.44	4.97	<0.05	0.02	0.04	0.014	0.02	7.8	10.8	0.13	45	0.33	0.02	1.33
125807		3.3	1.39	4.31	<0.05	0.02	0.05	0.013	0.02	6.9	9.5	0.13	51	0.32	0.02	1.23
125808		6.3	0.29	6.59	<0.05	0.02	0.03	0.014	0.04	26.6	1.1	0.06	19	0.18	0.02	0.07
125809		3.6	0.93	2.97	<0.05	<0.02	0.05	0.009	0.02	6.7	5.7	0.11	49	0.23	0.02	0.99
125810		16.8	1.00	3.05	<0.05	<0.02	0.08	0.013	0.03	18.2	10.4	0.30	117	0.16	0.04	0.62
125811		8.7	0.17	2.71	0.05	<0.02	0.04	0.010	0.02	39.5	0.4	0.03	13	0.20	0.02	0.05
125812		3.8	1.12	4.90	<0.05	<0.02	0.05	0.010	0.01	7.0	4.5	0.05	23	0.49	0.02	1.11
125813		4.8	2.45	9.77	<0.05	0.02	0.06	0.015	0.02	7.4	3.7	0.09	41	0.84	0.02	1.81
125814		4.1	0.13	4.24	<0.05	<0.02	0.02	0.009	0.01	12.2	0.2	0.02	9	0.13	0.01	<0.05
125815		5.0	0.59	3.81	<0.05	<0.02	0.03	0.009	0.02	8.0	2.5	0.10	32	0.31	0.02	0.78
125816		5.1	0.14	5.50	<0.05	<0.02	0.02	0.010	0.01	28.0	0.2	0.02	6	0.12	0.01	<0.05
125817		6.1	1.00	4.80	<0.05	<0.02	0.03	0.013	0.02	8.3	5.0	0.09	34	0.49	0.01	1.13
125818		15.0	1.48	4.70	<0.05	0.03	0.09	0.018	0.03	8.7	6.9	0.15	47	0.38	0.02	1.43
125819		34.5	3.01	5.89	<0.05	0.03	0.13	0.043	0.05	17.9	19.2	0.38	5480	1.80	0.02	0.72
125820		25.4	1.31	4.01	<0.05	0.06	0.17	0.021	0.04	21.1	11.9	0.32	242	0.21	0.02	0.58
125821		30.7	0.67	3.49	<0.05	0.03	0.36	0.021	0.04	21.7	9.1	0.24	134	0.17	0.02	0.56
125822		4.9	0.85	2.81	<0.05	<0.02	0.02	0.011	0.02	10.9	7.0	0.23	61	0.11	0.02	0.56
125823		10.5	0.46	4.00	<0.05	<0.02	0.07	0.017	0.03	9.3	2.4	0.06	20	0.44	0.02	0.47
125824		4.9	1.49	4.56	<0.05	0.02	0.05	0.015	0.03	8.7	8.5	0.19	89	0.40	0.02	1.29
125825		11.0	1.50	3.47	<0.05	0.02	0.04	0.014	0.03	8.9	7.5	0.29	176	0.29	0.02	1.12
125826		12.0	1.52	3.64	<0.05	<0.02	0.04	0.016	0.05	9.0	9.3	0.30	300	0.29	0.02	1.07
125827		4.9	1.17	3.01	<0.05	0.02	0.04	0.011	0.02	7.8	6.4	0.22	93	0.24	0.02	1.05
125828		2.8	1.10	3.80	<0.05	<0.02	0.05	0.011	0.02	7.0	6.2	0.13	50	0.29	0.02	1.03
125829		2.7	1.22	4.59	<0.05	0.02	0.03	0.013	0.02	7.4	8.2	0.08	35	0.30	0.02	1.24
125830		6.0	1.13	5.08	<0.05	<0.02	0.04	0.013	0.02	8.9	4.0	0.11	138	0.35	0.02	0.69



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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units LOD	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
125791		16.0	380	8.2	3.3	<0.001	0.10	0.13	1.3	0.2	0.4	12.1	<0.01	0.01	0.2	0.030
125792		25.8	270	5.7	3.1	<0.001	<0.01	0.06	3.3	<0.2	0.3	12.3	<0.01	0.01	2.3	0.041
125793		6.3	160	6.4	2.8	<0.001	0.04	0.08	0.9	0.2	0.5	5.1	<0.01	0.02	1.5	0.039
125794		66.6	320	6.9	2.7	<0.001	0.03	0.35	2.4	0.2	0.3	8.3	<0.01	0.01	1.2	0.037
125795		14.1	220	5.3	4.3	<0.001	0.02	0.05	1.4	0.2	0.4	6.7	<0.01	0.01	1.9	0.047
125796		16.2	280	7.1	4.4	0.001	0.04	0.06	1.7	0.4	0.4	6.4	<0.01	0.02	1.8	0.050
125797		13.0	240	8.1	4.8	<0.001	0.04	0.08	1.5	0.3	0.4	6.9	<0.01	0.02	1.8	0.040
125798		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125799		17.1	250	4.7	4.5	<0.001	0.03	0.05	1.6	0.2	0.3	7.3	<0.01	0.02	1.9	0.046
125800		22.6	240	7.9	6.8	<0.001	0.02	0.07	2.0	0.2	0.4	11.1	<0.01	0.02	2.2	0.042
125801		16.7	210	5.2	4.7	<0.001	0.03	0.05	1.6	0.2	0.4	7.7	<0.01	0.01	2.0	0.054
125802		6.5	200	9.8	3.8	<0.001	0.03	0.07	0.7	0.3	0.4	6.6	<0.01	0.02	0.3	0.012
125803		14.0	320	11.2	4.7	<0.001	0.02	<0.05	1.7	0.2	0.3	7.2	<0.01	0.01	2.0	0.042
125804		1.9	70	6.0	2.4	<0.001	0.02	0.07	0.4	<0.2	0.4	5.0	<0.01	0.02	1.3	0.017
125805		16.2	180	3.6	4.7	<0.001	0.02	<0.05	1.9	<0.2	0.3	10.6	<0.01	0.01	2.8	0.043
125806		10.6	210	5.0	4.8	<0.001	0.03	<0.05	1.6	0.3	0.4	6.6	<0.01	0.01	1.9	0.049
125807		11.6	260	5.1	4.3	<0.001	0.04	<0.05	1.5	0.3	0.4	6.6	<0.01	0.01	1.9	0.048
125808		4.5	220	7.9	7.1	<0.001	0.02	0.07	1.0	0.2	0.6	6.1	<0.01	0.01	0.8	<0.005
125809		9.4	190	3.7	4.1	<0.001	0.02	<0.05	1.3	0.2	0.3	5.5	<0.01	0.01	2.0	0.048
125810		17.4	570	4.3	6.3	<0.001	0.05	0.05	2.8	0.3	0.3	14.2	<0.01	0.01	0.9	0.031
125811		4.7	280	9.1	1.6	<0.001	0.04	0.08	0.3	0.2	0.5	4.2	<0.01	0.01	0.3	<0.005
125812		3.6	170	4.8	2.2	<0.001	0.03	0.06	0.9	0.3	0.5	4.7	<0.01	0.02	1.5	0.029
125813		5.5	260	6.9	2.6	<0.001	0.02	0.10	1.1	0.4	0.6	5.1	<0.01	0.03	1.9	0.060
125814		2.4	160	7.8	1.2	<0.001	0.01	0.06	0.1	<0.2	0.4	1.6	<0.01	0.01	<0.2	<0.005
125815		5.9	110	8.0	4.0	0.001	0.01	0.07	1.0	0.2	0.5	6.5	<0.01	0.02	1.2	0.035
125816		1.3	160	3.9	1.7	0.001	0.01	0.06	0.7	<0.2	0.5	1.4	<0.01	0.01	0.5	<0.005
125817		5.5	100	8.5	3.3	<0.001	0.01	0.07	1.0	0.2	0.5	5.9	<0.01	0.02	1.8	0.048
125818		18.3	240	9.1	3.9	0.001	0.03	0.10	1.7	0.4	0.5	8.1	<0.01	0.03	1.3	0.043
125819		36.2	710	20.6	10.0	0.014	0.07	0.23	3.0	0.9	0.8	17.5	<0.01	0.13	0.9	0.019
125820		20.9	1140	5.6	10.9	0.001	0.06	0.07	2.9	0.5	0.3	14.2	<0.01	0.02	0.9	0.013
125821		16.0	1260	5.4	6.3	0.001	0.10	0.09	1.2	0.8	0.3	15.8	<0.01	0.01	0.3	0.006
125822		13.5	220	4.9	5.0	<0.001	0.01	<0.05	1.6	<0.2	0.3	9.2	<0.01	0.01	1.9	0.020
125823		6.7	290	15.0	3.8	0.001	0.03	0.09	0.5	0.4	0.7	7.6	<0.01	0.02	<0.2	0.009
125824		13.6	210	5.3	5.5	<0.001	0.02	0.05	1.6	0.3	0.4	8.9	<0.01	0.01	1.9	0.052
125825		19.7	290	5.1	5.1	<0.001	0.01	0.06	1.8	0.2	0.3	11.2	<0.01	0.02	2.1	0.058
125826		21.3	380	6.7	7.4	<0.001	0.02	0.09	1.7	0.3	0.4	13.7	<0.01	0.03	1.6	0.050
125827		14.5	230	4.9	4.4	<0.001	0.01	<0.05	1.4	0.2	0.3	7.9	<0.01	0.01	2.0	0.052
125828		10.0	160	4.4	4.6	<0.001	0.01	<0.05	1.2	0.2	0.3	5.6	<0.01	0.01	1.9	0.042
125829		7.8	160	5.2	3.6	<0.001	0.01	<0.05	1.3	0.2	0.4	8.0	<0.01	0.01	2.1	0.041
125830		9.3	240	7.5	4.5	<0.001	0.01	0.14	1.1	0.3	0.6	5.3	<0.01	0.03	1.3	0.036



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Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
	Analyte Units LOD	TI	U	V	W	Y	Zn	Zr	Au	Ag	Al	As	B	Ba	Be	Bi
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.001
125791		0.04	0.83	16	0.06	4.87	12	<0.5								
125792		0.06	0.91	26	0.08	8.57	22	0.8								
125793		0.03	0.33	33	0.05	1.17	12	0.8								
125794		0.03	1.37	22	0.06	9.34	31	0.5								
125795		0.04	0.38	25	0.07	1.97	25	0.9								
125796		0.03	0.41	31	0.06	2.34	23	2.0								
125797		0.05	0.46	29	0.10	1.99	18	1.7								
125798		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0006	0.218	0.83	2.39	<10	58.4	0.24	0.255
125799		0.04	0.41	24	0.09	2.22	22	1.2								
125800		0.05	0.47	25	0.09	3.74	22	1.4								
125801		0.04	0.39	30	0.07	2.63	20	1.4								
125802		0.04	0.39	12	<0.05	2.04	22	<0.5								
125803		0.03	0.36	22	0.07	2.64	35	1.3								
125804		0.03	0.25	11	<0.05	0.88	9	<0.5								
125805		0.03	0.43	18	0.07	3.69	15	1.6								
125806		0.04	0.38	31	0.06	2.00	9	1.2								
125807		0.04	0.32	28	0.06	1.83	12	0.9								
125808		0.08	0.59	16	<0.05	1.76	10	0.8								
125809		0.04	0.36	22	0.07	1.63	11	0.8								
125810		0.07	2.57	20	0.06	8.31	30	<0.5								
125811		0.04	0.48	6	<0.05	1.25	9	<0.5								
125812		0.03	0.35	29	0.05	1.13	9	0.8								
125813		0.04	0.39	63	0.05	1.21	11	1.1								
125814		0.02	0.25	7	<0.05	0.79	4	<0.5								
125815		0.05	0.33	21	<0.05	1.33	7	0.6								
125816		0.04	0.57	14	<0.05	1.60	4	<0.5								
125817		0.03	0.39	27	<0.05	1.45	9	0.6								
125818		0.04	0.47	32	0.07	2.12	19	1.1								
125819		0.13	4.42	73	0.06	9.41	49	1.0								
125820		0.13	2.96	21	<0.05	14.95	59	1.7								
125821		0.09	4.90	13	<0.05	16.30	31	0.8								
125822		0.06	0.43	18	<0.05	2.77	17	0.5								
125823		0.07	0.60	11	<0.05	1.72	9	<0.5								
125824		0.05	0.39	28	0.06	2.23	21	0.7								
125825		0.03	0.44	30	0.08	2.65	17	0.9								
125826		0.05	0.41	28	0.07	2.65	20	0.6								
125827		0.03	0.32	25	0.07	1.98	20	0.7								
125828		0.04	0.33	23	<0.05	1.62	11	0.7								
125829		0.03	0.33	27	<0.05	1.52	17	1.3								
125830		0.06	0.39	34	<0.05	1.43	15	<0.5								



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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
125791 125792 125793 125794 125795		0.01	0.001	0.003	0.001	0.01	0.005	0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002
125796 125797 125798 125799 125800		0.15	0.323	15.60	4.35	20.7	0.679	14.50	0.480	3.69	0.027	0.009	0.080	0.018	0.03	7.56
125801 125802 125803 125804 125805																
125806 125807 125808 125809 125810																
125811 125812 125813 125814 125815																
125816 125817 125818 125819 125820																
125821 125822 125823 125824 125825																
125826 125827 125828 125829 125830																

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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L Li ppm	ME-MS41L Mg %	ME-MS41L Mn ppm	ME-MS41L Mo ppm	ME-MS41L Na %	ME-MS41L Nb ppm	ME-MS41L Ni ppm	ME-MS41L P %	ME-MS41L Pb ppm	ME-MS41L Pd ppm	ME-MS41L Pt ppm	ME-MS41L Rb ppm	ME-MS41L Re ppm	ME-MS41L S %	ME-MS41L Sb ppm
125791 125792 125793 125794 125795		0.1	0.01	0.1	0.01	0.001	0.002	0.04	0.001	0.005	0.001	0.002	0.005	0.001	0.01	0.005
125796 125797 125798 125799 125800		6.0	0.11	48.5	0.52	0.011	0.467	18.45	0.055	34.3	<0.001	<0.002	4.88	0.001	0.15	0.198
125801 125802 125803 125804 125805																
125806 125807 125808 125809 125810																
125811 125812 125813 125814 125815																
125816 125817 125818 125819 125820																
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Sample Description	Method Analyte Units LOD	ME-MS41L Sc ppm 0.005	ME-MS41L Se ppm 0.1	ME-MS41L Sn ppm 0.01	ME-MS41L Sr ppm 0.01	ME-MS41L Ta ppm 0.005	ME-MS41L Te ppm 0.01	ME-MS41L Th ppm 0.002	ME-MS41L Ti % 0.001	ME-MS41L Tl ppm 0.002	ME-MS41L U ppm 0.005	ME-MS41L V ppm 0.1	ME-MS41L W ppm 0.001	ME-MS41L Y ppm 0.003	ME-MS41L Zn ppm 0.1	ME-MS41L Zr ppm 0.01
125791 125792 125793 125794 125795																
125796 125797 125798 125799 125800		1.145	0.5	0.63	8.61	<0.005	0.02	0.396	0.030	0.058	0.503	16.7	0.198	3.01	21.2	0.22
125801 125802 125803 125804 125805																
125806 125807 125808 125809 125810																
125811 125812 125813 125814 125815																
125816 125817 125818 125819 125820																
125821 125822 125823 125824 125825																
125826 125827 125828 125829 125830																

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Sample Description	Method Analyte Units LOD	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
125831		0.21	0.001	0.10	1.46	1.7	10	20	0.27	0.15	0.05	0.07	11.85	3.0	26	0.39
125832		0.25	0.001	0.10	1.24	1.8	10	20	0.25	0.15	0.07	0.06	13.35	4.0	30	0.44
125833		0.17	0.001	0.05	1.11	4.0	10	30	0.26	0.26	0.08	0.11	16.60	4.2	35	0.69
125834		0.33	0.001	0.04	0.93	2.0	10	70	0.43	0.18	0.30	0.12	23.1	3.8	24	0.49
125835		0.15	0.002	0.24	0.70	13.1	20	170	0.74	0.16	1.74	0.76	53.9	6.5	23	0.38
125836		0.16	0.002	0.20	0.50	2.2	30	120	0.60	0.09	1.92	1.25	35.5	1.7	20	0.27
125837		0.21	0.002	0.16	0.58	3.2	20	90	0.71	0.06	1.82	0.68	41.8	4.0	15	0.12
125838		0.17	0.001	0.19	0.49	2.5	30	70	0.60	0.06	2.43	0.75	24.9	3.1	17	0.18
125839		0.15	0.002	0.32	0.90	2.7	20	100	0.53	0.12	1.57	1.03	43.0	4.8	26	0.43
125840		0.20	<0.001	0.29	0.42	13.5	20	120	0.41	0.46	1.69	1.25	29.3	12.5	14	0.30
125841		0.17	0.001	0.33	1.02	3.4	20	150	0.96	0.11	1.29	0.87	44.8	4.4	29	0.82
125842		0.13	0.001	0.15	0.58	1.9	20	80	0.46	0.27	0.23	0.36	23.8	5.6	17	0.56
125843		0.20	0.001	0.10	0.57	0.7	10	40	0.12	0.08	0.07	0.08	12.40	1.7	12	0.34
125844		0.15	0.001	0.02	0.40	2.5	10	10	<0.05	0.18	0.07	0.05	13.35	1.2	11	0.18
125845		0.17	0.001	0.11	0.60	1.5	<10	30	0.14	0.11	0.04	0.16	12.10	1.0	7	0.26
125846		0.20	0.004	0.07	1.10	2.1	10	10	0.17	0.14	0.04	0.07	12.80	1.5	18	0.27
125847		0.10	<0.001	0.09	0.56	1.1	10	60	0.18	0.18	0.05	0.42	11.50	1.4	5	0.23
125848		0.17	0.002	0.03	0.51	0.6	<10	10	<0.05	0.10	0.02	0.05	20.0	0.6	7	0.20
125849		0.11	0.001	0.03	0.65	2.4	10	30	0.09	0.25	0.07	0.14	11.90	1.2	5	0.26
125850		0.17	0.001	0.08	0.35	0.7	<10	10	<0.05	0.12	0.04	0.05	15.05	0.4	5	0.15
125851		0.24	<0.001	0.07	1.47	1.4	<10	30	0.28	0.07	0.06	0.04	12.20	4.1	25	0.49
125852		0.22	0.003	0.03	0.33	0.5	10	20	<0.05	0.08	0.08	0.03	13.10	0.7	7	0.28
125853		0.30	0.001	0.09	0.91	1.7	10	20	0.22	0.12	0.08	0.07	12.70	2.3	20	0.55
125854		0.27	0.001	0.06	0.70	2.1	<10	30	0.11	0.11	0.09	0.07	15.45	2.4	19	0.44
125855		0.23	0.001	0.10	1.94	1.6	10	40	0.40	0.08	0.08	0.06	13.75	5.4	30	0.52
125856		0.39	0.001	0.08	1.84	2.5	10	40	0.41	0.13	0.08	0.11	13.00	4.7	28	0.65
125857		0.34	0.001	0.06	1.18	2.8	<10	50	0.31	0.14	0.11	0.07	20.4	6.1	31	0.73
125858		0.43	0.001	0.14	1.32	2.9	<10	40	0.30	0.14	0.14	0.11	21.8	6.3	31	0.68
125859		0.28	0.002	0.07	1.52	2.0	10	40	0.32	0.09	0.11	0.08	18.05	5.7	30	0.62
125860		0.45	0.002	0.09	1.60	2.7	10	50	0.36	0.12	0.12	0.12	16.70	6.5	32	0.75
125861		0.16	0.001	0.14	1.37	1.3	10	30	0.24	0.09	0.09	0.06	12.25	1.9	19	0.43
125862		0.17	0.001	0.09	0.64	1.3	<10	40	0.15	0.13	0.10	0.10	13.90	3.1	16	0.44
125863		0.19	0.005	0.06	0.68	1.0	10	40	0.14	0.11	0.09	0.06	15.20	1.9	14	0.32
125864		0.13	<0.001	0.08	0.93	3.1	10	50	0.18	0.15	0.12	0.13	13.65	3.8	25	0.43
125865		0.19	<0.001	0.03	0.30	1.3	<10	20	0.05	0.09	0.06	0.03	14.60	0.9	8	0.25
125866		0.17	0.001	0.07	0.77	1.6	10	50	0.13	0.14	0.10	0.14	12.35	2.6	17	0.34
125867		0.20	0.001	0.08	1.46	1.9	10	30	0.29	0.09	0.11	0.04	21.6	5.8	31	0.43
125868		0.20	<0.001	0.04	1.24	1.5	10	40	0.26	0.11	0.10	0.05	13.35	4.6	28	0.47
125869		0.20	0.004	0.08	1.62	2.1	10	30	0.26	0.11	0.09	0.06	14.00	4.7	31	0.51
125870		0.10	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS



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To: COBALT RUSTY LAKE COBALT INC.
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 Finalized Date: 5-AUG-2018
 Account: MLGBDD

Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units LOD	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
125831		4.6	1.90	5.64	<0.05	0.02	0.04	0.014	0.02	5.9	6.6	0.11	48	0.42	0.01	1.34
125832		9.4	2.00	5.10	<0.05	0.06	0.04	0.015	0.02	6.5	7.2	0.18	65	0.44	0.02	1.39
125833		17.4	2.64	6.27	<0.05	0.04	0.05	0.020	0.03	8.4	7.2	0.21	79	0.84	<0.01	1.62
125834		18.7	0.92	4.39	<0.05	<0.02	0.05	0.016	0.02	14.1	8.3	0.20	240	0.51	0.02	0.71
125835		82.0	1.60	1.47	0.07	0.09	0.38	0.016	0.02	33.2	2.0	0.19	356	1.97	0.14	0.41
125836		64.0	0.89	0.84	0.05	0.10	0.29	0.013	0.01	27.8	0.9	0.22	160	0.84	<0.01	0.30
125837		56.8	0.61	0.67	0.05	0.08	0.17	0.009	0.01	31.0	0.5	0.16	416	0.78	0.22	0.26
125838		75.4	0.53	0.66	0.05	0.11	0.23	0.012	0.01	25.2	0.7	0.17	279	0.61	0.28	0.27
125839		52.3	0.63	1.66	0.06	0.06	0.38	0.021	0.02	24.0	1.9	0.15	343	0.85	0.10	0.48
125840		44.4	0.98	1.06	0.05	0.08	0.48	0.042	0.03	17.6	0.6	0.16	1980	0.99	0.26	0.27
125841		66.2	0.61	2.12	0.08	0.06	0.36	0.018	0.03	34.6	2.7	0.15	435	0.85	0.24	0.51
125842		20.7	0.60	2.97	<0.05	<0.02	0.11	0.022	0.03	12.4	2.5	0.11	204	0.56	0.14	0.64
125843		2.8	0.75	4.04	<0.05	<0.02	0.02	0.007	0.02	6.4	3.1	0.07	69	0.18	<0.01	0.91
125844		5.2	0.49	3.61	<0.05	<0.02	0.02	0.009	0.02	6.7	1.9	0.08	30	0.21	0.02	0.46
125845		20.3	0.57	2.69	<0.05	<0.02	0.08	0.011	0.02	6.4	0.6	0.03	27	0.32	0.02	0.28
125846		7.2	1.63	4.41	<0.05	0.02	0.05	0.017	0.02	6.7	3.0	0.08	34	0.37	<0.01	1.06
125847		33.2	0.42	3.82	<0.05	<0.02	0.05	0.018	0.02	6.1	0.4	0.02	42	0.25	0.01	0.21
125848		3.6	0.46	5.42	<0.05	<0.02	0.02	0.005	0.01	10.3	0.3	0.02	13	0.15	0.03	0.11
125849		13.0	0.72	8.74	<0.05	<0.02	0.03	0.014	0.02	6.1	0.7	0.03	35	0.40	0.01	0.24
125850		4.1	0.27	3.76	<0.05	<0.02	0.02	0.005	0.01	7.5	0.9	0.02	16	0.17	0.01	0.37
125851		3.3	1.49	3.94	<0.05	0.03	0.04	0.014	0.02	5.8	9.0	0.15	51	0.34	0.02	1.32
125852		3.6	0.49	3.08	<0.05	<0.02	0.01	<0.005	0.02	6.4	1.1	0.03	21	0.30	0.01	0.44
125853		4.9	1.64	4.90	<0.05	<0.02	0.04	0.013	0.02	6.5	10.1	0.10	49	0.50	0.02	1.37
125854		5.3	1.23	4.00	<0.05	<0.02	0.03	0.010	0.02	6.8	6.8	0.13	101	0.34	0.02	0.82
125855		3.5	1.53	3.94	<0.05	0.05	0.04	0.015	0.02	6.7	11.4	0.14	77	0.36	0.02	1.40
125856		7.1	1.86	5.13	<0.05	0.04	0.08	0.019	0.03	6.5	12.4	0.15	122	0.43	0.02	1.42
125857		8.4	2.14	4.74	<0.05	0.02	0.05	0.017	0.03	7.6	12.2	0.24	155	0.42	0.02	1.23
125858		11.0	1.75	3.66	<0.05	0.02	0.06	0.016	0.03	7.8	11.6	0.29	155	0.31	0.02	1.01
125859		5.8	1.36	3.38	<0.05	0.03	0.05	0.013	0.03	7.8	11.2	0.23	103	0.40	0.02	1.27
125860		10.0	1.98	4.51	<0.05	0.03	0.06	0.017	0.03	7.9	12.6	0.27	168	0.44	0.02	1.28
125861		3.9	1.41	4.89	<0.05	0.02	0.06	0.014	0.03	6.2	6.9	0.09	58	0.39	0.02	1.38
125862		6.3	0.85	3.87	<0.05	<0.02	0.03	0.011	0.03	7.0	6.4	0.14	202	0.32	0.02	0.76
125863		3.3	0.91	4.73	<0.05	<0.02	0.03	0.010	0.02	7.5	6.1	0.09	60	0.27	0.01	0.84
125864		4.7	1.92	7.12	<0.05	<0.02	0.05	0.016	0.03	7.0	7.3	0.11	281	0.47	0.02	1.50
125865		1.9	0.46	2.83	<0.05	<0.02	0.01	0.007	0.02	7.3	2.2	0.04	65	0.15	0.01	0.46
125866		7.5	0.73	2.99	<0.05	<0.02	0.07	0.011	0.02	6.3	4.3	0.10	246	0.27	0.02	0.41
125867		15.7	1.33	3.16	<0.05	0.04	0.04	0.014	0.02	7.9	8.5	0.22	87	0.30	0.02	1.29
125868		7.2	1.62	4.53	<0.05	0.03	0.04	0.014	0.02	6.2	10.8	0.16	75	0.36	0.02	1.23
125869		6.2	1.67	3.86	<0.05	0.05	0.06	0.016	0.02	6.3	10.1	0.14	58	0.41	0.02	1.42
125870		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS



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To: **ICOBALT RUSTY LAKE COBALT INC.**
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Total # Pages: 5 (A e G)
 Plus Appendix Pages
 Finalized Date: 5-AUG-2018
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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units LOD	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
125831		9.5	290	7.3	4.2	<0.001	0.01	0.08	1.3	0.3	0.5	4.6	<0.01	0.03	1.7	0.055
125832		11.7	180	5.9	3.9	<0.001	0.01	0.08	1.5	0.3	0.5	4.9	<0.01	0.03	2.3	0.051
125833		14.6	270	10.2	5.2	0.001	<0.01	0.18	1.7	0.4	0.6	6.4	<0.01	0.07	2.3	0.070
125834		13.9	220	9.5	4.0	0.001	0.02	0.06	1.6	0.2	0.4	12.8	<0.01	0.02	0.8	0.031
125835		12.6	900	7.9	1.7	0.004	0.36	0.17	4.2	1.9	0.2	41.0	0.01	0.03	1.3	0.016
125836		9.8	770	5.4	1.2	0.004	0.26	0.09	4.0	1.6	<0.2	37.8	0.01	0.03	1.4	0.011
125837		9.2	600	2.7	0.6	0.002	0.47	0.12	3.0	1.4	<0.2	39.7	0.01	0.02	0.9	0.008
125838		11.7	760	3.0	0.9	0.004	0.58	0.09	3.0	1.6	<0.2	36.2	0.01	0.01	1.0	0.008
125839		12.4	1490	10.5	2.1	0.004	0.44	0.13	3.2	1.9	0.2	35.3	<0.01	0.04	0.7	0.016
125840		15.8	1510	42.0	2.0	0.008	0.61	0.36	3.4	2.0	0.8	47.2	0.01	0.13	0.8	0.010
125841		13.5	1470	6.1	3.9	0.003	0.54	0.22	4.7	1.5	0.2	36.4	<0.01	0.02	0.7	0.018
125842		14.7	450	22.6	3.9	0.001	0.13	0.17	1.5	0.9	0.6	17.4	<0.01	0.02	0.9	0.037
125843		4.8	120	4.8	3.5	<0.001	<0.01	<0.05	0.7	0.2	0.4	5.9	<0.01	0.02	1.6	0.039
125844		5.4	180	11.2	1.6	<0.001	0.01	0.06	0.6	0.2	0.5	5.1	<0.01	0.02	0.6	0.032
125845		3.3	320	10.6	1.8	0.001	0.04	0.08	0.1	0.4	0.4	4.2	<0.01	0.02	<0.2	0.006
125846		5.5	250	10.1	1.8	<0.001	0.01	0.09	1.0	0.4	0.4	3.2	<0.01	0.02	1.4	0.027
125847		4.4	230	27.0	1.6	0.001	0.01	0.09	0.2	0.3	0.7	5.7	<0.01	0.01	<0.2	<0.005
125848		1.4	90	5.2	1.2	0.001	0.02	0.07	0.3	<0.2	0.5	2.3	<0.01	0.01	0.2	0.011
125849		2.8	140	21.8	2.6	0.001	0.01	0.17	0.5	0.2	1.0	3.3	<0.01	0.03	0.3	0.011
125850		1.4	90	9.6	1.0	<0.001	0.01	0.05	0.5	<0.2	0.5	4.0	<0.01	0.01	1.2	0.021
125851		12.1	190	4.6	2.8	<0.001	0.02	<0.05	1.5	0.2	0.4	4.6	<0.01	0.01	1.8	0.047
125852		1.9	50	5.2	4.0	<0.001	<0.01	<0.05	0.6	<0.2	0.4	6.0	<0.01	0.02	1.5	0.034
125853		7.0	180	6.1	4.3	<0.001	0.01	0.06	1.1	0.2	0.5	6.7	<0.01	0.02	1.5	0.058
125854		7.7	310	4.9	4.8	<0.001	0.01	0.09	1.1	0.3	0.4	7.1	<0.01	0.03	1.4	0.041
125855		18.7	340	4.6	4.0	<0.001	0.02	<0.05	1.7	0.3	0.3	6.3	<0.01	0.02	2.2	0.048
125856		15.7	690	7.2	4.8	<0.001	0.03	0.10	1.4	0.5	0.5	6.9	<0.01	0.04	1.5	0.041
125857		14.6	570	6.1	6.5	<0.001	0.02	0.09	1.6	0.4	0.5	8.4	<0.01	0.03	1.7	0.051
125858		19.5	440	6.6	5.6	<0.001	0.02	0.10	1.7	0.4	0.4	9.4	<0.01	0.03	1.6	0.048
125859		19.7	370	5.1	4.5	<0.001	0.02	0.07	1.7	0.4	0.3	8.4	<0.01	0.03	2.3	0.054
125860		18.6	490	7.1	6.0	<0.001	0.03	0.08	1.8	0.4	0.4	8.7	<0.01	0.03	1.4	0.052
125861		7.1	300	6.4	2.8	<0.001	0.03	0.05	1.1	0.4	0.4	6.6	<0.01	0.02	1.1	0.041
125862		9.3	180	6.7	6.5	<0.001	0.01	0.06	0.9	0.2	0.5	8.9	<0.01	0.02	0.9	0.039
125863		5.8	170	5.5	5.4	<0.001	0.01	0.05	1.0	0.2	0.4	7.4	<0.01	0.02	1.7	0.035
125864		8.1	590	8.1	4.1	<0.001	0.02	0.12	1.1	0.4	0.6	9.0	<0.01	0.07	1.2	0.057
125865		2.6	230	5.3	3.3	<0.001	0.01	0.06	0.5	0.2	0.4	5.5	<0.01	0.02	1.1	0.026
125866		8.5	260	8.6	3.6	<0.001	0.02	0.10	0.7	0.3	0.4	6.8	<0.01	0.02	0.4	0.015
125867		18.5	290	6.3	3.3	<0.001	0.02	0.05	1.7	0.4	0.3	6.5	<0.01	0.02	2.1	0.049
125868		13.4	200	5.7	4.2	<0.001	0.02	0.06	1.4	0.3	0.4	7.4	<0.01	0.02	1.8	0.045
125869		14.2	220	6.0	3.3	<0.001	0.02	0.07	1.6	0.4	0.4	7.1	<0.01	0.03	1.9	0.045
125870		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS



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Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.001
125831		0.04	0.32	44	0.07	1.35	15	1.0								
125832		0.04	0.42	48	0.12	1.46	14	2.6								
125833		0.06	0.55	61	0.23	1.71	16	2.0								
125834		0.04	0.70	24	0.07	6.51	10	<0.5								
125835		0.06	3.79	42	0.23	23.8	12	3.6								
125836		0.06	2.91	30	0.07	19.40	55	4.2								
125837		0.05	2.65	27	0.05	20.8	38	3.0								
125838		0.07	3.09	21	<0.05	19.25	44	4.1								
125839		0.07	2.78	22	<0.05	16.40	48	1.7								
125840		0.11	1.55	16	<0.05	13.10	39	2.3								
125841		0.09	2.74	22	<0.05	25.3	32	1.4								
125842		0.06	0.44	15	0.05	4.43	15	<0.5								
125843		0.02	0.23	18	<0.05	1.12	15	<0.5								
125844		0.03	0.27	15	<0.05	1.00	11	<0.5								
125845		0.03	0.54	17	<0.05	1.40	14	<0.5								
125846		0.03	0.33	29	<0.05	1.42	16	0.8								
125847		0.04	0.37	14	<0.05	1.57	22	<0.5								
125848		0.04	0.32	20	<0.05	0.90	6	<0.5								
125849		0.05	0.19	42	<0.05	0.80	14	<0.5								
125850		0.03	0.22	15	<0.05	0.89	7	<0.5								
125851		0.03	0.30	27	0.06	1.75	12	1.6								
125852		0.03	0.22	33	<0.05	0.83	8	0.6								
125853		0.04	0.31	40	0.11	1.44	21	0.8								
125854		0.03	0.31	27	0.09	1.34	26	<0.5								
125855		0.04	0.33	27	0.07	1.78	33	2.1								
125856		0.05	0.37	33	0.09	1.72	29	1.3								
125857		0.04	0.50	33	0.10	2.23	22	0.9								
125858		0.04	0.49	32	0.10	2.46	24	0.9								
125859		0.04	0.43	25	0.09	2.22	30	1.3								
125860		0.04	0.46	38	0.09	2.55	35	0.9								
125861		0.03	0.28	25	0.05	1.54	17	0.6								
125862		0.04	0.30	19	0.05	1.40	22	<0.5								
125863		0.03	0.31	22	<0.05	1.44	23	0.5								
125864		0.04	0.28	41	0.08	1.39	51	0.5								
125865		0.03	0.22	13	<0.05	1.00	11	<0.5								
125866		0.06	0.25	18	<0.05	1.24	23	<0.5								
125867		0.04	0.36	25	0.07	2.39	17	1.5								
125868		0.04	0.34	32	0.08	1.53	18	1.4								
125869		0.05	0.37	30	0.08	1.59	11	1.9								
125870		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0033	0.095	0.31	2.13	<10	51.7	0.20	0.137



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Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La
		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
125831		0.01	0.001	0.003	0.001	0.01	0.005	0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002
125832																
125833																
125834																
125835																
125836																
125837																
125838																
125839																
125840																
125841																
125842																
125843																
125844																
125845																
125846																
125847																
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125849																
125850																
125851																
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125853																
125854																
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125860																
125861																
125862																
125863																
125864																
125865																
125866																
125867																
125868																
125869																
125870		0.72	0.207	8.25	2.01	8.02	0.141	16.70	0.490	0.715	0.045	0.006	0.151	0.013	0.01	5.81

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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L Li ppm 0.1	ME-MS41L Mg % 0.01	ME-MS41L Mn ppm 0.1	ME-MS41L Mo ppm 0.01	ME-MS41L Na % 0.001	ME-MS41L Nb ppm 0.002	ME-MS41L Ni ppm 0.04	ME-MS41L P % 0.001	ME-MS41L Pb ppm 0.005	ME-MS41L Pd ppm 0.001	ME-MS41L Pt ppm 0.002	ME-MS41L Rb ppm 0.005	ME-MS41L Re ppm 0.001	ME-MS41L S % 0.01	ME-MS41L Sb ppm 0.005
125831																
125832																
125833																
125834																
125835																
125836																
125837																
125838																
125839																
125840																
125841																
125842																
125843																
125844																
125845																
125846																
125847																
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125849																
125850																
125851																
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125854																
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125856																
125857																
125858																
125859																
125860																
125861																
125862																
125863																
125864																
125865																
125866																
125867																
125868																
125869																
125870		1.1	0.10	24.1	0.68	0.033	0.167	11.50	0.049	10.65	0.002	<0.002	0.929	0.002	0.32	0.204

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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
125831		0.005	0.1	0.01	0.01	0.005	0.01	0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
125832																
125833																
125834																
125835																
125836																
125837																
125838																
125839																
125840																
125841																
125842																
125843																
125844																
125845																
125846																
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125854																
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125856																
125857																
125858																
125859																
125860																
125861																
125862																
125863																
125864																
125865																
125866																
125867																
125868																
125869																
125870		1.320	0.7	0.32	36.4	<0.005	0.03	0.182	0.010	0.017	0.318	6.9	0.052	3.24	13.5	0.26

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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.1	1	0.05	
125871		0.09	0.001	0.18	0.34	0.8	20	70	0.23	0.03	1.48	0.19	19.20	1.3	4	0.06
125872		0.12	<0.001	0.09	0.15	3.1	20	40	0.08	0.17	0.83	0.38	3.26	0.9	3	0.05
125873		0.10	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125874		0.12	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125875		0.18	0.001	0.03	1.43	2.0	<10	20	0.20	0.13	0.05	0.10	13.80	2.7	29	0.33
125876		0.16	0.001	0.03	1.61	1.5	10	20	0.27	0.11	0.05	0.07	13.15	2.8	26	0.32
125877		0.16	0.001	0.01	0.37	0.7	10	10	<0.05	0.11	0.03	0.03	12.40	0.4	8	0.22
125878		0.12	0.002	0.09	0.91	1.1	10	20	0.13	0.12	0.05	0.06	12.65	1.4	15	0.31
125879		0.21	0.001	0.04	0.96	2.5	10	30	0.15	0.21	0.07	0.12	12.05	2.7	34	0.56
125651		0.20	0.002	0.19	1.89	2.1	10	40	0.24	0.09	0.13	0.19	12.50	4.0	26	0.78
125652		0.23	0.001	0.12	1.19	2.3	10	30	0.21	0.10	0.12	0.12	14.30	4.9	25	0.64
125653		0.28	0.001	0.07	1.76	2.6	10	80	0.52	0.12	0.23	0.04	22.7	8.3	38	0.89
125654		0.31	0.001	0.24	1.74	3.3	10	130	0.85	0.10	0.34	0.11	36.3	8.0	43	0.91
125655		0.31	0.001	0.11	1.02	1.5	10	60	0.33	0.08	0.29	0.08	22.8	4.9	30	0.70
125656		0.27	0.001	0.06	0.95	1.7	10	30	0.31	0.06	0.19	0.03	22.7	4.1	28	0.40
125657		0.16	0.003	0.19	1.07	3.7	10	90	0.85	0.14	0.29	0.16	36.7	5.5	23	0.93



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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
125871		23.7	0.25	0.37	<0.05	0.02	0.19	<0.005	0.01	12.6	0.3	0.14	50	0.54	0.09	0.14
125872		16.0	0.14	0.31	<0.05	<0.02	0.21	0.011	0.02	2.0	0.2	0.07	23	0.36	0.10	0.08
125873		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125874		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125875		6.3	1.60	5.18	<0.05	0.07	0.07	0.016	0.02	6.6	5.9	0.11	39	0.47	0.02	1.60
125876		6.3	1.40	4.32	<0.05	0.07	0.06	0.014	0.02	6.2	8.1	0.11	37	0.38	0.02	1.50
125877		2.3	0.56	3.71	<0.05	<0.02	0.02	0.006	0.01	6.1	2.1	0.03	16	0.23	0.01	0.66
125878		3.3	0.83	4.08	<0.05	<0.02	0.04	0.011	0.02	6.3	5.7	0.06	25	0.25	0.02	0.93
125879		6.2	2.71	8.92	<0.05	0.06	0.04	0.017	0.02	5.8	9.7	0.12	127	0.86	0.02	2.28
125651		18.0	2.32	5.23	<0.05	0.05	0.13	0.020	0.03	6.4	11.9	0.17	187	0.57	0.02	1.35
125652		6.9	1.68	4.22	<0.05	0.02	0.06	0.015	0.03	7.0	8.6	0.19	108	0.32	0.02	1.28
125653		25.0	1.55	4.77	<0.05	0.02	0.03	0.017	0.05	11.8	20.5	0.38	124	0.24	0.02	1.11
125654		34.6	1.20	3.75	0.06	0.05	0.09	0.016	0.05	23.4	18.8	0.37	274	0.38	0.02	0.50
125655		13.2	1.17	3.86	<0.05	<0.02	0.03	0.012	0.03	10.8	13.8	0.30	206	0.27	0.02	0.71
125656		7.1	1.32	3.04	<0.05	<0.02	0.02	0.010	0.02	8.9	7.3	0.26	88	0.27	0.01	0.82
125657		55.0	1.18	3.95	0.06	0.03	0.03	0.013	0.05	32.7	10.0	0.17	82	0.33	0.01	0.96

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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method	Analyte	Units	LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43			
					Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
					ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
					0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
125871					5.2	470	2.4	0.4	0.001	0.40	0.11	3.0	0.9	<0.2	54.7	<0.01	0.03	0.5	0.006
125872					10.3	520	15.2	0.4	0.007	0.39	0.28	0.6	1.4	0.3	32.1	<0.01	0.03	<0.2	<0.005
125873					NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125874					NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
125875					8.9	180	7.2	2.4	<0.001	0.02	0.09	1.6	0.3	0.5	4.2	<0.01	0.03	2.8	0.060
125876					9.8	180	6.0	2.2	0.001	0.03	0.06	1.6	0.3	0.4	4.8	<0.01	0.03	2.2	0.047
125877					2.1	70	5.4	1.6	<0.001	0.01	0.05	0.5	<0.2	0.4	3.5	<0.01	0.02	1.8	0.032
125878					6.1	140	6.9	2.4	<0.001	0.02	0.07	0.9	0.2	0.4	5.1	<0.01	0.02	1.6	0.026
125879					6.8	290	8.5	5.7	<0.001	0.02	0.10	1.5	0.3	0.8	6.9	<0.01	0.05	2.4	0.107
125651					11.6	730	6.8	4.3	<0.001	0.04	0.09	2.1	0.8	0.4	7.4	<0.01	0.04	1.3	0.042
125652					13.9	400	5.5	5.0	<0.001	0.02	0.07	1.3	0.4	0.4	8.4	<0.01	0.03	1.3	0.049
125653					34.8	250	6.9	6.5	<0.001	0.01	0.05	2.6	0.2	0.4	14.7	<0.01	0.01	1.7	0.055
125654					31.0	880	5.6	7.2	0.001	0.04	0.07	2.8	0.5	0.4	19.0	<0.01	0.02	0.6	0.023
125655					19.1	250	4.3	6.2	<0.001	0.01	<0.05	1.9	0.2	0.3	13.0	<0.01	0.01	1.0	0.045
125656					18.5	260	3.8	3.7	<0.001	0.01	<0.05	1.3	0.2	0.3	8.4	<0.01	0.01	1.2	0.048
125657					15.9	220	8.1	6.3	<0.001	0.02	0.05	2.8	0.2	0.4	16.0	<0.01	0.02	1.4	0.033

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To: COBALT RUSTY LAKE COBALT INC.
 C/O LAVERY, DE BILLY LLP SUITE 4000
 1 PLACE VILLE MARIE
 MONTREAL QC H3B 4M4

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 Plus Appendix Pages
 Finalized Date: 5-AUG-2018
 Account: MLGBDD

Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.001
125871		0.02	0.69	4	<0.05	6.34	9	0.6								
125872		<0.02	0.18	2	<0.05	1.35	17	<0.5								
125873		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0022	0.079	0.11	4.05	<10	24.1	0.05	0.401
125874		NSS	NSS	NSS	NSS	NSS	NSS	NSS	0.0025	0.131	0.23	3.41	<10	63.0	0.14	0.201
125875		0.03	0.39	40	0.08	1.49	10	2.8								
125876		0.03	0.38	31	0.07	1.58	13	2.7								
125877		0.03	0.20	21	<0.05	0.75	5	0.6								
125878		0.04	0.25	20	<0.05	1.12	12	0.8								
125879		0.06	0.45	66	0.15	1.29	26	3.1								
125651		0.05	0.33	44	0.08	1.69	83	1.6								
125652		0.04	0.30	31	0.07	1.61	33	0.7								
125653		0.06	0.60	30	0.06	5.64	27	0.7								
125654		0.09	1.66	25	0.06	15.30	48	1.0								
125655		0.04	0.59	25	<0.05	5.94	25	<0.5								
125656		0.03	0.42	23	0.06	4.87	15	<0.5								
125657		0.05	0.94	25	0.08	17.85	19	1.1								

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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L Ca %	ME-MS41L Cd ppm	ME-MS41L Ce ppm	ME-MS41L Co ppm	ME-MS41L Cr ppm	ME-MS41L Cs ppm	ME-MS41L Cu ppm	ME-MS41L Fe %	ME-MS41L Ga ppm	ME-MS41L Ge ppm	ME-MS41L Hf ppm	ME-MS41L Hg ppm	ME-MS41L In ppm	ME-MS41L K %	ME-MS41L La ppm
125871		0.01	0.001	0.003	0.001	0.01	0.005	0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002
125872																
125873		0.52	1.235	1.840	2.35	3.57	0.101	25.5	0.146	0.406	0.060	0.007	0.162	0.018	0.05	1.105
125874		0.48	0.392	3.80	3.81	4.09	0.042	12.30	0.480	0.559	0.099	<0.002	0.199	0.026	0.03	2.01
125875																
125876																
125877																
125878																
125879																
125651																
125652																
125653																
125654																
125655																
125656																
125657																

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CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L Li ppm	ME-MS41L Mg %	ME-MS41L Mn ppm	ME-MS41L Mo ppm	ME-MS41L Na %	ME-MS41L Nb ppm	ME-MS41L Ni ppm	ME-MS41L P %	ME-MS41L Pb ppm	ME-MS41L Pd ppm	ME-MS41L Pt ppm	ME-MS41L Rb ppm	ME-MS41L Re ppm	ME-MS41L S %	ME-MS41L Sb ppm
		0.1	0.01	0.1	0.01	0.001	0.002	0.04	0.001	0.005	0.001	0.002	0.005	0.001	0.01	0.005
125871																
125872																
125873		0.2	0.06	14.2	0.38	0.039	0.050	18.00	0.077	36.1	0.001	<0.002	2.23	0.006	0.50	0.491
125874		0.2	0.08	9.9	0.37	0.044	0.057	15.90	0.077	23.2	<0.001	<0.002	0.969	0.003	0.52	0.586
125875																
125876																
125877																
125878																
125879																
125651																
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125656																
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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

Sample Description	Method Analyte Units LOD	ME-MS41L Sc ppm	ME-MS41L Se ppm	ME-MS41L Sn ppm	ME-MS41L Sr ppm	ME-MS41L Ta ppm	ME-MS41L Te ppm	ME-MS41L Th ppm	ME-MS41L Ti %	ME-MS41L Tl ppm	ME-MS41L U ppm	ME-MS41L V ppm	ME-MS41L W ppm	ME-MS41L Y ppm	ME-MS41L Zn ppm	ME-MS41L Zr ppm
125871		0.005	0.1	0.01	0.01	0.005	0.01	0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
125872																
125873		0.363	1.7	0.89	22.7	<0.005	0.03	0.026	0.002	0.044	0.096	2.5	0.061	0.733	20.5	0.14
125874		0.557	1.1	0.58	35.8	<0.005	0.02	0.052	0.004	0.045	0.152	3.3	0.044	1.425	25.3	0.11
125875																
125876																
125877																
125878																
125879																
125651																
125652																
125653																
125654																
125655																
125656																
125657																

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Project: Rusty Lake

CERTIFICATE OF ANALYSIS SD18179561

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

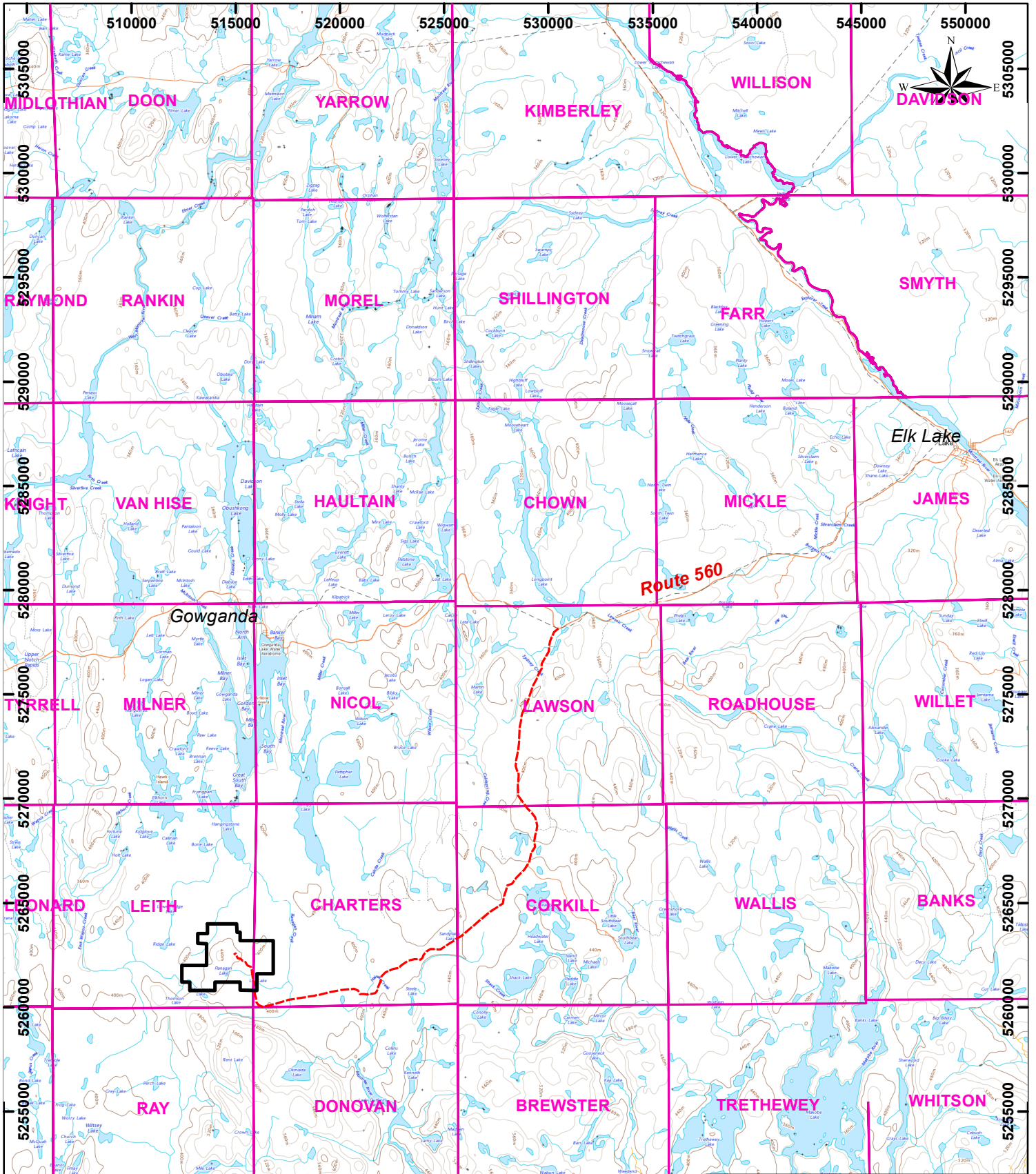
Applies to Method: NSS is non-sufficient sample.
ALL METHODS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41L

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-TL43 ME-MS41L



Route 560



Legend

- - - Pre-existing Trail
- Township
- Rusty Lake Property

0 2 4 6 8
Kilometers

1:250,000

UTM ZONE 17 NAD 83

iCobalt Rusty Lake Cobalt Inc.

DC Dahrouge Geological Consulting Ltd.
Edmonton, Alberta

RUSTY LAKE PROPERTY
GOWGANDA, ONTARIO

Rusty Lake Property

AM 2017.06