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TECHNICAL REPORT
DIAMOND DRILLING
JUNO PROPERTY,
GREATER COBALT PROJECT

March 3, 2021

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SUMMARY

This report was prepared and submitted by geoscientists employed by First Cobalt Corp; parent company to Cobalt Industries of Canada Ltd. who hold the mining claim rights where diamond drilling was conducted.

Diamond drilling was conducted at the Juno Property from September 10 to 13, 2018, for a total of four (4) days. A total of six (6) diamond drill holes were drilled (most of which were oriented holes), geoteched, logged, sampled, split or cut, and geochemically analysed for precious and base metals mineralization. In total, 519m of core was drilled. The objective of the drilling program was to determine if silver-cobalt mineralization exists as strike extensions to the known vein system or in the wall rocks where mineralization was historically mined. Drilling was supervised by First Cobalt Corp geologists and conducted by Laframboise Drilling Ltd. from Earlton, Ontario.

The main access to the area is by Kerr Lake Road from the town of Cobalt, Ontario, then individual drill sites were accessed by establishing new drill trails. The trail and drilling site were cleared by a feller buncher (operated by Laframboise Drilling Ltd.) and useable timber was piled along the drill trail for public use. Post drilling, the drill site was levelled and seeded. All collar casings were removed from the holes.

All spatial data contained in this report reflect a Universal Trans Mercator system using North American Datum83 Zone 17. Collar co-ordinates were measured post drilling using a differential GPS unit.

Drill logs are provided in the Appendix along with geochemical assay results from samples submitted to ALS Canada Ltd. and analysed in North Vancouver, British Columbia.

Drilling encountered a few small veins containing cobalt and silver minerals confirmed by geochemical assay data. It is concluded that historic mining had extracted the most significant mineralization leaving little for further exploitation. No exploration follow up is recommended for the immediate area.

Location, Access and Ownership

The Juno property is located within Coleman Township, approximately 2.5 km southeast of the Town of Cobalt. The property lies within the Larder Lake Mining Division, within Provincial Grid cell numbers 31M05G175, 31M05G174, 31M05G155, and 31M05G154. The property claim numbers are 183690, 109138, 251716, and 132275 (corresponding to legacy claim 4217615). The drill holes were all drilled on claim 183690. The claims are held entirely (100%) by Cobalt Industries of Canada Inc. (a subsidiary of First Cobalt Corp.). Surface rights are held by a private surface rights holder, from whom access to the property was granted.

Access to the property is via Kerr Lake Road, a seasonally maintained gravel road which can be driven by truck. Access to Kerr Lake Road, from the Town of Cobalt, is via Lang Street.

Figure 1 shows the location of the property relative to the nearby towns of Cobalt and Haileybury.

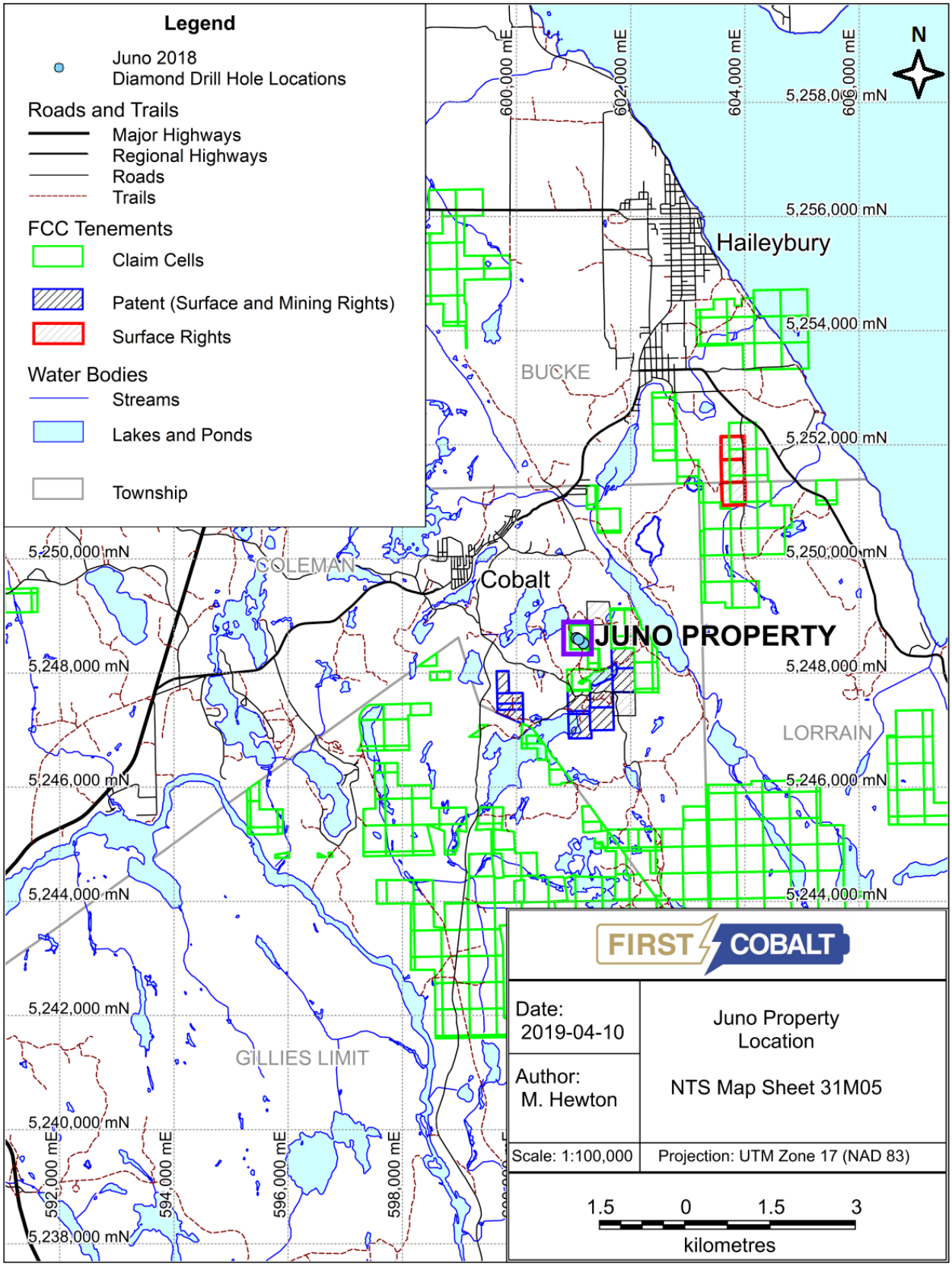

Figure 1. Location of the Juno Property in Coleman Township, Larder Lake Mining Division.

Property History and Previous Work

The exploration history of the Juno property is summarized below (Table 1) based on online Government of Ontario assessment files, MDI files, historical Ontario Resident Geologist notes on file at the District Geologist's office in Kirkland Lake, and OGS publications MRC 10 Thomson (1961).

Table 1. Summary of property history and previous work.

Year	Assessment File/MDI Reference	Operator	Description
1909 - 1915	Thomson, 1961; Sergiades, 1968	Reliance Silver Mines Limited	Staking and prospecting.
1916 - 1922	Thomson, 1961; Sergiades, 1968	Peterson Lake Silver Cobalt Mining Co.	Leased to Peterson Lake Silver Cobalt Mining Co, Reliance Leasing, Shaw and Dean, and Hermo Mining Co Ltd. Underground workings consisting of two shafts and an adit, with levels worked at 53, 143, and 207 feet deep. Production of 46,391 oz silver.
1952 - 1955	Thomson, 1961; Sergiades, 1968	Juno Metals Corp	Deepening of the No. 1 shaft, lateral underground workings, surface and underground diamond drilling
1956	Thomson, 1961	Cobally Mines and Refiners Ltd.	Minor work.
1968	Sergiades, 1968	Juno Metals Corporation	Minor work.
2009	AFRI 20000003881	CJP Exploration Inc	1.4 line km of ground magnetometer surveying

Sergiades (1968) reported production of 46,391 oz Ag (at a grade of 17 oz/ton) between 1918 to 1922. No cobalt production numbers have been reported. Thomson (1961) reports that production was obtained from a group of small veins which were intercepted by the Number 1 shaft and the overall grade of silver was low. The veins tended to be little more than fractures less than an inch wide. Several other narrow fracture-type veins with limited extent were discovered during underground work and surface trenching, however, none were deemed to be of economic interest at the time. Thomson (1961) reports that a vein, known as the Juno Metals vein, was discovered in association with the northeast-trending Juno Metals fault located in the southeast corner of the claim. The vein zone was comprised of irregular discontinuous calcite veins up to a width of 2.5 feet across, and mineralization also occurred beyond this as scattered veinlets up to an inch wide. The vein zone hosted galena, chalcopyrite, sphalerite, and pyrite, but no cobalt or nickel minerals. An assay sample of galena-rich ore from the vein returned 27.6 oz silver (Thomson, 1961).

Geological Setting

Archean Keewatin rocks are the oldest rocks in the Cobalt Camp and form the southernmost portion of the Western Abitibi sub-province of the Superior Province (Ruzicka and Thorpe, 1996). These rocks include predominantly intermediate to mafic metavolcanic flows with intercalated metasedimentary rocks. The Archean rocks were folded and intruded by mafic to ultramafic dikes and granite stocks and batholiths. The eroded Archean surface is unconformably overlain by relatively flat lying Paleoproterozoic sedimentary rocks of the Huronian Supergroup which forms the mildly deformed Cobalt Embayment of the Southern Province. At the northeast edge of the Cobalt Embayment in the Cobalt area, the Huronian Supergroup rocks comprise only the Cobalt Group (Gowganda and Lorrain formations) and are commonly found filling interpreted paleo-valleys or troughs in the Archean basement. Early Proterozoic-age Nipissing Diabase intrudes both the Archean basement and the Huronian sediments. The Nipissing Diabase are the most abundant and widespread igneous rocks intruding the Huronian Supergroup sediments and occur as dykes, and sills up to several hundred metres thick. In the Cobalt area, the Nipissing diabase is interpreted as a thick undulating sheet intruding the Cobalt Group sediments at or immediately above the Archean unconformity (Lightfoot et al., 1993).

The Cobalt Camp is the type locality of arsenide silver-cobalt vein deposits (Kissin, 1992). The Greater Cobalt project area contains several known deposits, historically mined, which have been targeted for their cobalt potential. Arsenide silver-cobalt vein deposits are localized in areas affected by basinal subsidence and rifting and are spatially related to regional fault systems and closely associated with intrusions of mafic rocks. The arsenide silver-cobalt vein deposits in the Cobalt Camp are associated with Aphebian conglomerate, quartzite, and greywacke rocks of the Cobalt Group (Coleman Member of the Gowganda Formation), as well as with major sill-like bodies of Nipissing diabase and with Archean mafic and intermediate lavas and intercalated pyroclastic and sedimentary rocks. Distribution of the silver-cobalt veins in the Cobalt Camp is controlled by the contact between the Nipissing diabase sheets and the rocks of the Cobalt Group (Gowganda Formation) and to a lesser extent the Archean metavolcanic and metasedimentary rocks (Andrews et al., 1986). The veins occur in the diabase and in the Aphebian and Archean rocks within about 200 m of their contact with the diabase.

The Juno property covers a thick package of Nipissing Diabase at surface (Figure 3). To the immediate north, an exposed window of Archean metavolcanic rocks is present. The volcanic rocks have been mapped dipping south below the Nipissing Diabase. Veining on the property is generally zones of narrow, continuous carbonate veins with some local cobalt-bearing minerals hosted by Nipissing Diabase. Historic veining in the area typically strikes northwest-southeast and is subvertically dipping.

Exploration Permit

Permission for drilling on the Juno Property (application submitted under legacy claim 4217615) was received on April 18, 2018 under Exploration Permit PR-18-11283. Legacy claim 4217615 was converted to provincial cell claims 183690, 109138, 132275, and 251716. Figure 2 shows the boundaries of the current active claim cells and of permit PR-18-11283, which covered the entire area of drilling and trail construction.

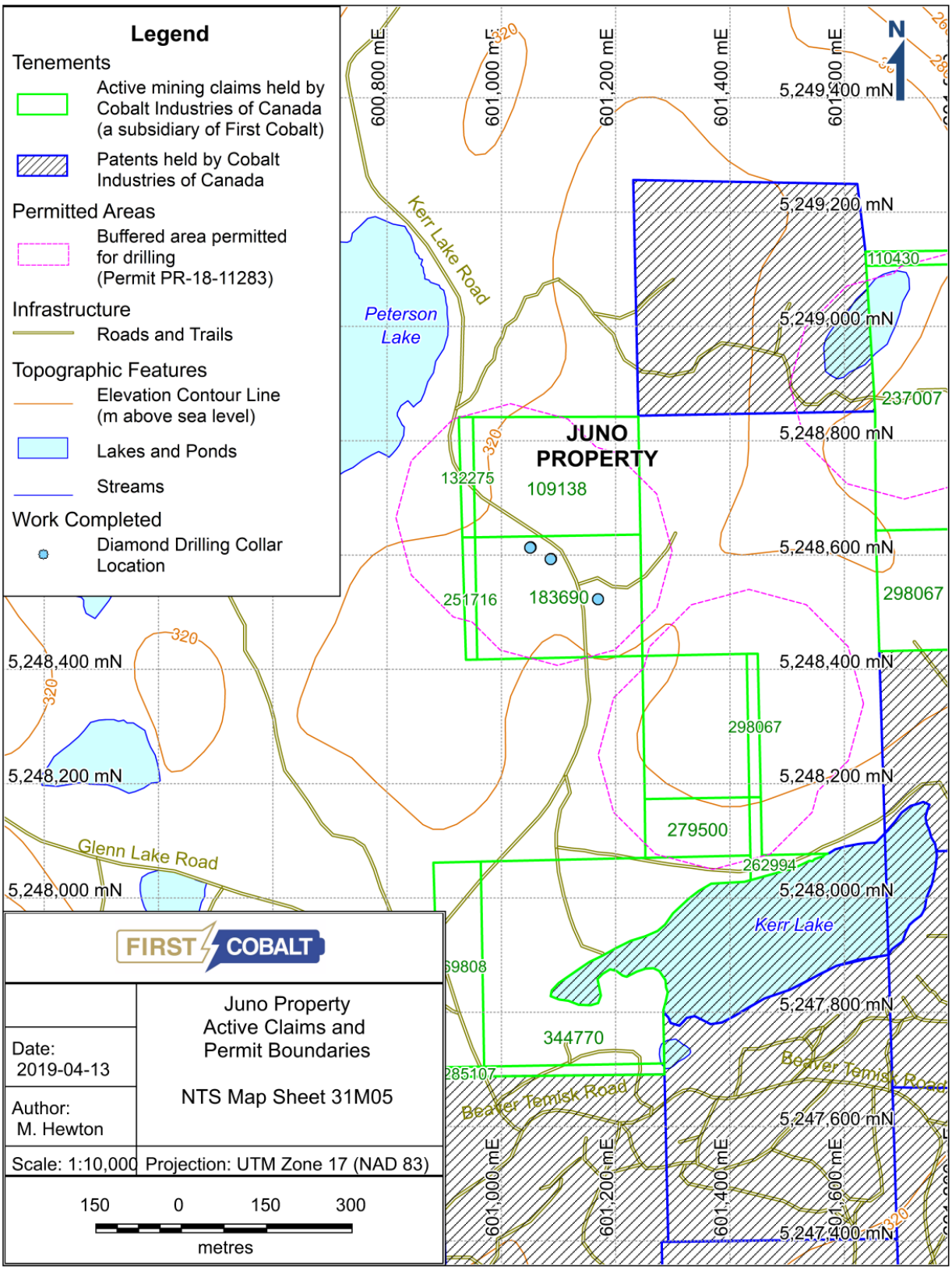

Figure 2. Active claims held by Cobalt Industries of Canada Inc (a subsidiary of First Cobalt) and areas permitted for drilling (under permit PR-18-11283).

Drilling Details

Six diamond drill holes tested the area around historic workings in the Juno area. All holes were collared on claim 183690 and do not extend outside of it. See figure 3 for a map of drillhole and collar locations.

Historic mineralization in the area was the principial target of this drill program, following up on known veins and workings that had been 3D modeled using Geoscience Analyst, as well as targeting the projected intercept of a known fault and historic mineralization. Drilling was conducted at three sites between 40-100m apart. One steep hole and one shallow hole was drilled at each pad. Orientation is orthogonal to the trend of the structure(s) targeted to determine the dip at continuity of structures intercepted.

Laframboise Drilling Ltd mobilized to the Juno property from nearby Kerr Lake on September 3rd, 2018 demobilized on September 13th, 2018. In this time, six diamond drill holes (NQ diameter) were drilled on the Juno Property, totaling 522.0m. Table 1 summarizes the diamond drill hole details, and Table 2 summarizes samples collected. Geological drill logs, drill sections, and analytical/assay certificates are appended to this report (Appendices II, III, and IV, respectively).

Upon completion of drilling, casings that were left in the ground were flagged with a red metal flag (labelled with the drill hole number). The sites were reclaimed by levelling and seeding.

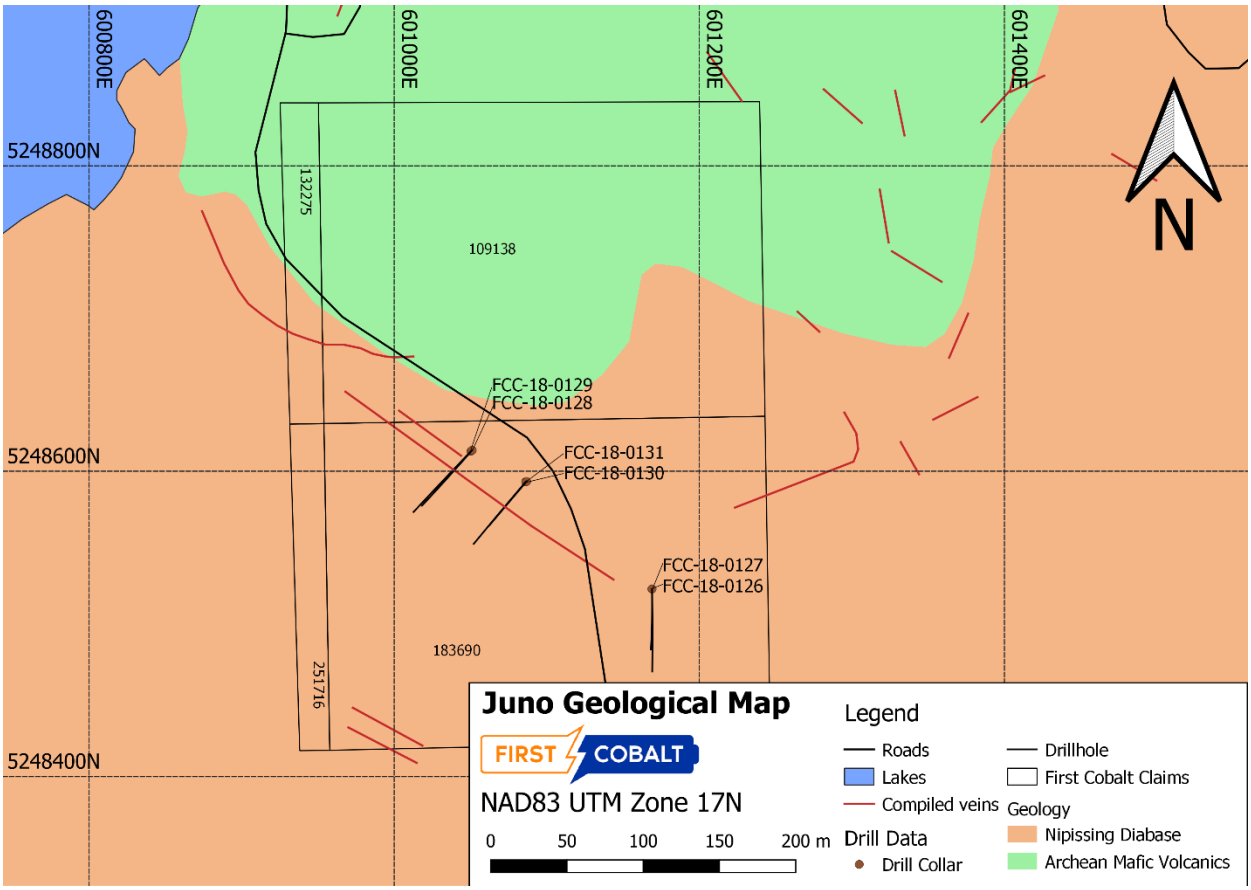

Figure 3. Diamond drill hole collar locations, relative to surface geological mapping.

Table 2. Summary of Diamond Drill Hole Locations.

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Depth	Start Date	End Date	Claim No.
FCC-18-0126	601169	5248523	289.555	179.6	-64.9	92	9/10/2018	9/11/2018	183690
FCC-18-0127	601169	5248523	289.555	179	-45.1	77	9/11/2018	9/11/2018	183690
FCC-18-0128	601051.1	5248614	291.41	221.5	-65.1	113	9/11/2018	9/12/2018	183690
FCC-18-0129	601050.3	5248613	290.698	223.6	-45	77	9/12/2018	9/12/2018	183690
FCC-18-0130	601086.8	5248593	290.29	220.4	-64.9	89	9/12/2018	9/13/2018	183690
FCC-18-0131	601086.1	5248593	288.735	219.5	-45	74	9/13/2018	9/13/2018	183690

**Coordinates are recorded in UTM NAD83, Zone 17 North.*

Table 3. Summary of Samples taken from Diamond Drill Holes.

Hole ID	**Depth**	**No. Samples**	**Cumulative Sample Length (m)**
FCC-18-0126	92	48	41.48
FCC-18-0127	77	30	24.3
FCC-18-0128	113	0	0
FCC-18-0129	77	8	6.4
FCC-18-0130	89	21	21
FCC-18-0131	74	18	18

Assay Results

First Cobalt has implemented a quality control program to comply with common industry best practices for sampling and analysis.

Sample security measures follow industry standard best practices. Drill core is received from the contractor twice daily and inspected on receipt. A company representative, typically a project geologist, visits the drill each day. A standard operating procedure has been defined for logging and sampling per industry standards. Samples are defined during logging by a professional geologist. Sample labels are inserted into the core boxes by the logging geologist. Samples are cut and split in the same facility as logging by technicians. Samples are bagged with sample tags inserted into the bag and labels marked with marker on the outside. Sample bags are sealed using a plastic zip lock cable tie. Samples are placed in white rice bags for ease of handling to an approximate weight of 30kg. The rice bags are labelled with sample number ranges and each is addressed with the laboratory. Rice bags are sealed using a plastic zip lock cable tie.

Sample batches dispatched to the lab are defined by individual drill holes to reduce possible sample mixing errors between holes.

Samples are collected from drill core from a range of 30 to 100cm length at the discretion of the geologist according to lithological contacts, structures, veins, and mineralized horizons. Drill core is cut and/or split in half and half core is submitted for analyses. Standards and blanks are inserted every 20 samples. Duplicates are made from quarter core splits every 20 samples. Standards have been generated from mineralized material from the project area and certified values for Co and Ag have been derived by Analytical Solutions Ltd., an accredited geochemical consulting group. OREAS reference standard material has also been used. Blank material is marble gravel used as decorative stone containing low levels of Co (<0.002%)

Geochemical data were received from ALS Laboratories in Vancouver, British Columbia. Sample preparation was done in Sudbury, Ontario, Canada. At the laboratory, samples are dried and crushed to 70% passing 2 mm screen, a 250g split are then taken and pulverized to 85% passing 75 microns for analysis. The samples are then shipped to North Vancouver, British Colombia, where the elemental concentrations are measured using ICP Fusion, and Ag aqua regia (ICP Fusion can be unreliable for measuring certain metals.) ALS is a fully accredited laboratory and conforms with the requirements of CANP4E (ISO/IEC 17025:2005) and CANP1579 by the Standards Council of Canada

All results have passed QA/QC protocols.

A summary of anomalous metals intersected is listed below (Table 4), and complete analytical results can be found in Appendix IV.

Table 4. Summary of anomalous Ag, Co intersections in drill core.

Hole-ID	From	To	Len	Sample No	Co ppm	Ag gpt	Cu ppm	Ni ppm	Pb ppm	Zn ppm	As ppm
FCC-18-0126	17.54	17.92	0.38	E5722531	30	8.3	180	70	1400	510	-100
FCC-18-0126	3	4	1	E5722511	60	2.2	60	110	1100	80	-100
FCC-18-0126	10	10.45	0.45	E5722520	60	1.3	170	100	300	460	100
FCC-18-0126	15.6	16	0.4	E5722528	40	1.1	190	100	300	7010	-100
FCC-18-0126	6	7	1	E5722515	30	1.1	190	100	1500	670	-100
FCC-18-0126	11	12	1	E5722522	40	1	260	90	-100	200	-100
FCC-18-0126	70.34	70.85	0.51	E5722553	20	1	70	-20	300	290	-100
FCC-18-0127	4.5	5	0.5	E5722570	60	5.2	1940	130	8200	1240	100
FCC-18-0127	13	14	1	E5722587	80	3	130	110	300	570	-100
FCC-18-0127	17	18	1	E5722591	30	2	220	60	-100	80	-100
FCC-18-0127	12.3	12.64	0.34	E5722582	90	1.5	670	100	-100	20	-100
FCC-18-0127	14	15	1	E5722588	50	1.5	120	80	200	160	-100
FCC-18-0127	20.6	21	0.4	E5722596	50	1	170	70	200	130	-100
FCC-18-0127	20	20.6	0.6	E5722595	40	1	460	60	-100	60	-100
FCC-18-0129	21.48	22.03	0.55	E5722611	170	69.7	190	110	-100	40	500
FCC-18-0129	20.89	21.48	0.59	E5722610	30	6.6	410	100	-100	50	-100
FCC-18-0129	11.5	12.15	0.65	E5722607	100	4.6	1720	90	-100	90	100
FCC-18-0129	22.03	23	0.97	E5722613	50	2.4	140	100	-100	80	100
FCC-18-0129	20	20.89	0.89	E5722609	40	1	100	90	-100	70	-100
FCC-18-0130	67	68	1	E5722623	40	2.2	1050	30	500	1180	100
FCC-18-0130	70	71	1	E5722627	130	-0.2	-20	120	-100	50	300
FCC-18-0131	30	31	1	E5722648	40	1	120	80	-100	100	-100

Note: *Anomalous is defined for the purpose of this report to reflect values of at least 1gpt Ag or 100ppm Co as found in the analyses provided. Drilling lengths are as recorded downhole and do not necessarily represent true widths of mineralization as multiple vein orientations may have been targeted.*

Overall, the assay results reflect vein style mineralization as identified by the logging. Veins are typically cm-sized containing carbonate minerals and locally quartz as the gangue minerals. As is typical in the Cobalt Camp, grades outside of "bonanza" Ag-Co veins are low and no halo of disseminated mineralization was intersected. Cobalt/silver ratios here are low compared to elsewhere in the camp. The highest cobalt value was intersected in FCC-18-0129 where veining occurs between 21.48-22.03m, corresponding to a set of carbonate veins with no discernable Ag-Co minerals.

Interpretation

Cross-sections of the drill holes are provided in Appendix III.

The results from the Juno drilling program were disappointing as no significant mineralization was intercepted and the diabase contact with Archean or Proterozoic supracrustal rocks was not penetrated. As is typical in the camp, hydrothermal alteration was minimal, and when it is present, it does not have a definite correlation with mineralization.

Two narrow faults were intercepted, one in hole FCC-18-0126, and one in FCC-18-0127. These are largely insignificant. Several mineralized veins were also intercepted in these holes but were not significant.

Given that the diabase was not penetrated, it is difficult to gauge the prospectivity of the area, since the most economically interesting areas are hosted in the Archean and Proterozoic rocks, near the diabase contact.

Recommendations

Based on the results, no follow up exploration is recommended on the Juno Property.

The area drilled does not represent a viable exploration target for immediate follow-up, however if another drill program was planned in the area, it should be focused on penetrating the diabase contact to determine if Archean volcanic rocks or Paleoproterozoic sedimentary rocks occur. The unconformity would provide a favourable setting for cobalt-silver mineralization as found elsewhere in the Cobalt Camp.

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Certificate of Qualified Persons

I, Frank Santaguida, Ph.D. P. Geo., residing in Whitby, Ontario, Canada, do hereby certify that:

1) I have personally prepared the Technical Report and approve of its contents.

2) I am the Vice President of Exploration for First Cobalt Corp. based in Toronto, Ontario at Suite 201 , 140 Yonge Street M5C 1X6.

3) I graduated with an Honours B.Sc. and M.Sc (Earth Sciences) from University of Waterloo, Ontario in 1991 and 1994 respectively. I obtained my Ph.D. (Earth Sciences) at Carleton University, Ottawa, Ontario in 1999. I have practiced as a geoscientist continuously since 1991. I have worked on exploration and mining programs throughout Canada, Australia, Africa, Finland, and Sweden. I have extensive experience with both precious and base metals in various mineral deposit types and geological terranes.

4) I am a Practicing Professional Geologist registered with the Association of Professional Geoscientists of Ontario (APGO) since 2005, registration number, 0836

6) As of the effective date of the Technical Report, to the best of my knowledge, information and belief, this Technical Report contains all the scientific and technical information that is required to be disclosed to ensure the Technical Report is not misleading.

Toronto, Ontario, Canada

(Signed and Sealed) “Frank Santaguida”

December 20, 2018

Frank Santaguida, Ph.D., P. Geo.

Vice President Exploration

First Cobalt Corp.

APPENDIX I

EXPENDITURES AND INVOICES

Technical Report of Drilling at the Borden Property

			DATES OF FIELD WORK		Units		MNDM COST CATEGORIES						
WORK TYPE	PERSONNEL	ROLE	From	To	Days / samples / meters	Rate/unit	$Supervision & Labour	$Contractors & Consultants	$Supplies & Rental Equipment	$Food and Lodging	$Transport personnel/equip to work site (Ontario only)	$Assaying	$Shipping
Supervision/Report Writing	Frank Santaguida	VP Exploration	2019-04-10	2019-03-19	2	$ 800.00	$ 1,600.00						
Map Making & Reporting	Meghan Hewton	Project Geologist	2019-04-08	2019-04-12	5	$ 450.00	$ 2,250.00						
Supervision/Drill Planning	Jason Rickard	Exploration Manager	2018-09-01	2018-09-13	2	$ 800.00	$ 1,600.00						
Drill Planning & Management	Dan Chisholm	Project Geologist	2018-09-10	2018-09-13	5	$ 450.00	$ 2,250.00						
Logging	Gerhard Kiessling	Geologist	2018-09-10	2018-09-15	6	$ 350.00	$ 2,100.00						
Logging	Matthew Brown	Geologist	2018-09-10	2018-09-15	2	$ 350.00	$ 700.00						
Geoteching & Cutting/Splitting	Ebison Eldho	Geo Technician	2018-09-10	2018-09-15	6	$ 275.00	$ 1,650.00						
Geoteching & Cutting/Splitting	Dave Lamontagne (Services Technominex)	Geo Technician	2018-09-10	2018-09-17	5	$ 463.50		$ 2,317.50					
Geoteching & Cutting/Splitting	LP Lacharite (Services Technominex)	Geo Technician	2018-09-10	2018-09-17	5	$ 463.50		$ 2,317.50					
Cutting/Splitting	Exploration Services	Supplies	2018-09-05		flat	$ 756.05			$ 756.05				
Drilling (0126)	Laframboise	Drill Contractor	2018-09-10	2018-09-11	92	$ 75.00		$ 6,900.00					
Drilling (0127)	Laframboise	Drill Contractor	2018-09-11	2018-09-11	77	$ 75.00		$ 5,775.00					
Drilling (0128)	Laframboise	Drill Contractor	2018-09-11	2018-09-12	110	$ 75.00		$ 8,250.00					
Drilling (0129)	Laframboise	Drill Contractor	2018-09-12	2018-09-12	77	$ 75.00		$ 5,775.00					
Drilling (0130)	Laframboise	Drill Contractor	2018-09-12	2018-09-13	89	$ 75.00		$ 6,675.00					
Drilling (0131)	Laframboise	Drill Contractor	2018-09-13	2018-09-13	74	$ 75.00		$ 5,550.00					
Drilling Mobilize	Laframboise	Drill Contractor			flat	$ -		$ -					
Trail construction, buncher & excavator	Laframboise	Drill Contractor			10	$ 120.00		$ 1,200.00					
Casing and shoes	Laframboise	Drill Contractor			2	$ 200.00			$ 400.00				
Core Delivery	Laframboise	Drill Contractor	2018-09-11	2018-09-14	4	$ 75.00		$ 300.00					
Core boxes	Laframboise	Drill Contractor			123	$ 7.50			$ 922.50				
Drilling	Boart Longyear	TruCore Orientation tool	2018-09-09	2018-09-14	6	$ 78.33			$ 470.00				
Geochem	Reflex	XRF Rental	2018-09-10	2018-09-16	7	243.0			$ 1,701.00				
Drill Site Remediation	Jensen's DirtWorks	Levelling drill site with Excavator	2018-09-17	2018-09-19	18.5	$ 100.00		$ 1,850.00					
Drill Site Remediation	Jensen's DirtWorks	Seeding	2018-09-17	2018-09-19	1.0	$ 40.00		$ 40.00					
				# samples									
Geochem (0126)	ALS (Cert #SD18232664)	Geochem lab	2018-10-03	58	samples	$ 41						$ 2,391.96	
Geochem (0127)	ALS (Cert #SD18232665)	Geochem lab	2018-10-03	37	samples	$ 42						$ 1,542.15	
Geochem (0128)	No sampling	Geochem lab		0	samples								
Geochem (0129)	ALS (Cert #SD18232666)	Geochem lab	2018-10-09	10	samples	$ 44						$ 436.97	
Geochem (0130)	ALS (Cert #SD18232668)	Geochem lab	2018-10-03	25	samples	$ 42						$ 1,062.09	
Geochem (0131)	ALS (Cert #SD18232669)	Geochem lab	2018-10-02	21	samples	$ 43						$ 899.48	
Geochem	Manitoulin	Shipping	2018-09-18		shipment	$ 511.35							$ 511.35

Technical Report of Drilling at the Borden Property

WORK TYPE	PERSONNEL	ROLE	DATES OF FIELD WORK From	To	Units Days / samples / meters	Rate/unit	MNDM COST CATEGORIES $Supervision & Labour	$Contractors & Consultants	$Supplies & Rental Equipment	$Food and Lodging	$Transport personnel/equip to work site (Ontario only)	$Assaying	$Shipping
Truck Rental	Enterprise Rentals. $100/day in incl. truck rental, fuel, insurance, repairs		2018-09-10	2018-09-18	9	$ 100.00	$ -				$ 900.00		
ATV Rental	Elk Lake Work 'N Play. $75/day rental fee.		2018-09-10	2018-09-18	9	$ 75.00	$ -				$ 675.00		
Facilities	$150/day incl. building rental, heat, hydro	Core Shack	2018-09-10	2018-09-18	9	$ 150.00	$ -			$ 1,350.00			
Accom/Meals	$100/day incl. house rental, heat, hydro, groceries, restaurant meals	J. Rickard & out-of-town geologists and technicians	2018-09-10	2018-09-18		$ 100.00	$ -			$ -			
							$ 12,150.00	$ 46,950.00	$ 4,249.55	$ 1,350.00	$ 1,575.00	$ 6,332.65	$ 511.35
											TOTAL EXPENDITURES =		**$ 73,118.55**

APPENDIX II

DRILL LOGS

Cobalt North Project (Juno Property)

Drill Log FCC-18-0126

COLLAR INFORMATION

Easting:	601,168.97 m	**Azimuth:**	179.60°
Northing:	5,248,522.80 m	**Dip:**	-64.90°
Elevation:	289.56 m	**Length:**	92.00 m
Target:	JN02; intersection of fault and vein		

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	179.6°	179.6°	-64.9°	Collar
17.00	192.1°	179.6°	-64.5°	EZ-Trac
65.00	194.5°	182.0°	-64.5°	EZ-Trac
80.00	194.6°	182.1°	-64.6°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	92.0	Dan Chisholm	2018-Sep-10	Sep-12	
Drilling	0.0	92.0	Laframboise Drilling	2018-Sep-10	Sep-11	
Geotech + Orient	0.0	67.0	Louis-Phillip Lachari	2018-Sep-11	Sep-11	
Geotech + Orient	67.0	92.0	Ebison Eldho	2018-Sep-12	Sep-12	
Core Logging	0.0	92.0	Gerhard Kiessling	2018-Sep-11	Sep-12	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.52	CAS Casing	CAS	**Casing**
1.52	17.64	IMDIA	DIA	**Main Nipissing** Diabase. Coarse grained, crystalline, massive intrusive.Pervasive weak kspar/hem, epidote in fractures and pervasive albite/chl throughout in veins and fractures as well. Several qtz-carb veins noted with vein hosted diss fg-mg po/cpy/sph/gal. One in particular has chunky sph and py at 15.84m, up to 20% within the vein itself.
		1.52	17.64	MIN			0.8% Sum	Several veins noted, vein hosted diss tr fg-mg po/cpy/sph/gal.
		2.86	2.90	VEIN	Carb-Sul	Massive	1.5 cm	Massive grey qtz-carb vein with serp/chl and hem alt, tr cpy and galena.
		10.18	10.35	VEIN	Carb-Sul	SetPara	1 cm	Set of light grey carb veins, hem alt, kspar, tr gal/cpy/sph. Largest one is 1cm the rest are smaller, roughly parallel.
		13.65	13.87	VEIN	Epi	Massive	3 cm	Massive green and hem'd epidote vein, so altered can't really see any carb or qtz in vein.
		15.84	15.90	VEIN	Carb-Sul	Massive	3 cm	Massive white-pinkish carb vein with 20% cg sph and 10% cg py, well defined, min is grouped towards one side of the vein.
		16.62	16.69	VEIN	Carb-Sul	Massive	1 cm	White pinkish kspar altered carb vein with tr cpy/po.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722509	1.52	2.00	0.48		40.0		0.2	90	30	<100	80	<100		23	5
E5722510	2.00	3.00	1.00		40.0		0.2	80	20	<100	60	100		28	5
E5722511	3.00	4.00	1.00		60.0		2.2	110	60	1100	80	<100		28	11
E5722513	4.00	5.00	1.00		40.0		0.9	60	120	1100	660	100		34	10
E5722514	5.00	6.00	1.00		40.0		0.3	90	70	600	210	<100		33	7
E5722515	6.00	7.00	1.00		30.0		1.1	100	190	1500	670	<100		30	11
E5722516	7.00	8.00	1.00		30.0		0.5	80	120	<100	80	<100		34	5
E5722517	8.00	9.00	1.00		60.0		0.9	130	160	<100	90	<100		28	9
E5722519	9.00	10.00	1.00		50.0		0.5	100	60	<100	100	<100		32	7
E5722520	10.00	10.45	0.45		60.0		1.3	100	170	300	460	100		29	11
E5722521	10.45	11.00	0.55		50.0		0.3	130	100	100	170	<100		33	8
E5722522	11.00	12.00	1.00		40.0		1.0	90	260	<100	200	<100		30	8
E5722523	12.00	13.00	1.00		20.0		<0.2	100	50	<100	40	<100		30	4
E5722524	13.00	14.00	1.00		30.0		<0.2	50	70	<100	40	<100		26	4
E5722525	14.00	15.00	1.00		40.0		0.5	120	90	400	110	<100		27	7
E5722527	15.00	15.60	0.60		40.0		0.4	70	110	800	240	<100		30	8
E5722528	15.60	16.00	0.40		40.0		1.1	100	190	300	7010	<100		31	29
E5722529	16.00	17.00	1.00		20.0		0.7	50	30	100	140	<100		52	4
E5722530	17.00	17.54	0.54		30.0		<0.2	110	30	<100	100	<100		26	5

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment			
17.64	17.82	VEIN	VEIN - Ag	**Vein**			
		Not Cobalt bearing but has 32 ppm Ag from XRF. Pink qtz-carb brecciated vein, hem staining, 1% fg diss sph/py/gal within vein itself, small whiteish grey silicified shr following vein with speck of galena that ran 32 ppm Ag.					
	1.52	19.00	ALT	EPI+KSP	PERVAS	5	Pervasive weak kspar, epidote in fractures and pervasive albite/chl, weak hem throughout in veins and fractures as well.
	17.64	17.82	VEIN	Carb-Co	VeinShr	14 cm	Not Cobalt bearing, 32 ppm Ag from XRF. Pink qtz-carb vein, hem staining, 1% sph/pygal within vein, small sil shr following vein with speck of galena that ran 32 ppm Ag.
	17.64	17.82	MIN		0.1% Ag	0.8% Sum	Carb vein with tr sph/gal/py and 32 ppm Ag on one speck of galena.
17.82	70.35	IMDIA	DIA	**Main Nipissing**			
		Diabase. Coarse grained, crystalline, massive intrusive. Pervasive hem/kspar, epidote in fractures and pervasive albite/chl, weak hem throughout in veins and fractures until 19m at which point the kspar and hem disappear leaving a pervasive chl and albite alteration. Has minor qtz-carb veind with up to tr sph/py.					
	17.82	19.00	MIN			0.8% Sum	Several veins noted, vein hosted diss tr fg-mg po/cpy/sph/gal.
	18.05	18.20	VEIN	Carb-Sul	Massive	11 cm	Pink qtz-carb vein, strong hem alt, tr-1% sph. Followed by a section of ground core/fault.
	18.20	18.60	STRC	FAULT		a = 068°	Fault, defined by fractured and brecciated section with lots of fg sandy material around the core. No clear defined fault structure, part of it is ground/spun following the carb vein noted.
	19.00	67.00	ALT	CHL	PERVAS	4	Pervasive white albite and chlorite alt throughout, chl is very dark green to almost black looking, and has varied intensity.
	30.39	30.60	VEIN	Carb	Massive	0.25 cm	Small grey barren carb vein with weak chl along sides of vein.
	47.15	47.35	VEIN	Carb-Sul	Massive	2 cm	Massive pink qtz-carb vein with bleby chl, tr py, fractured and party brecciated.
	49.54	49.59	VEIN	Carb-Epi	Massive	0.5 cm	Massive green epi altered carb vein, tr fg py/po.
	54.00	61.00	STRC	FOL	219°/18°	a = 070°	Spaced dark chl healed fracture fol, some with little epidote altered crb stringers.
	58.91	58.93	VEIN	Qtz-Sulp	Massive	1 cm	Grey translucent quarts vein, with some 1-2% fg-mg sph/po/py in the middle of the vein.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722531	17.54	17.92	0.38		30.0	1762	8.3		70	180	1400	510	<100		874	14
E5722534	17.92	18.60	0.68		30.0		<0.2		40	150	<100	70	<100		36	4
E5722535	18.60	19.00	0.40		30.0		<0.2		70	100	<100	70	<100		27	5
E5722536	19.00	20.00	1.00		40.0		<0.2		80	120	<100	100	<100			6
E5722537	20.00	21.00	1.00		30.0		<0.2		100	110	<100	90	<100			5
E5722539	46.00	47.00	1.00		30.0		<0.2		100	90	<100	60	<100			5
E5722540	47.00	48.00	1.00		40.0		0.4		80	130	<100	220	<100			6
E5722541	48.00	49.00	1.00		30.0		<0.2		110	120	<100	80	<100			5
E5722542	56.00	57.00	1.00		40.0		<0.2		130	100	<100	60	<100			6
E5722543	57.00	58.00	1.00		30.0		<0.2		90	80	<100	50	<100			5
E5722544	58.00	59.00	1.00		30.0		<0.2		110	260	<100	270	<100			7
E5722545	59.00	60.00	1.00		40.0		<0.2		100	60	<100	190	<100			6
E5722547	60.00	61.00	1.00		40.0		<0.2		100	90	<100	70	<100			6
E5722548	67.00	68.00	1.00		30.0		<0.2		60	110	<100	80	<100			4
E5722549	68.00	69.00	1.00		40.0		<0.2		30	90	<100	70	<100			5
E5722550	69.00	70.00	1.00		40.0		<0.2		50	130	<100	70	<100			5
E5722551	70.00	70.34	0.34		30.0		0.3		50	210	<100	110	<100			5
E5722553	70.34	70.85	0.51		20.0		1.0		<20	70	300	290	<100			4

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
70.35	70.88	VEIN	VEIN	**Vein**
				Large 50cm pink carb vein, Some grey translucent quarts,hem/ksapr and dark chl blebs. Tr fg py and a couple specks of galena. Small breccia towards the end of the vein.
	70.35	70.88	VEIN	Carb-Sul Massive 50 cm Large 50cm pink carb vein, Some grey translucent quarts,hem/ksapr and dark chl blebs. Tr fg py and a couple specks of galena. Small breccia towards the end of the vein.
70.88	78.00	IMDIA	DIA	**Main Nipissing**
				Diabase. Coarse grained, crystalline, massive intrusive. Pervasive chl alteration. A couple qtz-carb veins with tr fg py.
	75.26	75.60	VEIN	Qtz-Carb Massive 0.5 cm Pink qtz-carb vein, chl along sides, tr fg py.
78.00	79.00	FLTZ	FLTZ	**Fault Zone**
				Rubbly fault zone, lots of fg -powdery gouge, randomly broken pieces of varying size. Maybe a weak bit of hem but looks barren.
79.00	92.00	IMDIA	DIA	**Main Nipissing**
				Diabase. Coarse grained, crystalline, massive intrusive. Pervasive chl alteration.
92.00	92.00	EOH	EOH	**End of Hole**
		EOH		
	92.00	**EOH**		**End of hole.**

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722554	70.85	71.40	0.55		20.0		<0.2		90	210	<100	110	100			5
E5722555	71.40	72.00	0.60		40.0		<0.2		70	160	<100	90	<100			6
E5722556	72.00	73.00	1.00		40.0		<0.2		60	130	<100	80	<100			5
E5722557	73.00	74.00	1.00		40.0		<0.2		50	130	<100	100	<100			5
E5722559	74.00	75.00	1.00		40.0		<0.2		40	140	<100	90	<100			5
E5722560	75.00	76.00	1.00		40.0		<0.2		80	120	<100	100	<100			6
E5722561	76.00	77.00	1.00		40.0		<0.2		70	120	<100	70	<100			6
E5722562	77.00	78.00	1.00		20.0		0.2		50	120	<100	60	<100			4
E5722563	78.00	79.00	1.00		40.0		0.4		30	120	<100	40	<100			5
E5722564	79.00	80.00	1.00		40.0		<0.2		80	120	<100	90	<100			6
E5722565	80.00	81.00	1.00		50.0		<0.2		100	140	<100	70	<100			7

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.07					TECH BY LP
5.00	8.00		3.21					
8.00	11.00		2.93					HIGH RORC
11.00	14.00		3.03					LOL@12.95
14.00	17.00		2.95					HIGH RORC
17.00	20.00		2.91					
20.00	23.00		3.10					
23.00	26.00		3.14					
26.00	29.00		3.01					
29.00	32.00		3.02					
32.00	35.00		2.98					
35.00	38.00		3.08					
38.00	41.00		3.03					
41.00	44.00		2.99					
44.00	47.00		3.05					HIGH RORC
47.00	50.00		3.00					
50.00	53.00		3.30					
53.00	56.00		2.96					
56.00	59.00		3.03					
59.00	62.00		2.99					
62.00	65.00		3.10					
65.00	68.00		2.95					
68.00	71.00		2.98					
71.00	74.00		2.97					
74.00	77.00		2.95					
77.00	80.00		2.97					RUBBLY ZONE , LESS CO
80.00	83.00		3.03					
83.00	86.00		3.15					
86.00	89.00		3.02					
89.00	92.00		3.01					EOH

Cobalt North Project (Juno Property)

Drill Log FCC-18-0127

COLLAR INFORMATION

Easting:	601,168.97 m	**Azimuth:**	179.00°
Northing:	5,248,522.80 m	**Dip:**	-45.10°
Elevation:	289.56 m	**Length:**	77.00 m
Target:	JN01; intersection of fault and vein		

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	179.0°	179.0°	-45.1°	Collar
21.00	191.5°	179.0°	-45.3°	EZ-Trac
53.00	193.1°	180.6°	-45.5°	EZ-Trac
77.00	193.2°	180.7°	-45.6°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	77.0	Dan Chisholm	2018-Sep-11	Sep-12	
Drilling	0.0	77.0	Laframboise Drilling	2018-Sep-11	Sep-11	
Geotech + Orient	0.0	77.0	Ebison Eldho	2018-Sep-12	Sep-12	
Core Logging	0.0	77.0	Gerhard Kiessling	2018-Sep-12	Sep-12	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.70	CAS Casing	CAS	**Casing**
1.70	12.30	IMDIA	DIA	**Main Nipissing** Medium grey, coarse grained, crystalline intrusive, 70% mafics, 30% felsics, some pervasive chlorite alteration. Altzone from 1.7-21m with weak hem/some kspar, more chl, and epidote along fractures and within vein structures. A couple gal/cpy rich kspar rich veins near the start of hole such as at 2.94m and 4.82m.
	1.70	12.30	MIN	1.0% Sum Vein hosted diss cg galena in veins, up to 2-3% within veins themselves, and 1-2% cpy.
	2.87	2.94	VEIN	Ksp Massive 0.5 cm Massive kspar vein, webby like fg-cg galena and cpy up to 5%.
	4.82	4.89	VEIN	ksp-sulph Massive 3 cm No good alpha angle, massive chunky gal and wbby cpy up to 40% of vein.
	6.44	6.53	VEIN	Carb-Sul Massive 4 cm Massive white epi/chl/serp alt'd vein with a cg cluster of gal following parallel within the vein.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722567	1.70	2.50	0.80		30.0		<0.2	40	20	<100	70	100			44	4
E5722568	2.50	3.50	1.00		30.0		0.9	60	230	2300	120	<100			47	11
E5722569	3.50	4.50	1.00		40.0		<0.2	50	50	200	90	100			55	5
E5722570	4.50	5.00	0.50		60.0		5.2	130	1940	8200	1240	100			49	45
E5722571	5.00	6.00	1.00		50.0		0.8	50	270	1100	320	100			89	11
E5722573	6.00	6.50	0.50		40.0		0.4	70	170	1100	410	100			54	10
E5722574	6.50	7.50	1.00		50.0		0.7	90	120	600	110	<100			53	9
E5722575	7.50	8.50	1.00		40.0		0.2	100	60	100	110	<100			52	6
E5722576	8.50	9.00	0.50		20.0		0.5	30	100	100	60	<100			50	4
E5722577	9.00	10.00	1.00		40.0		0.6	90	100	100	120	<100			47	6
E5722579	10.00	11.00	1.00		50.0		0.5	90	220	100	200	<100			50	8
E5722580	11.00	11.85	0.85		40.0		0.5	80	30	<100	90	<100			52	5
E5722581	11.85	12.30	0.45		30.0		0.3	30	110	<100	40	<100			49	4

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
12.30	12.56	VEIN	Co VN	**Vein** Co Vein. White to slightly pink carb vein, 9cm thick with ~5cm of epidote mg-cg epidote alt on either side, dark reddish fg sph up to 5% one one side of the vein, fg-cg diss py clumps up to 7% with greyish cobalt (skud?) within the finer grained py sections on the side opposite to the sph, XRF @ 0.2% Co. Dark wipsy hl blebs within vein.
12.56	19.70	IMDIA	DIA VN zone	**Main Nipissing- VeinBx Zone** Various white to slightly pink carb vein breccias throughout until fltz. Fairly weak, and none are very mineralized, tr py/po. Medium grey, coarse grained, crystalline intrusive, 70% mafics, 30% felsics, some pervasive chlorite alteration. Altzone from 1.7-21m with weak hem/some kspar, more chl, and epidote along fractures and within vein structures.
19.70	20.20	FLTZ	FLTZ	**Fault Zone** Rubbly fault zone with ground tannish coloured vein at 20-20.2m. Fragments look rough and randomly broken, no clear repeated fracture system or clear fault structure.

From	To	Code	Label	Comment	Len	Comment
12.30	12.56	VEIN	Carb-Co	Massive	9 cm	Co Vein. White to slightly pink carb vein, 9cm thick with ~5cm of epidote mg-cg epidote alt on either side, dark reddish fg sph up to 5%, fg-cg diss py clumps up to 7% with greyish cobalt (skud?) within the finer grained py sections, XRF @ 0.2% Co. Dark w
12.30	12.56	MIN			9.0% Sum	Co Vn - dark reddish fg sph up to 5%, fg-cg diss py clumps up to 7% with greyish cobalt (skud?) within the finer grained py sections, XRF @ 0.2% Co
13.70	14.10	VEIN	Carb-Sul	VeinBx	0.5 cm	Set of parallel brecciated carb vein, white to white/pinkish, tr cg py/po.
16.60	17.00	VEIN	Carb-Sul	VeinBx	0.25 cm	Another set of parallel brecciated carb vein, white to white/pinkish, large chl blebs, barren.
17.04	17.12	VEIN	Carb-Sul	Massive	2 cm	massive pink carb vein, wispy dark chl similar to the Co-vein, but looks barren.
19.00	19.65	VEIN	Carb	VeinBx	0.25 cm	Set of parallel hem'd carb vein bx's, barren. Sort of various fractured.
1.70	21.00	ALT	EPI+KSP	PERVAS	3	Weak hem/some kspar, more chl, and epidote along fractures and within vein structures.
12.56	21.00	MIN			0.1% Sum	Diss tr fg py within carb veins noted.
19.70	20.20	STRC	FAULT			Rubbly fault zone with ground tannish coloured vein at 20-20.2m. Fragments look rough and randomly broken, no clear repeated fracture system or clear fault structure.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722582	12.30	12.64	0.34	3436	90.0		1.5		100	670	<100	20	<100		367	15
E5722585	12.64	13.00	0.36		40.0		0.4		100	50	<100	90	<100		15	6
E5722587	13.00	14.00	1.00		80.0		3.0		110	130	300	570	<100		6	13
E5722588	14.00	15.00	1.00		50.0		1.5		80	120	200	160	<100		13	8
E5722589	15.00	16.00	1.00		50.0		0.9		70	210	<100	100	<100		8	8
E5722590	16.00	17.00	1.00		30.0		0.6		100	90	<100	90	<100		8	5
E5722591	17.00	18.00	1.00		30.0		2.0		60	220	<100	80	<100		5	6
E5722593	18.00	19.00	1.00		20.0		<0.2		80	20	<100	80	<100		6	3
E5722594	19.00	20.00	1.00		20.0		0.3		40	60	<100	80	<100		3	3
E5722595	20.00	20.60	0.60		40.0		1.0		60	460	<100	60	<100		3	8

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment			
20.20	77.00	IMDIA	DIA	**Main Nipissing**			
		Medium grey, coarse grained, crystalline intrusive, 70% mafics, 30% felsics, some pervasive chlorite alteration. Minor qtz-carb veins throughout, no major mineralization.					
	36.00	37.00	VEIN	Qtz-Carb	SetPara	1 cm	Set of two 1cm grey qtz-carb veins, barren, very weak hem aurole around each one, chl along sides.
77.00	77.00	EOH	EOH	**End of Hole**			
		EOH					
	77.00	**EOH**		**End of hole.**			

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722596	20.60	21.00	0.40		50.0		1.0		70	170	200	130	<100		8	8
E5722597	21.00	22.00	1.00		40.0		0.2		80	120	<100	100	<100			6
E5722599	22.00	23.00	1.00		40.0		0.2		60	120	<100	100	<100			6
E5722600	35.00	36.00	1.00		30.0		0.3		80	120	<100	150	<100			5
E5722601	36.00	36.53	0.53		30.0		0.2		80	110	<100	70	<100			5
E5722602	36.53	37.00	0.47		30.0		0.3		80	120	<100	80	<100			5
E5722603	37.00	38.00	1.00		40.0		0.2		100	110	<100	80	<100			6

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.00					
5.00	8.00		2.90					
8.00	11.00		3.10					
11.00	14.00		2.98					NO DRILL MARK ON BL
14.00	17.00		3.01					
17.00	20.00		2.70					
20.00	23.00		2.60					
23.00	26.00		2.76					
26.00	29.00		2.96					
29.00	32.00		2.99					
32.00	35.00		2.95					
35.00	38.00		3.02					
38.00	41.00		2.99					
41.00	44.00		3.10					
44.00	47.00		2.96					
47.00	50.00		3.02					
50.00	53.00		2.97					
53.00	56.00		3.01					
56.00	59.00		2.99					
59.00	62.00		3.03					
62.00	65.00		3.00					
65.00	68.00		3.02					
68.00	71.00		3.03					
71.00	74.00		3.08					
74.00	77.00		2.93					EOH

Cobalt North Project (Juno Property)

Drill Log FCC-18-0128

COLLAR INFORMATION

Easting:	601,051.09 m	**Azimuth:**	221.50°
Northing:	5,248,613.69 m	**Dip:**	-65.10°
Elevation:	291.41 m	**Length:**	113.00 m
Target:	JN04; Juno Metals Vein		

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	221.5°	221.5°	-65.1°	Collar
17.00	234.0°	221.5°	-64.3°	EZ-Trac
50.00	234.5°	222.0°	-64.2°	EZ-Trac
110.00	235.7°	223.2°	-64.2°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	113.0	Dan Chisholm	2018-Sep-09	Sep-13	
Drilling	0.0	113.0	Laframboise Drilling	2018-Sep-09	Sep-11	
Geotech + Orient	0.0	113.0	Ebison Eldho	2018-Sep-12	Sep-13	
Core Logging	0.0	113.0	Matthew Brown	2018-Sep-13	Sep-13	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	1.70	CAS	CAS	**Casing**
1.70	78.20	IMDIA	DIA	**Main Nipissing** Light to medium grey, fine to medium grained diabase with some small pink carbveins, very little alt or other staining. Unit seems to have more felsic than mafic minerals as opposes to 50/50 the normal diabase has and begins to pick up more kspar staining due to increased faulting at depth. Small zones of IM dykes finger in and out but aren't large enough to make it's own unit. Some small sulfide blebs in early veins but no other min.
78.20	81.30	IM	IM	**Mafic Intrusive (non-Nipissing)** Fine grained zone of IM with fingers of DIA throughout.

From	To	Code	Label	Comment
6.50	6.75	VEIN	Carb	Massive 3 cm Barren massive pink carb vein with minor sulfides at rim
7.00	7.20	VEIN	Carb	Massive 3 cm Barren massive pink carb vein.
23.00	23.10	VEIN	Carb	Massive 2.5 cm Barren massive pink carb vein
37.20	37.40	VEIN	Qtz-Carb	VeinShr 5 cm Small sheared qtz/carb veins.
39.50	39.80	VEIN	Carb	SetPara cm Small set of parallel carb veins
62.30	71.00	ALT	EPI+KSP	INTERST 7 Plag grains take up Kspar alt while matrix takes up Chl alt.
80.75	80.90	VEIN	Epi	Massive 2.5 cm Large solid epi/chl vein with irregular walls and no min.

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment			
81.30	113.00	IMDIA	DIA	**Main Nipissing**			
		As above but picks up large amounts of Kspar alt and epi banding. Has some zones of very coarse grained blebs with large (3cm and larger xtls). No major min, some zones of rubble but no major stucture.					
		86.00	87.00	STRC	BAND	205°/18°	a = 055°	Small banded zones of Epi and grain alignment
		86.00	90.50	ALT	KSP	PERVAS	7	Large kspar hallow around small fault but extends more above fault.
		89.80	90.00	STRC	FAULT		a = 070°	Small fault with Kspar alt halo
		109.00	109.40	STRC	FAULT		a = 025°	Low angle fault zone that broke at
113.00	113.00	EOH	EOH	**End of Hole**			
		End of Hole, Bit wore out so ended on 110.6 in Diabase.					
	113.00	**EOH**		**End of hole.**			

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
2.00	5.00	3.00	3.20					
5.00	8.00		3.10					No drill mark at 2m,lol
8.00	11.00		3.00					
11.00	14.00		3.06					
14.00	17.00		3.07					
17.00	20.00		3.04					
20.00	23.00		3.04					
23.00	26.00		3.00					
26.00	29.00		3.03					
29.00	32.00		3.02					
32.00	35.00		2.97					
35.00	38.00		3.03					
38.00	41.00		3.10					
41.00	44.00		3.00					
44.00	47.00		3.00					
47.00	50.00		3.01					
50.00	53.00		3.03					
53.00	56.00		3.00					
56.00	59.00		3.04					
59.00	62.00		3.03					
62.00	65.00		2.99					
65.00	68.00		3.05					
68.00	71.00		3.02					
71.00	74.00		3.03					
74.00	77.00		2.95					
77.00	80.00		3.06					
80.00	83.00		3.04					
83.00	86.00		2.99					
86.00	89.00		3.06					no comparisons
89.00	92.00		2.90					
92.00	95.00		3.02					
95.00	98.00		3.00					
98.00	101.00		3.03					
101.00	104.00		2.97					
104.00	107.00		3.00					
107.00	110.00		3.05					EOH

Cobalt North Project (Juno Property)

Drill Log FCC-18-0129

COLLAR INFORMATION

Easting:	601,050.26 m	**Azimuth:**	223.60°
Northing:	5,248,613.05 m	**Dip:**	-45.00°
Elevation:	290.70 m	**Length:**	77.00 m
Target:	Juno Metals vein		

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	223.6°	223.6°	-45.0°	Collar
20.00	236.1°	223.6°	-44.6°	EZ-Trac
50.00	235.8°	223.3°	-44.6°	EZ-Trac
77.00	235.5°	223.0°	-44.5°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	77.0	Dan Chisholm	2018-Sep-12	Sep-15	
Drilling	0.0	77.0	Laframboise Drilling	2018-Sep-12	Sep-12	
Geotech + Orient	0.0	77.0	Ebison Eldho	2018-Sep-13	Sep-13	
Core Logging	0.0	77.0	Gerhard Kiessling	2018-Sep-15	Sep-15	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment			
0.00	2.80	CAS Casing	CAS	**Casing**			
2.80	77.00	IMDIA	DIA	**Main Nipissing**			
		Diabase. Coarse grained, massive, crystalline intrusive, 60-70% mafics, 30-40% leucocratics. No major alteration, minor veining with vein hosted tr py/cpy at best near the start of hole. From 55-77m, the size varies from mg- to vcg, as if several different pulses came through, no min/structures though.					
		10.80	10.90	VEIN	Carb-Sul	Massive	0.5 cm	0.5 cm white carb vein with dark red hem alt and tr fg py bands parallel to vein.
		12.00	12.06	VEIN	Carb-Sul	Massive	1 cm	1cm thick white carb vein with cg chucks of py within vein, possibly some cpy - looks like tarnished py.
		21.58	22.02	VEIN	Carb-Sul	SetPara	5 cm	Set of parallel white (very slight pinkish tinge) carb veins, the largest being 5cm in thickness, tr fg py, some bleb and wispy chl within, some minor carb healed fractures between veins.
		44.20	44.40	STRC	BX		a = 032°	Small brittle chl breccia, with some repeated fractures. Not quite fault and no gouge.
77.00	77.00	EOH EOH	EOH	**End of Hole**			
	77.00	**EOH**		**End of hole.**			

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722604	9.60	10.60	1.00		50.0		0.5	100	80	<100	80	<100				7
E5722605	10.60	11.50	0.90		50.0		0.3	60	120	<100	60	<100				6
E5722607	11.50	12.15	0.65		100.0		4.6	90	1720	<100	90	100				24
E5722608	12.15	13.00	0.85		50.0		0.9	120	240	<100	60	<100				8
E5722609	20.00	20.89	0.89		40.0		1.0	90	100	<100	70	<100				6
E5722610	20.89	21.48	0.59		30.0		6.6	100	410	<100	50	<100				10
E5722611	21.48	22.03	0.55		170.0		69.7	110	190	<100	40	500				51
E5722613	22.03	23.00	0.97		50.0		2.4	100	140	<100	80	100				8

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
5.00	8.00	3.00	3.08					
8.00	11.00		3.00					
11.00	14.00		3.02					
14.00	17.00		2.99					
17.00	20.00		3.00					
20.00	23.00		3.02					
23.00	26.00		3.01					
26.00	29.00		3.10					
29.00	32.00		3.00					
32.00	35.00		2.94					
35.00	38.00		2.96					
38.00	41.00		3.01					
41.00	44.00		3.01					
44.00	47.00		3.04					
47.00	50.00		3.00					
50.00	53.00		3.05					
53.00	56.00		3.02					
56.00	59.00		3.05					
59.00	62.00		2.97					
62.00	65.00		2.93					
65.00	68.00		3.02					
68.00	71.00		3.10					
71.00	74.00		2.98					
74.00	77.00		3.04					EOH

Cobalt North Project (Juno Property)

Drill Log FCC-18-0130

COLLAR INFORMATION

Easting:	601,086.79 m	**Azimuth:**	220.40°
Northing:	5,248,593.27 m	**Dip:**	-64.90°
Elevation:	290.29 m	**Length:**	89.00 m
Target:	Juno Metals vein		

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	220.4°	220.4°	-64.9°	Collar
20.00	232.9°	220.4°	-65.2°	EZ-Trac
50.00	232.7°	220.2°	-65.2°	EZ-Trac
89.00	232.8°	220.3°	-65.1°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	89.0	Dan Chisholm	2018-Sep-12	Sep-15	
Drilling	0.0	89.0	Laframboise Drilling	2018-Sep-12	Sep-13	
Geotech + Orient	0.0	89.0	Ebison Eldho	2018-Sep-13	Sep-14	
Core Logging	0.0	89.0	Gerhard Kiessling	2018-Sep-15	Sep-15	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	2.00	CAS Casing	CAS	**Casing**

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act

DRILL LOG

GEOLOGY

From	To	Code	Label		Comment			
2.00	89.00	IMDIA	DIA		**Main Nipissing**			
		Diabase. Coarse grained, 60-70% mafics, 30-40% leucocratics, massive, crystalline intrusive. Minor qtz-carb veining and minor py/cpy noted. Qtz vein with 1% cpy at 54.25m. Chl alt altzone from 58-66m with very weak barren carb healed brecciation with tr py, followed by barren hem altzone starting at 66m, with strong hem and some barren sil/ser shears/faults at 69.72m and 70.41m.						
		28.41	28.53	VEIN	Carb	Massive	0.25 cm	Grey opaque barren carb vein, chl alt along sides.
		34.52	34.65	VEIN	Qtz-Carb	Massive	4 cm	Massive grey-white-green qtz-carb vein, blebby chl, one speck cpy.
		35.85	36.05	VEIN	Carb	Massive	1 cm	Grey to white opaque barren carb vein, chl alt along sides.
		54.24	54.75	ALT	SIL	PERVAS	5	Mod silicification fo,llowing qtz vein noted.
		54.24	54.75	MIN			1.0% Sum	1% bleby cpy within sil alt.
		54.25	54.40	VEIN	Qtz-Sulp	Massive	0.25 cm	Grey quarts vein, some minor grye carb, followed by sil alt in host rock and 1% blebs of cpy.
		58.00	66.00	ALT	chl	PERVAS	4	Pervaisve dark chl alt with carb healed fractures.
		58.00	66.00	MIN			0.1% Sum	Tr fg py with crb healed fractures in chl altzone.
		66.00	69.18	ALT	HEM	PERVAS	3	Weak hem alt.
		69.18	69.78	ALT	HEM	PERVAS	8	Strong hem alt, truncates at fault noted.
		69.33	69.44	VEIN	Carb	SetPara	0.25 cm	Set of parallel fractured white carb veins with pinkish colour from the hem alt.
		69.72	69.78	STRC	FAULT		a = 045°	Thin chl fault, truncates the hem alt and starts the ser/sil alt.
		69.78	71.12	ALT	SIL	PERVAS	5	Mod greenish grey silicification and sericite alteration with weak hem.
		70.41	70.47	STRC	FAULT		a = 050°	Another thin chl fault with sil/ser shear beside it, weak hem alt.
		71.00	71.12	VEIN	Carb	Massive	1.5 cm	Grey to light green carb vein, ser/sil witin vein, and weak hem alt.
		74.75	74.92	VEIN	Carb	Massive	0.25 cm	Grey carb vein, barren, hem aurole, chl wisps and along walls.
		83.09	83.17	VEIN	Qtz-Carb	Massive	1 cm	Pink to white carb vein, qtz belbs along sides, pink looks from the hem, possibly spec hem.
		84.37	84.60	VEIN	Qtz-Carb	SetPara	0.225 cm	Two parallel grey qtz and grey carb veins, slightly brecciated, epidote alteration.
89.00	89.00	EOH EOH	EOH		**End of Hole**			
	89.00	**EOH**			**End of hole.**			

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722614	53.00	54.00	1.00		50.0		<0.2		70	100	<100	60	<100			6
E5722615	54.00	55.00	1.00		20.0		0.2		70	120	<100	60	<100		24	4
E5722616	55.00	56.00	1.00		30.0		0.2		100	90	<100	70	<100			5
E5722617	62.00	63.00	1.00		50.0		0.2		<20	70	<100	200	<100		5	6
E5722619	63.00	64.00	1.00		50.0		0.2		<20	100	<100	220	<100		6	6
E5722620	64.00	65.00	1.00		40.0		0.6		<20	150	<100	150	<100		6	5
E5722621	65.00	66.00	1.00		50.0		0.3		40	170	<100	120	100		5	7
E5722622	66.00	67.00	1.00		50.0		0.4		20	160	<100	240	100			7
E5722623	67.00	68.00	1.00		40.0		2.2		30	1050	500	1180	100			17
E5722624	68.00	69.00	1.00		<20.0		0.7		50	340	500	130	100			5
E5722625	69.00	70.00	1.00		60.0		0.6		60	290	<100	100	100			9
E5722627	70.00	71.00	1.00		130.0		<0.2		120	<20	<100	50	300			13
E5722628	71.00	72.00	1.00		30.0		0.6		120	90	200	160	100			6
E5722629	72.00	73.00	1.00		30.0		0.3		130	100	<100	170	<100			6
E5722630	73.00	74.00	1.00		30.0		0.4		110	100	100	120	<100			6
E5722631	74.00	75.00	1.00		30.0		0.4		90	100	100	130	<100			5
E5722633	75.00	76.00	1.00		20.0		0.5		100	110	<100	50	100			4
E5722634	82.00	83.00	1.00		40.0		0.3		<20	60	<100	70	<100			4
E5722635	83.00	84.00	1.00		40.0		0.2		<20	70	<100	70	100			4
E5722636	84.00	85.00	1.00		70.0		<0.2		<20	90	<100	90	200			7
E5722637	85.00	86.00	1.00		40.0		0.3		<20	90	<100	190	100			5

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
5.00	8.00	3.00	3.05					
8.00	11.00		2.99					
11.00	14.00		3.01					
14.00	17.00		3.01					
17.00	20.00		3.07					
20.00	23.00		3.01					
23.00	26.00		3.05					
26.00	29.00		3.00					
29.00	32.00		2.90					
32.00	35.00		3.05					
35.00	38.00		2.99					
38.00	41.00		3.02					
41.00	44.00		3.04					
44.00	47.00		2.99					
47.00	50.00		3.04					
50.00	53.00		2.98					
53.00	56.00		2.97					
56.00	59.00		2.98					
59.00	62.00		2.98					
62.00	65.00		3.05					
65.00	68.00		3.08					
68.00	71.00		2.92					
71.00	74.00		2.98					
74.00	77.00		3.00					
77.00	80.00		3.08					
80.00	83.00		3.03					
83.00	86.00		2.95					
86.00	89.00		3.01					EOH

Cobalt North Project (Juno Property)

Drill Log FCC-18-0131

COLLAR INFORMATION

Easting:	601,086.11 m	**Azimuth:**	219.50°
Northing:	5,248,592.98 m	**Dip:**	-45.00°
Elevation:	288.74 m	**Length:**	74.00 m
Target:	Juno Metals vein		

Comments:

ORIENTATION TESTS

Depth	Measured	Az	Dip	Test Type
0.00	219.5°	219.5°	-45.0°	Collar
20.00	232.8°	220.3°	-44.2°	EZ-Trac
50.00	232.2°	219.7°	-44.2°	EZ-Trac

WORK DONE BY

Work	From	To	Worker	Start	End	Comments
Supervision	0.0	74.0	Dan Chisholm	2018-Sep-13	Sep-15	
Drilling	0.0	74.0	Laframboise Drilling	2018-Sep-13	Sep-13	
Geotech + Orient	0.0	74.0	Ebison Eldho	2018-Sep-14	Sep-14	
Core Logging	0.0	74.0	Gerhard Kiessling	2018-Sep-15	Sep-15	

DRILL LOG

GEOLOGY

From	To	Code	Label	Comment
0.00	2.35	CAS Casing.	CAS	**Casing**

VISUAL ESTIMATES AND ASSAY RESULTS

Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act

DRILL LOG

GEOLOGY

From	To	Code	Label		Comment			
2.35	74.00	IMDIA	DIA		**Main Nipissing**			
		Diabase. Coarse grained, 60-70% mafics, 30-40% leucocratics, massive, crystalline intrusive. Some weak quarts carb veins with weak hem auroles between 17-36m, barren to tr py\cpy. No major alteration or structures.						
		11.60	11.74	STRC	FAULT		a = 024°	Small little chl fault, platy chl falling out of it, no fg gouge though, barren.
		17.72	17.78	VEIN	Carb	Massive	0.2 cm	Thin white carb vein, chl alt, tr-1% diss cpy in host rock surrounding vein.
		18.32	18.50	VEIN	Carb-Sul	SetPara	1 cm	Two white carb vein, chl blebs, and along walls of veins, barren to tr fg py.
		27.20	27.25	VEIN	Carb	Massive	1 cm	1cm grey carb vein, weak chl wisps, weak hem alt aurole, barren.
		27.45	28.50	VEIN	Qtz-Carb	Massive	1 cm	Grey qtz-carb vein, barren.
		30.43	30.70	VEIN	Carb	Massive	4 cm	Massive dark grey carb vein, chl blebs, weak hem alt within vein, chl/ground slcik at 142.
		30.43	30.70	STRC	SLICK		a = 021°	Ground/chl slick on side of carb vein noted.
		31.40	31.51	VEIN	Carb	Massive	5 cm	5cm pink/white to grey carb vein, barren, chl blebs, and mod ehm aurole around vein.
		32.35	32.41	VEIN	Carb	Massive	2 cm	White carb vein, weak chl planes within vein and along sides, barren.
		34.64	34.78	VEIN	Qtz-Carb	Massive	6 cm	White carb/grey qtz vein, wipsy and bleby chl, barren, weak hem aurole.
		35.00	36.00	VEIN	Qtz-Carb	SetPara	0.5 cm	Set of paralle quarts/carb veins, barren, grey to white carb.
		62.47	62.75	VEIN	Carb		0.2 cm	
74.00	74.00	EOH	EOH		**End of Hole**			
		EOH						
	74.00	**EOH**			**End of hole.**			

VISUAL ESTIMATES AND ASSAY RESULTS

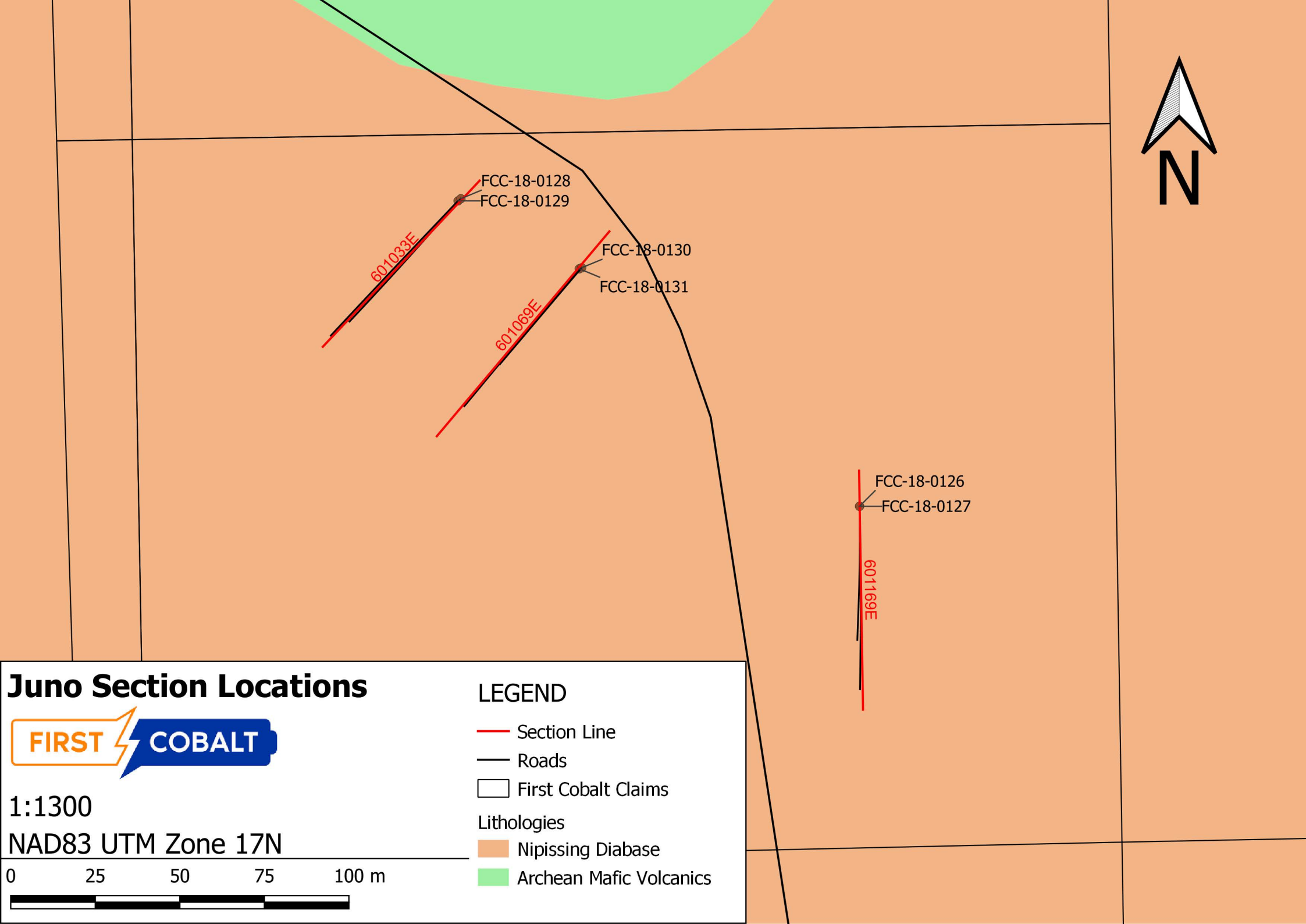
Sample	From	To	Len	Co est	Co ppm	Ag est	Ag gpt	Bi ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	S %	$/t est	$/t act
E5722639	16.00	17.00	1.00		40.0		<0.2		80	90	<100	70	<100			5
E5722640	17.00	18.00	1.00		40.0		<0.2		90	80	<100	50	<100			5
E5722641	18.00	19.00	1.00		40.0		<0.2		100	110	<100	50	<100			6
E5722642	19.00	20.00	1.00		30.0		0.4		100	260	<100	120	<100			6
E5722643	26.00	27.00	1.00		40.0		<0.2		70	90	<100	80	<100			5
E5722644	27.00	28.00	1.00		50.0		0.3		100	140	<100	80	<100			7
E5722645	28.00	29.00	1.00		30.0		<0.2		130	120	<100	90	<100			6
E5722647	29.00	30.00	1.00		40.0		0.2		90	110	<100	90	<100			6
E5722648	30.00	31.00	1.00		40.0		1.0		80	120	<100	100	<100			6
E5722649	31.00	32.00	1.00		40.0		0.2		90	130	<100	60	<100			6
E5722650	32.00	33.00	1.00		40.0		<0.2		100	120	<100	60	<100			6
E5722651	33.00	34.00	1.00		50.0		0.3		100	120	<100	110	<100			7
E5722653	34.00	35.00	1.00		40.0		0.5		110	100	<100	60	<100			6
E5722654	35.00	36.00	1.00		40.0		0.7		90	130	<100	80	<100			6
E5722655	36.00	37.00	1.00		40.0		<0.2		110	120	<100	90	<100			6
E5722656	61.00	62.00	1.00		40.0		<0.2		110	150	<100	70	<100			6
E5722657	62.00	63.00	1.00		30.0		<0.2		80	130	<100	30	<100			5
E5722659	63.00	64.00	1.00		40.0		<0.2		160	110	<100	50	<100			7

GEOTECHNICAL MEASUREMENTS

From	To	Len	TCR m	TCR %	RQD m	RQD %	Breaks	Comments
5.00	8.00	3.00	2.97					
8.00	11.00		3.04					
11.00	14.00		2.95					
14.00	17.00		3.03					
17.00	20.00		3.00					
20.00	23.00		3.03					
23.00	26.00		3.02					
26.00	29.00		3.00					
29.00	32.00		3.01					
32.00	35.00		2.91					LOL @34.85
35.00	38.00		3.03					
38.00	41.00		3.02					
41.00	44.00		2.96					
44.00	47.00		3.00					
47.00	50.00		2.97					
50.00	53.00		3.02					
53.00	56.00		3.07					
56.00	59.00		2.99					
59.00	62.00		3.00					LOL@61.12
62.00	65.00		2.96					
65.00	68.00		3.06					
68.00	71.00		2.99					
71.00	74.00		3.09					EOH

APPENDIX III

DRILL SECTIONS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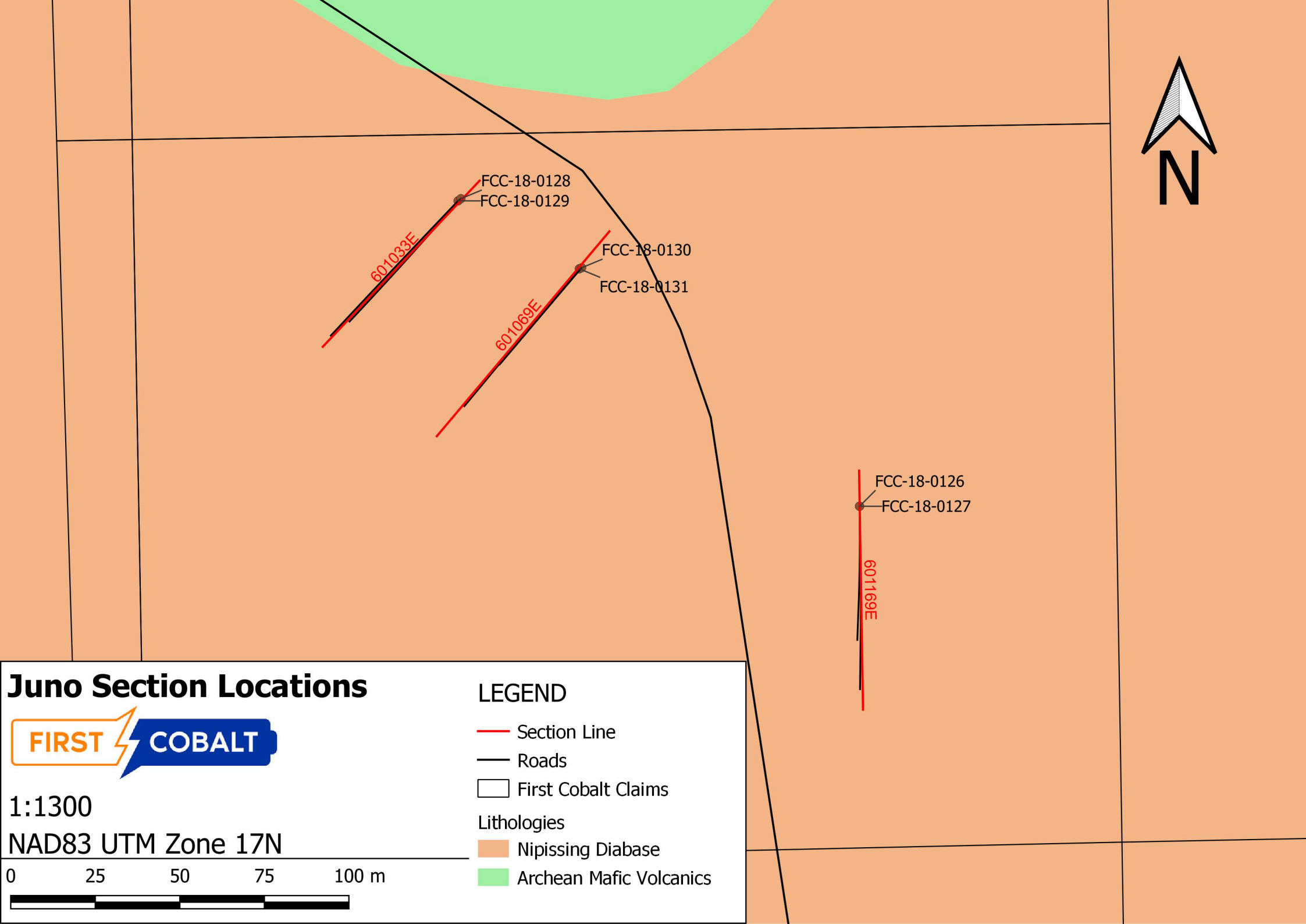
FCC-18-0129
601033E
FCC-18-0130
FCC-18-0131
601069E
FCC-18-0126
FCC-18-0127
601169E
N
Juno Section Locations
FIRST COBALT
1:1300
NAD83 UTM Zone 17N
0
25
50
75
100 m
LEGEND
Section Line
Roads
First Cobalt Claims
Lithologies
Nipissing Diabase
Archean Mafic Volcanics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601033E
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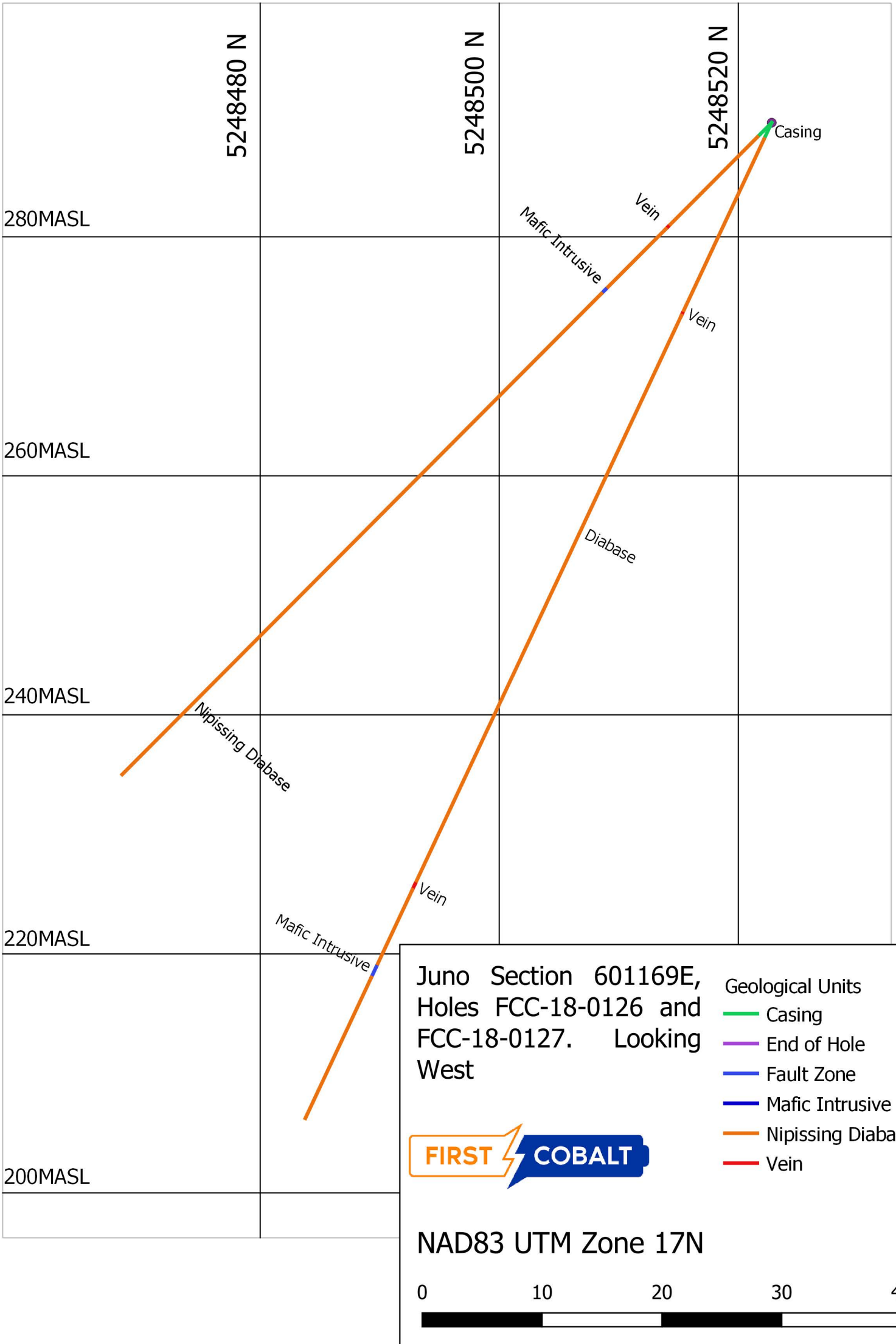
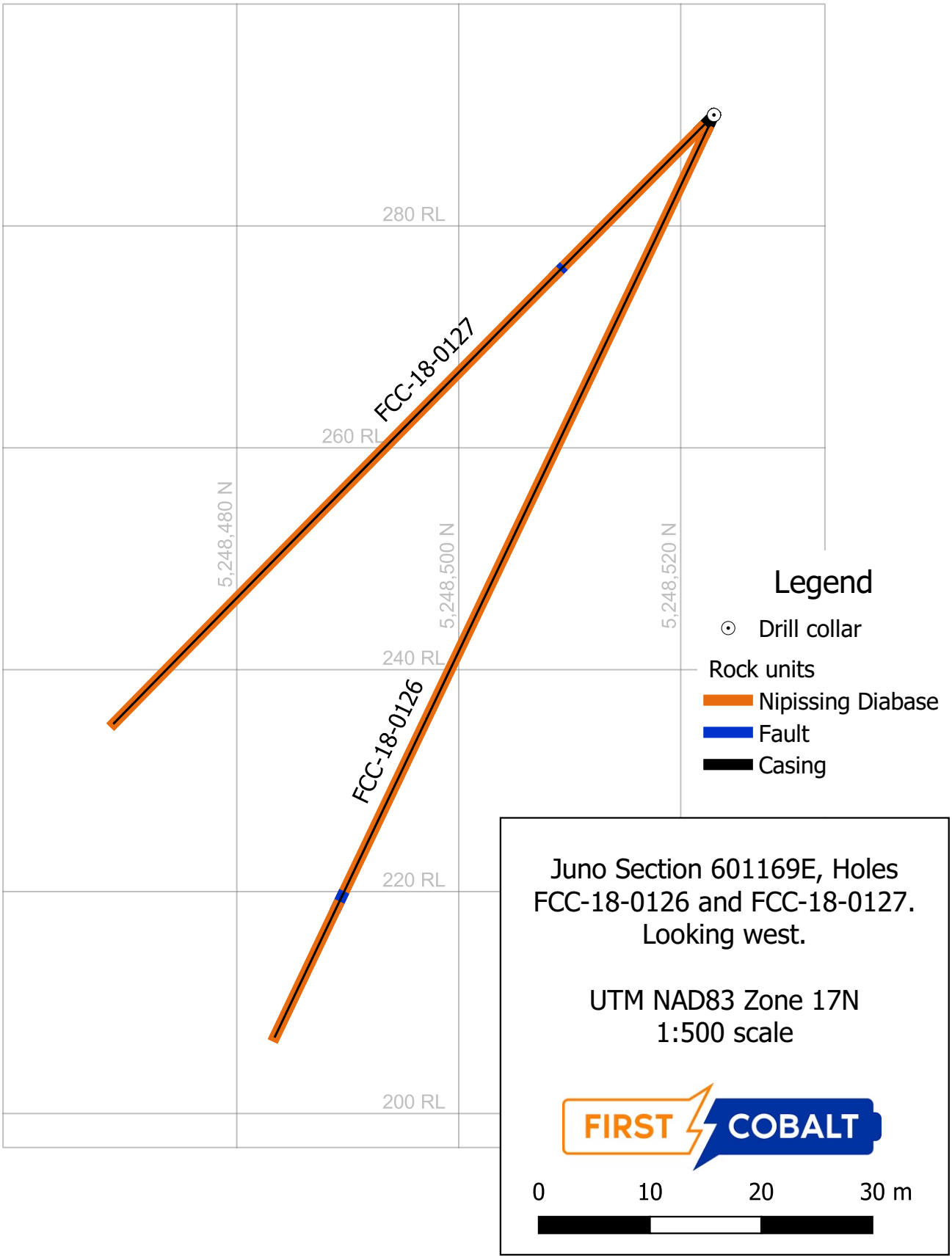
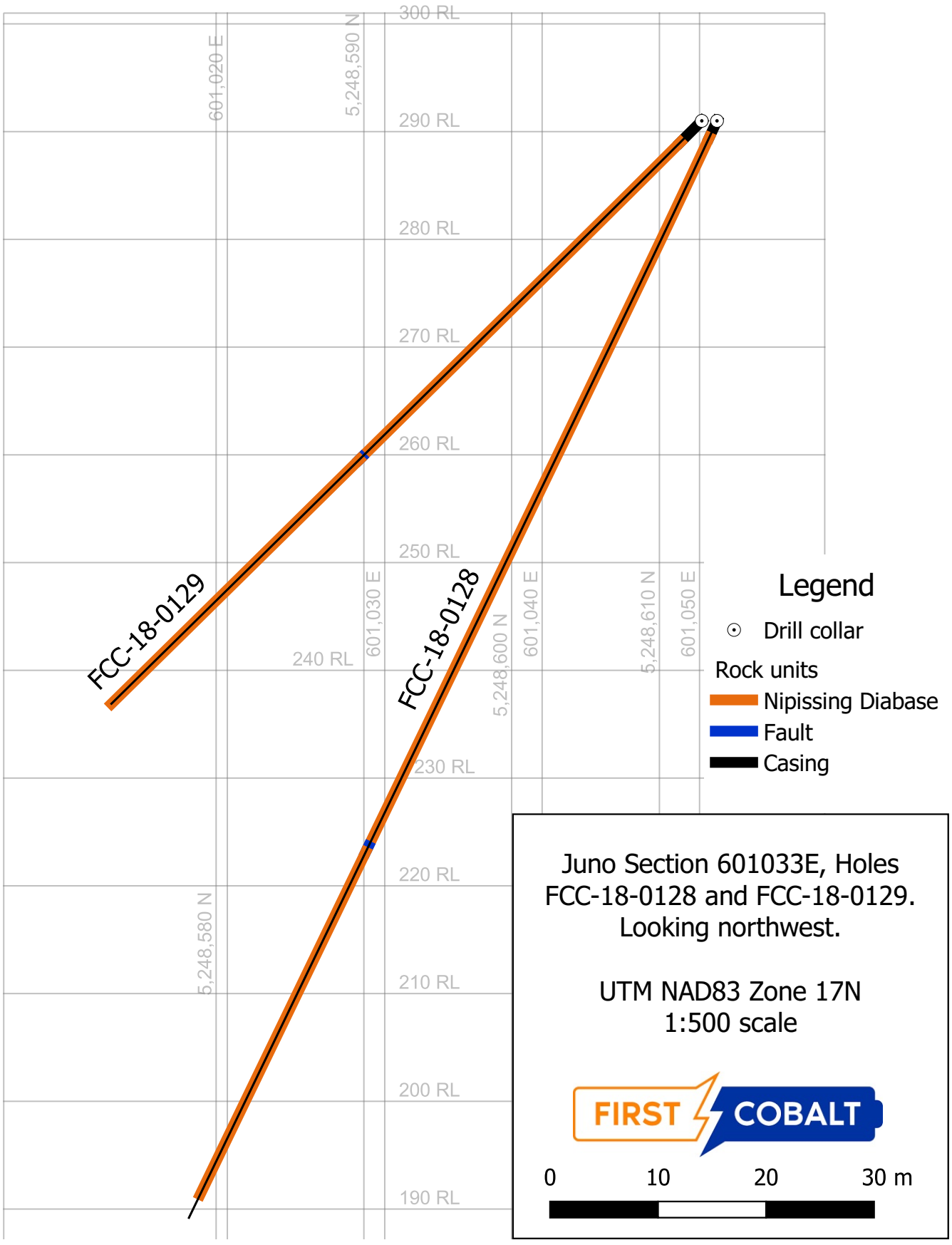
601069E
FCC-18-0126
FCC-18-0127
601169E
N
Juno Section Locations
FIRST COBALT
1:1300
NAD83 UTM Zone 17N
0
25
50
75
100 m
LEGEND
Section Line
Roads
First Cobalt Claims
Lithologies
Nipissing Diabase
Archean Mafic Volcanics


5248480 N
5248500 N
5248520 N
280MASL
260MASL
240MASL
220MASL
200MASL
Casing
Vein
Mafic Intrusive
Vein
Diabase
Nipissing Diabase
Vein
Mafic Intrusive
Juno Section 601169E, Holes FCC-18-0126 and FCC-18-0127. Looking West
FIRST COBALT
NAD83 UTM Zone 17N
0
10
20
30
40 m
Geological Units
Casing
End of Hole
Fault Zone
Mafic Intrusive
Nipissing Diabase
Vein


280 RL
260 RL
240 RL
220 RL
200 RL
5,248,480 N
5,248,500 N
5,248,520 N
FCC-18-0127
FCC-18-0126
Legend
Drill collar
Rock units
Nipissing Diabase
Fault
Casing
Juno Section 601169E, Holes FCC-18-0126 and FCC-18-0127. Looking west.
UTM NAD83 Zone 17N
1:500 scale
FIRST COBALT
0
10
20
30 m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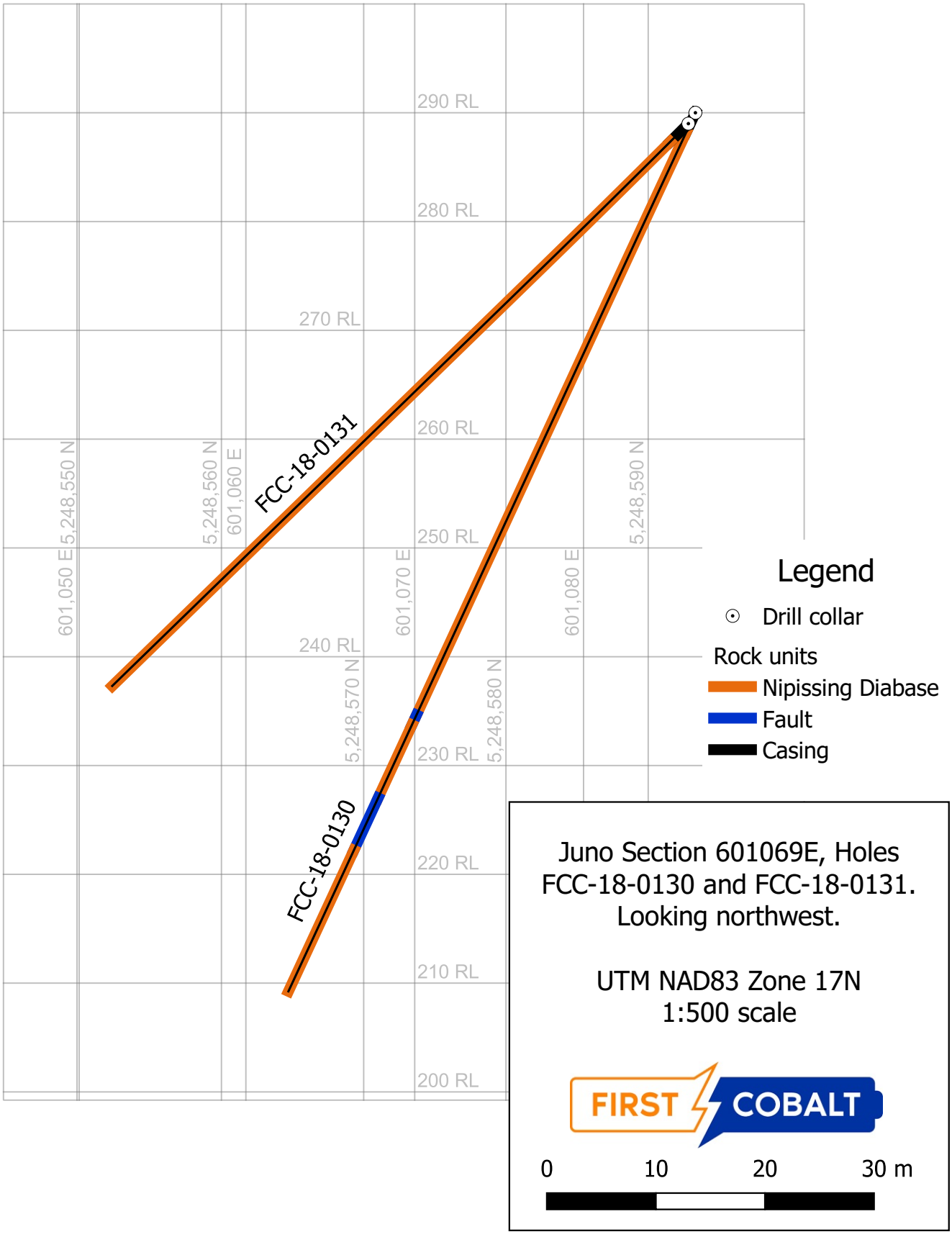
290 RL
280 RL
270 RL
260 RL
250 RL
240 RL
230 RL
220 RL
210 RL
200 RL
190 RL
601,020 E
5,248,590 N
601,030 E
601,040 E
5,248,600 N
601,050 E
5,248,610 N
5,248,580 N
FCC-18-0129
FCC-18-0128
Legend
Drill collar
Rock units
Nipissing Diabase
Fault
Casing
Juno Section 601033E, Holes FCC-18-0128 and FCC-18-0129. Looking northwest.
UTM NAD83 Zone 17N
1:500 scale
FIRST COBALT
0
10
20
30 m


290 RL
280 RL
270 RL
260 RL
250 RL
240 RL
230 RL
220 RL
210 RL
200 RL
601,050 E
5,248,550 N
601,060 E
5,248,560 N
601,070 E
5,248,570 N
601,080 E
5,248,580 N
5,248,590 N
FCC-18-0131
FCC-18-0130
Legend
Drill collar
Rock units
Nipissing Diabase
Fault
Casing
Juno Section 601069E, Holes FCC-18-0130 and FCC-18-0131. Looking northwest.
UTM NAD83 Zone 17N
1:500 scale
FIRST COBALT
0
10
20
30 m

APPENDIX IV

ASSAY CERTIFICATES

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

CERTIFICATE OF ANALYSIS SD18232664

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
E5722509		1.33	0.004	0.003	0.009	<0.01	0.008	0.2	<0.01	78.9	92.9
E5722510		1.97	0.004	0.002	0.008	<0.01	0.006	0.2	0.01		92.9
E5722511		1.96	0.006	0.006	0.011	0.11	0.008	2.2	<0.01		
E5722512		1.41	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722513		2.11	0.004	0.012	0.006	0.11	0.066	0.9	0.01		
E5722514		2.15	0.004	0.007	0.009	0.06	0.021	0.3	<0.01		
E5722515		2.28	0.003	0.019	0.010	0.15	0.067	1.1	<0.01		
E5722516		2.74	0.003	0.012	0.008	<0.01	0.008	0.5	<0.01		
E5722517		2.13	0.006	0.016	0.013	<0.01	0.009	0.9	<0.01		
E5722518		<0.02	0.007	0.012	0.010	<0.01	0.009	0.6	<0.01		
E5722519		2.20	0.005	0.006	0.010	<0.01	0.010	0.5	<0.01		
E5722520		0.90	0.006	0.017	0.010	0.03	0.046	1.3	0.01		
E5722521		1.10	0.005	0.010	0.013	0.01	0.017	0.3	<0.01		
E5722522		2.13	0.004	0.026	0.009	<0.01	0.020	1.0	<0.01		
E5722523		2.15	0.002	0.005	0.010	<0.01	0.004	<0.2	<0.01		
E5722524		2.11	0.003	0.007	0.005	<0.01	0.004	<0.2	<0.01		
E5722525		1.86	0.004	0.009	0.012	0.04	0.011	0.5	<0.01		
E5722526		<0.02	0.099	0.303	0.018	<0.01	<0.002	<0.2	0.05		
E5722527		1.13	0.004	0.011	0.007	0.08	0.024	0.4	<0.01		
E5722528		0.82	0.004	0.019	0.010	0.03	0.701	1.1	<0.01		
E5722529		1.74	0.002	0.003	0.005	0.01	0.014	0.7	<0.01		
E5722530		0.90	0.003	0.003	0.011	<0.01	0.010	<0.2	<0.01		
E5722531		0.63	0.003	0.018	0.007	0.14	0.051	8.3	<0.01		
E5722532		<0.02	0.100	0.295	0.015	<0.01	<0.002	<0.2	0.06		
E5722533		1.61	<0.002	0.003	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722534		1.05	0.003	0.015	0.004	<0.01	0.007	<0.2	<0.01		
E5722535		0.81	0.003	0.010	0.007	<0.01	0.007	<0.2	<0.01		
E5722536		1.66	0.004	0.012	0.008	<0.01	0.010	<0.2	<0.01		
E5722537		1.83	0.003	0.012	0.009	<0.01	0.009	<0.2	<0.01		
E5722538		1.60	0.004	0.012	0.008	<0.01	0.009	<0.2	0.01		
E5722539		2.24	0.003	0.009	0.010	<0.01	0.006	<0.2	<0.01		
E5722540		2.16	0.004	0.013	0.008	<0.01	0.022	0.4	<0.01		
E5722541		2.34	0.003	0.012	0.011	<0.01	0.008	<0.2	<0.01		
E5722542		2.29	0.004	0.010	0.013	<0.01	0.006	<0.2	<0.01		
E5722543		2.42	0.003	0.008	0.009	<0.01	0.005	<0.2	<0.01		
E5722544		2.31	0.003	0.026	0.011	<0.01	0.027	<0.2	<0.01		
E5722545		2.30	0.004	0.006	0.010	<0.01	0.019	<0.2	<0.01		
E5722546		<0.02	0.100	0.301	0.017	<0.01	<0.002	<0.2	0.06		
E5722547		2.36	0.004	0.009	0.010	<0.01	0.007	<0.2	<0.01		
E5722548		2.20	0.003	0.011	0.006	<0.01	0.008	<0.2	<0.01	75.9	88.7

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

CERTIFICATE OF ANALYSIS SD18232664

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
E5722549		2.23	0.004	0.009	0.003	<0.01	0.007	<0.2	<0.01		
E5722550		2.26	0.004	0.013	0.005	<0.01	0.007	<0.2	<0.01		
E5722551		0.76	0.003	0.021	0.005	<0.01	0.011	0.3	<0.01		
E5722552		1.54	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	0.01		
E5722553		1.17	0.002	0.007	<0.002	0.03	0.029	1.0	<0.01		
E5722554		1.34	0.002	0.021	0.009	<0.01	0.011	<0.2	0.01		
E5722555		1.10	0.004	0.016	0.007	<0.01	0.009	<0.2	<0.01		
E5722556		1.92	0.004	0.013	0.006	<0.01	0.008	<0.2	<0.01		
E5722557		2.15	0.004	0.013	0.005	<0.01	0.010	<0.2	<0.01		
E5722558		<0.02	0.004	0.014	0.007	<0.01	0.010	<0.2	<0.01		
E5722559		1.99	0.004	0.014	0.004	<0.01	0.009	<0.2	<0.01		
E5722560		2.48	0.004	0.012	0.008	<0.01	0.010	<0.2	<0.01		
E5722561		2.26	0.004	0.012	0.007	<0.01	0.007	<0.2	<0.01		
E5722562		2.33	0.002	0.012	0.005	<0.01	0.006	0.2	<0.01		
E5722563		1.62	0.004	0.012	0.003	<0.01	0.004	0.4	<0.01		
E5722564		1.89	0.004	0.012	0.008	<0.01	0.009	<0.2	<0.01		
E5722565		2.26	0.005	0.014	0.010	<0.01	0.007	<0.2	<0.01		
E5722566		<0.02	0.100	0.297	0.019	<0.01	<0.002	<0.2	0.06		

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

CERTIFICATE OF ANALYSIS SD18232664

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Applies to Method:	
Ag-AA45	ME-ICP81

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

CERTIFICATE SD18232665

Project: DDH-212

This report is for 37 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-212

CERTIFICATE OF ANALYSIS SD18232665

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
E5722567		1.88	0.003	0.002	0.004	<0.01	0.007	<0.2	0.01	80.8	89.3
E5722568		2.26	0.003	0.023	0.006	0.23	0.012	0.9	<0.01		87.3
E5722569		1.89	0.004	0.005	0.005	0.02	0.009	<0.2	0.01		
E5722570		1.07	0.006	0.194	0.013	0.82	0.124	5.2	0.01		
E5722571		2.46	0.005	0.027	0.005	0.11	0.032	0.8	0.01		
E5722572		1.69	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722573		1.34	0.004	0.017	0.007	0.11	0.041	0.4	0.01		
E5722574		2.47	0.005	0.012	0.009	0.06	0.011	0.7	<0.01		
E5722575		2.44	0.004	0.006	0.010	0.01	0.011	0.2	<0.01		
E5722576		0.94	0.002	0.010	0.003	0.01	0.006	0.5	<0.01		
E5722577		2.38	0.004	0.010	0.009	0.01	0.012	0.6	<0.01		
E5722578		1.15	0.004	0.010	0.006	0.01	0.011	0.4	0.01		
E5722579		2.61	0.005	0.022	0.009	0.01	0.020	0.5	<0.01		
E5722580		1.91	0.004	0.003	0.008	<0.01	0.009	0.5	<0.01		
E5722581		0.74	0.003	0.011	0.003	<0.01	0.004	0.3	<0.01		
E5722582		0.72	0.009	0.067	0.010	<0.01	0.002	1.5	<0.01		
E5722583		1.65	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722584		0.02	0.099	0.299	0.015	<0.01	<0.002	0.4	0.06		
E5722585		0.88	0.004	0.005	0.010	<0.01	0.009	0.4	<0.01		
E5722586		<0.02	0.097	0.296	0.014	<0.01	<0.002	0.3	0.06		
E5722587		2.22	0.008	0.013	0.011	0.03	0.057	3.0	<0.01		
E5722588		2.15	0.005	0.012	0.008	0.02	0.016	1.5	<0.01		
E5722589		2.21	0.005	0.021	0.007	<0.01	0.010	0.9	<0.01		
E5722590		2.08	0.003	0.009	0.010	<0.01	0.009	0.6	<0.01		
E5722591		2.06	0.003	0.022	0.006	<0.01	0.008	2.0	<0.01		
E5722592		1.49	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722593		2.00	0.002	0.002	0.008	<0.01	0.008	<0.2	<0.01		
E5722594		1.74	0.002	0.006	0.004	<0.01	0.008	0.3	<0.01		
E5722595		1.43	0.004	0.046	0.006	<0.01	0.006	1.0	<0.01		
E5722596		1.42	0.005	0.017	0.007	0.02	0.013	1.0	<0.01		
E5722597		2.53	0.004	0.012	0.008	<0.01	0.010	0.2	<0.01		
E5722598		<0.02	0.004	0.012	0.007	<0.01	0.010	0.3	<0.01		
E5722599		1.40	0.004	0.012	0.006	<0.01	0.010	0.2	<0.01		
E5722600		2.59	0.003	0.012	0.008	<0.01	0.015	0.3	<0.01		
E5722601		1.37	0.003	0.011	0.008	<0.01	0.007	0.2	<0.01		
E5722602		1.40	0.003	0.012	0.008	<0.01	0.008	0.3	<0.01		
E5722603		2.62	0.004	0.011	0.010	<0.01	0.008	0.2	<0.01		

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

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-212

CERTIFICATE OF ANALYSIS SD18232665

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-21d
	LOG-23	PUL-31	PUL-31d	PUL-QC
	SPL-21	SPL-21d	WEI-21	

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

Applies to Method:		
	Ag-AA45	ME-ICP81

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

CERTIFICATE SD18232666

Project: DDH-214

This report is for 10 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

Project: DDH-214

CERTIFICATE OF ANALYSIS SD18232666

Sample Description	Method	WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	Ag-AA45	ME-ICP81	CRU-QC	PUL-QC
	Analyte	Recvd Wt.	Co	Cu	Ni	Pb	Zn	Ag	As	Pass2mm	Pass75um
	Units	kg	%	%	%	%	%	ppm	%	%	%
	LOD	0.02	0.002	0.002	0.002	0.01	0.002	0.2	0.01	0.01	0.01
E5722604		2.16	0.005	0.008	0.010	<0.01	0.008	0.5	<0.01	75.4	86.5
E5722605		2.06	0.005	0.012	0.006	<0.01	0.006	0.3	<0.01		89.4
E5722606		<0.02	0.098	0.298	0.016	<0.01	<0.002	<0.2	0.06		
E5722607		1.69	0.010	0.172	0.009	<0.01	0.009	4.6	0.01		
E5722608		1.80	0.005	0.024	0.012	<0.01	0.006	0.9	<0.01		
E5722609		2.11	0.004	0.009	0.012	<0.01	0.006	1.0	0.01		
E5722610		1.35	0.003	0.041	0.010	<0.01	0.005	6.6	<0.01		
E5722611		1.16	0.017	0.019	0.011	<0.01	0.004	69.7	0.05		
E5722612		1.57	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722613		2.42	0.005	0.014	0.010	<0.01	0.008	2.4	0.01		

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

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

Project: DDH-214

CERTIFICATE OF ANALYSIS SD18232666

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

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

Applies to Method:		
Ag-AA45	ME-ICP81	

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

CERTIFICATE SD18232668

Project: DDH-215

This report is for 25 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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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www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-215

CERTIFICATE OF ANALYSIS SD18232668

Sample Description	Method	WEI-21	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	Ag-AA45	ME-ICP81	CRU-QC	PUL-QC
	Analyte	Recvd Wt.	Co	Cu	Ni	Pb	Zn	Ag	As	Pass2mm	Pass75um
	Units	kg	%	%	%	%	%	ppm	%	%	%
	LOD	0.02	0.002	0.002	0.002	0.01	0.002	0.2	0.01	0.01	0.01
E5722614		2.31	0.005	0.010	0.007	<0.01	0.006	<0.2	<0.01	74.4	88.7
E5722615		2.19	0.002	0.012	0.007	<0.01	0.006	0.2	<0.01		87.5
E5722616		2.48	0.003	0.009	0.010	<0.01	0.007	0.2	<0.01		
E5722617		2.43	0.005	0.007	<0.002	<0.01	0.020	0.2	<0.01		
E5722618		<0.02	0.005	0.008	<0.002	<0.01	0.021	0.2	<0.01		
E5722619		2.50	0.005	0.010	<0.002	<0.01	0.022	0.2	<0.01		
E5722620		2.52	0.004	0.015	<0.002	<0.01	0.015	0.6	<0.01		
E5722621		2.30	0.005	0.017	0.004	<0.01	0.012	0.3	0.01		
E5722622		2.53	0.005	0.016	0.002	<0.01	0.024	0.4	0.01		
E5722623		2.50	0.004	0.105	0.003	0.05	0.118	2.2	0.01		
E5722624		2.26	<0.002	0.034	0.005	0.05	0.013	0.7	0.01		
E5722625		1.99	0.006	0.029	0.006	<0.01	0.010	0.6	0.01		
E5722626		<0.02	0.098	0.302	0.015	<0.01	<0.002	0.4	0.06		
E5722627		2.37	0.013	<0.002	0.012	<0.01	0.005	<0.2	0.03		
E5722628		2.49	0.003	0.009	0.012	0.02	0.016	0.6	0.01		
E5722629		2.35	0.003	0.010	0.011	<0.01	0.016	0.3	<0.01		
E5722630		2.38	0.003	0.010	0.011	0.01	0.012	0.4	<0.01		
E5722631		2.15	0.003	0.010	0.009	0.01	0.013	0.4	<0.01		
E5722632		1.51	<0.002	0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722633		2.16	0.002	0.011	0.010	<0.01	0.005	0.5	0.01		
E5722634		2.32	0.004	0.006	<0.002	<0.01	0.007	0.3	<0.01		
E5722635		1.98	0.004	0.007	<0.002	<0.01	0.007	0.2	0.01		
E5722636		2.39	0.007	0.009	<0.002	<0.01	0.009	<0.2	0.02		
E5722637		2.66	0.004	0.009	<0.002	<0.01	0.019	0.3	0.01		
E5722638		<0.02	0.005	0.010	0.002	<0.01	0.019	0.3	<0.01		

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

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-215

CERTIFICATE OF ANALYSIS SD18232668

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	LOG-21d
	LOG-23	PUL-31	PUL-31d	PUL-QC
	SPL-21	SPL-21d	WEI-21	

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

Applies to Method:		
	Ag-AA45	ME-ICP81

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

CERTIFICATE SD18232669

Project: DDH-216

This report is for 21 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-216

CERTIFICATE OF ANALYSIS SD18232669

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01
E5722639		2.74	0.004	0.009	0.008	<0.01	0.007	<0.2	<0.01	74.3	87.5
E5722640		2.57	0.004	0.008	0.009	<0.01	0.005	<0.2	<0.01		88.8
E5722641		2.48	0.004	0.011	0.010	<0.01	0.005	<0.2	<0.01		
E5722642		2.33	0.003	0.026	0.010	<0.01	0.012	0.4	<0.01		
E5722643		2.66	0.004	0.009	0.007	<0.01	0.008	<0.2	<0.01		
E5722644		2.46	0.005	0.014	0.010	<0.01	0.008	0.3	<0.01		
E5722645		2.42	0.003	0.012	0.013	<0.01	0.009	<0.2	<0.01		
E5722646		<0.02	0.096	0.295	0.016	<0.01	<0.002	<0.2	0.06		
E5722647		2.68	0.004	0.011	0.009	<0.01	0.009	0.2	<0.01		
E5722648		2.61	0.004	0.012	0.008	<0.01	0.010	1.0	<0.01		
E5722649		2.29	0.004	0.013	0.009	<0.01	0.006	0.2	<0.01		
E5722650		2.67	0.004	0.012	0.010	<0.01	0.006	<0.2	<0.01		
E5722651		2.74	0.005	0.012	0.010	<0.01	0.011	0.3	<0.01		
E5722652		1.75	<0.002	<0.002	<0.002	<0.01	<0.002	<0.2	<0.01		
E5722653		2.18	0.004	0.010	0.011	<0.01	0.006	0.5	<0.01		
E5722654		2.52	0.004	0.013	0.009	<0.01	0.008	0.7	<0.01		
E5722655		2.25	0.004	0.012	0.011	<0.01	0.009	<0.2	<0.01		
E5722656		2.69	0.004	0.015	0.011	<0.01	0.007	<0.2	<0.01		
E5722657		2.67	0.003	0.013	0.008	<0.01	0.003	<0.2	<0.01		
E5722658		<0.02	0.004	0.010	0.011	<0.01	0.004	<0.2	<0.01		
E5722659		2.74	0.004	0.011	0.016	<0.01	0.005	<0.2	<0.01		

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

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
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Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-216

CERTIFICATE OF ANALYSIS SD18232669

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d	
LOG-23	PUL-31	PUL-31d	PUL-QC	
SPL-21	SPL-21d	WEI-21		

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

Applies to Method:			
Ag-AA45	ME-ICP81		

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

QC CERTIFICATE SD18232664

Project: DDH-211

This report is for 58 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

QC CERTIFICATE OF ANALYSIS SD18232664

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
STANDARDS								
AMIS0281		0.018	5.57	1.750	<0.01	0.075		<0.01
AMIS0281		0.019	5.56	1.720	<0.01	0.075		<0.01
AMIS0281		0.018	5.68	1.735	<0.01	0.076		<0.01
Target Range - Lower Bound		0.013	5.27	1.650	<0.01	0.070		<0.01
Upper Bound		0.021	5.83	1.830	0.03	0.084		0.02
AMIS0324		0.315	3.03	5.37	0.03	0.040		0.08
AMIS0324		0.322	3.12	5.46	0.03	0.039		0.07
Target Range - Lower Bound		0.304	3.02	5.30	<0.01	0.036		0.04
Upper Bound		0.341	3.34	5.87	0.05	0.046		0.09
EMOG-17							64.0	
Target Range - Lower Bound							61.2	
Upper Bound							71.0	
GBM906-1							22.1	
GBM906-1							22.1	
Target Range - Lower Bound							20.8	
Upper Bound							24.4	
MP-1b		<0.002	3.08	<0.002	2.08	16.40		2.34
MP-1b		<0.002	3.07	<0.002	2.07	16.65		2.34
MP-1b		<0.002	3.08	<0.002	2.08	16.75		2.36
Target Range - Lower Bound		<0.002	2.91	<0.002	1.93	15.50		2.13
Upper Bound		0.004	3.22	0.005	2.25	17.85		2.47
MRGeo08							4.2	
MRGeo08							4.2	
Target Range - Lower Bound							3.9	
Upper Bound							5.0	
OREAS-132a							53.6	
Target Range - Lower Bound							51.5	
Upper Bound							59.7	
SU-1b		0.067	1.155	1.980	<0.01	0.026		<0.01
SU-1b		0.067	1.170	1.970	<0.01	0.024		0.01
Target Range - Lower Bound		0.062	1.125	1.855	<0.01	0.022		<0.01
Upper Bound		0.073	1.245	2.05	0.03	0.032		0.02

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

QC CERTIFICATE OF ANALYSIS SD18232664

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
BLANKS								
BLANK							<0.2	
BLANK							<0.2	
BLANK							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
BLANK		<0.002	<0.002	0.002	<0.01	<0.002		<0.01
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
BLANK		<0.002	0.002	<0.002	<0.01	<0.002		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Upper Bound		0.004	0.004	0.004	0.02	0.004		0.02
DUPLICATES								
ORIGINAL		<0.002	<0.002	<0.002	0.04	0.068		<0.01
DUP		<0.002	<0.002	<0.002	0.04	0.066		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	0.03	0.062		<0.01
Upper Bound		0.004	0.004	0.004	0.05	0.072		0.02
E5722488							0.2	
DUP							0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
E5722502		0.004	<0.002	0.008	<0.01	0.007		<0.01
DUP		0.004	<0.002	0.009	<0.01	0.009		<0.01
Target Range - Lower Bound		<0.002	<0.002	0.006	<0.01	0.006		<0.01
Upper Bound		0.006	0.004	0.011	0.02	0.010		0.02
E5722523							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	

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

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

QC CERTIFICATE OF ANALYSIS SD18232664

Sample Description / Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
DUPLICATES							
E5722537	0.003	0.012	0.009	<0.01	0.009		<0.01
DUP	0.003	0.011	0.010	<0.01	0.009		<0.01
Target Range - Lower Bound	<0.002	0.009	0.007	<0.01	0.007		<0.01
Upper Bound	0.004	0.014	0.012	0.02	0.011		0.02
E5722559						<0.2	
DUP						<0.2	
Target Range - Lower Bound						<0.2	
Upper Bound						0.4	
E5722609	0.004	0.009	0.012	<0.01	0.006		0.01
DUP	0.004	0.010	0.009	<0.01	0.007		<0.01
Target Range - Lower Bound	<0.002	0.007	0.008	<0.01	0.004		<0.01
Upper Bound	0.006	0.012	0.013	0.02	0.009		0.02
E5722629	0.003	0.010	0.011	<0.01	0.016		<0.01
DUP	0.003	0.010	0.013	<0.01	0.017		<0.01
Target Range - Lower Bound	<0.002	0.008	0.010	<0.01	0.014		<0.01
Upper Bound	0.004	0.012	0.014	0.02	0.019		0.02
PREP DUPLICATES							
E5722565	0.005	0.014	0.010	<0.01	0.007	<0.2	<0.01
E5722565 PREP DUP	0.005	0.016	0.011	<0.01	0.008	<0.2	<0.01

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

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 3-OCT-2018
Account: FCCLMSXQ

Project: DDH-211

QC CERTIFICATE OF ANALYSIS SD18232664

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Applies to Method:		
Ag-AA45	ME-ICP81	

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

QC CERTIFICATE SD18232665

Project: DDH-212

This report is for 37 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-212

QC CERTIFICATE OF ANALYSIS SD18232665

Sample Description	Method Analyte Units LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
STANDARDS								
AMIS0281		0.018	5.53	1.770	<0.01	0.075		<0.01
Target Range - Lower Bound		0.013	5.27	1.650	<0.01	0.070		<0.01
Upper Bound		0.021	5.83	1.830	0.03	0.084		0.02
AMIS0324		0.319	3.05	5.43	0.04	0.040		0.07
Target Range - Lower Bound		0.304	3.02	5.30	<0.01	0.036		0.04
Upper Bound		0.341	3.34	5.87	0.05	0.046		0.09
EMOG-17							65.4	
Target Range - Lower Bound							61.2	
Upper Bound							71.0	
GBM906-1							21.2	
Target Range - Lower Bound							20.8	
Upper Bound							24.4	
MP-1b		<0.002	3.03	<0.002	2.06	16.45		2.36
Target Range - Lower Bound		<0.002	2.91	<0.002	1.93	15.50		2.13
Upper Bound		0.004	3.22	0.005	2.25	17.85		2.47
MRGeo08							4.0	
Target Range - Lower Bound							3.9	
Upper Bound							5.0	
OREAS-132a							56.4	
Target Range - Lower Bound							51.5	
Upper Bound							59.7	
SU-1b		0.066	1.140	1.975	<0.01	0.026		<0.01
Target Range - Lower Bound		0.062	1.125	1.855	<0.01	0.022		<0.01
Upper Bound		0.073	1.245	2.05	0.03	0.032		0.02
BLANKS								
BLANK							<0.2	
BLANK							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
BLANK		<0.002	0.003	0.002	<0.01	<0.002		0.01
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Upper Bound		0.004	0.004	0.004	0.02	0.004		0.02

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-212

QC CERTIFICATE OF ANALYSIS SD18232665

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
				DUPLICATES				
ORIGINAL		0.098	0.263	3.85	<0.01	0.010		<0.01
DUP		0.097	0.263	3.84	<0.01	0.010		<0.01
Target Range - Lower Bound		0.093	0.254	3.75	<0.01	0.008		<0.01
Upper Bound		0.102	0.272	3.94	0.02	0.012		0.02
E5722584		0.099	0.299	0.015	<0.01	<0.002		0.06
DUP		0.100	0.300	0.015	<0.01	<0.002		0.06
Target Range - Lower Bound		0.095	0.290	0.013	<0.01	<0.002		0.05
Upper Bound		0.104	0.309	0.017	0.02	0.004		0.07
E5722593							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
ORIGINAL							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	

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

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-212

QC CERTIFICATE OF ANALYSIS SD18232665

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d	
LOG-23	PUL-31	PUL-31d	PUL-QC	
SPL-21	SPL-21d	WEI-21		

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

Applies to Method:			
Ag-AA45	ME-ICP81		

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

QC CERTIFICATE SD18232666

Project: DDH-214

This report is for 10 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

Project: DDH-214

QC CERTIFICATE OF ANALYSIS SD18232666

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
STANDARDS								
AMIS0281		0.019	5.56	1.720	<0.01	0.075		<0.01
Target Range - Lower Bound		0.013	5.27	1.650	<0.01	0.070		<0.01
Upper Bound		0.021	5.83	1.830	0.03	0.084		0.02
GBM906-1							22.1	
GBM906-1							22.0	
Target Range - Lower Bound							20.8	
Upper Bound							24.4	
MP-1b		<0.002	3.07	<0.002	2.07	16.65		2.34
Target Range - Lower Bound		<0.002	2.91	<0.002	1.93	15.50		2.13
Upper Bound		0.004	3.22	0.005	2.25	17.85		2.47
MRGeo08							4.2	
MRGeo08							4.2	
Target Range - Lower Bound							3.9	
Upper Bound							5.0	
BLANKS								
BLANK							<0.2	
BLANK							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Upper Bound		0.004	0.004	0.004	0.02	0.004		0.02
DUPLICATES								
ORIGINAL							<0.2	
DUP							0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	

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

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

Project: DDH-214

QC CERTIFICATE OF ANALYSIS SD18232666

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
DUPLICATES								
E5722559							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
E5722609		0.004	0.009	0.012	<0.01	0.006		0.01
DUP		0.004	0.010	0.009	<0.01	0.007		<0.01
Target Range - Lower Bound		<0.002	0.007	0.008	<0.01	0.004		<0.01
Upper Bound		0.006	0.012	0.013	0.02	0.009		0.02

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

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 9-OCT-2018
Account: FCCLMSXQ

Project: DDH-214

QC CERTIFICATE OF ANALYSIS SD18232666

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

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

Applies to Method:		
Ag-AA45	ME-ICP81	

ALS Canada Ltd.

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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

QC CERTIFICATE SD18232668

Project: DDH-215

This report is for 25 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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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To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-215

QC CERTIFICATE OF ANALYSIS SD18232668

Sample Description	Method Analyte Units LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
STANDARDS								
AMIS0281		0.018	5.53	1.770	<0.01	0.075		<0.01
Target Range - Lower Bound		0.013	5.27	1.650	<0.01	0.070		<0.01
Upper Bound		0.021	5.83	1.830	0.03	0.084		0.02
AMIS0324		0.322	3.12	5.46	0.03	0.039		0.07
Target Range - Lower Bound		0.304	3.02	5.30	<0.01	0.036		0.04
Upper Bound		0.341	3.34	5.87	0.05	0.046		0.09
EMOG-17							65.6	
Target Range - Lower Bound							61.2	
Upper Bound							71.0	
GBM906-1							21.2	
Target Range - Lower Bound							20.8	
Upper Bound							24.4	
MP-1b		<0.002	3.03	<0.002	2.06	16.45		2.36
Target Range - Lower Bound		<0.002	2.91	<0.002	1.93	15.50		2.13
Upper Bound		0.004	3.22	0.005	2.25	17.85		2.47
MRGeo08							4.0	
Target Range - Lower Bound							3.9	
Upper Bound							5.0	
OREAS-132a							55.3	
Target Range - Lower Bound							51.5	
Upper Bound							59.7	
SU-1b		0.067	1.170	1.970	<0.01	0.024		0.01
Target Range - Lower Bound		0.062	1.125	1.855	<0.01	0.022		<0.01
Upper Bound		0.073	1.245	2.05	0.03	0.032		0.02
BLANKS								
BLANK							<0.2	
BLANK							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Upper Bound		0.004	0.004	0.004	0.02	0.004		0.02

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **FIRST COBALT CORP.**
140 YONGE ST. SUITE 201
TORONTO ON M5C 1X6

Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-215

QC CERTIFICATE OF ANALYSIS SD18232668

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
DUPLICATES								
E5722584		0.099	0.299	0.015	<0.01	<0.002		0.06
DUP		0.100	0.300	0.015	<0.01	<0.002		0.06
Target Range - Lower Bound		0.095	0.290	0.013	<0.01	<0.002		0.05
	Upper Bound	0.104	0.309	0.017	0.02	0.004		0.07
E5722593							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
	Upper Bound						0.4	
E5722629		0.003	0.010	0.011	<0.01	0.016		<0.01
DUP		0.003	0.010	0.013	<0.01	0.017		<0.01
Target Range - Lower Bound		<0.002	0.008	0.010	<0.01	0.014		<0.01
	Upper Bound	0.004	0.012	0.014	0.02	0.019		0.02
ORIGINAL							0.4	
DUP							0.3	
Target Range - Lower Bound							<0.2	
	Upper Bound						0.4	

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QC CERTIFICATE OF ANALYSIS SD18232668

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d	
LOG-23	PUL-31	PUL-31d	PUL-QC	
SPL-21	SPL-21d	WEI-21		

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

Applies to Method:			
Ag-AA45	ME-ICP81		

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Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

QC CERTIFICATE SD18232669

Project: DDH-216

This report is for 21 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 19-SEP-2018.

The following have access to data associated with this certificate:

MEGHAN HEWTON	JASON RICKARD	FRANK SANTAGUIDA

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
LOG-21	Sample logging - ClientBarCode
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
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS

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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Finalized Date: 2-OCT-2018
Account: FCCLMSXQ

Project: DDH-216

QC CERTIFICATE OF ANALYSIS SD18232669

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
STANDARDS								
AMIS0281		0.019	5.56	1.720	<0.01	0.075		<0.01
Target Range - Lower Bound		0.013	5.27	1.650	<0.01	0.070		<0.01
Upper Bound		0.021	5.83	1.830	0.03	0.084		0.02
EMOG-17							65.3	
Target Range - Lower Bound							61.2	
Upper Bound							71.0	
GBM906-1							22.1	
Target Range - Lower Bound							20.8	
Upper Bound							24.4	
MP-1b		<0.002	3.07	<0.002	2.07	16.65		2.34
Target Range - Lower Bound		<0.002	2.91	<0.002	1.93	15.50		2.13
Upper Bound		0.004	3.22	0.005	2.25	17.85		2.47
MRGeo08							4.2	
Target Range - Lower Bound							3.9	
Upper Bound							5.0	
OREAS-132a							55.3	
Target Range - Lower Bound							51.5	
Upper Bound							59.7	
BLANKS								
BLANK							<0.2	
BLANK							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
BLANK		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Target Range - Lower Bound		<0.002	<0.002	<0.002	<0.01	<0.002		<0.01
Upper Bound		0.004	0.004	0.004	0.02	0.004		0.02

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Finalized Date: 2-OCT-2018
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Project: DDH-216

QC CERTIFICATE OF ANALYSIS SD18232669

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Co % 0.002	ME-ICP81 Cu % 0.002	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 Zn % 0.002	Ag-AA45 Ag ppm 0.2	ME-ICP81 As % 0.01
DUPLICATES								
E5722559							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	
E5722609		0.004	0.009	0.012	<0.01	0.006		0.01
DUP		0.004	0.010	0.009	<0.01	0.007		<0.01
Target Range - Lower Bound		<0.002	0.007	0.008	<0.01	0.004		<0.01
Upper Bound		0.006	0.012	0.013	0.02	0.009		0.02
E5722656							<0.2	
DUP							<0.2	
Target Range - Lower Bound							<0.2	
Upper Bound							0.4	

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CERTIFICATE COMMENTS

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

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

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

Applies to Method:			
Ag-AA45	ME-ICP81		