

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

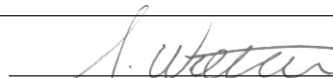
Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Mapping and geochemical sampling

TOTAL COST: \$27,655.73

AUTHOR(S): Stephen Wetherup

SIGNATURE(S):



NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2017

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5672483

PROPERTY NAME: Rebel Property

CLAIM NAME(S) (on which the work was done): 1047878

COMMODITIES SOUGHT: Pb, Zn, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 094C 049

MINING DIVISION: Omineca

NTS/BCGS: 094 C16W

LATITUDE: 57 ° 00 ' " LONGITUDE: 124 ° 21 ' " (at centre of work)

OWNER(S):

1) Commander Resources Ltd.

2)

MAILING ADDRESS:

Suite 1100 - 1111 Melville Street

Vancouver, BC, V6E 3V6

OPERATOR(S) [who paid for the work]:

1) Commander Resources Ltd.

2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Earn Group, Road River Group, Kechika Group, Paleozoic, Devonian, Ordovician, Silurian, Chert, pyritic shale, argillite, massive pyrite, bedded pyrite, lead, zinc, silver, barium

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 8621, 9848, 10831, 23644, 30911

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping 4 km sq.		1047878	\$5531.15
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil 52 samples			\$11,062.29
Silt			
Rock 4 samples			\$1382.79
Other XRF hand-held			\$9679.50
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$ 27,655.73

ASSESSMENT REPORT

MAPPING AND GEOCHEMICAL SAMPLING, REBEL PROPERTY

Omineca Mining Division, British Columbia



COMMANDER RESOURCES LTD.
1100 – 1111 Melville Street
Vancouver, British Columbia
V6E 3V6

LOCATED:

360 km north of the Prince George, BC
Omineca Mining Division
57° 00' North Lat., 124° 21' West Long.
NTS: 094C/16W and 094F/1W

March 31st, 2018

Prepared By:



Stephen Wetherup, B.Sc., P.Geo.

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1.0 INTRODUCTION

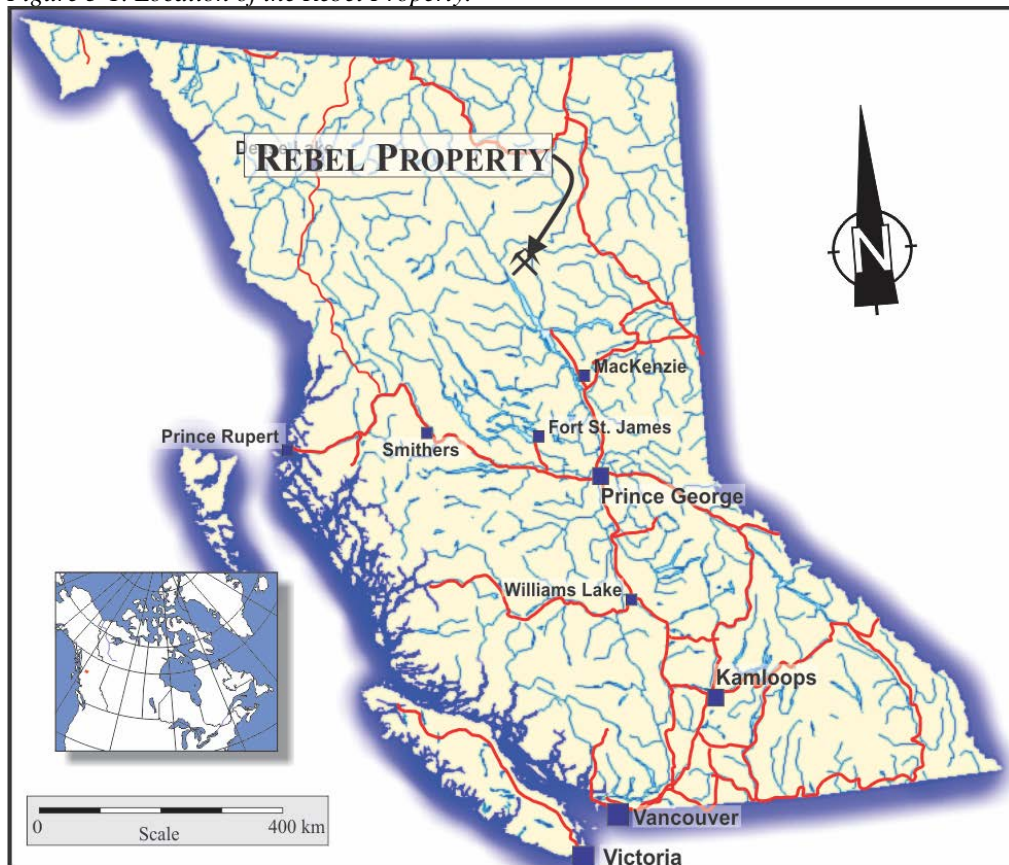
1.1 Introduction

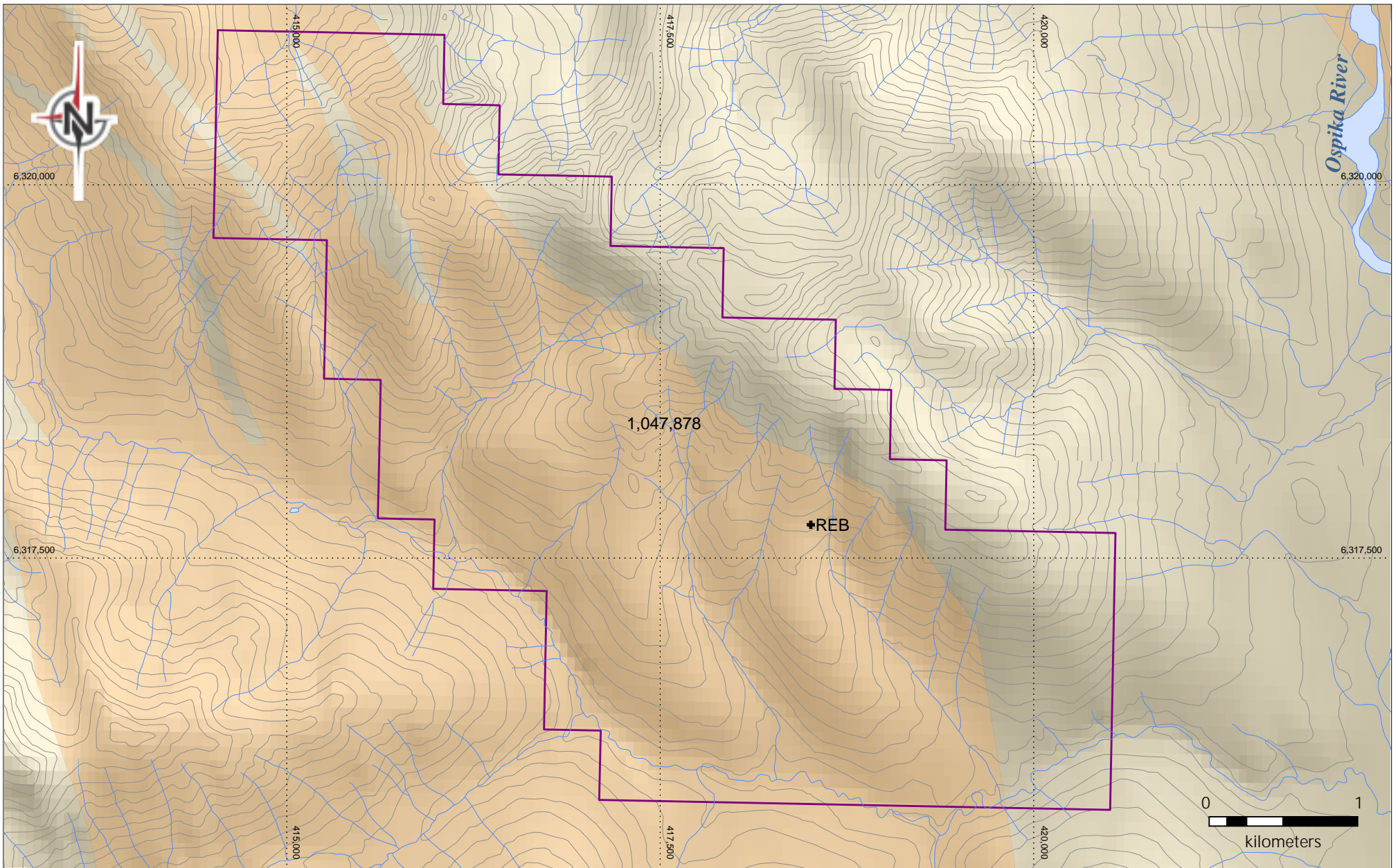
Commander Resources Ltd. (“CMD”) completed a \$27,655.73 CAD exploration program on its Rebel property in the summer of 2017. Work consisted of reconnaissance mapping, geochemical rock and soil sampling, and hand-held XRF analysis of outcrops. The results of the program and interpretations derived from the data constitute the basis of this Assessment Report.

2.0 LOCATION AND PROPERTY DESCRIPTION

The Rebel property is located in north-central British Columbia ~360 km north of Prince George, and 200 km north-northwest of MacKenzie, BC (Figure 3-1). Property co-ordinates (Rebel showing) are 56°59’49” north Latitude and 124°21’10” west Longitude on N.T.S. Map No. 94C/16W and 94F/1W. The UTM (NADS83) co-ordinates are Zone 10N 417818E, 6317861N.

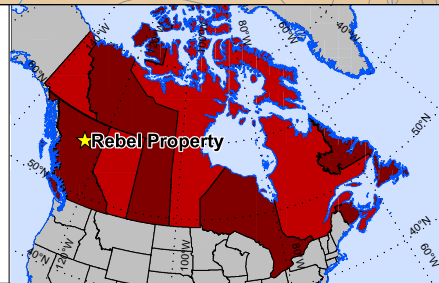
Figure 3-1. Location of the Rebel Property.





Legend

-  Claims
-  Watercourses
-  Waterbody
-  Elevation contour (100 ft)
-  Earn and Road River Group
-  Ketchika Group
-  MinFile



COMMANDER RESOURCES INC.

Date: March 31, 2018

Rebel Property

Drafted by:
S. Wetherup

Claim Map

Figure:

3-2

NAD83 Zone 10

The Rebel property is comprised of a single claim bloc of which Commander Resources (FMC# 116661) is the 100% owner, through a pending sale by Stephen Wetherup (FMC# 141077). The property covers an area of 1,621 hectares or 16.2 km² (Figure 3-2). Details of the claim downloaded from the Mineral Titles Online (MTO) website are listed below. The claim has not been legally surveyed.

Table 3-1. Mineral tenure summary data for the Rebel Property (February 21, 2018).

Title No.	Claim Name	Owner	Issue Date	Good To Date	Area (ha)
1047878	REBEL	141077 (100%)	2016/nov/15	2020/jul/29	1,621.55

3.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, AND PHYSIOGRAPHY

3.1 Access

The Rebel property is only helicopter accessible. The nearest heliport is in MacKenzie, B.C. approximately 200 km south-southwest of the property.

The nearest road access is along the northeastern shore of Williston Lake where a series of forestry roads occur and provide road access to the village of Tsay Keh at the north end of Williston Lake. Tsay Keh is 38 km from the Rebel property and the nearest road staging area is 27 km from the property.

Tsay Keh can be accessed via a series of logging roads that originate from MacKenzie or Hwy 17 (at Windy Point) and is approximately a 7-hour drive from Prince George.

3.2 Physiography

The Rebel property is situated in the Muskwa Ranges of the northern Rocky Mountains of northern BC. Slopes on the property are moderate to steep. Topographic relief is ~1000 m, ranging from 1200 m along the Ospika River to nearly 2300 m at the tallest peak.

3.3 Climate and Vegetation

Seasonal temperatures range from lows of -35°C in winter to +30°C in July and August. January and July mean temperatures are -14°C and 15° to 20°C respectively. The property area receives moderate precipitation with winter snow pack reportedly around 2 to 4 m but varies greatly upon elevation. Access to the area is possible from May to October but usually the months between June and September are best

The property is forested with stands of balsam, spruce and pine. Timberline is around 1,600 m. Steeper slopes, especially those prone to avalanches, are often covered with very thick mats of low growing and tangled balsam. Terrain above 1,500 m consists of grassy alpine meadows with heather and sparse balsam interspersed with talus on steeper slopes.

3.4 Infrastructure and Local Resources

The nearest major town centre is Prince George (360 km S) which is a resource (mining, logging, and ranching) based community with an experienced labour force. It can supply fuel, groceries, accommodation and heavy construction equipment and have regular scheduled air and train service. Major electrical transmission lines which served the Kemess to the west occurs within 100 km S of Rebel. Also, Williston Lake (30 km from Rebel) has been used to barge concentrate from Kemess and has rail access and a loading facility at its southern end.

4.0 EXPLORATION HISTORY

The Rebel showing, a 20 m thick pyrite horizon, was discovered in 1979 during regional prospecting within Road River and Earn Group rocks in northeastern BC by Esperanza Explorations (Table 5-1). The Property was optioned by Esso Resources who operated until 1982 over which time they collected ~ 947 soil, 33 silt, 33 heavy mineral stream and 31 rock samples. They also completed an airborne EM survey and drilled 5 holes totally over 500 m which were not submitted for assessment work.

Table 5-1. Summary of exploration work on the Rebel Property.

Year	Operator	Area	Work Completed	ARIS No.
1979	Esperanza Explorations	Rebel	Prospecting, discovery of Reb showing	
1980	Esso Resources	Rebel	9 rock, 33 silt, 53 soil	8621
1981	Esso Resources	Reb	730 soil	9848
1982	Esso Resources	Reb	Mapping, 22 rock, 164 soil, 33 HMS	10831
1982	Esso Resources	Reb	5 ddh, ~ 500 m, unreported	
1994	Teck Exploration Ltd.	Rebel	32 rock, 216 soil, 7 silt, 13 trenches	23644
2009	Takara Resources Inc.	Rebel	Prospecting, airborne mag-VLF	30911

Teck Resources staked to same area in 1994 and expanded the soil sampling coverage, took more rock samples and completed additional mapping. They concluded that Rebel horizon is a distal expression of a SEDEX deposit and that the drilling by Esso did not intersect the horizon. Also, the Rebel horizon requires drill testing to determine vectors to possible mineralization. This was the last significant exploration program other than Takara Resources who flew airborne mag-VLF in 2009 before abandoning the claims.

5.0 GEOLOGICAL SETTING

5.1 Regional Geology

The Rebel Property lies at the southernmost tip of the geomorphological feature termed the “Kechika Trough” (MacIntyre, 1992). The Kechika Trough is defined as a Paleozoic succession of basinal clastic rocks along the passive margin of North America and is an extension of the Selwyn Basin in the Yukon. Within this Paleozoic stratigraphy there is evidence for several tectonic rifting events creating several sub-basins of which some were sediment starved and contain barite-zinc-lead-silver sediment-exhalative (SEDEX) deposits such as the Driftpile, Cirque, and Akie deposits (Figure 6-1).

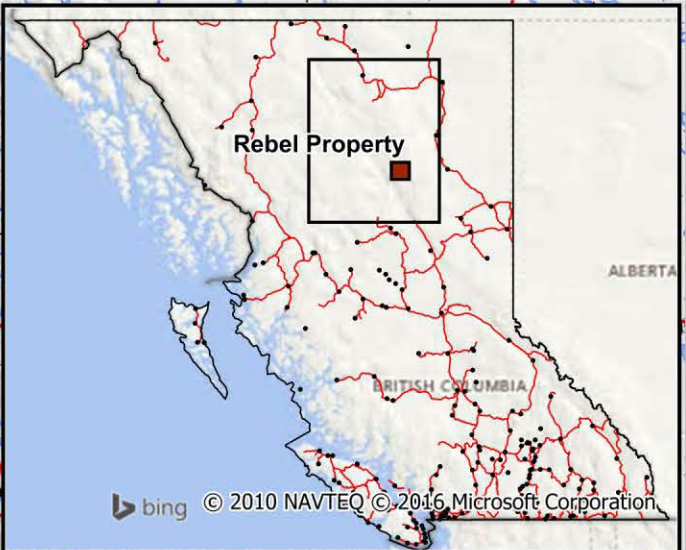
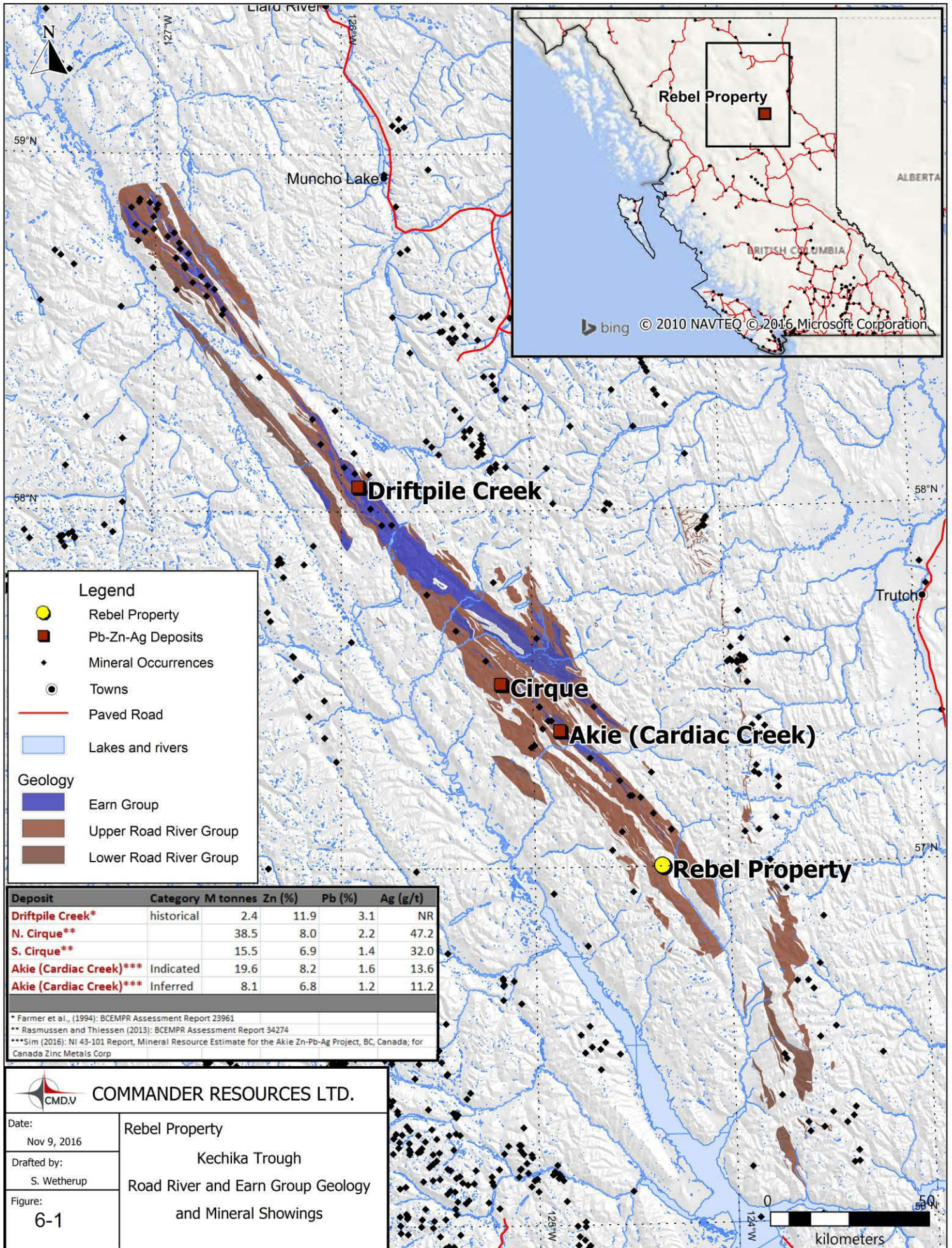
Key stratigraphy for the SEDEX deposits in the region are the Ordovician to Devonian Road River Group and overlying Devonian to Mississippian Earn Group. Both are comprised of distal to shelf turbidite clastic and calcareous sequences with several local episodes of starved basin black shale, black or grey chert and nodular and interbedded pyrite and black shale. The typical unit is called the Gunsteel Formation in the Earn Group (host to Driftpile, Cirque and Akie) but there are additional horizons that occur within the lower Silurian and middle Ordovician Road River Group as well.

5.2 Property Geology

The Rebel Property is underlain by mainly Silurian to Ordovician Road River Group black shale and black siltstone with lesser amounts of interbedded brown siltstone, and brown calcareous siltstone. Older Cambrian to Ordovician Ketchika Group phyllitic, calcareous mudstone occurs on the northern margin of the Property and is interpreted to have been thrust southwestward, over the Road River rocks. This thrust fault is not observed in outcrop on the property and its orientation (north dipping) and kinematics are assumed by previous mappers.

Bedding within the Ketchika and Road River Group rocks generally strikes northwest and generally dips steeply northeast as does the foliation. Local fold hinges occur and bedding rotates to SW dipping and fold axes plunge very shallowly ~140.

Within the Road River Group rocks there are two separate horizons of black chert, nodular pyrite or bedded pyrite in black shale (“exhalative horizon” or SEDEX horizon); Figure 6-2). These two horizons are approximately 50-70 m thick and may be the same horizon on two separate limbs of a tight fold similar to the smaller fold hinges observed on the Property.



Legend

- Rebel Property
- Pb-Zn-Ag Deposits
- ◆ Mineral Occurrences
- Towns
- Paved Road
- Lakes and rivers

Geology

- Earn Group
- Upper Road River Group
- Lower Road River Group

Deposit	Category	M tonnes	Zn (%)	Pb (%)	Ag (g/t)
Driftpile Creek*	historical	2.4	11.9	3.1	NR
N. Cirque**		38.5	8.0	2.2	47.2
S. Cirque**		15.5	6.9	1.4	32.0
Akie (Cardiac Creek)***	Indicated	19.6	8.2	1.6	13.6
Akie (Cardiac Creek)***	Inferred	8.1	6.8	1.2	11.2

* Farmer et al., (1994): BCEMPR Assessment Report 23961
 ** Rasmussen and Thiessen (2013): BCEMPR Assessment Report 34274
 *** Sim (2016): NI 43-101 Report, Mineral Resource Estimate for the Akie Zn-Pb-Ag Project, BC, Canada; for Canada Zinc Metals Corp

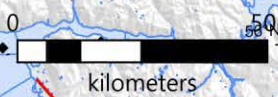
COMMANDER RESOURCES LTD.

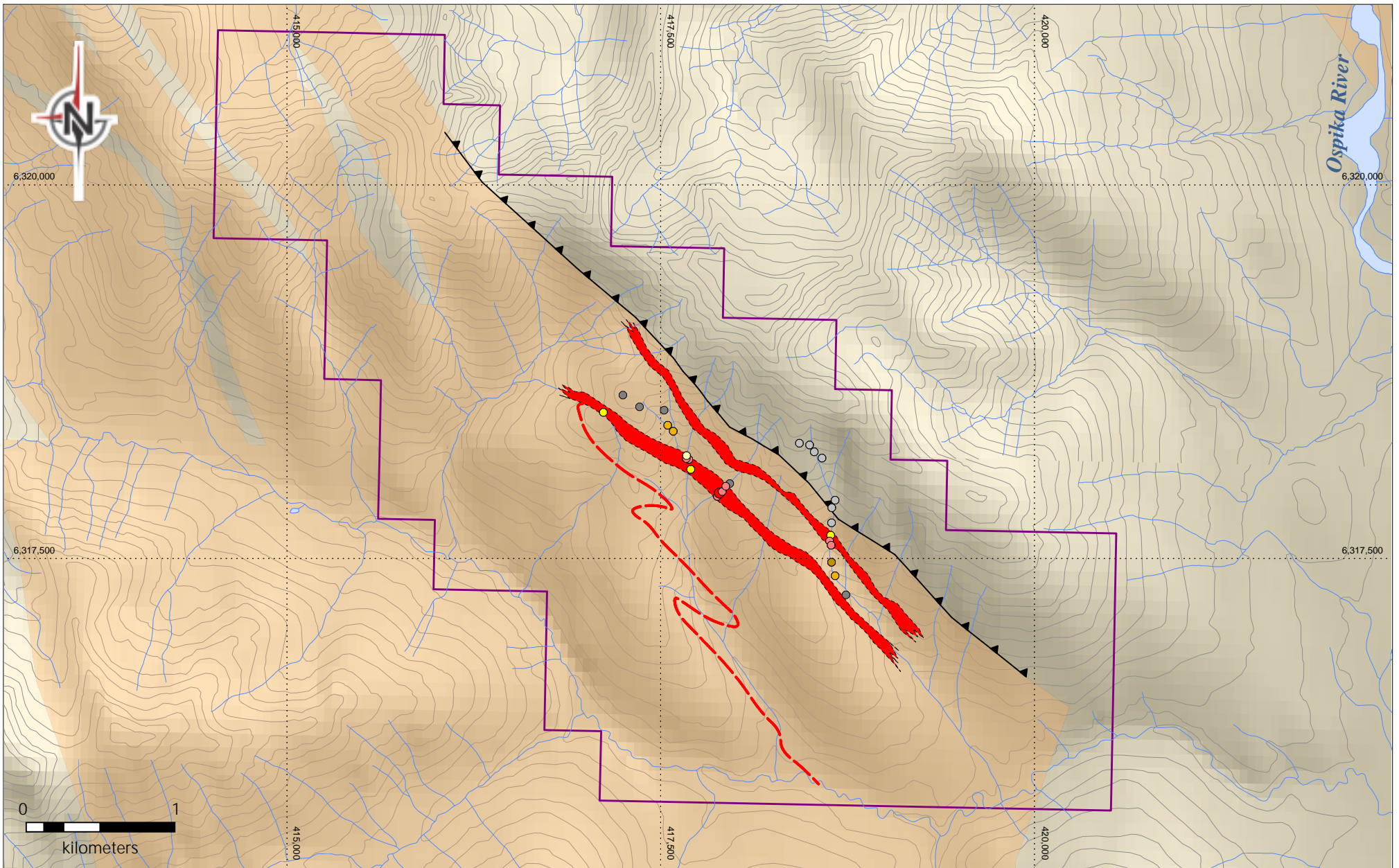
Date: Nov 9, 2016

Drafted by: S. Wetherup

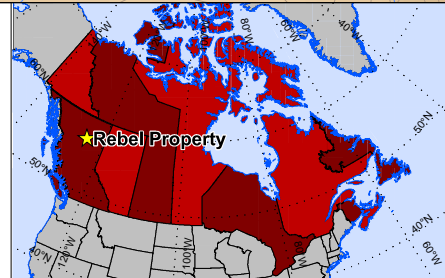
Figure: 6-1

Rebel Property
 Kechika Trough
 Road River and Earn Group Geology
 and Mineral Showings





- Legend**
- massive py and shale
 - pyritic black shale
 - chert and siliceous shale
 - argillite
 - argillite and siltstone
 - Ketchika - siltstone
 - Earn and Road River Group
 - Ketchika Group
 - Claims
 - Watercourses
 - Waterbody
 - Elevation contour (100 ft)
 - Thrust Fault
 - Interpreted SEDEX Horizon
 - Traced SEDEX Horizon



	COMMANDER RESOURCES INC.	
Date: March 31, 2018 Drafted by: S. Wetherup	Rebel Property Property Geology, Mapping Stations on Regional Geology	
Figure: 6-2	NAD83 Zone 10	

6.0 DEPOSIT TYPE

The main exploration target on the Rebel Property and in the Ketchika Trough/Gataga district is sedimentary exhalative Pb-Zn-Ag deposits similar to Driftpile Creek, Akie (Cardiac Creek) and the Cirque deposits. Resource estimates for the Cirque is 40 MT @ 7.8% Zn, 2.2% Pb and 48.0 g/t Ag (MacIntyre 1998), Akie is 23.6 MT @ 7.6% Zn, 1.5% Pb, 13.0 g/t Ag with a cut off grade of 5% Zn (MacIntyre and Sim 2008) and Driftpile is 2.44 MT @ 11.9% Zn, 3.1% Pb with a cut off grade of 8% Zn (Farmer et al. 1994).

These deposits are typically hosted by organic-rich shale and chert that are commonly pyritic with most of the pyrite occurring as disseminated within the shale and/or as beds and laminae. Stratiform SEDEX (Zn-Pb) and barren barite deposits are formed during three major time-periods: Middle Ordovician, Early Silurian and Late Devonian (MacIntyre 1998). Some deposits are dominantly barite with little Pb-Zn-Ag sulphide mineralization. The Pb-Zn-Ag deposits typically contain significant bedded pyrite both around the deposits and as distal beds extending from deposits. They also often have barite beds overlying the mineralization.

7.0 MINERALIZATION AND ALTERATION

Locally, within the chert-pyrite-black shale horizon laminated beds of pyrite occur. In two creek cut exposures, massive to semi-massive pyrite occurs across 10 to 30 m thick sections 250 m apart with no intervening exposure. Exposures along these moderate to steep slopes are mainly covered talus but both the southern horizon can be tracked across intermittent exposures, ferricrete seeps and anomalous Pb, Zn and Ba in soils for more than 2.5 km each.

Historical sampling has returned anomalous Pb, Zn, Ag, As, Cu values from the pyrite zones up to ~1500 ppm Pb, 1300 Zn, 11 g/t, Ag, 500 ppm As and 200 ppm Cu (Pautler, 1994). Sampling from the chert and black shale units generally returned lower values except for local high Cu in the chert in quartz veins likely related to remobilization during thrusting and folding.

The massive pyrite bed is laminated with thin inter-laminae of pyritic siliceous black shale or black chert for 10-30 m thick above which pyrite laminae and beds become progressively less common over 10-15 m until pyrite laminae are rare (<1%). Overlying the massive pyrite horizon is approximately 70-100 m of interbedded pyritic black shale and siliceous black shale with rare siltstone interbeds. Below the massive pyrite horizon outcrop is poor but from the western creek exposure a 10-15 m thick lens of black chert

occurs directly below the massive pyrite and may be boudinaged due to folding making is a discontinuous unit in the stratigraphy. There is no black chert in the eastern of the massive pyrite exposure but rather what appears to be a sheared bedding parallel contact below which are interbedded siltstone with lesser shale.

8.0 EXPLORATION

Work in 2017 focussed on verifying and extending soil data, systematic handheld XRF sampling of the bedded pyrite exposures and tracing the black shale-chert-pyrite horizons.

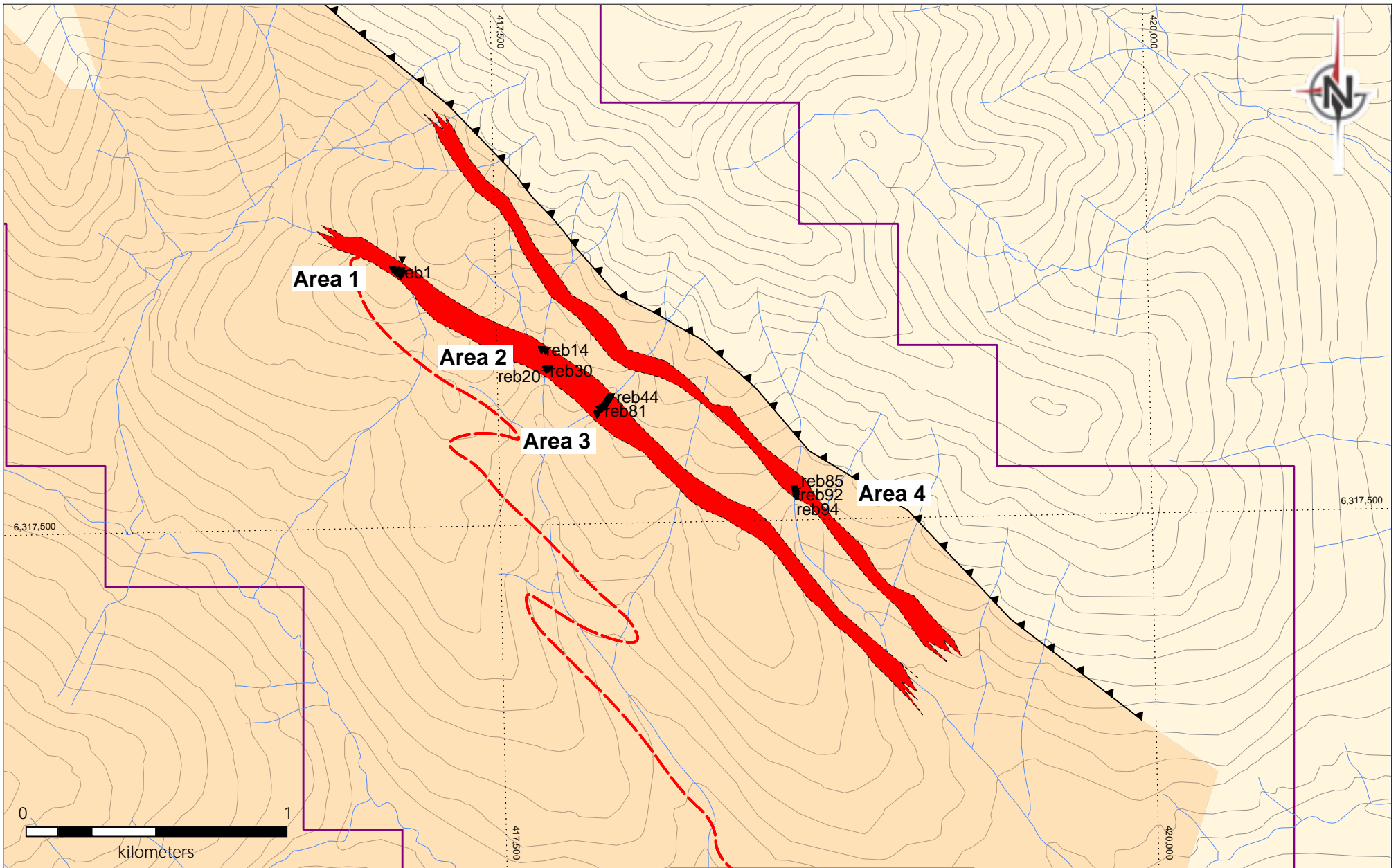
8.1 XRF Analyses and Rock Sampling

XRF analyses were done on chert, pyritic black shale and pyrite beds to determine approximate Pb-Zn levels in the units and to see if there are systematic geochemical variations across the stratigraphy. The unit utilized for the analyses was a ThermoScientific, Niton NDT XL3 Analyzer which was calibrated nightly.











Four main areas were analyzed with the XRF where good bedrock exposures existed (Figure 9-1). Analyses. The analyses showed the massive pyrite zones are anomalous in Pb and Zn with values up to 5840 ppm Pb and 505 ppm Zn and the chert with lower Pb and Zn tenors although anomalous. Table 9-1 summarizes the statistics of the XRF data with respect to rock type. Units are difficult to differentiate due to the amount of interbedding but in general the “semi-massive and massive pyrite” contains an order of magnitude greater Pb tenors than the surrounding black chert and siliceous black shale and two orders greater than the siliceous black shale which overlies the massive pyrite beds. Interestingly, even massive pyrite laminae and nodules in the overlying pyritic siliceous shale do not contain significant Pb as shown with the high of 164 ppm Pb from the 52 readings in the unit.

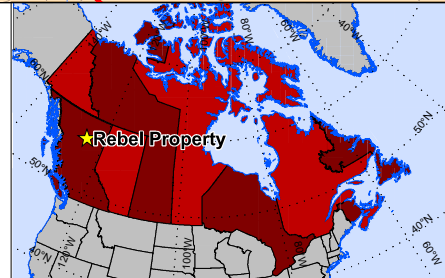
Zn levels are low in the massive pyrite but greater in general in the black chert units. Cu is also more elevated in the chert. Appendix 3 contains the complete set of XRF analyses for the 2017 program.


Four rock samples were collected from massive pyrite zones and submitted for ICP-MS analysis at Bureau Veritas’ laboratories in Vancouver, BC. These verified that the Pb tenors (1000 to 3600 ppm) are order of magnitude greater than Zn (39 to 390 ppm) in the pyrite along with significant Ag tenor from 3 to 7.2 g/t Ag (Appendix 3).

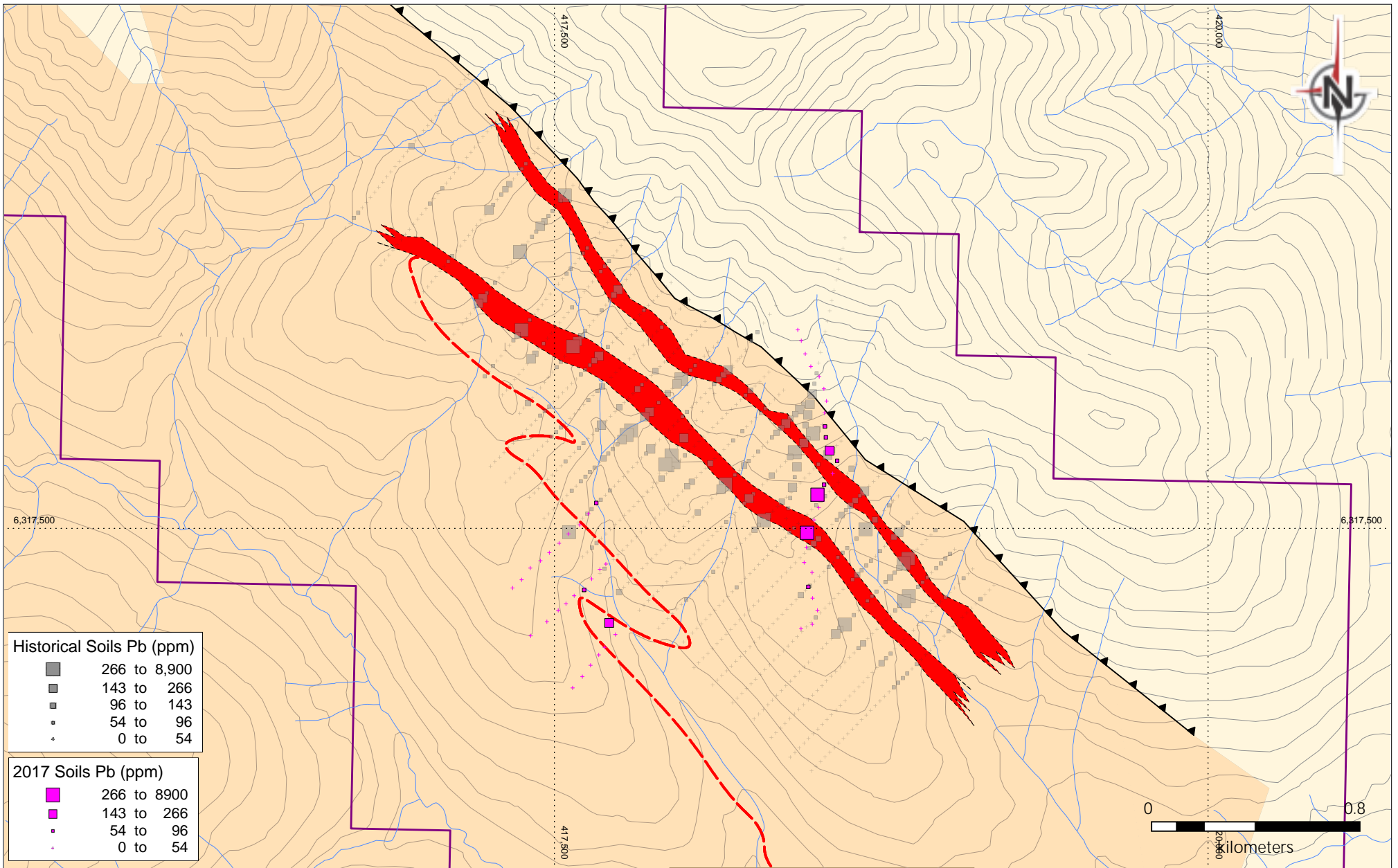


Legend

-  Claims
-  Watercourses
-  Waterbody
-  Elevation contour (100 ft)
-  Earn and Road River Group
-  Ketchika Group
-  Thrust Fault
-  Interpreted SEDEX Horizon
-  Traced SEDEX Horizon
-  XRF Reading Location



	COMMANDER RESOURCES INC.	
Date: March 31, 2018	Rebel Property	
Drafted by: S. Wetherup	XRF Sample Locations from 2017 Work Program	
Figure: 9-1	NAD83 Zone 10	



Historical Soils Pb (ppm)

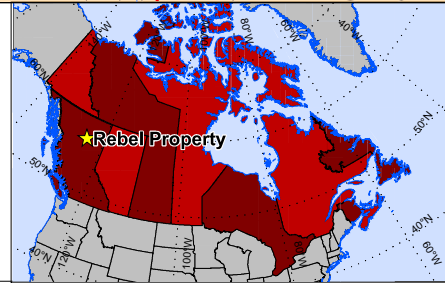
■	266 to 8,900
■	143 to 266
■	96 to 143
•	54 to 96
•	0 to 54

2017 Soils Pb (ppm)

■	266 to 8900
■	143 to 266
•	54 to 96
•	0 to 54

Legend

	Claims		Thrust Fault
	Watercourses		Interpreted SEDEX Horizon
	Waterbody		Traced SEDEX Horizon
	Elevation contour (100 ft)		
	Earn and Road River Group		
	Ketchika Group		



COMMANDER RESOURCES INC.	
Date: March 31, 2018	Rebel Property
Drafted by: S. Wetherup	Pb in Soil
Figure: 9-2	Historical and 2017 Soils
NAD83 Zone 10	

Table 9-1. Summary of XRF data grouped by rock type.

	Stat	Black chert	Pyritic siliceous shale	Semi-massive and massive pyrite
	(n)	17	52	12
Pb (ppm)	Avg	185.6	15.8	1426.2
	High	1386.8	164.9	5839.7
	Low	0.1	0.1	39.3
Zn (ppm)	Avg	681.4	59.2	87.2
	High	7875.6	1626.3	353.8
	Low	0.1	0.1	0.1
As (ppm)	Avg	221.4	53.0	375.5
	High	1747.1	1146.7	5215.0
	Low	0.1	0.1	0.1
Cu (ppm)	Avg	117.1	6.8	70.9
	High	1058.2	64.6	446.4
	Low	0.1	0.1	0.1
Fe (%)	Avg	5.8	4.6	14.1
	High	26.0	46.2	44.1
	Low	0.2	0.3	0.2

8.2 Soil Sampling

A total of 52 soils were collected in 2017. Two areas were targeted, (1) southwest of the historical grid to investigate Pb, Zn and Ba anomalies which appear to extend beyond the historical grid and the (2) a line directly across the historical grid to verify the location and tenor of the anomalous soils in the historical data.

In general, the 2017 soils collected within the historical grid returned similar Pb values although possibly slightly lower (Figure 9-2). However, the Ba assay values in the 1982 soils are significantly higher than those in the 2017 soils. This variance with the Ba is also noticeable between the Teck samples collected in 1994 with respect to the original grid in 1981 where the Teck soils are consistently much lower than the 1982 Esso samples. Zn was not compared or plotted since it tends to concentrate in downslope seeps and ferricrete zones and give false anomalies.

The weak Pb anomalism at the southwest side of the Teck and Esso soil grids also continues in the 2017 soils and further sampling may be required to fully delineate this anomaly which may represent another or a folded extent of the exhalative horizon.

9.0 CONCLUSIONS

The 2017 work programme sought to detail the geochemistry of the known exhalative horizons on the Rebel Property, verify the historical soil survey data and assess the geological interpretations by previous workers.

XRF data and ICP-MS analyses of rocks from the exhalative horizons on the Property show that the Pb and As values within the massive pyrite are highly anomalous. Zn and Cu occur locally throughout the exhalative sequence but are not particularly enriched in the pyrite horizon. Therefore, focussing on Pb and As with the soil and stream sediment data would likely provide the best pathfinder elements for discovering additional sulphide accumulations.

Soil data collected in 2017 returned Pb analytical results similar to the historical results however, Ba analyses from the 1982 Esso survey appear to be much higher than those from the 1994 Teck survey and the 2017 results. Pb appears to outline the location of the exhalative horizons quite well and show that there are two distinct horizons as does tracing the geology. Furthermore, the horizons appear to extend beyond the limits of the soil sampling to the east and to the southwest.

Additional soil sampling and more detailed structural mapping are suggested to continue to outline the limits of the exhalative horizons and geochemical sampling as well as XRF data collection from the pyritic zones may provide vectors to Pb-Zn-Ag sulphide accumulations along the horizons.

10.0 EXPLORATION EXPENDITURES

These expenditures cover the costs of field work, assays, interpretation and report writing for Event # 5672483.

Table 11-1. Summary of exploration expenses.

Item	Description	Amt	Units	Cost/Unit	Total
Labour	S. Wetherup (Aug 28 to 30)	3	days	\$ 700.00	\$ 2,100.00
Labour	Dave Tupper (Aug 28-30)	3	days	\$ 700.00	\$ 2,100.00
Labour	B. Durfeld (Aug 28-30)	3	days	\$ 250.00	\$ 750.00
Labour	V. Durfeld (Aug 28-30)	3	days	\$ 250.00	\$ 750.00
Travel Time	SW, DT	4	days	\$ 700.00	\$ 2,800.00
Accommodation	Osilinka and Omenica camps	8	nights	\$ 242.75	\$ 1,942.00
Acc and board	PG hotel and meals (SW, DT, VD, BD)	4	nights	\$ 159.83	\$ 639.33
XRF analysis	XRF rental	7	days	\$ 100.00	\$ 700.00
Geochemical Analysis	BV Labs (rocks)	4	samples	\$ 43.18	\$ 172.71
Geochemical Analysis	BV Labs (soils)	52	samples	\$ 30.00	\$ 1,560.00
Helicopter	Yellowhead Helicopters	9.5	hours	\$ 1,015.99	\$ 9,651.90
Vehicle mileage/fuel		5	days	\$ 175.70	\$ 878.51
Miscellaneous	Supplies/sample bags				\$ 111.28
Report writing		3	days	\$ 700.00	\$ 2,100.00
Data preparation and map making		2	days	\$ 700.00	\$ 1,400.00
					\$ 27,655.73

11.0 STATEMENTS OF AUTHORSHIP


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CERTIFICATE OF AUTHOR

I, Stephen Wetherup, do hereby certify that,

1. I am a graduate of the University of Manitoba with a B.Sc. Honours in Geology.
2. I am a member of the Association of Association of Professional Engineers and Geoscientists of British Columbia (APEGBC, #27770). I am a member of the Society of Economic Geologists and the Vancouver Mining Exploration Group.
3. I have been operating a business as a geological consultant under my own name since June, 2001, and under the name of Caracle Creek International Consulting Inc. since March, 2004.
4. I am not aware of any material fact or material change with respect to the subject matter of the Report that is not reflected in the Report, the omission to disclose which makes the Report misleading.
5. I am responsible for the preparation of the Report titled “Assessment Report: Mapping and Geochemical Sampling, Rebel Property, Omineca Mining Division, British Columbia”, (the “Report”), dated March 31st, 2018.

Dated this 31st Day of March, 2018.


Stephen William Wetherup,
BSc., P.Geo. (APEGBC, #27770)



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APPENDIX 1

Geological Mapping Stations and Rock Sample Summaries

Station	Date Created	UTM Zone	Northing	Easting	Rocktype	samples	Description
Reb001	2017-08-28 T 08:52:27	NAD83 Z10	6318592.64	417246.869			
Reb002	2017-08-28 T 09:13:13	NAD83 Z10	6318477.46	417116.296	black chert		black chert 3 m wide above 40 m black shale and above that 50 m siltstone reb1 black chert 2 chert 3 soil 4ferricrete 5 chert 6 chert 7ferricrete 8 chert 9 black shale soil 10 siltstone float
Reb003	2017-08-28 T 10:19:04	NAD83 Z10	6318492.12	417522.528			
Reb004	2017-08-28 T 10:20:05	NAD83 Z10	6318514.12	417358.275			
Reb005	2017-08-28 T 10:36:27	NAD83 Z10	6318391.66	417547.459	argillite		argillite
Reb006	2017-08-28 T 10:40:23	NAD83 Z10	6318352.06	417583.389	argillite		s0 141.90 s1 207.76
Reb007	2017-08-28 T 11:33:09	NAD83 Z10	6318162.6	417687.13	pyritic black shale		py nodules on black shale. 10 to 30 cm long and 5 to 10cm thick reb11 black shale w carb veinlets reb12 black shale 13 py nodule
Reb008	2017-08-28 T 12:05:59	NAD83 Z10	6318169.1	417671.957	pyritic black shale		reb14 to 19 along 2.5 m of massive py within pyritic shale. 302.61 s0
Reb009	2017-08-28 T 12:13:00	NAD83 Z10	6318187.89	417673.402	siliceous argillite		black banded chert in stream cut. siliceous argillite
Reb010	2017-08-28 T 13:01:55	NAD83 Z10	6318097.06	417701.221	chert		reb20 to 30 2m spaced readings along chert
Reb011	2017-08-28 T 13:25:10	NAD83 Z10	6317915.89	417879.395	pyritic black shale		few py beds 10 to 20 cm thick here reb31 to40 50 cm readings up bedding starting at a py layer 41 and 42 are from py layers unit here is about 10 to 15 pct py layers from 1mm to 20 cm thick
Reb012	2017-08-28 T 13:53:32	NAD83 Z10	6317937.42	417893.147	massive py and shale		nodular here 315.05 to 10 plunging rods
Reb013	2017-08-28 T 14:00:45	NAD83 Z10	6317948.18	417912.279	pyritic black shale		reb 66 3 m to 67 then 1.5 m until81
Reb014	2017-08-28 T 14:13:10	NAD83 Z10	6317984.06	417935.598	pyritic black shale		py black shale with minor py layers and variably siliceous reb43 here and collecting every 1 m down
Reb015	2017-08-28 T 14:22:22	NAD83 Z10	6318001.99	417961.905			siltstone interbedded with cherty black shale for last 30 m where few silty layers occur and a thin cg wacke or conglomerate unit 15 cm thick
Reb016	2017-08-29 T 10:10:49	NAD83 Z10	6318271.14	418428.543	siltstone		intensely foliated sist s1 320.70. s0 350.21. f1 128.05 bedding foliation intersection.
Reb017	2017-08-29 T 10:19:09	NAD83 Z10	6318260.17	418496.791	siltstone		
Reb018	2017-08-29 T 10:25:00	NAD83 Z10	6318213.86	418527.258	siltstone		s0 147.10 s1 307.68 f1 140.05
Reb019	2017-08-29 T 10:37:16	NAD83 Z10	6318172.42	418579.662	siltstone		s0 139.60 s1 323.60 f1 135.04 qv 107.90
Reb020	2017-08-29 T 11:06:06	NAD83 Z10	6317890.78	418666.231	siltstone		ft in creek bed fol 132.90. above creek sist s0 330.50
Reb021	2017-08-29 T 11:14:45	NAD83 Z10	6317840.55	418644.109	siltstone		morw fecb in well foliated sist
Reb022	2017-08-29 T 11:22:49	NAD83 Z10	6317738.31	418642.913	siltstone		siltstone w siliceous layers locally and with somw fecb s1 and s0 314.78 siliceous layers are boudins and it looks sheared
Reb023	2017-08-29 T 11:35:44	NAD83 Z10	6317656.39	418636.934	argillaceous chert		s0 141.84 black chert layers commonly have tensional qtz vein arrays otyer layers are siliceous argillite. 10 m down stream turns to black shale. 25 m down shale is pencilled plunge 128.08
Reb024	2017-08-29 T 11:50:28	NAD83 Z10	6317617.53	418629.161	pyritic black shale		10 cm bed of py reb84. within black shale with cherty beds. s1 137.84. s0 127.80 sampled to reb94
Reb025	2017-08-29 T 12:13:20	NAD83 Z10	6317588.83	418639.326	pyritic black shale		reb94end 1.5 m btn s0 087.82
Reb026	2017-08-29 T 12:33:48	NAD83 Z10	6317475.22	418642.913	argillite and siltstone		passed a series of z fold 50 m from last. here shale has siltstone sandstone layers within. and graptolites
Reb027	2017-08-29 T 12:49:03	NAD83 Z10	6317384.94	418666.231	argillite		graptolitic argillite. s0 101.33
Reb028	2017-08-29 T 12:54:25	NAD83 Z10	6317257.58	418739.175	black chert		fe seep in creek and 25 m back chert in creekbed.
DT17-001	2017-08-29 T 12:13:01	NAD83 Z10	6317586.44	418635.738			

Station	Date Created	UTM Zone	Northing	Easting	Rocktype	samples	Description
DT17-002	2017-08-28 T 11:58:21	NAD83 Z10	6318163.43	417672.522	massive py and shale	87469	Py Sx semi mass horizon in silc pregnant shale. Py semi massive. black boxwork prevalent. XRF: 0.2-0.55% Pb 800ppm As. 123/78NE; chip sample 1.5 m
DT17-003	2017-08-28 T 13:57:44	NAD83 Z10	6317939.81	417888.363	massive py and shale	87470, 87471	Strataform MSX Py beds & noduals in silc arg (1-5cm @ 5-15cm spacing). Sample selective of Py material.
DT17-004	2017-08-28 T 15:18:52	NAD83 Z10	6317930.24	417862.654	massive py and shale	87472	MSXPy beds; in Preg Shale. High graded.
DT17-005	2017-08-29 T 11:38:11	NAD83 Z10	6317666.56	418636.336	black chert		Banded arg chert
DT17-006	2017-08-28 T 09:30:32	NAD83 Z10	6318470.08	417117.121	black chert		Chert (Preg Shale)
DT17-007	2017-08-28 T 14:39:13	NAD83 Z10	6318061.79	418015.118	black shale and chert		i/b cherty siltst/blk shale; cheer beds minor, host abundant perpendicular qt-carb veinlets
DT17-008	2017-08-28 T 13:37:31	NAD83 Z10	6317926.65	417871.622	massive py and shale		Strataform massive Py horizons (1-30cm) in silc argillite (Pregnant Shale); 125/72NE
DT17-009	2017-08-28 T 09:23:49	NAD83 Z10	6317667.45	418635.738			

Station	Date	NAD83Z10 N	NAD83Z10 E	Description	rocktype	Sample	Wgt (KG)	Pb (ppm)	zn (ppm)	Ag (ppm)	As (ppm)
DT17-002	8/28/2017	6318163	417673	Py Sx semi mass horizon in silc pregnant shale. Py semi massive. black boxwork prevalent. XRF: 0.2-0.55% Pb 800ppm As. 123/78NE; chip sample 1.5 m	semi massive pyrite	87469	1.58	1181.5	39	3	77.4
DT17-003	8/28/2017	6317940	417888	Strataform MSX Py beds & noduals in silc arg (1-5cm @ 5-15cm spacing). Sample selective of Py material.	pyrite	87470	0.96	2339.3	250	6.2	514.3
DT17-003	8/28/2017	6317940	417888	Strataform MSX Py beds & noduals in silc arg (1-5cm @ 5-15cm spacing). Sample selective of Py material.	pyrite	87471	1.07	2383.4	171	7.2	339.5
DT17-004	8/28/2017	6317930	417863	MSXPy beds; in Preg Shale. High graded.	pyritic black shale	87472	1.59	3607.1	390	5.1	203.8

Sample	Cu (ppm)	Au (ppb)	Pt (ppb)	Pd (ppb)	Mo (ppm)	Ni (ppm)	Co (ppm)	Zn (ppm)	Fe (%)	Au (ppb)	Th (ppm)	Sr (ppm)	Cd (ppm)	Sb (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)	Mg (%)	Ba (ppm)	Ti (%)
87469	20.8	7	8	6	3.4	3	0.8	39	1.75	3.1	1.1	20	0.1	3.1	0.2	24	<0.01	0.004	6	5	0.01	87	0.002
87470	340.5	5	3	7	5.9	30	8.1	37	19.08	4.1	0.3	3	0.9	37.5	0.3	13	0.01	0.002	<1	4	<0.01	2	0.001
87471	152.7	5	4	7	5.7	18.9	5.3	41	25.95	2.5	0.8	2	0.9	27.6	0.2	19	0.02	0.002	<1	3	0.01	2	0.002
87472	150.9	5	<3	5	3.2	18.2	3.8	40	33.37	2.5	0.3	2	1.7	13.4	0.2	12	0.03	0.003	<1	2	<0.01	<1	<0.001

Sample	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)	Te (ppm)
87469	<20	0.13	0.003	0.14	0.2	6.35	0.3	6.1	0.94	<1	1.9	<0.2
87470	<20	0.07	0.003	0.04	0.2	14.91	<0.1	39.4	>10.00	<1	5.9	<0.2
87471	<20	0.11	<0.001	0.06	0.1	10.82	0.2	31.9	>10.00	<1	4.6	<0.2
87472	<20	0.04	<0.001	0.02	<0.1	9.62	<0.1	8.2	>10.00	<1	7.5	<0.2

APPENDIX 2

Soil Data

Sample No.	Project	Year	Easting	Northing	Datum	Lab#	Type	Mo (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (PPB)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	As (ppm)	U (ppm)	Au (PPB)	Th (ppm)	Sr (ppm)	Cd (ppm)
87389	Rebel	2017	417696	6317363	NAD83 Z10	87389	Soil	13.63	36.72	20.88	607.7	2177	90.9	5.7	190	1.62	21.2	1.6	2.2	1.4	64.4	7.53
87390	Rebel	2017	417709	6317138	NAD83 Z10	87390	Soil	7.04	28.45	255.22	231.3	1478	36.1	5.7	675	2.34	23.6	1.2	1	2	75.1	3.67
87391	Rebel	2017	417733	6317094	NAD83 Z10	87391	Soil	3.31	10.22	17.72	119.1	232	15.4	2.3	81	1.45	6.4	0.8	<0.2	0.3	3.7	0.77
87392	Rebel	2017	417692	6317045	NAD83 Z10	87392	Soil	3.59	12.64	17.2	171.2	113	22.9	3.9	69	1.5	6.4	0.7	1.4	2.8	3.4	0.73
87393	Rebel	2017	417669	6317016	NAD83 Z10	87393	Soil	1.63	3.78	4.09	38.1	562	5.1	0.9	18	0.42	2.3	0.3	<0.2	0.9	1.8	0.2
87394	Rebel	2017	417638	6316976	NAD83 Z10	87394	Soil	0.33	1.18	1.23	7	139	1.2	0.2	8	0.07	0.2	0.1	<0.2	0.8	1.1	0.15
87395	Rebel	2017	417606	6316933	NAD83 Z10	87395	Soil	0.28	0.96	1.2	6.7	63	1	0.2	5	0.08	0.3	0.2	<0.2	0.7	1.2	0.07
87396	Rebel	2017	417569	6316890	NAD83 Z10	87396	Soil	4.45	10.95	10.32	80.8	87	18	2.8	58	1.39	6.6	0.4	<0.2	2.9	3.6	0.38
87397	Rebel	2017	418430	6318259	NAD83 Z10	87397	Soil	0.89	6.33	10.86	11.2	80	5	4.8	174	1.54	3.2	0.5	<0.2	0.3	2.7	0.09
87398	Rebel	2017	418444	6318218	NAD83 Z10	87398	Soil	1.24	8.24	8.76	25.2	53	6	6.3	662	1.99	2.6	0.4	<0.2	0.2	2.4	0.14
87399	Rebel	2017	418459	6318168	NAD83 Z10	87399	Soil	0.9	7.27	11.22	31.2	46	8.1	5.8	532	1.95	2.6	0.6	0.8	0.9	6.6	0.11
87400	Rebel	2017	418480	6318119	NAD83 Z10	87400	Soil	1.06	13.21	11.36	22.8	39	12.2	13.9	844	2.68	4.3	0.4	0.7	0.5	6.7	0.11

Sample No.	Sb (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)	Mg (%)	Ba (ppm)	Ti (%)	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Hg (PPB)	Se (ppm)	Te (ppm)	Ga (ppm)
87389	8.13	0.14	87	5.13	0.126	13.4	18.1	2.83	61.3	0.002	<20	0.4	0.004	0.1	0.2	3	0.45	<0.02	393	3.8	0.08	0.8
87390	5.24	0.1	53	5.84	0.118	10.5	11.4	2.39	195.7	0.002	<20	0.21	0.006	0.1	<0.1	2.4	2.31	0.06	1911	1.6	<0.02	0.5
87391	2.61	0.14	52	0.08	0.148	14.9	8.2	0.09	95.3	0.004	<20	0.57	0.002	0.09	<0.1	0.3	0.17	<0.02	24	0.8	0.03	1.8
87392	2.77	0.13	42	0.08	0.088	17.6	7.4	0.08	86	0.003	<20	0.44	0.002	0.11	<0.1	1.4	0.17	<0.02	25	1	0.04	1.4
87393	0.65	0.07	32	0.04	0.024	19.7	5.9	0.06	37.8	0.004	<20	0.43	0.002	0.07	<0.1	0.4	0.14	<0.02	26	0.3	<0.02	3
87394	0.05	<0.02	11	0.02	0.016	21.8	3.8	0.03	19.1	0.003	<20	0.28	0.002	0.05	<0.1	0.2	0.1	<0.02	12	<0.1	<0.02	2.6
87395	0.06	0.02	14	<0.01	0.018	20.9	3.5	0.03	16.7	0.003	<20	0.34	0.001	0.05	<0.1	0.3	0.15	<0.02	<5	<0.1	<0.02	3
87396	0.98	0.14	33	0.04	0.06	25.3	8.4	0.21	48.8	0.002	<20	0.61	0.002	0.09	<0.1	0.9	0.21	<0.02	20	0.5	0.03	2.6
87397	0.21	0.16	13	0.07	0.105	15.8	7.6	0.09	239.1	0.001	<20	1.02	0.002	0.07	<0.1	0.5	0.19	0.04	29	0.2	0.02	2.5
87398	0.26	0.23	12	0.05	0.087	15.2	6.3	0.06	128.6	0.002	<20	0.52	0.002	0.1	<0.1	0.7	0.1	0.03	24	0.1	<0.02	1.3
87399	0.2	0.21	11	0.25	0.099	17.9	7	0.13	1085.7	0.002	<20	0.59	0.002	0.09	<0.1	1.9	0.11	0.03	24	<0.1	<0.02	1.2
87400	0.39	0.19	7	0.28	0.146	13.3	5.2	0.08	135.6	0.002	<20	0.38	0.002	0.09	<0.1	1.3	0.09	0.04	14	0.2	<0.02	0.9

APPENDIX 3

XRF Readings

Station	NAD83Z10 Northing	NAD83Z10 Easting	Description	Rock type	Reading No	Duration	Units	SAMPLE	Mo	Mo Error	Zr	Zr Error
Reb002	6318477	417116	black chert 3 m wide above 40 m black shale and above that 50 m silstone	black chert	726	30.13	ppm	reb1	0	8	23	6
Reb002	6318477	417116		black chert	727	30.12	ppm	reb2	0	7	0	7
Reb002	6318477	417116		soil	728	25.48	ppm	reb3	0	9	75	11
Reb002	6318477	417116		ferricrete	729	30.13	ppm	reb4	0	16	48	16
Reb002	6318477	417116		black chert	730	30.12	ppm	reb5	0	8	17	6
Reb002	6318477	417116		black chert	731	30.14	ppm	reb6	0	8	21	6
Reb002	6318477	417116		ferricrete	732	30.02	ppm	reb7	0	6	0	6
Reb002	6318477	417116		black chert	733	30.13	ppm	reb8	0	12	0	13
Reb002	6318477	417116		black chert	734	30.13	ppm	reb9	0	7	0	7
Reb002	6318477	417116		black shale soil	735	30.05	ppm	reb9	49	8	193	13
Reb002	6318477	417116		siltstone	736	30.16	ppm	reb10	0	10	446	18
Reb007	6318163	417687	py nodules on black shale. 10 to 30 cm long and 5 to 10cm thick reb11 black shale w carb veinlets reb12 black shale 13 py nodule	semi-massive pyrite	737	30.14	ppm	reb11	14	7	335	20
Reb007	6318163	417687		semi-massive pyrite	738	30.14	ppm	reb12	0	8	214	14
Reb007	6318163	417687		semi-massive pyrite	739	30.52	ppm	reb13	20	10	0	17
Reb007	6318163	417687		semi-massive pyrite	740	30.12	ppm	reb13	0	10	16	8
Reb007	6318163	417687		semi-massive pyrite	741	30.13	ppm	reb14a	0	9	47	9
Reb008	6318169	417672	reb14 to 19 along 2.5 m of massive py within pyritic shale. 302.61 s0	semi-massive pyrite	744	30.13	ppm	reb14	0	10	147	13
Reb008	6318169	417672		semi-massive pyrite	745	30.14	ppm	reb15	25	7	81	10
Reb008	6318168	417672		semi-massive pyrite	746	30.13	ppm	reb16	0	10	51	11
Reb008	6318168	417672		semi-massive pyrite	747	30.13	ppm	reb17	0	11	139	15
Reb008	6318167	417672		semi-massive pyrite	748	30.16	ppm	reb18	0	11	14	9
Reb008	6318167	417672		semi-massive pyrite	749	30.15	ppm	reb19	0	11	194	17
Reb010	6318097	417701	reb20 to 30 2m spaced readings along chert	black chert	750	25.12	ppm	reb20	16	6	72	8
	6318097	417700		black chert	751	30.15	ppm	reb21	0	9	110	11
	6318096	417698		black chert	752	30.14	ppm	reb22	18	7	157	12
	6318096	417697		black chert	753	30.12	ppm	reb23	15	7	199	14
	6318095	417695		black chert	754	30.07	ppm	reb24	0	12	75	16
	6318095	417694		black chert	755	30.07	ppm	reb25	13	7	20	8
	6318094	417692		black chert	756	30.12	ppm	reb26	0	9	33	7
	6318094	417691		black chert	757	30.13	ppm	reb27	0	8	39	8
	6318093	417689		black chert	758	30.13	ppm	reb28	0	7	25	6
	6318093	417688		black chert	759	30.14	ppm	reb29	0	7	30	6
	6318092	417686		black chert	760	30.13	ppm	reb30	0	7	28	6

SAMPLE	Sr	Sr Error	U	U Error	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Se	Se Error	As	As Error	Hg	Hg Error	Zn	Zn Error	W	W Error	Cu	Cu Error	Ni	Ni Error	Co
reb1	13	4	0	10	0	4	0	14	347	27	0	7	0	31	0	13	286	31	0	66	0	33	0	43	0
reb2	0	3	0	8	0	3	0	8	21	8	0	5	0	9	0	11	0	14	0	52	0	27	46	27	0
reb3	95	9	0	14	25	6	0	15	116	20	0	9	0	24	0	27	11287	223	0	182	0	52	0	66	0
reb4	13	8	0	29	18	10	0	36	651	72	0	21	0	87	0	59	22969	511	0	409	0	125	0	234	0
reb5	0	5	0	9	5	3	0	10	100	16	0	6	0	19	0	14	222	29	0	66	0	37	0	46	0
reb6	0	5	0	11	8	4	0	10	91	16	0	7	0	19	23	11	1267	65	0	77	0	40	0	52	0
reb7	0	3	0	8	0	3	0	9	113	14	0	5	0	16	0	10	0	13	0	50	0	28	0	35	0
reb8	8	5	0	18	0	7	0	34	1387	76	0	13	0	90	0	32	7876	221	0	195	0	74	0	101	0
reb9	0	4	0	8	0	4	0	9	56	12	0	6	0	15	0	15	1757	73	0	79	0	34	116	34	0
reb9	130	9	0	20	73	8	19	11	224	25	0	8	53	22	19	11	63	20	0	78	172	41	73	41	0
reb10	126	9	0	18	94	9	21	9	19	11	0	7	0	13	0	14	384	39	0	77	0	42	0	54	0
reb11	747	23	0	22	52	8	28	12	165	24	0	9	83	22	21	13	0	25	0	89	0	48	0	60	0
reb12	303	13	0	16	42	6	27	9	51	13	0	8	52	13	44	12	0	18	0	68	54	29	0	47	0
reb13	18	7	0	23	0	11	0	49	2416	114	0	21	5215	161	0	35	257	53	0	157	446	90	0	146	0
reb13	22	5	0	15	9	5	0	27	1141	59	0	11	341	53	0	20	82	25	0	97	183	48	0	75	0
reb14a	47	6	0	15	12	5	0	20	660	42	0	9	139	37	0	16	50	20	0	80	0	50	0	64	0
reb14	36	6	0	18	47	7	0	13	50	15	0	9	528	33	0	17	97	25	0	91	96	39	91	49	0
reb15	34	6	0	15	19	5	0	13	165	24	11	7	561	37	0	18	143	29	0	87	70	38	153	55	0
reb16	29	7	0	16	12	6	0	42	2538	96	0	14	0	113	25	16	42	23	0	102	0	59	130	69	0
reb17	114	11	0	20	43	8	0	36	1892	81	0	13	158	67	61	19	58	25	0	104	0	61	0	82	0
reb18	16	6	0	16	0	8	0	37	2177	89	0	13	215	74	28	17	130	32	0	112	0	69	0	81	383
reb19	242	15	0	22	49	9	0	54	5196	129	0	15	0	144	84	20	0	33	0	104	93	44	0	69	0
reb20	57	6	0	11	14	4	0	9	68	14	0	6	29	12	0	13	78	19	78	48	0	38	0	46	89
reb21	156	10	0	16	19	5	0	13	103	18	0	8	107	19	0	16	46	19	0	87	71	35	155	47	0
reb22	45	6	0	15	24	5	0	13	200	24	0	9	514	35	0	17	0	23	0	88	148	41	79	47	0
reb23	164	11	0	18	39	7	17	11	168	23	0	9	109	23	0	18	0	24	0	84	0	51	68	43	0
reb24	522	23	0	21	0	9	0	22	460	43	0	11	909	58	0	24	50	25	0	112	250	60	144	68	0
reb25	24	6	0	15	6	4	0	12	38	15	17	8	1747	58	212	24	0	26	0	84	1058	86	220	56	0
reb26	20	4	0	11	0	5	0	9	23	11	0	7	122	16	19	10	0	21	0	70	268	45	95	38	0
reb27	163	9	0	12	0	5	0	10	32	11	0	6	48	11	0	12	0	17	0	63	45	27	0	46	0
reb28	30	4	0	9	5	3	0	7	0	10	0	5	30	7	0	10	0	13	0	53	0	31	0	36	0
reb29	54	5	0	9	4	3	0	8	49	11	0	5	56	11	0	11	0	15	0	49	40	22	0	38	0
reb30	27	4	0	10	5	3	0	8	13	8	0	6	92	12	15	8	0	14	0	53	110	28	0	41	0

SAMPLE	Co Error	Fe	Fe Error	Mn	Mn Error	Cr	Cr Error	V	V Error	Ti	Ti Error	Sc	Sc Error	Ca	Ca Error	K	K Error	S	S Error
reb1	80	3020	176	0	82														
reb2	58	2176	139	186	67														
reb3	369	51995	879	690	164														
reb4	2514	944418	6007	12599	1038														
reb5	77	2507	170	0	96														
reb6	274	41001	673	0	129														
reb7	36	441	67	0	68														
reb8	877	219791	2137	0	326														
reb9	386	99465	993	0	154														
reb9	253	28208	597	531	142														
reb10	197	18203	466	232	95														
reb11	86	2103	188	1599	220														
reb12	94	4728	233	680	132														
reb13	1333	378244	3198	0	481	0.1	933.8	0.1	1313	0.1	3559	0.1	361.4	0.1	2637	0.1	10697	0.1	87274
reb13	583	133881	1433	0	226														
reb14a	473	102121	1171	295	145														
reb14	597	149792	1465	524	187														
reb15	722	214159	1779	1097	237														
reb16	1025	341391	2507	0	373														
reb17	651	136760	1555	441	199														
reb18	238	35597	818	0	192														
reb19	362	45868	866	274	139														
reb20	59	2950	180	0	94														
reb21	181	12562	407	971	171														
reb22	441	81772	1040	574	166														
reb23	293	36554	707	835	173														
reb24	753	173366	1827	950	266														
reb25	783	260152	1961	0	312														
reb26	275	41513	709	0	133														
reb27	75	2550	166	0	101														
reb28	61	2414	140	0	81														
reb29	55	1758	124	0	78														
reb30	93	5507	222	109	64														

Station	NAD83Z10 Northing	NAD83Z10 Easting	Description	Rock type	Reading No	Duration	Units	SAMPLE	Mo	Mo Error	Zr	Zr Error
Reb011	6317916	417879	few py beds 10 to 20 cm thick here reb31 to40 50 cm readings up bedding starting at a py layer 41 and 42 are from py layers unit here is about 10 to 15 pct py layers from 1mm to 20 cm thick	semi-massive pyrite	761	33.45	ppm	reb31	0	15	30	15
	6317916	417880		semi-massive pyrite	762	31.16	ppm	reb32	15	7	119	12
	6317917	417880		semi-massive pyrite	763	30.15	ppm	reb33	0	10	163	12
	6317917	417880		semi-massive pyrite	764	25.12	ppm	reb34	10	5	155	9
	6317917	417881		semi-massive pyrite	765	30.54	ppm	reb35	0	13	0	15
	6317918	417881		semi-massive pyrite	766	30.16	ppm	reb36	0	12	126	14
	6317918	417882		semi-massive pyrite	767	30.15	ppm	reb37	0	22	28	17
	6317918	417882		semi-massive pyrite	768	30.04	ppm	reb38	10	6	184	11
	6317919	417882		semi-massive pyrite	769	30.45	ppm	reb39	8	5	169	10
	6317919	417883		semi-massive pyrite	770	30.03	ppm	reb40	13	7	57	10
	6317919	417883		semi-massive pyrite	771	30.14	ppm	reb41	0	14	23	12
	6317920	417883		semi-massive pyrite	772	30.14	ppm	reb42	0	18	0	21
Reb014	6317984	417936	py black shale with minor py layers and variably siliceous reb43 here and collecting every 1.5 m down	pyritic siliceous shale	773	30.15	ppm	reb43	0	10	54	10
	6317983	417935		pyritic siliceous shale	774	30.13	ppm	reb44	0	16	133	18
	6317981	417934		pyritic siliceous shale	775	30.17	ppm	reb44	0	8	38	8
	6317980	417933		pyritic siliceous shale	776	30.15	ppm	reb45	0	8	53	8
	6317978	417932		pyritic siliceous shale	777	30.14	ppm	reb46	0	9	64	10
	6317977	417931		pyritic siliceous shale	778	30.12	ppm	reb47	0	8	99	10
	6317975	417930		pyritic siliceous shale	779	30.15	ppm	reb48	0	9	97	11
	6317974	417929		pyritic siliceous shale	780	30.13	ppm	reb49	0	9	66	9
	6317972	417928		pyritic siliceous shale	781	30.12	ppm	reb50	0	9	34	9
	6317971	417927		pyritic siliceous shale	782	30.12	ppm	reb51	0	8	86	10
	6317969	417926		pyritic siliceous shale	783	30.12	ppm	reb52	0	8	53	9
	6317968	417925		pyritic siliceous shale	784	21.91	ppm	reb53	0	10	61	11
	6317966	417924		pyritic siliceous shale	785	20.73	ppm	reb54	0	10	47	10
	6317965	417923		pyritic siliceous shale	786	21.54	ppm	reb55	0	11	113	13
	6317963	417922		pyritic siliceous shale	787	22.27	ppm	reb56	0	10	37	10
	6317962	417921		pyritic siliceous shale	788	21.17	ppm	reb57	0	11	62	11
	6317960	417920		pyritic siliceous shale	789	20.86	ppm	reb58	0	10	48	10
	6317959	417919		pyritic siliceous shale	790	20.47	ppm	reb59	0	9	0	14
	6317957	417918		pyritic siliceous shale	791	20.47	ppm	reb60	0	13	105	15
	6317956	417917		pyritic siliceous shale	792	20.51	ppm	reb61	0	12	34	12
	6317954	417916		pyritic siliceous shale	793	22.62	ppm	reb62	0	10	107	11
	6317953	417915		pyritic siliceous shale	794	21.56	ppm	reb63	0	14	67	16
	6317951	417914		pyritic siliceous shale	795	20.49	ppm	reb64	0	10	41	10

SAMPLE	Sr	Sr Error	U	U Error	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Se	Se Error	As	As Error	Hg	Hg Error	Zn	Zn Error	W	W Error	Cu	Cu Error	Ni	Ni Error	Co
reb31	32	9	0	23	0	12	0	78	5840	181	0	25	539	150	0	32	59	35	0	156	274	82	0	162	0
reb32	46	6	0	17	30	6	0	35	2466	80	0	13	201	66	0	17	142	27	0	86	115	38	0	70	818
reb33	46	6	0	17	44	7	0	19	606	39	0	9	99	34	0	18	209	31	0	85	92	36	0	63	575
reb34	24	4	0	11	21	4	0	10	152	17	0	5	0	19	0	9	19	11	0	49	0	27	0	37	0
reb35	15	6	0	21	0	10	0	41	1975	98	0	18	0	119	0	31	354	56	191	110	0	88	0	132	2278
reb36	76	9	0	20	36	8	0	24	632	48	0	11	99	41	0	22	104	29	0	109	0	67	0	89	0
reb37	15	9	0	31	0	13	0	34	152	45	0	21	0	56	0	53	0	63	0	297	0	175	0	205	0
reb38	24	4	0	15	64	7	0	11	39	11	0	6	25	10	0	12	0	17	0	64	0	33	0	47	0
reb39	34	5	0	14	72	7	0	10	83	14	0	5	0	17	0	12	0	16	0	60	0	31	57	31	0
reb40	31	6	0	16	16	5	0	18	398	35	0	10	235	35	0	19	0	28	0	100	86	40	0	71	669
reb41	24	8	0	21	0	9	0	32	751	65	0	16	145	56	0	33	0	45	0	151	119	68	0	137	0
reb42	0	11	0	27	0	12	0	64	3258	163	0	27	0	196	0	48	260	67	0	247	0	136	0	193	1601
reb43	68	8	0	17	16	6	0	13	64	17	0	10	1147	50	0	17	104	27	0	87	0	52	0	81	0
reb44	54	10	0	26	24	9	0	22	0	23	0	16	94	22	0	31	61	34	0	166	0	93	0	149	1907
reb44	174	10	0	12	19	4	0	9	0	11	0	5	0	9	0	12	22	14	0	63	0	35	61	33	0
reb45	123	8	0	12	23	5	0	9	0	12	0	6	0	11	0	11	0	19	0	58	0	38	62	32	0
reb46	87	8	0	15	31	6	0	12	0	16	0	7	15	10	0	15	68	21	0	78	0	43	174	47	0
reb47	75	7	0	15	53	6	12	7	0	12	0	6	21	8	0	13	43	16	0	70	0	36	75	34	0
reb48	100	8	0	16	50	7	0	10	16	10	0	8	56	12	0	14	81	21	0	74	0	41	184	47	0
reb49	102	8	21	11	29	6	0	11	0	14	0	7	0	13	0	14	46	18	0	70	0	42	0	55	0
reb50	103	9	0	14	8	4	0	8	0	14	0	7	24	10	0	16	70	21	0	81	0	44	81	45	0
reb51	115	9	0	13	15	4	0	9	20	10	0	6	0	13	0	14	25	15	0	75	0	43	91	38	0
reb52	140	9	0	12	23	5	0	9	0	11	0	6	0	9	0	12	0	19	0	63	0	36	0	47	0
reb53	125	11	0	14	30	6	0	12	0	15	0	8	0	13	0	16	28	18	0	83	0	45	80	44	0
reb54	117	10	0	15	21	6	0	11	0	14	0	7	0	12	0	16	0	24	0	89	0	41	0	57	0
reb55	89	9	0	15	23	6	0	11	0	14	0	7	26	10	0	15	37	20	0	79	0	50	114	49	0
reb56	108	10	0	15	22	6	0	13	0	14	0	8	15	9	0	16	59	23	0	85	0	49	0	66	0
reb57	83	9	0	17	26	6	0	13	0	17	0	7	19	10	0	16	0	23	0	85	0	43	0	62	0
reb58	158	12	0	15	21	5	0	10	0	16	0	7	0	12	0	15	0	21	0	74	0	43	0	59	0
reb59	185	13	0	13	7	4	0	10	0	14	0	8	0	11	0	16	0	22	0	87	0	42	82	43	0
reb60	100	12	0	21	47	9	0	16	0	21	0	10	23	14	0	21	0	31	0	101	0	59	0	92	0
reb61	149	13	0	19	18	6	0	12	0	16	0	9	0	14	0	20	90	29	0	101	0	55	81	54	0
reb62	86	8	0	18	60	8	0	12	0	16	0	7	19	10	0	14	0	19	0	72	0	43	88	41	0
reb63	56	11	0	26	24	9	0	22	0	26	0	16	147	29	0	29	0	48	0	150	0	84	0	154	0
reb64	123	11	0	14	17	5	0	11	0	17	0	8	0	14	0	18	0	26	0	89	0	44	0	61	0

SAMPLE	Co Error	Fe	Fe Error	Mn	Mn Error	Cr	Cr Error	V	V Error	Ti	Ti Error	Sc	Sc Error	Ca	Ca Error	K	K Error	S	S Error	
reb31	1484	441324	3557	665	375	0.1	342.2	0.1	556.5	0.1	1387	0.1	300.7	32830	3520	7453	2758	24384	12262	
reb32	273	67009	934	355	137	0.1	296.3	0.1	706.4	0.1	1636	0.1	324.4	36381	3542	5209	2254	0.1	7107	
reb33	224	46343	765	245	117															
reb34	59	1511	117	0	76															
reb35	822	339200	2882	0	427	0.1	1526	0.1	129.8	0.1	1711	0.1	732.6	49837	15781	0.1	7927	0.1	1E+05	
reb36	560	94975	1317	379	175															
reb37	499	23232	1134	0	213															
reb38	131	8406	290	157	79															
reb39	120	7525	268	230	81	0.1	381.2	0.1	1343	0.1	3547	0.1	361.4	17554	4140	9718	4643	0.1	13689	
reb40	303	73431	1051	267	140															
reb41	1248	315079	2953	0	453															
reb42	987	290764	3479	0	532															
reb43	640	146630	1537	410	185															
reb44	757	222268	2633	0	421															
reb44	213	26913	527	263	96															
reb45	211	27532	526	194	88															
reb46	511	125013	1296	487	165															
reb47	231	31973	580	842	140															
reb48	548	150581	1381	260	156															
reb49	346	63073	879	0	166															
reb50	445	87506	1087	586	160															
reb51	310	52206	779	276	114															
reb52	131	8485	303	275	89															
reb53	351	47312	889	261	133															
reb54	220	17395	539	342	125															
reb55	633	143687	1596	369	187															
reb56	350	40051	851	401	147															
reb57	302	31167	725	191	116															
reb58	163	8552	375	257	109															
reb59	184	12780	458	268	113															
reb60	579	80991	1409	431	200															
reb61	341	33047	857	872	207															
reb62	239	23541	571	291	113															
reb63	1646	462147	3973	869	428															
reb64	207	13821	493	352	126															

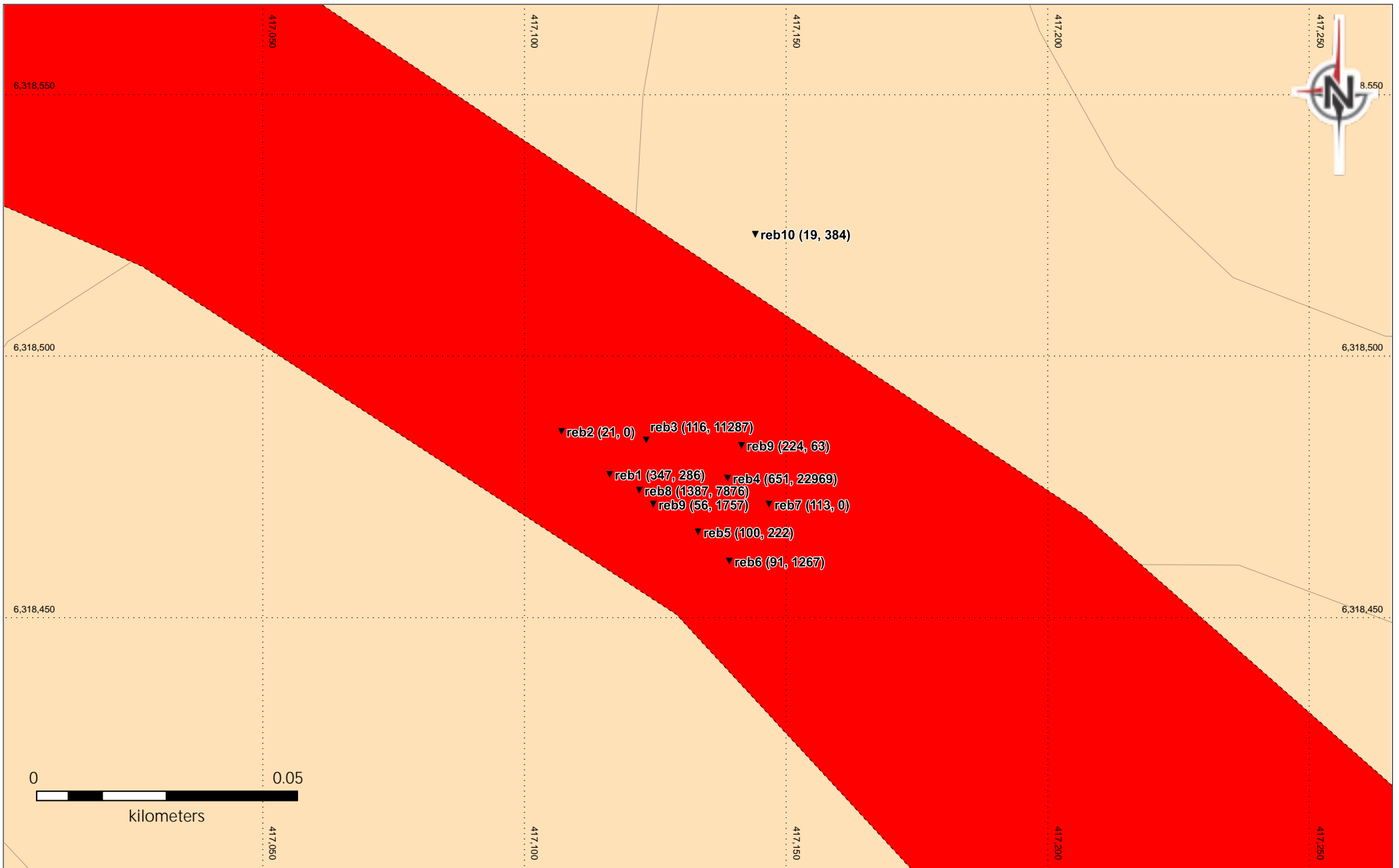
Station	NAD83Z10 Northing	NAD83Z10 Easting	Description	Rock type	Reading No	Duration	Units	SAMPLE	Mo	Mo Error	Zr	Zr Error
Reb013	6317950	417913		pyritic siliceous shale	796	20.47	ppm	reb65	0	11	137	14
	6317948	417912	reb 66 3 m to 67 then 1.5 m until81	pyritic siliceous shale	798	20.1	ppm	reb66	20	8	206	15
	6317947	417911		pyritic siliceous shale	799	20.48	ppm	reb67	0	12	71	14
	6317946	417909		pyritic siliceous shale	801	20.5	ppm	reb68	0	11	177	15
	6317945	417907		pyritic siliceous shale	802	21.19	ppm	reb69	11	7	144	13
	6317945	417906		pyritic siliceous shale	803	24.03	ppm	reb70	0	10	125	11
	6317944	417904		pyritic siliceous shale	804	20.44	ppm	reb71	0	13	197	17
	6317943	417903		pyritic siliceous shale	805	20.85	ppm	reb72	0	10	129	12
	6317942	417901		pyritic siliceous shale	806	30.13	ppm	reb73	14	6	183	11
	6317941	417900		pyritic siliceous shale	807	30.17	ppm	reb74	11	6	169	11
	6317940	417898		pyritic siliceous shale	808	30.13	ppm	reb75	9	5	168	10
	6317939	417896		pyritic siliceous shale	809	21.58	ppm	reb76	0	10	163	13
	6317938	417895		pyritic siliceous shale	810	23.7	ppm	reb77	0	9	33	8
	6317937	417893		pyritic siliceous shale	811	21.19	ppm	reb78	16	8	171	15
	6317937	417892		pyritic siliceous shale	812	30.14	ppm	reb79	0	9	98	9
6317936	417890		pyritic siliceous shale	813	25.46	ppm	reb80	16	6	142	11	
6317935	417888		pyritic siliceous shale	814	28.28	ppm	reb81	0	9	85	9	
Reb024	6317618	418629	10 cm bed of py reb84. within black shale with cherty beds. s1 137.84. s0 127.80 sampled to reb94	pyritic siliceous shale	821	30.14	ppm	reb84	0	8	28	7
	6317615	418630		pyritic siliceous shale	822	30.15	ppm	reb85	11	6	26	7
	6317612	418631		pyritic siliceous shale	823	30.16	ppm	reb86	0	7	35	6
	6317610	418632		pyritic siliceous shale	824	27.66	ppm	reb87	15	6	118	10
	6317607	418633		pyritic siliceous shale	825	30.13	ppm	reb88	0	8	26	8
	6317604	418634		pyritic siliceous shale	826	23.7	ppm	reb89	0	10	42	10
	6317602	418635		pyritic siliceous shale	827	26.57	ppm	reb90	0	8	42	9
	6317599	418636		pyritic siliceous shale	828	21.21	ppm	reb91	0	9	27	9
	6317597	418637		pyritic siliceous shale	829	9.02	ppm	reb92	0	18	0	26
	6317594	418637		pyritic siliceous shale	830	30.14	ppm	reb92	0	8	16	7
	6317591	418638		pyritic siliceous shale	831	26.92	ppm	reb93	0	8	19	7
Reb025	6317589	418639	reb94 end ~1.5 m btn s0 087.82	pyritic siliceous shale	832	22.96	ppm	reb94	0	9	0	13

SAMPLE	Sr	Sr Error	U	U Error	Rb	Rb Error	Th	Th Error	Pb	Pb Error	Se	Se Error	As	As Error	Hg	Hg Error	Zn	Zn Error	W	W Error	Cu	Cu Error	Ni	Ni Error	Co
reb65	82	9	0	18	50	8	0	15	0	18	0	8	0	15	0	17	0	26	0	80	0	49	0	66	0
reb66	33	6	0	18	58	8	0	14	25	13	0	8	23	12	0	15	37	20	0	86	0	53	98	46	0
reb67	153	14	0	17	18	6	0	14	0	20	0	9	0	17	0	21	0	35	0	106	0	64	0	82	0
reb68	79	9	0	20	62	9	0	12	0	19	0	9	44	14	0	16	0	23	0	88	0	50	0	65	0
reb69	43	7	0	19	46	8	0	13	36	14	0	8	34	14	0	16	0	24	0	81	0	46	0	61	0
reb70	22	5	0	16	35	6	0	12	29	12	0	7	52	13	0	14	24	16	0	66	59	32	0	55	0
reb71	33	7	0	20	54	9	20	12	24	15	0	10	83	19	0	18	0	31	0	102	0	62	0	74	0
reb72	46	7	0	16	43	7	0	12	31	13	9	6	40	13	0	14	0	25	0	76	0	50	62	41	0
reb73	30	5	0	14	43	6	0	10	33	11	0	6	64	12	0	12	43	16	0	67	56	28	135	38	0
reb74	31	5	0	14	48	6	0	9	33	10	0	6	30	10	0	12	0	18	0	57	0	33	74	33	0
reb75	20	4	0	14	63	6	12	7	23	9	0	6	47	10	0	11	20	12	0	55	0	35	76	31	0
reb76	43	6	0	17	55	7	0	11	18	11	0	8	27	11	0	15	35	18	0	76	0	45	0	56	0
reb77	32	6	0	13	17	5	0	11	0	15	0	7	0	12	0	14	64	21	0	76	0	42	0	65	0
reb78	63	9	0	21	53	9	0	15	31	15	0	9	219	26	0	18	141	32	0	91	0	56	0	83	0
reb79	32	5	0	14	36	6	12	7	27	11	0	7	46	11	0	16	1626	73	0	84	0	40	0	54	318
reb80	26	5	0	16	52	7	0	11	50	14	0	7	125	18	0	16	191	29	0	76	56	31	84	41	0
reb81	17	4	0	15	31	6	0	8	32	12	0	7	98	15	0	14	126	25	0	79	65	32	0	62	535
reb84	124	8	0	10	9	3	0	8	0	12	0	6	23	8	0	12	33	14	0	62	0	35	48	32	0
reb85	10	4	0	13	0	5	0	11	165	22	0	9	79	21	0	18	0	21	0	82	60	35	0	61	551
reb86	6	3	0	9	15	3	0	10	126	16	0	5	61	15	0	11	0	14	0	57	55	24	0	41	0
reb87	45	6	0	12	25	5	0	10	19	9	0	5	26	9	0	13	0	18	0	62	0	38	0	50	0
reb88	120	8	0	12	6	3	0	9	0	14	0	7	0	12	0	12	0	19	0	69	0	38	0	49	0
reb89	87	9	0	16	17	5	0	10	0	16	0	8	0	14	0	15	0	21	0	81	0	52	0	65	0
reb90	173	10	0	13	10	4	0	10	0	12	0	6	0	11	0	13	0	19	0	66	0	36	0	51	0
reb91	119	10	0	13	0	5	0	9	16	11	0	7	0	13	0	15	0	18	0	81	0	42	0	57	0
reb92	144	22	0	30	0	12	0	17	0	15	0	17	0	17	0	32	0	52	0	170	0	100	0	118	0
reb92	148	9	0	12	5	3	0	8	0	12	0	6	16	8	0	12	0	17	0	66	0	38	0	48	0
reb93	49	6	0	11	8	3	0	8	0	10	0	6	12	7	0	12	0	18	0	61	0	38	0	46	0
reb94	213	12	0	13	0	5	0	9	0	15	0	7	0	13	0	15	0	23	0	72	0	47	0	56	0

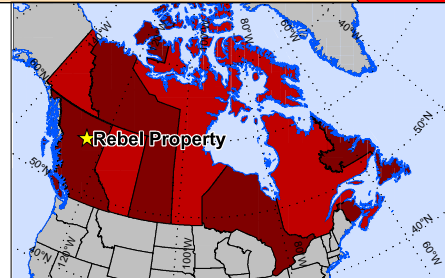
SAMPLE	Co Error	Fe	Fe Error	Mn	Mn Error	Cr	Cr Error	V	V Error	Ti	Ti Error	Sc	Sc Error	Ca	Ca Error	K	K Error	S	S Error
reb65	241	19425	585	167	108														
reb66	216	15134	505	216	112														
reb67	230	11882	536	323	146														
reb68	213	15063	511	181	110														
reb69	203	13200	471	579	146														
reb70	169	11731	401	251	103														
reb71	231	13023	527	375	145														
reb72	219	17244	518	207	105														
reb73	221	28481	535	669	124														
reb74	164	14651	375	208	84														
reb75	155	15108	368	169	78														
reb76	174	11932	412	213	101														
reb77	360	50941	864	474	144														
reb78	433	52494	1008	349	159														
reb79	146	22459	494	1388	169														
reb80	300	39677	705	817	154														
reb81	228	50133	784	304	121														
reb84	186	20052	442	1569	168														
reb85	178	25615	587	0	114														
reb86	128	10020	291	0	81														
reb87	146	9904	327	357	97														
reb88	136	8350	306	386	102														
reb89	117	3659	249	237	103														
reb90	162	12946	386	937	144														
reb91	176	10744	407	888	162														
reb92	225	3116	456	0	278														
reb92	164	14514	392	800	130														
reb93	104	5291	247	693	123														
reb94	140	6912	313	491	124														

APPENDIX 4

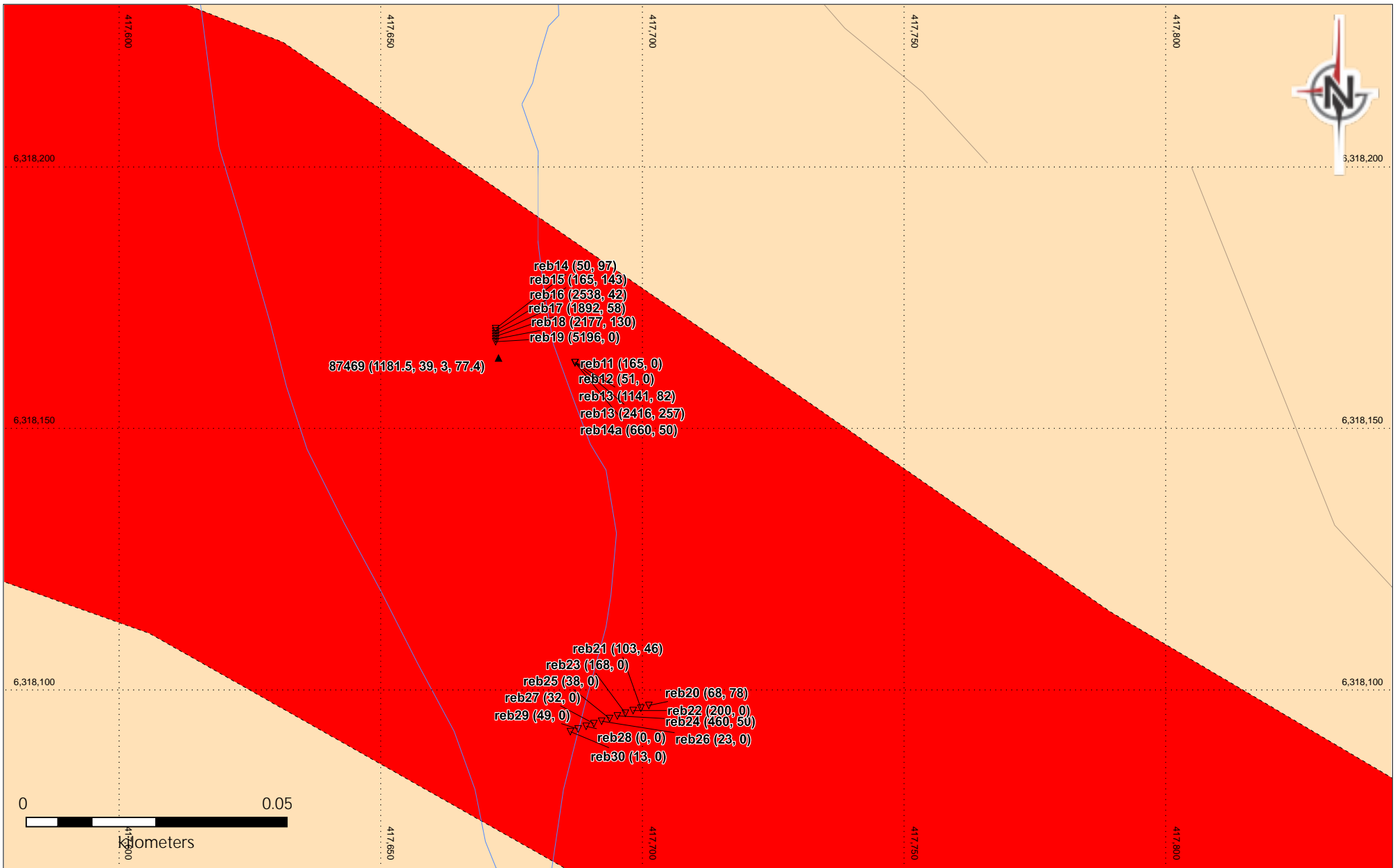
Geochemical Maps



- Legend**
- Claims
 - Watercourses
 - Waterbody
 - Elevation contour (100 ft)
 - Thrust Fault
 - Interpreted SEDEX Horizon
 - Traced SEDEX Horizon
 - Earn and Road River Group
 - Ketchika Group
 - XRF Reading Location - reading no. (Pb ppm, Zn ppm)

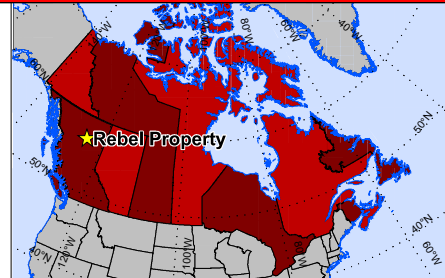


COMMANDER RESOURCES INC.	
Date: March 31, 2018	Rebel Property
Drafted by: S. Wetherup	XRF Reading Locations Area 1 (westernmost)
Figure: App 4	NAD83 Zone 10



Legend

- Claims
- Watercourses
- Waterbody
- Elevation contour (100 ft)
- XRF Reading Location - reading no. (Pb ppm, Zn ppm)
- Rock Sample - Sample No. (Pb, Zn, Ag, As ppm)
- Thrust Fault
- Interpreted SEDEX Horizon
- Traced SEDEX Horizon
- Earn and Road River Group
- Ketchika Group



COMMANDER RESOURCES INC.

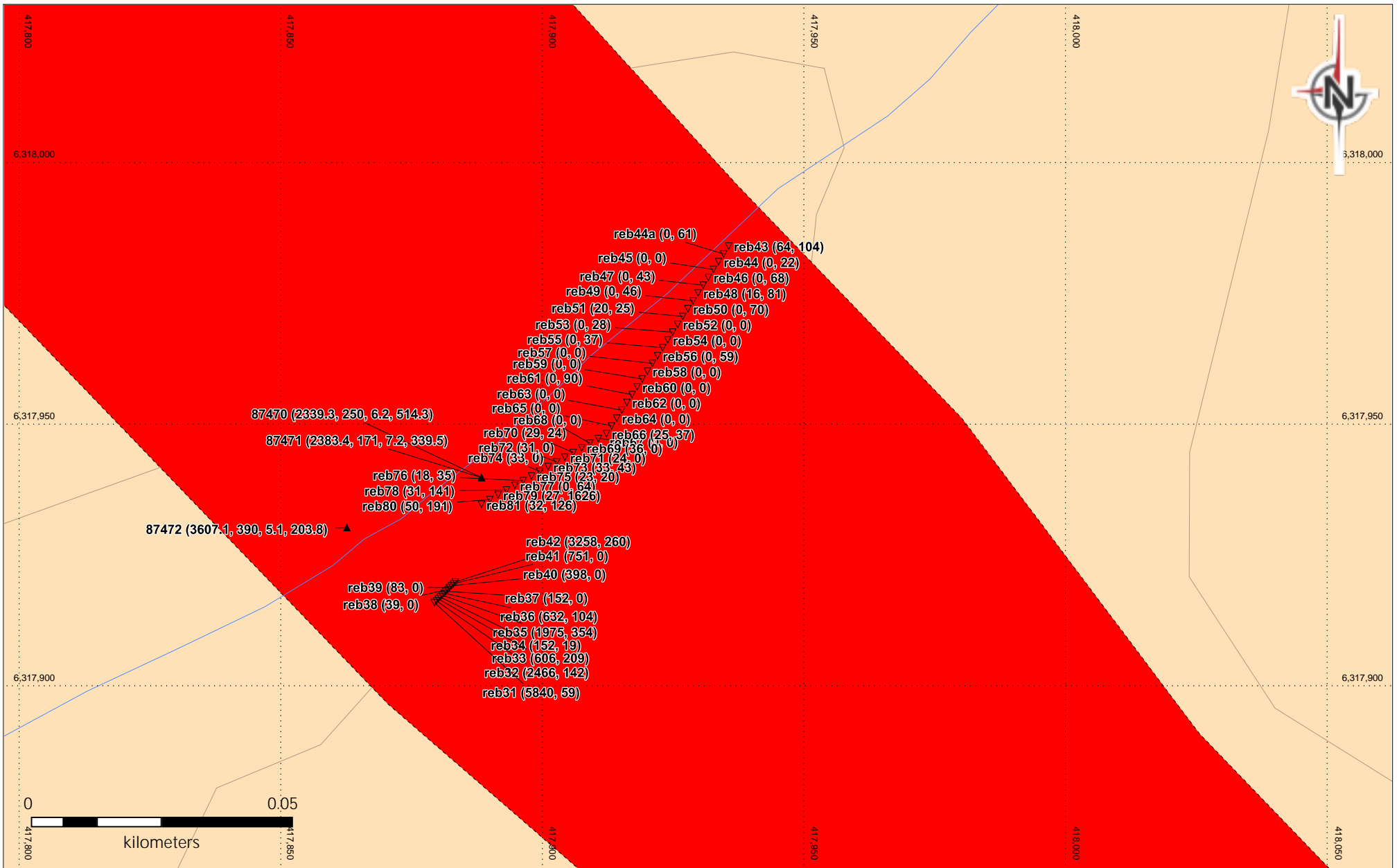
Date: March 31, 2018
 Rebel Property

Drafted by:
 S. Wetherup

XRF Reading Locations
 Area 2 (west-central)

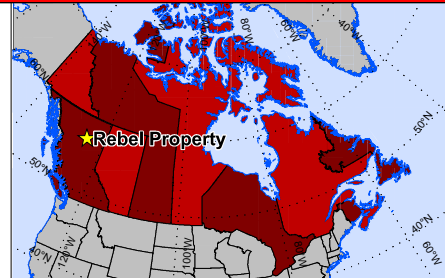
Figure:
App 4

NAD83 Zone 10



Legend

- Claims
- Watercourses
- Waterbody
- Elevation contour (100 ft)
- Thrust Fault
- Interpreted SEDEX Horizon
- Traced SEDEX Horizon
- Earn and Road River Group
- Ketchika Group
- XRF Reading Location - reading no. (Pb ppm, Zn ppm)
- Rock Sample - Sample No. (Pb, Zn, Ag, As ppm)



COMMANDER RESOURCES INC.

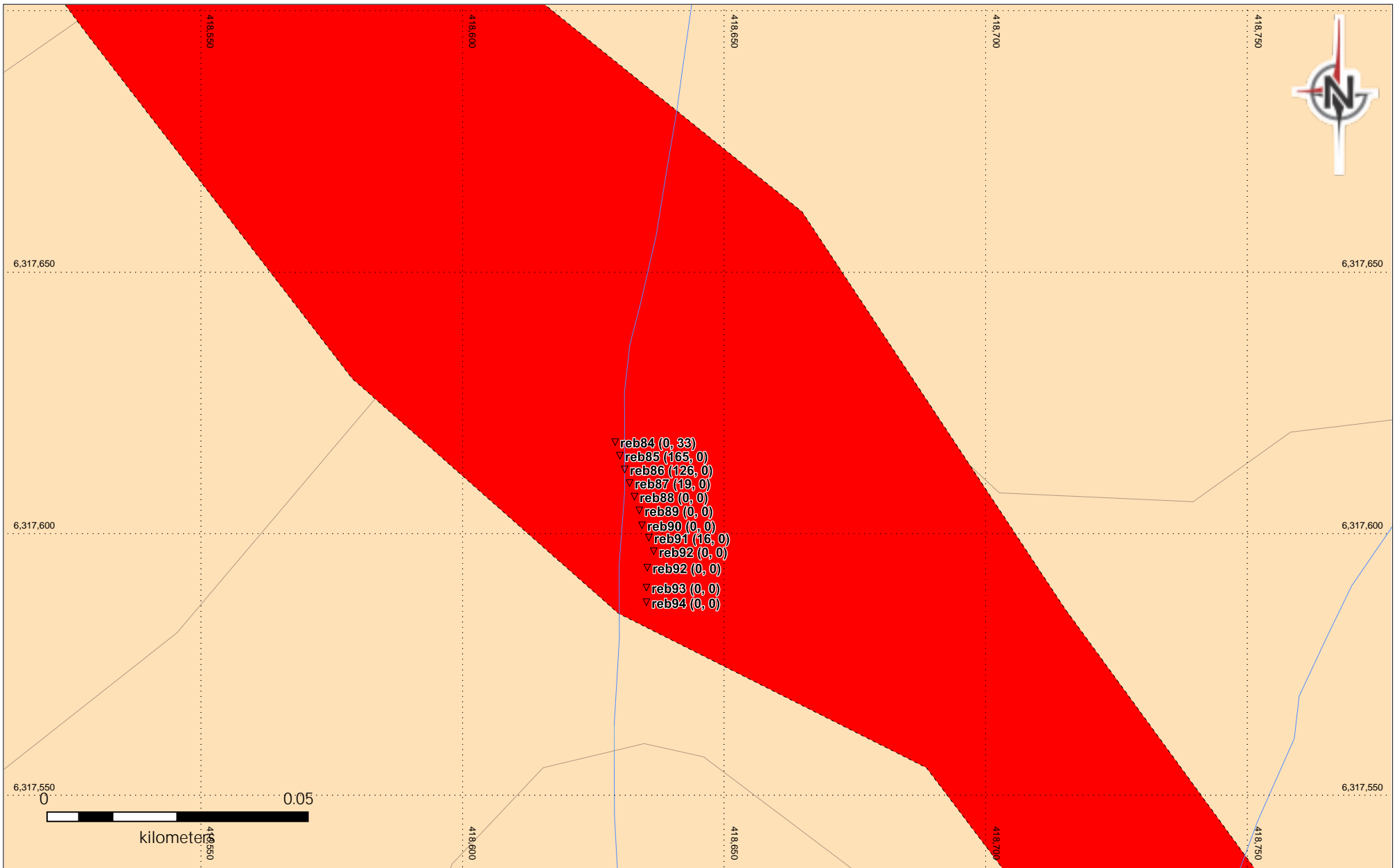
Date: March 31, 2018
 Rebel Property

Drafted by:
 S. Wetherup

Figure:
App 4





XRF Reading Locations
 Area 3 (East-central)

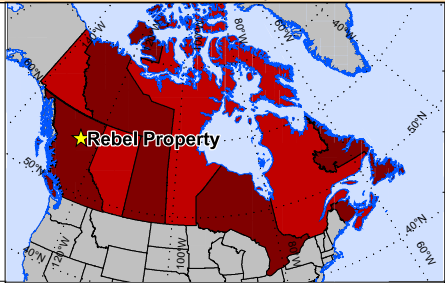
NAD83 Zone 10



▽ reb84 (0, 33)
 ▽ reb85 (165, 0)
 ▽ reb86 (126, 0)
 ▽ reb87 (19, 0)
 ▽ reb88 (0, 0)
 ▽ reb89 (0, 0)
 ▽ reb90 (0, 0)
 ▽ reb91 (16, 0)
 ▽ reb92 (0, 0)
 ▽ reb92 (0, 0)
 ▽ reb93 (0, 0)
 ▽ reb94 (0, 0)

Legend

-  Claims
-  Watercourses
-  Waterbody
-  Elevation contour (100 ft)
-  Thrust Fault
-  Interpreted SEDEX Horizon
-  Traced SEDEX Horizon
-  Earn and Road River Group
-  Ketchika Group
-  XRF Reading Location - reading no. (Pb ppm, Zn ppm)
-  Rock Sample - Sample No. (Pb, Zn, Ag, As ppm)



COMMANDER RESOURCES INC.

Date: March 31, 2018

Rebel Property

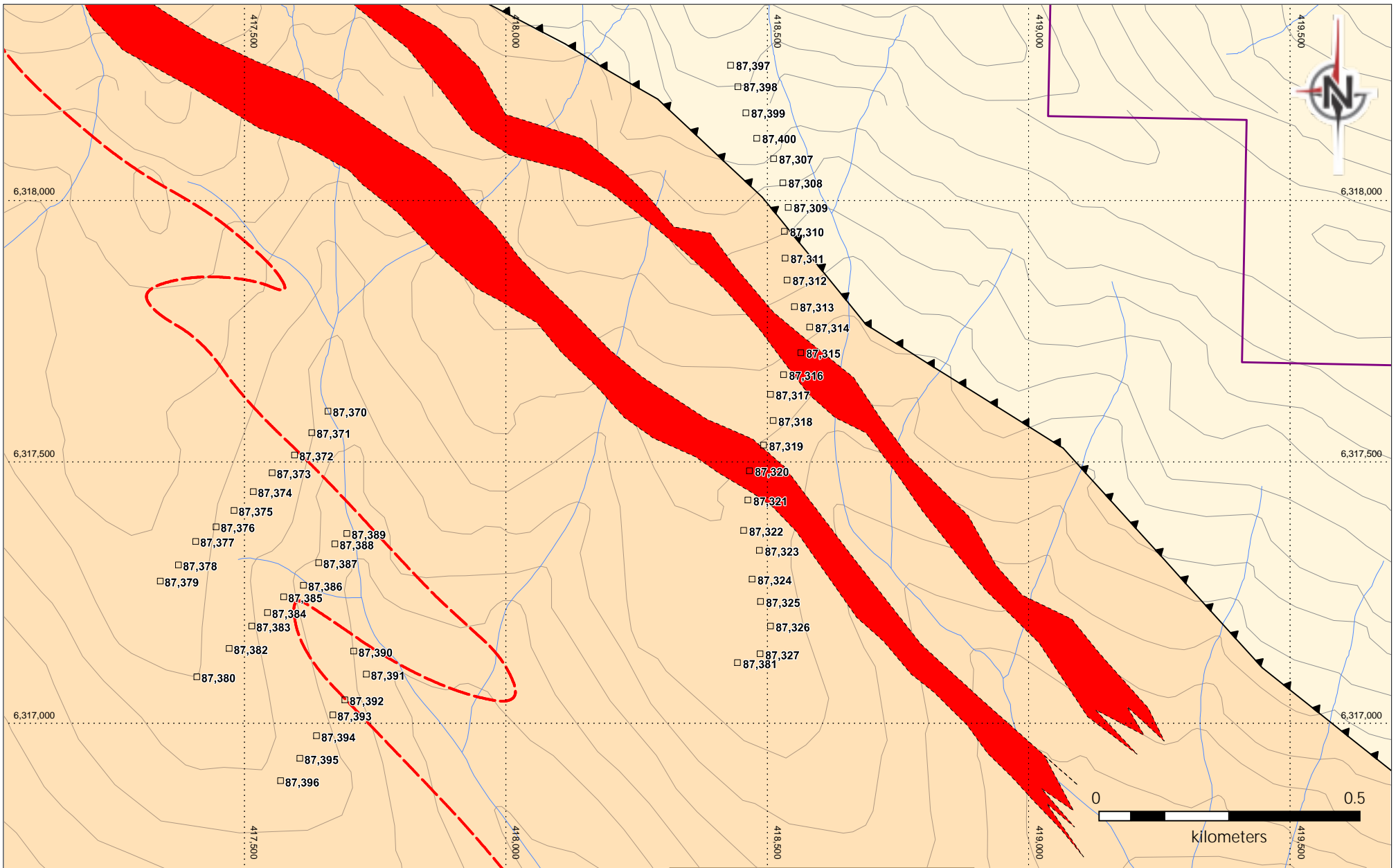
Drafted by:
S. Wetherup

XRF Reading Locations
Area 4 (Eastern)










Figure:

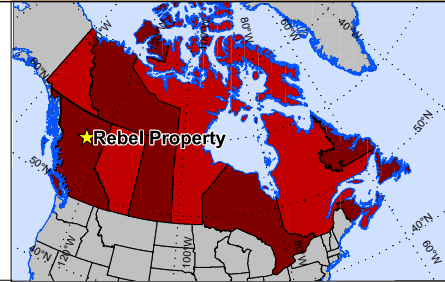
App 4


NAD83 Zone 10

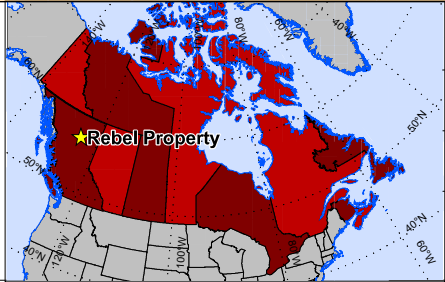
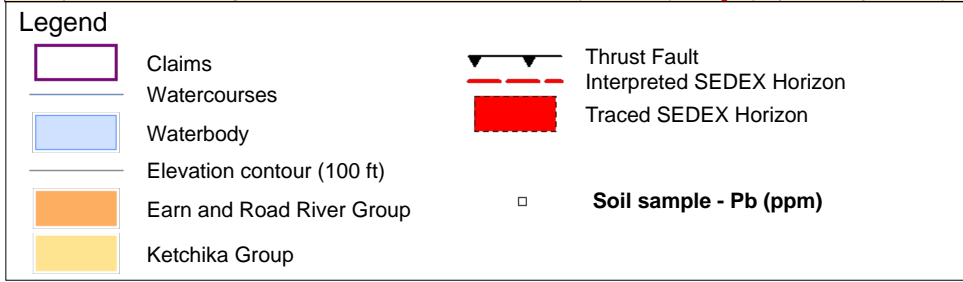
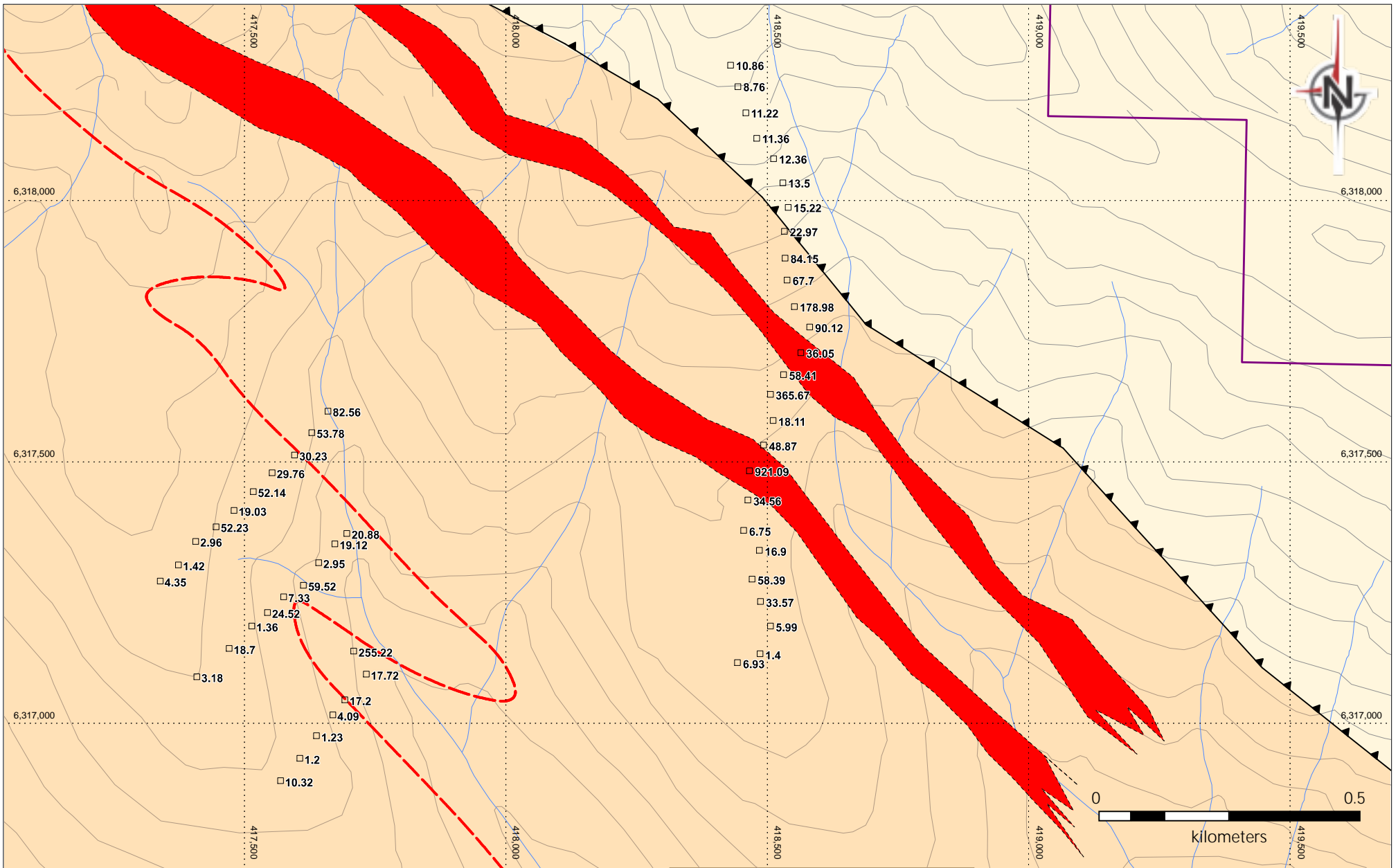


Legend

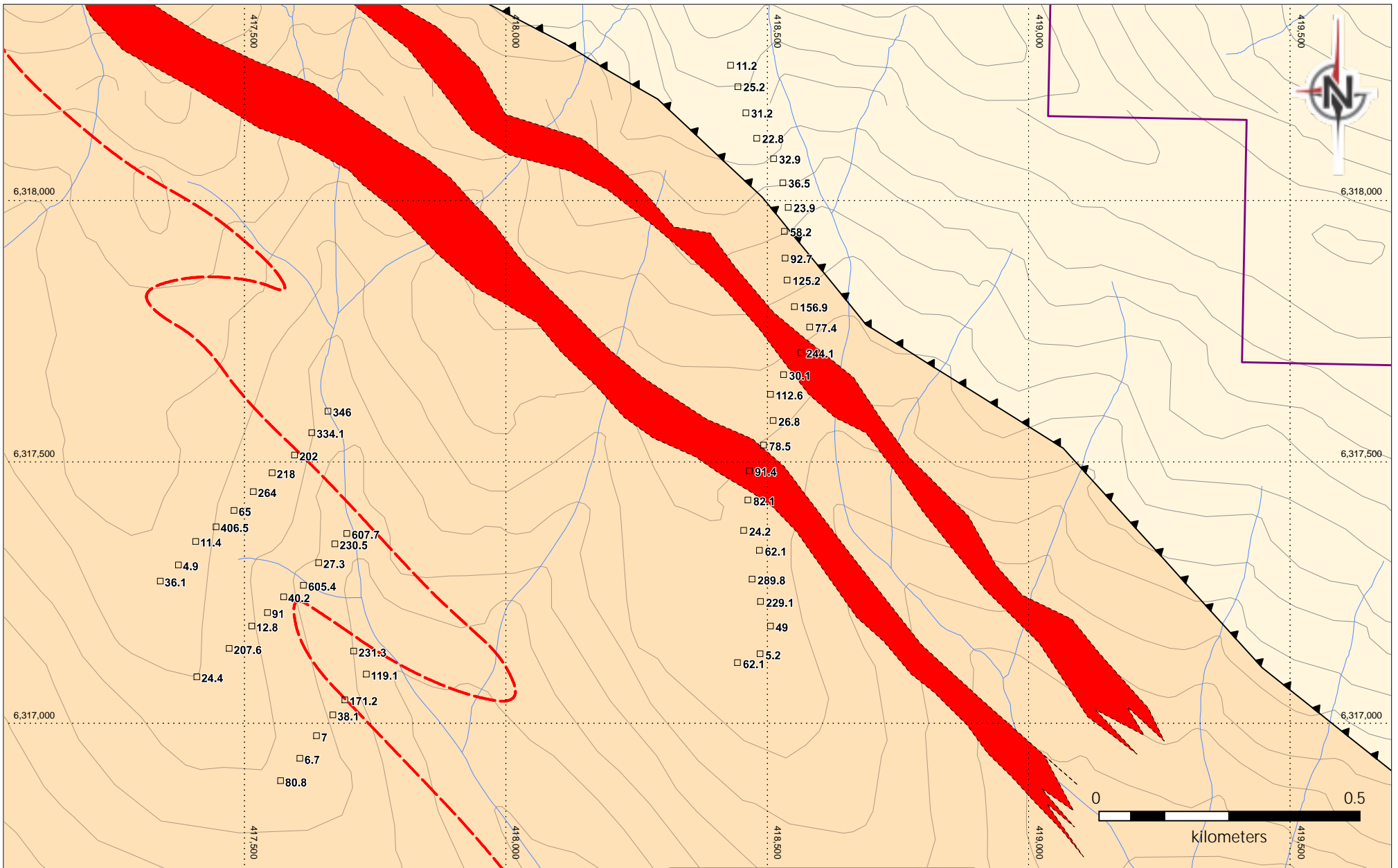
-  Claims
-  Watercourses
-  Waterbody
-  Elevation contour (100 ft)
-  Earn and Road River Group
-  Ketchika Group
-  Thrust Fault
-  Interpreted SEDEX Horizon
-  Traced SEDEX Horizon













	COMMANDER RESOURCES INC.	
	Date: March 31, 2018	Rebel Property
	Drafted by: S. Wetherup	<p style="margin: 0;">2017 Soils Sample Numbers</p>
Figure: App 4		NAD83 Zone 10

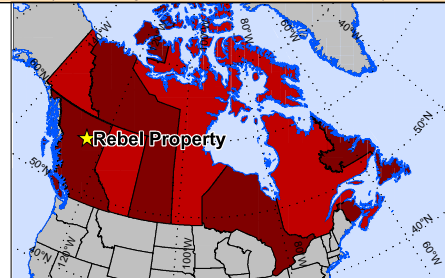



	COMMANDER RESOURCES INC.	
	Date: March 31, 2018	Rebel Property
	Drafted by: S. Wetherup	2017 Soils Pb in Soil (ppm)
Figure: App 4	NAD83 Zone 10	

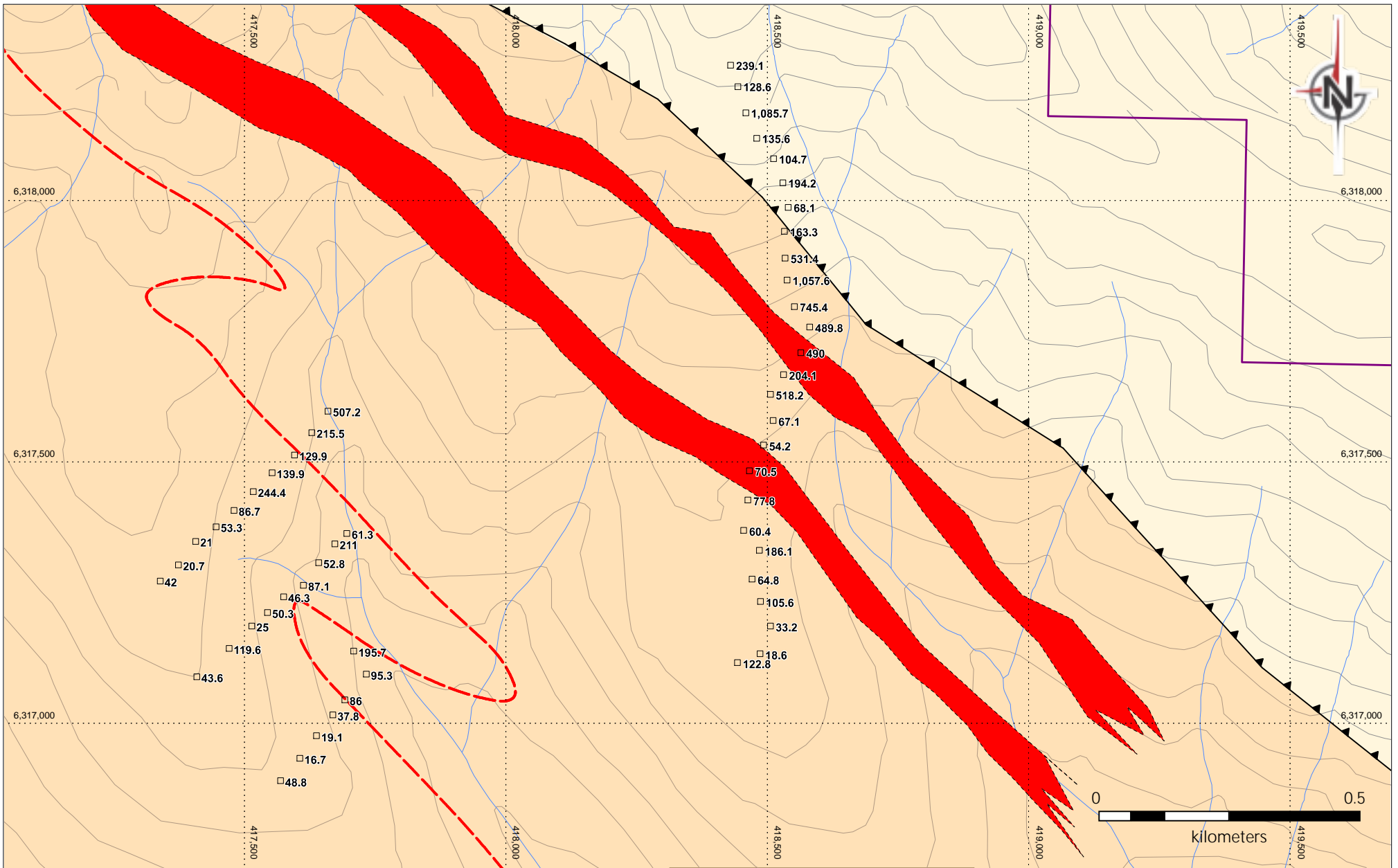


Legend

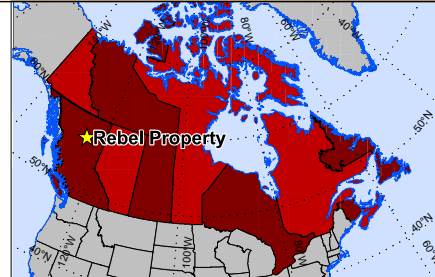
-  Claims
-  Watercourses
-  Waterbody
-  Elevation contour (100 ft)
-  Earn and Road River Group
-  Ketchika Group
-  Thrust Fault
-  Interpreted SEDEX Horizon
-  Traced SEDEX Horizon
-  Soil sample - Zn (ppm)



	COMMANDER RESOURCES INC.	
Date: March 31, 2018	Rebel Property	
Drafted by: S. Wetherup	2017 Soils Zn in Soil (ppm)	
Figure: App 4	NAD83 Zone 10	



- Legend**
- Claims
 - Watercourses
 - Waterbody
 - Elevation contour (100 ft)
 - Earn and Road River Group
 - Ketchika Group
 - Thrust Fault
 - Interpreted SEDEX Horizon
 - Traced SEDEX Horizon
 - Soil sample - Ba (ppm)



		COMMANDER RESOURCES INC.	
Date: March 31, 2018		Rebel Property	
Drafted by: S. Wetherup		2017 Soils Ba in Soil (ppm)	
Figure: App 4		NAD83 Zone 10	

APPENDIX 5

Assay Certificates



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Commander Resources Ltd.**
1100 - 1111 Melville Street
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 05, 2017
Report Date: November 17, 2017
Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN17001982.1

CLIENT JOB INFORMATION

Project: REC
Shipment ID:
P.O. Number
Number of Samples: 110

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Commander Resources Ltd.
1100 - 1111 Melville Street
Vancouver British Columbia V6E 3V6
Canada

CC: Rob Cameron

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	110	Dry at 60C			VAN
SS80	110	Dry at 60C sieve 100g to -80 mesh			VAN
SVRJT	110	Save all or part of Soil Reject			VAN
AQ250	110	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
DRPLP	110	Warehouse handling / disposition of pulps			VAN
DRRJT	110	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Commander Resources Ltd.**
1100 - 1111 Melville Street
Vancouver British Columbia V6E 3V6 Canada

Project: REC
Report Date: November 17, 2017

Page: 2 of 5 **Part:** 1 of 2

CERTIFICATE OF ANALYSIS

VAN17001982.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
87174	Soil	3.55	143.97	7.87	49.2	177	25.3	17.6	322	2.60	1.8	0.6	2.8	0.4	162.3	0.26	0.15	1.32	67	0.75	0.056
87175	Soil	2.54	73.27	6.98	50.0	124	56.9	19.3	1021	2.65	1.8	0.5	2.4	0.2	156.1	0.26	0.15	1.02	57	0.50	0.104
87176	Soil	4.71	114.16	7.75	53.3	171	28.4	20.0	1063	3.08	1.8	0.9	3.7	0.4	272.4	0.21	0.18	0.69	63	0.52	0.090
87177	Soil	1.23	69.98	5.23	55.2	54	68.6	21.6	870	3.01	1.4	0.5	6.9	1.0	223.0	0.19	0.08	0.16	88	0.95	0.070
87178	Soil	2.19	62.20	8.35	64.3	123	18.9	15.3	701	2.92	1.7	0.5	15.8	0.3	178.8	0.15	0.11	0.14	72	0.53	0.078
87179	Soil	2.10	102.47	6.12	80.8	328	44.8	57.3	2001	3.89	1.6	0.5	10.2	1.1	223.3	0.25	0.09	0.11	85	0.53	0.090
87180	Soil	2.85	97.67	31.15	130.4	1062	22.7	52.1	1652	4.14	2.9	0.5	22.2	1.4	144.0	0.52	0.12	0.35	96	0.72	0.093
87181	Soil	3.24	70.16	12.99	62.2	252	25.3	19.4	1400	5.29	6.2	0.6	13.2	1.7	236.8	0.22	0.32	0.20	34	0.62	0.116
87182	Soil	0.80	251.33	9.31	55.2	458	80.9	42.5	1117	3.97	1.8	0.3	10.2	0.6	363.6	0.21	0.24	0.07	111	1.39	0.094
87183	Soil	8.19	75.94	6.50	76.4	193	35.7	25.5	1471	3.95	1.6	0.5	12.6	0.6	151.7	0.30	0.11	0.21	95	0.83	0.078
87184	Soil	2.11	272.96	3.39	47.9	126	29.5	33.5	571	2.76	1.9	0.7	5.8	0.3	180.7	0.10	0.14	0.16	52	0.75	0.076
87185	Soil	41.07	134.47	10.83	79.2	153	20.7	29.0	1073	4.53	8.1	1.8	53.7	1.9	352.4	0.19	0.25	0.75	84	0.64	0.098
87186	Soil	3.20	104.70	7.17	86.9	144	66.3	28.1	1911	5.31	1.8	0.6	5.0	0.2	130.3	0.33	0.14	0.38	93	0.42	0.125
87187	Soil	3.34	92.05	7.41	64.6	157	65.1	22.7	1061	4.01	6.8	1.0	12.7	0.5	406.9	0.21	0.26	0.53	70	0.70	0.100
87188	Soil	5.72	153.53	15.17	74.3	360	29.7	33.7	2064	4.67	3.0	0.8	23.2	0.8	423.4	0.24	0.20	0.38	77	0.45	0.103
87189	Soil	2.10	56.13	4.87	50.4	97	17.2	13.8	756	3.20	2.7	0.4	6.4	0.4	426.4	0.11	0.13	0.23	73	0.69	0.052
87191	Soil	0.92	74.61	11.01	61.6	71	64.5	20.7	820	4.51	4.8	0.3	100.0	0.1	13.2	0.21	0.20	0.25	117	0.08	0.072
87192	Soil	1.22	45.00	7.65	56.0	180	25.1	16.5	2219	4.14	2.9	0.5	7.3	<0.1	23.2	0.15	0.21	0.34	122	0.07	0.197
87194	Soil	1.75	141.32	7.16	70.7	96	82.5	34.3	953	5.87	4.1	0.3	12.7	0.2	16.9	0.19	0.33	0.30	145	0.11	0.077
87195	Soil	12.36	226.69	10.00	83.3	1596	99.9	53.6	1779	7.65	5.4	0.4	760.1	0.5	7.7	0.22	0.27	0.56	117	0.07	0.091
87196	Soil	5.68	368.37	7.62	60.4	348	61.2	51.2	2110	6.89	7.1	0.8	175.9	0.6	13.7	0.26	0.42	0.75	149	0.11	0.094
87197	Soil	3.68	343.22	18.85	71.7	376	75.9	50.7	2429	6.58	4.1	0.4	116.9	0.1	17.6	0.29	0.31	0.52	158	0.11	0.106
87198	Soil	2.21	110.37	11.64	71.0	225	154.7	41.5	1695	7.21	4.4	0.3	52.7	0.2	8.0	0.14	0.18	0.51	240	0.05	0.080
87199	Soil	4.39	736.08	9.15	50.6	472	178.3	114.8	1644	16.08	16.5	0.7	136.8	0.9	134.1	0.12	0.44	2.21	130	0.26	0.207
87200	Soil	0.60	81.50	4.11	77.4	81	240.0	38.9	1677	6.14	1.7	0.2	<0.2	0.1	12.3	0.12	0.09	0.60	187	0.29	0.086
87301	Soil	1.02	53.43	3.03	120.6	54	143.3	35.3	2763	7.48	2.5	0.2	3.5	0.3	13.8	0.18	0.06	0.13	335	0.43	0.116
87302	Soil	1.35	195.26	6.77	81.4	313	73.4	56.8	2269	6.30	10.2	0.3	31.6	0.1	11.5	0.30	0.26	0.44	260	0.13	0.119
87305	Soil	0.35	63.41	11.42	69.3	51	104.0	36.4	954	5.12	4.4	0.1	2.7	0.5	125.1	0.17	0.29	0.04	170	1.09	0.115
87306	Soil	5.35	106.23	21.28	565.2	917	116.1	38.6	2334	7.18	7.1	0.4	33.1	0.9	34.7	5.41	0.26	0.66	281	0.53	0.140
87307	Soil	1.06	7.25	12.36	32.9	83	7.5	9.3	1564	2.68	2.5	0.4	0.8	0.1	6.2	0.33	0.25	0.14	9	0.26	0.157



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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	5	0.1	0.02	0.1	0.1
87174	Soil	4.4	46.5	0.82	108.2	0.079	<20	2.88	0.019	0.11	2.8	2.8	0.13	0.04	25	0.3	0.04	7.5
87175	Soil	6.7	95.6	1.03	242.4	0.023	<20	2.55	0.006	0.09	1.8	2.6	0.11	0.07	51	0.2	0.04	6.2
87176	Soil	10.7	69.3	0.86	322.7	0.048	<20	2.98	0.009	0.15	0.6	2.1	0.17	0.08	81	0.3	0.07	7.7
87177	Soil	7.5	205.1	1.88	276.5	0.124	<20	3.48	0.012	0.27	8.1	5.2	0.15	0.04	20	<0.1	0.02	8.1
87178	Soil	6.6	34.6	0.99	290.6	0.087	<20	2.88	0.018	0.29	0.7	2.2	0.17	0.06	39	<0.1	0.04	7.6
87179	Soil	8.9	52.9	1.64	314.3	0.137	<20	3.29	0.012	0.52	0.6	5.5	0.33	<0.02	21	<0.1	0.04	8.8
87180	Soil	6.5	27.0	1.18	128.1	0.140	<20	4.47	0.031	0.27	6.6	4.3	0.32	0.04	27	0.3	0.07	8.4
87181	Soil	10.4	32.1	0.78	323.9	0.025	<20	2.38	0.064	0.14	0.2	2.9	0.19	0.19	16	<0.1	0.09	5.2
87182	Soil	2.2	146.1	1.97	62.0	0.093	<20	3.25	0.034	0.05	0.4	13.7	0.04	<0.02	19	<0.1	0.07	7.4
87183	Soil	5.7	63.8	1.73	148.0	0.122	<20	3.50	0.010	0.36	1.0	5.6	0.21	0.02	34	<0.1	0.09	8.6
87184	Soil	4.6	58.4	1.18	126.0	0.035	<20	2.89	0.021	0.10	0.5	3.2	0.08	0.03	29	0.2	0.12	4.9
87185	Soil	11.4	21.8	1.12	236.1	0.099	<20	2.82	0.030	0.27	15.0	3.8	0.38	0.07	12	0.4	0.11	7.7
87186	Soil	7.9	116.6	1.89	690.4	0.024	<20	3.62	0.007	0.10	0.8	8.1	0.09	0.05	14	0.1	0.07	7.9
87187	Soil	6.9	99.2	1.23	323.2	0.091	<20	3.84	0.019	0.32	1.4	3.1	0.28	0.04	27	0.5	0.33	7.3
87188	Soil	9.2	44.4	1.21	676.2	0.054	<20	3.28	0.026	0.09	2.7	4.7	0.10	0.07	36	0.6	0.18	6.9
87189	Soil	7.4	30.1	1.02	418.0	0.068	<20	3.90	0.061	0.11	0.2	3.0	0.10	0.03	24	<0.1	0.08	6.4
87191	Soil	5.6	107.7	1.74	68.0	0.034	<20	2.89	0.004	0.06	0.2	5.3	0.08	0.05	42	<0.1	0.09	8.9
87192	Soil	6.6	89.2	0.48	159.7	0.008	<20	1.86	0.006	0.08	0.2	0.7	0.20	0.10	48	0.3	0.15	8.5
87194	Soil	5.8	190.5	2.04	128.5	0.040	<20	3.24	0.006	0.05	0.4	6.0	0.11	0.05	33	0.2	0.26	8.8
87195	Soil	6.8	137.0	1.26	142.3	0.010	<20	2.42	0.004	0.07	0.6	17.7	0.13	0.04	32	0.6	1.99	5.4
87196	Soil	10.5	105.2	1.73	192.1	0.036	<20	3.59	0.006	0.04	1.1	9.1	0.09	0.04	40	0.8	1.12	9.6
87197	Soil	4.9	153.3	1.39	124.3	0.029	<20	2.37	0.005	0.06	0.6	5.9	0.20	0.09	45	0.5	0.81	8.4
87198	Soil	4.1	311.5	3.93	52.3	0.150	<20	4.11	0.005	0.15	0.1	15.1	0.23	0.05	20	0.3	0.64	11.9
87199	Soil	7.9	228.5	2.31	74.8	0.002	<20	4.92	0.008	0.10	<0.1	32.7	0.05	0.19	44	3.4	0.99	8.0
87200	Soil	3.5	558.5	4.42	42.1	0.110	<20	4.02	0.004	0.06	0.2	3.7	0.08	0.05	30	0.1	0.12	9.9
87301	Soil	3.5	286.5	4.00	264.5	0.193	<20	4.63	0.004	0.26	0.1	22.3	0.18	0.06	15	<0.1	0.07	12.5
87302	Soil	3.2	127.9	2.17	133.3	0.092	<20	2.87	0.005	0.11	0.5	6.7	0.16	0.12	35	0.8	0.42	10.3
87305	Soil	3.3	208.0	3.89	97.1	0.258	<20	3.02	0.009	0.10	0.8	11.5	0.10	<0.02	<5	<0.1	0.05	7.0
87306	Soil	6.8	190.4	3.66	98.7	0.099	<20	3.49	0.005	0.08	0.9	29.9	0.12	0.03	55	0.1	0.42	10.8
87307	Soil	10.8	5.4	0.08	104.7	0.001	<20	0.37	0.002	0.11	<0.1	0.4	0.06	0.06	16	<0.1	<0.02	0.8



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Method Analyte	Unit	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
87308	Soil	1.31	9.98	13.50	36.5	185	10.0	6.2	830	2.68	4.1	7.2	0.7	1.8	34.9	0.25	0.60	0.15	7	1.20	0.189
87309	Soil	1.33	10.39	15.22	23.9	42	10.1	12.6	893	2.88	6.7	0.7	0.4	0.5	4.1	0.10	0.65	0.18	8	0.12	0.152
87310	Soil	3.06	19.31	22.97	58.2	26	15.7	6.7	508	3.14	16.7	1.2	<0.2	1.4	5.4	0.19	1.16	0.16	27	0.11	0.105
87311	Soil	4.87	101.46	84.15	92.7	149	25.8	9.1	1261	5.14	50.4	1.8	1.3	0.5	4.0	0.41	4.44	0.17	32	0.05	0.118
87312	Soil	5.21	72.10	67.70	125.2	154	27.0	10.7	2678	4.62	36.9	1.2	0.7	0.5	10.3	0.92	3.84	0.16	31	0.26	0.166
87313	Soil	8.41	302.98	178.98	156.9	857	44.3	12.4	2093	7.00	96.5	1.3	1.0	2.2	8.2	0.83	18.97	0.15	27	0.31	0.090
87314	Soil	8.42	179.65	90.12	77.4	194	31.3	10.0	2488	4.86	41.5	1.1	1.7	1.6	6.9	0.62	5.07	0.19	31	0.23	0.107
87315	Soil	6.05	87.42	36.05	244.1	288	26.3	8.1	5093	7.87	31.4	1.6	1.1	1.2	13.8	2.06	4.03	0.16	42	1.21	0.150
87316	Soil	11.73	215.95	58.41	30.1	213	62.5	10.7	513	3.34	109.5	0.8	0.9	1.1	3.3	0.17	5.36	0.19	69	0.06	0.059
87317	Soil	13.58	445.73	365.67	112.6	621	45.3	8.7	862	7.41	131.9	1.0	0.5	2.5	7.2	0.34	6.29	0.22	78	0.22	0.092
87318	Soil	8.53	23.02	18.11	26.8	387	10.6	1.8	31	0.97	17.8	0.3	0.7	0.6	2.0	0.05	1.17	0.12	52	0.01	0.040
87319	Soil	18.15	39.58	48.87	78.5	252	58.8	4.3	127	2.32	36.2	1.1	0.5	0.7	4.3	0.12	3.37	0.17	81	0.08	0.096
87320	Soil	11.43	10.08	921.09	91.4	3611	14.1	1.8	72	2.28	24.3	0.4	2.1	0.6	1.6	0.11	4.56	0.40	58	0.02	0.050
87321	Soil	3.64	9.29	34.56	82.1	85	15.0	3.8	215	2.67	8.3	0.3	<0.2	0.3	2.3	0.63	0.55	0.29	86	0.06	0.054
87322	Soil	1.41	3.06	6.75	24.2	115	4.3	0.7	12	0.44	2.3	0.3	0.5	1.5	4.5	0.12	0.22	0.08	32	0.10	0.023
87323	Soil	4.41	9.81	16.90	62.1	131	20.0	3.2	52	1.60	6.7	0.4	1.5	2.4	8.1	0.20	0.59	0.27	66	0.19	0.022
87324	Soil	15.66	14.59	58.39	289.8	1862	30.3	3.0	127	2.21	13.2	1.7	<0.2	0.3	3.8	0.44	2.02	0.16	206	0.03	0.076
87325	Soil	7.49	10.12	33.57	229.1	181	20.4	3.3	107	1.90	10.5	0.6	<0.2	0.3	2.7	0.51	0.93	0.21	81	0.04	0.071
87326	Soil	1.89	4.12	5.99	49.0	69	5.9	0.9	15	0.44	2.6	0.2	<0.2	0.2	1.6	0.28	0.21	0.17	42	0.03	0.049
87327	Soil	0.14	1.02	1.40	5.2	262	0.6	<0.1	2	0.06	<0.1	0.1	0.3	0.7	1.1	0.07	<0.02	0.05	11	<0.01	0.018
87351	Soil	0.39	263.82	10.14	66.2	137	16.7	16.8	3169	4.34	3.5	0.5	11.5	0.6	14.3	0.19	0.13	0.08	70	0.15	0.160
87352	Soil	0.75	62.54	3.98	59.6	200	52.4	17.7	419	4.13	3.4	0.3	25.7	<0.1	21.5	0.20	0.21	0.31	109	0.21	0.121
87353	Soil	0.94	110.48	5.87	51.1	272	59.1	18.1	1276	3.75	3.7	0.6	6.8	<0.1	19.7	0.42	0.25	0.26	107	0.12	0.154
87354	Soil	1.45	59.17	8.75	55.9	262	75.0	30.5	2270	4.11	3.3	0.4	3.2	<0.1	35.9	0.19	0.23	0.33	118	0.16	0.147
87355	Soil	2.73	112.03	7.20	68.9	141	90.4	25.4	786	5.10	3.0	0.3	5.7	0.2	27.4	0.14	0.18	0.38	139	0.20	0.124
87356	Soil	1.75	112.46	6.87	281.9	234	86.5	22.2	467	4.41	8.7	0.4	18.1	0.3	59.7	1.21	0.23	0.33	111	0.21	0.115
87357	Soil	8.37	187.86	11.16	72.8	194	87.0	30.8	829	5.60	4.2	0.4	45.2	0.7	51.7	0.22	0.25	0.50	139	0.18	0.108
87358	Soil	3.12	73.37	6.49	66.4	146	132.9	29.8	514	6.03	2.8	0.2	18.2	0.5	25.5	0.19	0.21	0.27	156	0.33	0.145
87359	Soil	3.09	287.97	7.51	75.7	361	133.2	55.5	3103	6.53	8.3	0.2	38.9	0.3	32.1	0.66	0.36	0.36	142	0.87	0.202
87360	Soil	1.62	54.27	14.88	166.5	95	157.5	65.7	3189	10.28	2.4	0.2	1.3	0.2	23.9	0.86	0.23	0.14	166	0.61	0.303

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	
MDL		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.02	0.02	5	0.1	0.02	0.1
87308	Soil	9.9	8.6	0.27	194.2	0.003	<20	0.45	0.002	0.08	<0.1	2.8	0.06	0.14	36	0.2	<0.02	0.8	
87309	Soil	12.6	4.5	0.05	68.1	0.001	<20	0.23	0.001	0.08	<0.1	1.1	0.06	0.03	<5	<0.1	<0.02	0.5	
87310	Soil	18.1	12.9	0.23	163.3	0.003	<20	1.03	0.002	0.06	<0.1	2.2	0.17	0.02	16	0.1	<0.02	2.9	
87311	Soil	15.7	12.8	0.14	531.4	0.003	<20	0.83	0.001	0.07	<0.1	1.0	0.51	0.04	64	0.1	<0.02	2.2	
87312	Soil	12.5	11.4	0.14	1057.6	0.003	<20	0.65	0.002	0.10	<0.1	1.2	0.36	0.04	52	0.2	0.03	1.9	
87313	Soil	15.3	8.7	0.12	745.4	0.002	<20	0.44	0.001	0.07	<0.1	3.8	1.16	0.05	386	0.5	0.02	0.8	
87314	Soil	14.6	8.5	0.11	489.8	0.002	<20	0.55	0.002	0.08	<0.1	3.0	0.40	0.03	55	0.4	0.03	1.0	
87315	Soil	11.8	11.6	0.41	490.0	0.005	<20	0.74	0.004	0.06	<0.1	2.8	0.36	0.08	96	0.2	0.03	1.3	
87316	Soil	15.5	6.4	0.04	204.1	0.004	<20	0.27	<0.001	0.03	<0.1	1.8	0.38	<0.02	36	0.5	0.04	1.0	
87317	Soil	18.5	14.9	0.13	518.2	0.006	<20	1.01	0.001	0.07	<0.1	2.2	1.20	0.03	135	0.7	0.04	3.0	
87318	Soil	24.0	6.9	0.06	67.1	0.003	<20	0.58	<0.001	0.04	<0.1	0.5	1.12	<0.02	37	<0.1	0.03	3.2	
87319	Soil	21.9	9.4	0.07	54.2	0.003	<20	0.48	<0.001	0.04	<0.1	1.0	0.84	<0.02	42	1.0	0.05	2.0	
87320	Soil	16.0	11.5	0.06	70.5	0.002	<20	0.36	<0.001	0.05	<0.1	0.5	6.74	0.08	3712	1.7	0.05	1.1	
87321	Soil	16.9	14.3	0.11	77.8	0.004	<20	0.76	0.001	0.04	<0.1	0.6	0.46	<0.02	20	0.2	<0.02	2.9	
87322	Soil	25.9	6.7	0.08	60.4	0.003	<20	0.72	<0.001	0.03	<0.1	0.6	0.28	<0.02	9	<0.1	<0.02	3.9	
87323	Soil	24.2	12.1	0.15	186.1	0.003	<20	0.92	0.001	0.06	<0.1	1.2	0.34	<0.02	27	0.1	0.04	2.9	
87324	Soil	21.0	18.4	0.19	64.8	0.005	<20	1.05	0.001	0.09	0.1	0.6	1.26	<0.02	55	0.4	0.06	4.7	
87325	Soil	25.9	10.6	0.13	105.6	0.005	<20	0.85	<0.001	0.08	<0.1	0.6	0.49	<0.02	5	0.4	0.04	4.1	
87326	Soil	15.8	10.2	0.13	33.2	0.003	<20	0.77	0.002	0.07	<0.1	0.3	0.24	<0.02	18	<0.1	<0.02	4.1	
87327	Soil	19.9	4.1	0.04	18.6	0.004	<20	0.41	<0.001	0.04	<0.1	0.2	0.20	<0.02	<5	<0.1	<0.02	2.8	
87351	Soil	8.8	20.5	1.57	156.7	0.006	<20	3.59	0.005	0.11	0.2	6.3	0.08	0.02	22	<0.1	0.05	7.0	
87352	Soil	5.5	108.9	1.45	96.5	0.021	<20	2.45	0.008	0.07	0.1	2.4	0.10	0.05	29	<0.1	0.13	9.7	
87353	Soil	5.4	137.4	1.35	77.5	0.026	<20	3.44	0.010	0.06	0.2	1.7	0.12	0.13	53	0.6	0.09	7.5	
87354	Soil	3.8	188.1	1.38	149.3	0.041	<20	1.98	0.008	0.07	0.2	3.4	0.16	0.05	31	0.2	0.14	7.8	
87355	Soil	4.9	189.6	1.56	240.6	0.050	<20	2.49	0.009	0.07	4.0	6.1	0.13	0.03	34	0.1	0.25	9.9	
87356	Soil	7.9	162.6	1.85	78.6	0.039	<20	2.74	0.008	0.05	0.2	3.7	0.10	0.03	26	0.2	0.17	8.2	
87357	Soil	5.8	159.5	1.80	99.7	0.056	<20	3.23	0.008	0.08	0.8	6.6	0.11	0.02	24	0.4	0.47	10.0	
87358	Soil	4.1	194.6	1.97	120.8	0.033	<20	2.66	0.007	0.10	3.1	9.3	0.12	0.03	34	0.2	0.31	9.3	
87359	Soil	4.3	175.2	2.08	212.9	0.012	<20	2.74	0.007	0.16	0.4	22.0	0.11	0.10	22	0.1	0.20	6.1	
87360	Soil	2.8	239.0	2.44	279.2	0.008	<20	2.70	0.003	0.17	0.4	19.1	0.10	0.06	10	<0.1	0.11	7.3	



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Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
87361	Soil	1.59	88.07	7.26	84.9	111	96.9	25.1	978	5.74	4.7	0.3	9.1	<0.1	19.3	0.17	0.22	0.30	160	0.22	0.176
87362	Soil	1.48	91.96	9.45	65.6	170	94.9	34.0	1217	5.33	4.6	0.3	8.6	<0.1	25.1	0.50	0.25	0.25	129	0.30	0.169
87363	Soil	1.12	39.41	8.85	55.2	153	69.0	18.8	985	3.08	1.9	0.4	14.5	<0.1	40.2	0.38	0.18	0.40	81	0.22	0.121
87364	Soil	1.00	50.38	5.68	67.3	165	155.2	25.2	622	5.38	2.0	0.2	8.2	0.1	14.9	0.15	0.14	0.24	185	0.17	0.093
87365	Soil	1.78	141.77	12.38	70.8	154	95.0	35.4	976	5.69	3.4	0.3	3.2	<0.1	26.2	0.14	0.15	0.46	200	0.20	0.096
87366	Soil	4.66	596.92	26.02	182.4	650	155.4	91.8	3123	6.57	8.4	0.3	46.8	0.8	23.8	1.76	0.24	0.52	242	1.17	0.122
87367	Soil	4.70	242.57	11.36	59.1	194	125.6	52.3	692	5.63	6.9	0.3	54.6	0.2	17.3	0.18	0.20	0.85	203	0.21	0.068
87368	Soil	1.71	423.49	11.58	112.0	310	133.8	86.7	2065	6.35	9.4	0.2	3.5	0.1	19.1	0.50	0.28	0.31	306	0.23	0.077
87369	Soil	1.05	39.49	10.03	70.5	89	87.3	30.8	1519	5.35	1.7	0.2	1.0	0.2	32.8	0.46	0.12	0.20	181	0.44	0.158
87370	Soil	7.05	34.74	82.56	346.0	900	43.7	7.6	424	2.50	21.0	1.2	0.7	2.2	47.8	1.95	3.65	0.17	38	3.39	0.131
87371	Soil	6.98	34.38	53.78	334.1	755	48.2	7.5	328	2.51	21.7	1.4	1.9	3.3	39.7	2.97	3.88	0.15	41	3.05	0.116
87372	Soil	4.96	17.24	30.23	202.0	128	34.4	5.5	263	1.69	11.6	0.8	0.8	2.9	12.8	1.89	2.89	0.13	35	0.40	0.113
87373	Soil	4.60	8.34	29.76	218.0	170	25.3	5.1	301	1.53	10.6	0.8	1.6	1.8	2.2	2.59	2.40	0.15	43	0.04	0.031
87374	Soil	12.11	21.87	52.14	264.0	429	42.7	4.4	171	2.18	18.9	1.9	1.2	1.3	10.5	2.39	3.22	0.23	300	0.26	0.224
87375	Soil	5.01	4.64	19.03	65.0	304	6.7	0.7	29	0.52	7.0	0.5	0.8	0.2	1.9	0.89	0.81	0.12	63	0.03	0.056
87376	Soil	6.99	11.49	52.23	406.5	187	25.3	3.0	50	1.99	12.8	1.1	0.6	0.6	9.3	0.74	3.64	0.26	97	0.19	0.160
87377	Soil	0.80	2.87	2.96	11.4	178	3.0	0.6	10	0.26	0.8	0.2	<0.2	1.4	1.2	0.09	0.16	0.06	17	0.01	0.018
87378	Soil	0.20	1.21	1.42	4.9	76	0.9	0.2	4	0.07	0.2	0.2	<0.2	0.9	1.3	0.03	0.04	0.03	10	0.02	0.011
87379	Soil	1.88	3.01	4.35	36.1	142	4.8	1.5	11	0.43	1.1	0.2	<0.2	1.1	1.1	0.05	0.46	0.06	30	<0.01	0.017
87380	Soil	2.20	3.22	3.18	24.4	30	4.6	0.8	15	0.34	2.4	0.2	0.7	1.0	2.1	0.18	0.36	0.06	24	0.03	0.017
87381	Soil	3.71	6.60	6.93	62.1	163	11.4	3.0	23	0.91	2.7	0.4	0.2	1.0	3.5	0.28	0.74	0.11	49	0.09	0.035
87382	Soil	4.52	17.96	18.70	207.6	570	30.9	5.2	92	2.72	7.9	0.7	0.7	3.0	2.3	0.52	2.34	0.22	77	0.02	0.104
87383	Soil	0.60	1.62	1.36	12.8	211	2.1	0.4	7	0.16	0.2	0.2	<0.2	1.6	0.9	0.13	0.18	0.02	18	0.02	0.011
87384	Soil	3.21	11.81	24.52	91.0	168	18.2	3.0	53	1.68	8.3	0.4	0.5	1.8	1.5	0.27	1.48	0.17	36	0.02	0.064
87385	Soil	1.85	5.26	7.33	40.2	167	7.3	1.1	11	0.48	2.9	0.2	0.2	0.4	1.6	0.50	0.64	0.06	21	0.04	0.042
87386	Soil	5.98	25.41	59.52	605.4	724	45.7	4.5	374	1.67	19.6	1.3	0.9	1.5	58.2	4.46	5.79	0.13	51	4.87	0.206
87387	Soil	1.00	2.56	2.95	27.3	88	3.3	0.6	7	0.27	2.0	0.2	0.2	1.4	2.3	0.33	0.26	0.03	23	0.08	0.012
87388	Soil	6.69	17.93	19.12	230.5	488	33.4	2.5	56	0.93	7.7	0.8	2.5	1.1	8.4	4.25	3.46	0.11	112	0.34	0.052
87389	Soil	13.63	36.72	20.88	607.7	2177	90.9	5.7	190	1.62	21.2	1.6	2.2	1.4	64.4	7.53	8.13	0.14	87	5.13	0.126
87390	Soil	7.04	28.45	255.22	231.3	1478	36.1	5.7	675	2.34	23.6	1.2	1.0	2.0	75.1	3.67	5.24	0.10	53	5.84	0.118



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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
87361	Soil	5.3	216.4	2.00	107.5	0.020	<20	3.03	0.007	0.08	0.3	3.5	0.10	0.05	17	0.3	0.27	10.0
87362	Soil	3.9	188.5	1.62	179.3	0.007	<20	2.52	0.007	0.08	0.2	1.5	0.08	0.09	28	0.3	0.25	7.9
87363	Soil	4.4	205.8	1.14	139.8	0.034	<20	1.53	0.009	0.10	0.1	1.2	0.10	0.07	35	<0.1	0.09	6.8
87364	Soil	2.9	347.6	3.32	55.5	0.154	<20	3.47	0.009	0.13	0.3	6.2	0.11	0.03	23	<0.1	0.17	11.2
87365	Soil	3.2	214.7	2.44	97.9	0.088	<20	2.96	0.010	0.11	0.4	6.5	0.11	0.05	16	0.2	0.25	10.4
87366	Soil	4.5	266.1	3.63	186.9	0.118	<20	3.65	0.008	0.07	1.1	24.4	0.14	<0.02	19	0.7	0.34	13.6
87367	Soil	3.2	138.7	2.39	54.6	0.094	<20	2.84	0.009	0.06	0.4	7.9	0.08	0.04	14	0.7	1.01	10.9
87368	Soil	2.5	186.9	2.99	62.5	0.145	<20	3.77	0.005	0.09	0.4	11.0	0.10	0.09	22	1.0	0.24	12.0
87369	Soil	2.4	252.8	2.02	120.1	0.127	<20	2.32	0.008	0.11	0.3	7.2	0.08	0.03	5	<0.1	0.06	8.7
87370	Soil	15.7	9.6	1.64	507.2	0.003	<20	0.34	0.004	0.11	<0.1	3.1	0.78	0.06	581	1.3	0.02	0.6
87371	Soil	19.4	13.5	1.74	215.5	0.003	<20	0.53	0.004	0.08	<0.1	3.4	0.49	0.02	339	1.4	0.04	1.0
87372	Soil	22.0	9.0	0.24	129.9	0.003	<20	0.60	0.002	0.09	<0.1	2.6	0.21	<0.02	53	0.7	0.04	1.4
87373	Soil	19.5	12.6	0.09	139.9	0.002	<20	0.61	<0.001	0.05	<0.1	1.2	0.24	<0.02	30	0.4	0.04	1.5
87374	Soil	17.7	21.4	0.19	244.4	0.004	<20	0.80	0.002	0.12	0.2	1.3	0.45	<0.02	50	1.7	0.07	2.6
87375	Soil	15.5	8.0	0.07	86.7	0.003	<20	0.50	0.001	0.06	<0.1	0.3	0.36	<0.02	22	0.3	0.04	2.4
87376	Soil	19.3	12.9	0.12	53.3	0.005	<20	0.66	0.001	0.08	0.1	0.8	0.31	<0.02	158	1.2	0.05	3.7
87377	Soil	23.3	4.8	0.05	21.0	0.004	<20	0.39	0.001	0.05	<0.1	0.4	0.14	<0.02	6	0.1	<0.02	2.7
87378	Soil	25.6	3.3	0.04	20.7	0.004	<20	0.43	0.001	0.04	<0.1	0.3	0.17	<0.02	<5	<0.1	<0.02	4.2
87379	Soil	18.7	4.6	0.06	42.0	0.004	<20	0.53	0.001	0.06	<0.1	0.3	0.15	<0.02	<5	<0.1	<0.02	3.2
87380	Soil	23.8	4.8	0.05	43.6	0.004	<20	0.37	<0.001	0.05	<0.1	0.4	0.15	<0.02	<5	0.2	<0.02	2.9
87381	Soil	20.5	12.1	0.17	122.8	0.005	<20	1.06	0.003	0.09	<0.1	0.8	0.21	<0.02	12	0.2	<0.02	4.6
87382	Soil	19.7	13.4	0.19	119.6	0.005	<20	0.85	0.002	0.13	<0.1	1.3	0.22	<0.02	52	2.1	0.05	3.3
87383	Soil	23.3	3.9	0.05	25.0	0.004	<20	0.41	0.001	0.04	<0.1	0.4	0.15	<0.02	<5	0.1	<0.02	3.4
87384	Soil	18.8	6.8	0.08	50.3	0.003	<20	0.49	<0.001	0.06	<0.1	0.9	0.16	<0.02	32	0.4	0.03	1.6
87385	Soil	16.0	5.4	0.06	46.3	0.003	<20	0.39	0.001	0.05	<0.1	0.4	0.16	<0.02	6	0.3	<0.02	2.1
87386	Soil	14.0	11.2	2.56	87.1	0.003	<20	0.35	0.005	0.09	0.1	2.7	0.36	0.04	367	1.7	0.03	0.6
87387	Soil	19.7	4.5	0.05	52.8	0.004	<20	0.42	0.002	0.03	<0.1	0.4	0.14	<0.02	32	0.2	<0.02	3.1
87388	Soil	15.1	17.1	0.12	211.0	0.004	<20	0.63	0.001	0.06	0.1	1.7	0.27	<0.02	56	1.9	0.06	2.4
87389	Soil	13.4	18.1	2.83	61.3	0.002	<20	0.40	0.004	0.10	0.2	3.0	0.45	<0.02	393	3.8	0.08	0.8
87390	Soil	10.5	11.4	2.39	195.7	0.002	<20	0.21	0.006	0.10	<0.1	2.4	2.31	0.06	1911	1.6	<0.02	0.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P			
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
87391	Soil	3.31	10.22	17.72	119.1	232	15.4	2.3	81	1.45	6.4	0.8	<0.2	0.3	3.7	0.77	2.61	0.14	52	0.08	0.148			
87392	Soil	3.59	12.64	17.20	171.2	113	22.9	3.9	69	1.50	6.4	0.7	1.4	2.8	3.4	0.73	2.77	0.13	42	0.08	0.088			
87393	Soil	1.63	3.78	4.09	38.1	562	5.1	0.9	18	0.42	2.3	0.3	<0.2	0.9	1.8	0.20	0.65	0.07	32	0.04	0.024			
87394	Soil	0.33	1.18	1.23	7.0	139	1.2	0.2	8	0.07	0.2	0.1	<0.2	0.8	1.1	0.15	0.05	<0.02	11	0.02	0.016			
87395	Soil	0.28	0.96	1.20	6.7	63	1.0	0.2	5	0.08	0.3	0.2	<0.2	0.7	1.2	0.07	0.06	0.02	14	<0.01	0.018			
87396	Soil	4.45	10.95	10.32	80.8	87	18.0	2.8	58	1.39	6.6	0.4	<0.2	2.9	3.6	0.38	0.98	0.14	33	0.04	0.060			
87397	Soil	0.89	6.33	10.86	11.2	80	5.0	4.8	174	1.54	3.2	0.5	<0.2	0.3	2.7	0.09	0.21	0.16	13	0.07	0.105			
87398	Soil	1.24	8.24	8.76	25.2	53	6.0	6.3	662	1.99	2.6	0.4	<0.2	0.2	2.4	0.14	0.26	0.23	12	0.05	0.087			
87399	Soil	0.90	7.27	11.22	31.2	46	8.1	5.8	532	1.95	2.6	0.6	0.8	0.9	6.6	0.11	0.20	0.21	11	0.25	0.099			
87400	Soil	1.06	13.21	11.36	22.8	39	12.2	13.9	844	2.68	4.3	0.4	0.7	0.5	6.7	0.11	0.39	0.19	7	0.28	0.146			
87458	Soil	2.84	335.85	15.32	85.0	729	144.9	119.6	4352	8.34	19.2	0.2	203.2	0.5	21.2	0.73	0.59	0.40	196	0.66	0.111			
87459	Soil	1.67	287.22	11.24	72.1	216	141.6	68.1	1485	7.28	9.2	0.2	115.7	0.3	28.4	0.24	0.30	0.30	202	0.59	0.117			
87460	Soil	1.94	69.96	5.98	84.8	272	63.9	27.5	619	6.84	7.4	0.4	15.5	0.5	18.7	0.19	0.33	0.40	172	0.11	0.122			
87461	Soil	2.87	234.55	20.18	75.1	174	102.4	37.8	1575	6.29	7.1	0.6	82.7	0.4	33.0	0.32	0.21	0.48	176	0.73	0.099			
87462	Soil	1.42	51.74	5.73	50.1	97	69.0	30.0	524	4.87	5.3	0.2	50.0	<0.1	20.4	0.06	0.19	0.31	187	0.16	0.061			
87463	Soil	3.74	114.82	10.29	46.1	703	55.6	24.7	779	9.27	8.1	0.5	37.4	0.3	25.9	0.07	0.51	0.84	211	0.08	0.177			
87465	Soil	1.28	96.69	7.84	63.3	232	69.6	32.4	713	6.10	4.9	0.3	63.8	0.1	24.9	0.16	0.22	0.37	203	0.16	0.091			
87466	Soil	1.44	37.11	6.51	74.3	75	61.4	23.8	1266	4.98	3.4	0.3	4.5	0.2	31.8	0.17	0.17	0.34	155	0.72	0.068			
87467	Soil	1.28	30.20	7.75	62.3	100	42.7	17.5	716	5.04	2.4	0.2	5.1	<0.1	31.5	0.25	0.32	0.32	225	0.26	0.071			
87468	Soil	0.97	26.09	8.86	39.3	136	32.9	12.0	306	2.58	1.7	0.3	2.7	0.1	33.5	0.10	0.18	0.32	114	0.21	0.072			



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Client: **Commander Resources Ltd.**
1100 - 1111 Melville Street
Vancouver British Columbia V6E 3V6 Canada

Project: REC
Report Date: November 17, 2017

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CERTIFICATE OF ANALYSIS

VAN17001982.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
87391	Soil	14.9	8.2	0.09	95.3	0.004	<20	0.57	0.002	0.09	<0.1	0.3	0.17	<0.02	24	0.8	0.03	1.8
87392	Soil	17.6	7.4	0.08	86.0	0.003	<20	0.44	0.002	0.11	<0.1	1.4	0.17	<0.02	25	1.0	0.04	1.4
87393	Soil	19.7	5.9	0.06	37.8	0.004	<20	0.43	0.002	0.07	<0.1	0.4	0.14	<0.02	26	0.3	<0.02	3.0
87394	Soil	21.8	3.8	0.03	19.1	0.003	<20	0.28	0.002	0.05	<0.1	0.2	0.10	<0.02	12	<0.1	<0.02	2.6
87395	Soil	20.9	3.5	0.03	16.7	0.003	<20	0.34	0.001	0.05	<0.1	0.3	0.15	<0.02	<5	<0.1	<0.02	3.0
87396	Soil	25.3	8.4	0.21	48.8	0.002	<20	0.61	0.002	0.09	<0.1	0.9	0.21	<0.02	20	0.5	0.03	2.6
87397	Soil	15.8	7.6	0.09	239.1	0.001	<20	1.02	0.002	0.07	<0.1	0.5	0.19	0.04	29	0.2	0.02	2.5
87398	Soil	15.2	6.3	0.06	128.6	0.002	<20	0.52	0.002	0.10	<0.1	0.7	0.10	0.03	24	0.1	<0.02	1.3
87399	Soil	17.9	7.0	0.13	1085.7	0.002	<20	0.59	0.002	0.09	<0.1	1.9	0.11	0.03	24	<0.1	<0.02	1.2
87400	Soil	13.3	5.2	0.08	135.6	0.002	<20	0.38	0.002	0.09	<0.1	1.3	0.09	0.04	14	0.2	<0.02	0.9
87458	Soil	5.1	250.7	3.56	261.2	0.052	<20	3.56	0.007	0.10	1.4	24.3	0.19	0.04	34	0.5	0.49	10.5
87459	Soil	3.2	317.2	4.13	62.4	0.044	<20	3.94	0.008	0.06	0.5	19.9	0.09	0.05	32	0.5	0.46	11.6
87460	Soil	6.1	167.5	1.79	49.4	0.093	<20	3.24	0.009	0.07	0.4	6.9	0.09	0.04	41	0.7	0.28	12.7
87461	Soil	5.1	159.7	2.34	195.4	0.064	<20	3.20	0.009	0.07	0.8	13.4	0.12	0.06	36	0.7	0.48	11.4
87462	Soil	2.6	188.0	2.31	49.0	0.103	<20	2.70	0.009	0.06	0.2	7.3	0.09	0.04	23	0.5	0.20	10.7
87463	Soil	3.5	164.9	1.18	38.5	0.112	<20	2.04	0.007	0.05	0.3	7.5	0.23	0.18	57	3.9	0.50	11.7
87465	Soil	3.5	158.3	1.96	94.6	0.080	<20	2.76	0.007	0.05	0.4	6.7	0.11	0.06	22	0.9	0.26	10.7
87466	Soil	2.6	157.2	1.92	81.9	0.112	<20	2.45	0.007	0.08	0.3	5.7	0.10	0.06	25	0.4	0.15	8.3
87467	Soil	2.2	151.1	1.38	75.4	0.152	<20	2.03	0.005	0.07	0.4	5.5	0.12	0.06	25	0.3	0.14	10.0
87468	Soil	3.0	81.0	1.08	59.5	0.139	<20	1.60	0.007	0.05	0.3	3.1	0.10	0.07	49	0.1	0.11	7.3



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Project: REC
Report Date: November 17, 2017

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QUALITY CONTROL REPORT

VAN17001982.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
87176	Soil	4.71	114.16	7.75	53.3	171	28.4	20.0	1063	3.08	1.8	0.9	3.7	0.4	272.4	0.21	0.18	0.69	63	0.52	0.090
REP 87176	QC	4.70	117.22	7.72	52.4	178	28.6	21.1	1017	3.08	1.6	1.0	37.2	0.5	268.2	0.23	0.17	0.69	62	0.52	0.089
87316	Soil	11.73	215.95	58.41	30.1	213	62.5	10.7	513	3.34	109.5	0.8	0.9	1.1	3.3	0.17	5.36	0.19	69	0.06	0.059
REP 87316	QC	11.90	219.30	61.68	31.5	219	62.5	10.4	532	3.56	115.2	0.8	1.0	1.1	3.6	0.19	5.28	0.18	74	0.06	0.063
87375	Soil	5.01	4.64	19.03	65.0	304	6.7	0.7	29	0.52	7.0	0.5	0.8	0.2	1.9	0.89	0.81	0.12	63	0.03	0.056
REP 87375	QC	4.99	4.81	19.01	64.7	305	7.0	0.7	29	0.53	7.0	0.5	0.8	0.2	1.8	0.87	0.82	0.11	65	0.03	0.055
87388	Soil	6.69	17.93	19.12	230.5	488	33.4	2.5	56	0.93	7.7	0.8	2.5	1.1	8.4	4.25	3.46	0.11	112	0.34	0.052
REP 87388	QC	6.50	17.48	18.51	238.6	465	32.3	2.5	58	0.93	7.5	0.8	1.6	1.2	8.4	4.38	3.53	0.10	114	0.34	0.050
87467	Soil	1.28	30.20	7.75	62.3	100	42.7	17.5	716	5.04	2.4	0.2	5.1	<0.1	31.5	0.25	0.32	0.32	225	0.26	0.071
REP 87467	QC	1.37	31.04	8.14	60.5	109	42.5	18.3	722	5.08	2.2	0.2	3.6	<0.1	31.9	0.23	0.32	0.33	225	0.26	0.074
Reference Materials																					
STD DS11	Standard	14.63	155.76	147.17	354.6	1600	80.9	13.9	1074	3.20	44.8	2.6	62.6	7.7	71.7	2.47	7.21	12.62	49	1.09	0.071
STD DS11	Standard	13.74	148.21	142.55	352.5	1775	77.9	13.4	1020	3.07	43.1	2.9	77.9	8.1	70.9	2.45	7.97	12.53	48	1.04	0.070
STD DS11	Standard	13.50	147.83	132.09	326.2	1784	75.6	13.0	988	3.00	41.5	2.5	126.8	7.5	66.9	2.27	7.26	12.00	46	1.01	0.067
STD DS11	Standard	14.43	150.33	139.98	343.6	1704	78.1	13.2	1013	3.16	42.1	2.6	58.0	7.8	68.2	2.39	8.44	11.69	48	1.05	0.071
STD OREAS45EA	Standard	1.66	711.05	15.53	31.6	251	395.6	53.3	417	22.34	11.2	2.1	57.0	11.6	4.0	0.02	0.24	0.32	313	0.04	0.030
STD OREAS45EA	Standard	1.72	715.83	15.62	34.8	264	400.8	55.5	431	22.98	12.1	2.1	59.8	11.6	4.3	0.02	0.38	0.45	319	0.04	0.032
STD OREAS45EA	Standard	1.56	683.05	15.16	31.4	234	377.9	52.2	417	21.51	11.1	2.0	60.5	11.4	4.0	0.02	0.26	0.35	300	0.04	0.028
STD OREAS45EA	Standard	1.56	717.24	15.88	34.3	265	395.0	58.4	449	23.84	11.7	2.1	58.0	12.1	4.2	0.03	0.27	0.32	313	0.04	0.032
STD OREAS45EA	Standard	1.73	711.23	16.06	33.2	296	404.6	55.9	431	25.08	13.2	2.0	62.6	11.6	4.3	<0.01	0.44	0.31	312	0.03	0.031
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26	303	0.036	0.029
STD DS11 Expected		13.9	156	138	345	1710	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.05	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	3	<0.01	0.3	<0.1	<0.2	<0.1	0.6	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: REC
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QUALITY CONTROL REPORT

VAN17001982.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
87176	Soil	10.7	69.3	0.86	322.7	0.048	<20	2.98	0.009	0.15	0.6	2.1	0.17	0.08	81	0.3	0.07	7.7
REP 87176	QC	10.7	71.3	0.88	312.3	0.048	<20	2.89	0.010	0.15	1.2	2.1	0.16	0.08	78	0.2	0.07	7.6
87316	Soil	15.5	6.4	0.04	204.1	0.004	<20	0.27	<0.001	0.03	<0.1	1.8	0.38	<0.02	36	0.5	0.04	1.0
REP 87316	QC	16.2	7.2	0.04	221.3	0.004	<20	0.30	<0.001	0.04	<0.1	2.0	0.41	<0.02	58	0.5	0.03	1.2
87375	Soil	15.5	8.0	0.07	86.7	0.003	<20	0.50	0.001	0.06	<0.1	0.3	0.36	<0.02	22	0.3	0.04	2.4
REP 87375	QC	16.8	8.0	0.07	88.8	0.003	<20	0.51	0.001	0.06	<0.1	0.4	0.37	<0.02	20	0.4	0.03	2.4
87388	Soil	15.1	17.1	0.12	211.0	0.004	<20	0.63	0.001	0.06	0.1	1.7	0.27	<0.02	56	1.9	0.06	2.4
REP 87388	QC	15.4	17.2	0.13	211.9	0.004	<20	0.64	0.002	0.07	<0.1	1.5	0.26	<0.02	62	1.5	0.04	2.5
87467	Soil	2.2	151.1	1.38	75.4	0.152	<20	2.03	0.005	0.07	0.4	5.5	0.12	0.06	25	0.3	0.14	10.0
REP 87467	QC	2.3	151.5	1.40	78.9	0.158	<20	2.08	0.006	0.07	0.4	5.6	0.13	0.06	27	0.2	0.13	10.1
Reference Materials																		
STD DS11	Standard	19.1	60.1	0.86	429.1	0.095	<20	1.19	0.075	0.42	3.2	3.4	5.22	0.29	259	2.1	4.77	5.0
STD DS11	Standard	18.4	58.2	0.84	457.3	0.090	<20	1.11	0.071	0.41	2.6	3.2	5.20	0.28	258	2.1	4.86	4.7
STD DS11	Standard	18.6	55.5	0.81	425.0	0.089	<20	1.09	0.068	0.39	3.0	3.1	4.89	0.27	222	1.9	4.38	4.7
STD DS11	Standard	18.0	60.2	0.83	420.2	0.097	<20	1.15	0.078	0.41	2.8	3.1	4.79	0.28	266	2.4	4.62	4.7
STD OREAS45EA	Standard	7.4	859.5	0.11	145.9	0.103	<20	3.40	0.016	0.06	<0.1	83.6	0.07	0.04	11	1.0	0.10	12.3
STD OREAS45EA	Standard	7.6	877.2	0.11	158.9	0.105	<20	3.39	0.016	0.06	<0.1	84.8	0.06	0.04	10	1.3	0.08	13.5
STD OREAS45EA	Standard	7.6	842.7	0.10	149.2	0.100	<20	3.31	0.015	0.06	<0.1	78.8	0.08	0.04	<5	0.8	0.08	12.6
STD OREAS45EA	Standard	7.9	888.1	0.11	156.7	0.104	<20	3.46	0.016	0.06	<0.1	88.0	0.09	0.04	12	1.3	0.12	11.3
STD OREAS45EA	Standard	8.0	925.6	0.10	157.6	0.108	<20	3.43	0.020	0.06	<0.1	88.3	0.05	0.04	19	1.5	0.13	13.1
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	300	1.9	4.56	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1



BUREAU VERITAS MINERAL LABORATORIES
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Client: Commander Resources Ltd.
1100 - 1111 Melville Street
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Submitted By: Stephen Wetherup
Receiving Lab: Canada-Vancouver
Received: September 05, 2017
Report Date: November 17, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN17001983.1

CLIENT JOB INFORMATION

Project: REC
Shipment ID:
P.O. Number
Number of Samples: 13

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Commander Resources Ltd.
1100 - 1111 Melville Street
Vancouver British Columbia V6E 3V6
Canada

CC: Rob Cameron

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	12	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA330	12	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
EN002	12	Environmental disposal charge-Fire assay lead waste			VAN
AQ200	12	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
DRPLP	12	Warehouse handling / disposition of pulps			VAN
DRRJT	12	Warehouse handling / Disposition of reject			VAN
FA530	1	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



BUREAU VERITAS MINERAL LABORATORIES
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CERTIFICATE OF ANALYSIS

VAN17001983.1

Method	WGHT	FA330	FA330	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
87302	Rock	1.32	18	9	11	0.9	1686.8	6.1	852	3.1	435.5	137.0	611	4.60	61.4	18.3	0.1	13	6.1	<0.1	0.2
87304	Rock	1.32	<2	<3	<2	0.2	8.0	2.5	55	<0.1	11.4	6.3	1378	2.29	0.6	<0.5	2.6	125	0.2	<0.1	<0.1
87190	Rock	0.75	>10000	<3	10	3.5	390.8	16.4	17	14.0	9.4	12.6	76	11.28	197.9	24942.4	0.3	92	<0.1	1.3	5.0
87193	Rock	0.71	21	3	5	<0.1	19.5	1.0	40	<0.1	103.0	13.3	741	5.70	1.2	20.7	0.4	49	<0.1	0.1	<0.1
87455	Rock	1.63	13	7	11	1.7	148.7	1.9	19	0.2	36.6	18.2	198	2.28	5.4	18.1	0.7	42	<0.1	0.8	0.2
87456	Rock	0.98	32	<3	3	1.5	42.9	1.4	38	0.1	10.3	12.3	458	2.22	<0.5	131.8	2.0	124	<0.1	<0.1	<0.1
87457	Rock	1.72	38	<3	<2	2.3	29.9	4.1	40	0.2	8.8	16.4	468	4.24	1.5	34.7	1.0	35	<0.1	0.1	0.2
87064	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
87464	Rock	1.56	43	14	18	3.3	89.3	3.8	79	0.2	115.3	35.6	380	6.58	6.5	27.0	0.3	27	0.1	0.2	0.7
87469	Rock	1.58	7	8	6	3.4	20.8	1181.5	39	3.0	3.0	0.8	39	1.75	77.4	3.1	1.1	20	0.1	3.1	0.2
87470	Rock	0.96	5	3	7	5.9	340.5	2339.3	250	6.2	30.0	8.1	37	19.08	514.3	4.1	0.3	3	0.9	37.5	0.3
87471	Rock	1.07	5	4	7	5.7	152.7	2383.4	171	7.2	18.9	5.3	41	25.95	339.5	2.5	0.8	2	0.9	27.6	0.2
87472	Rock	1.59	5	<3	5	3.2	150.9	3607.1	390	5.1	18.2	3.8	40	33.37	203.8	2.5	0.3	2	1.7	13.4	0.2



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Client: Commander Resources Ltd.
1100 - 1111 Melville Street
Vancouver British Columbia V6E 3V6 Canada

Project: REC
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CERTIFICATE OF ANALYSIS

VAN17001983.1

Method	Analyte	AQ200																			
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
87302	Rock	56	0.50	0.003	<1	244	2.82	77	0.237	<20	2.18	0.040	0.48	0.3	0.05	1.8	0.1	2.19	7	4.7	0.3
87304	Rock	87	5.10	0.120	3	7	1.30	83	0.010	<20	1.23	0.005	0.15	0.2	<0.01	5.6	<0.1	<0.05	8	<0.5	<0.2
87190	Rock	68	0.06	0.098	2	47	0.05	30	0.119	<20	0.17	0.167	0.65	<0.1	0.32	3.6	0.4	2.94	3	2.5	5.3
87193	Rock	170	3.02	0.108	3	111	3.43	108	0.021	<20	2.31	0.044	0.09	<0.1	<0.01	16.0	<0.1	<0.05	9	<0.5	<0.2
87455	Rock	61	0.94	0.113	4	36	0.41	21	0.140	<20	0.69	0.090	0.07	0.2	<0.01	4.2	1.2	0.55	5	2.7	<0.2
87456	Rock	49	0.63	0.097	7	18	0.68	118	0.085	<20	1.21	0.059	0.10	0.5	<0.01	3.2	<0.1	0.11	5	<0.5	<0.2
87457	Rock	51	0.63	0.108	3	10	0.51	22	0.121	<20	1.46	0.095	0.15	0.2	<0.01	2.4	0.1	2.28	4	0.6	<0.2
87064	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
87464	Rock	132	0.68	0.092	1	236	1.97	32	0.223	<20	1.74	0.095	0.11	0.3	0.01	5.0	0.1	4.55	8	5.1	0.4
87469	Rock	24	<0.01	0.004	6	5	0.01	87	0.002	<20	0.13	0.003	0.14	0.2	6.35	0.3	6.1	0.94	<1	1.9	<0.2
87470	Rock	13	0.01	0.002	<1	4	<0.01	2	0.001	<20	0.07	0.003	0.04	0.2	14.91	<0.1	39.4	>10	<1	5.9	<0.2
87471	Rock	19	0.02	0.002	<1	3	0.01	2	0.002	<20	0.11	<0.001	0.06	0.1	10.82	0.2	31.9	>10	<1	4.6	<0.2
87472	Rock	12	0.03	0.003	<1	2	<0.01	<1	<0.001	<20	0.04	<0.001	0.02	<0.1	9.62	<0.1	8.2	>10	<1	7.5	<0.2



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Project: REC
Report Date: November 17, 2017

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CERTIFICATE OF ANALYSIS

VAN17001983.1

Method	FA530
Analyte	Au
Unit	gm/t
MDL	0.9
87302	Rock
87304	Rock
87190	Rock 20.9
87193	Rock
87455	Rock
87456	Rock
87457	Rock
87064	Rock
87464	Rock
87469	Rock
87470	Rock
87471	Rock
87472	Rock



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QUALITY CONTROL REPORT

VAN17001983.1

Method	WGHT	FA330	FA330	FA330	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
Pulp Duplicates																					
87304	Rock	1.32	<2	<3	<2	0.2	8.0	2.5	55	<0.1	11.4	6.3	1378	2.29	0.6	<0.5	2.6	125	0.2	<0.1	<0.1
REP 87304	QC		<2	<3	2																
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-PGMS-19	Standard		222	105	472																
STD CDN-PGMS-23	Standard		460	439	2166																
STD CDN-PGMS-19	Standard		231	116	514																
STD CDN-PGMS-23	Standard		476	491	2186																
STD DS11	Standard				14.7	160.3	144.3	352	1.7	72.5	13.9	1055	3.14	42.4	63.8	7.9	69	2.5	6.3	12.4	
STD OREAS45EA	Standard				1.5	722.6	15.8	32	0.3	400.9	52.5	437	21.52	10.7	55.7	12.3	4	<0.1	0.2	0.3	
STD SP49	Standard																				
STD SQ70	Standard																				
STD OREAS45EA Expected					1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	
STD DS11 Expected					13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	7.2	12.2	
STD CDN-PGMS-19 Expected			230	108	476																
STD CDN-PGMS-23 Expected			496	456	2032																
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
BLK	Blank		<2	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank				<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	
BLK	Blank		<2	<3	2																
BLK	Blank		<2	<3	3																
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank		<2	<3	<2	1.1	2.9	1.0	36	<0.1	1.0	4.2	647	1.88	1.0	0.9	2.0	25	<0.1	<0.1	<0.1
ROCK-VAN	Prep Blank		<2	<3	<2	1.5	3.3	1.2	35	<0.1	0.8	3.5	610	1.64	1.8	0.9	1.7	26	<0.1	<0.1	<0.1



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QUALITY CONTROL REPORT

VAN17001983.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																					
87304	Rock	87	5.10	0.120	3	7	1.30	83	0.010	<20	1.23	0.005	0.15	0.2	<0.01	5.6	<0.1	<0.05	8	<0.5	<0.2
REP 87304	QC																				
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-23	Standard																				
STD CDN-PGMS-19	Standard																				
STD CDN-PGMS-23	Standard																				
STD DS11	Standard	50	1.07	0.078	18	58	0.86	421	0.091	<20	1.15	0.070	0.42	3.0	0.27	3.2	4.9	0.30	5	2.5	4.5
STD OREAS45EA	Standard	311	0.03	0.031	8	810	0.09	167	0.103	<20	3.26	0.017	0.06	<0.1	0.01	78.8	<0.1	<0.05	13	0.7	<0.2
STD SP49	Standard																				
STD SQ70	Standard																				
STD OREAS45EA Expected		303	0.036	0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07
STD DS11 Expected		50	1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.3	3.1	4.9	0.2835	4.7	1.9	4.56
STD CDN-PGMS-19 Expected																					
STD CDN-PGMS-23 Expected																					
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank	22	0.63	0.049	6	2	0.59	55	0.072	<20	1.01	0.079	0.10	<0.1	<0.01	2.9	<0.1	0.07	4	<0.5	<0.2
ROCK-VAN	Prep Blank	16	0.71	0.042	5	2	0.52	39	0.066	<20	1.04	0.065	0.08	<0.1	<0.01	2.2	<0.1	0.11	4	<0.5	<0.2



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Project: REC
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QUALITY CONTROL REPORT

VAN17001983.1

	Method	FA530
	Analyte	Au
	Unit	gm/t
	MDL	0.9
Pulp Duplicates		
87304	Rock	
REP 87304	QC	
Reference Materials		
STD AGPROOF	Standard	<0.9
STD CDN-PGMS-19	Standard	
STD CDN-PGMS-23	Standard	
STD CDN-PGMS-19	Standard	
STD CDN-PGMS-23	Standard	
STD DS11	Standard	
STD OREAS45EA	Standard	
STD SP49	Standard	18.5
STD SQ70	Standard	40.1
STD OREAS45EA Expected		
STD DS11 Expected		
STD CDN-PGMS-19 Expected		
STD CDN-PGMS-23 Expected		
STD AGPROOF Expected		0
STD SP49 Expected		18.34
STD SQ70 Expected		39.62
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	
BLK	Blank	<0.9
Prep Wash		
ROCK-VAN	Prep Blank	
ROCK-VAN	Prep Blank	

APPENDIX 6

Statement of Work Confirmation


[Print and Close](#)
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Mineral Titles Online

Mineral Claim Exploration and Development Work/Expiry Date Change

Confirmation

Recorder: WETHERUP, STEPHEN
WILLIAM (141077)

Submitter: WETHERUP, STEPHEN
WILLIAM (141077)

Recorded: 2017/NOV/06

Effective: 2017/NOV/06

D/E Date: 2017/NOV/06

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 5672483

Work Type: Technical Work
Technical Items: Geochemical, Geological, Prospecting

Work Start Date: 2017/AUG/28

Work Stop Date: 2017/AUG/30

Total Value of Work: \$ 27655.73

Mine Permit No:

Summary of the work value:

Title Number	Claim Name/Property	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
1047878	REBEL	2016/NOV/15	2017/NOV/15	2020/JUL/29	987	1621.55	\$ 27601.83	\$ 0.00

Financial Summary:

Total applied work value: \$ 27601.83

PAC name: Commander Resources

Debited PAC amount: \$ 0.0

Credited PAC amount: \$ 53.9

Total Submission Fees: \$ 0.0

Total Paid: \$ 0.0

Please print this page for your records.

The event was successfully saved.

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