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CANADIAN EXPLORATION SERVICES LTD

Skead Holdings LTD.

**Q2524 – Cunningham Township Property
Soil Sampling Program**

**C Jason Ploeger, P.Geo.
Andrew Salerno, B.Sc.**

November 23, 2018

SKEAD HOLDINGS LIMITED

Abstract

CXS was contracted by Skead Holdings Limited to collect B horizon soil samples over the Cunningham Property located in Cunningham Township, Ontario. From the soil sampling program, 55 samples were collected.

Samples were sent to ALS Labs in Sudbury, Ontario for further analysis. Results are incorporated in this report.

Skead Holdings LTD.

**Q2524 – Cunningham Township Property
Soil Sampling Program**

**C Jason Ploeger, P.Geo.
Andrew Salerno, B.Sc.**

November 23, 2018

TABLE OF CONTENTS

1.0	Survey Details.....	4
1.1	Project Name	4
1.2	Client.....	4
1.3	Location	4
1.4	Access	5
1.5	Ownership.....	5
1.6	Survey Grid	5
1.7	Previous Work.....	6
1.8	General Geology	7
2.0	Survey Work Undertaken.....	8
2.1	Survey Log.....	8
2.2	Personnel.....	8
2.3	Survey Specifications.....	9
3.0	Survey Work Undertaken.....	10
3.1	Summary of Samples Collected.....	10
3.2	Assay Values in the Survey Area.....	13

LIST OF APPENDICES

APPENDIX A: STATEMENT OF QUALIFICATIONS

APPENDIX B: SURVEY SPECIFICATIONS

APPENDIX C: INSTRUMENT PROCEDURES

APPENDIX D: ASSAY CERTIFICATES

APPENDIX E: LIST OF MAPS (IN MAP POCKET)

LIST OF TABLES AND FIGURES

Figure 1:	Cell Claims and Claim Holder.....	4
Figure 2:	Purposed Soil Sample Locations	6
Figure 3:	Soil Samples from November 7, 2018.....	10
Figure 4:	Soil Samples from November 13, 2018.....	10
Figure 5:	Soil Samples from November 14, 2018.....	11
Figure 6:	Soil Samples from November 15, 2018.....	12
Figure 7:	Soil Samples from November 16, 2018.....	13
Figure 8:	Soil Samples Actual Location.....	13
Figure 9:	Silver Assay Values Based on Sample Location (ppm)	14
Figure 10:	Gold Assay Values Based on Sample Location (ppm).....	14
Figure 11:	Copper Assay Values Based on Sample Location (ppm).....	15

Figure 12: Nickel Assay Values Based on Sample Location (ppm)..... 15

Table 1: Cell Claims and Claim Holder5

Table 2: Survey Log.....8

1.0 SURVEY DETAILS

1.1 PROJECT NAME

This project is known as the **Cunningham Property**

1.2 CLIENT

SKEAD HOLDINGS LTD.

28 Ford St.
Sault Ste. Marie, Ontario
P6A 4N4

1.3 LOCATION

The Cunningham Property is located in Cunningham Township approximately 10km northeast of Sault, Ontario. The survey area covers multiple cell claims located within the Porcupine Mining Division. The soil sampling area covers cell claims 104549, 118497, 118498, 129715, 146299, 146300, 157664, 157665, 177141, 194380, 194381, 228139, 243203, 288120, 296125, 296126, 315579, 315580, and 337495.

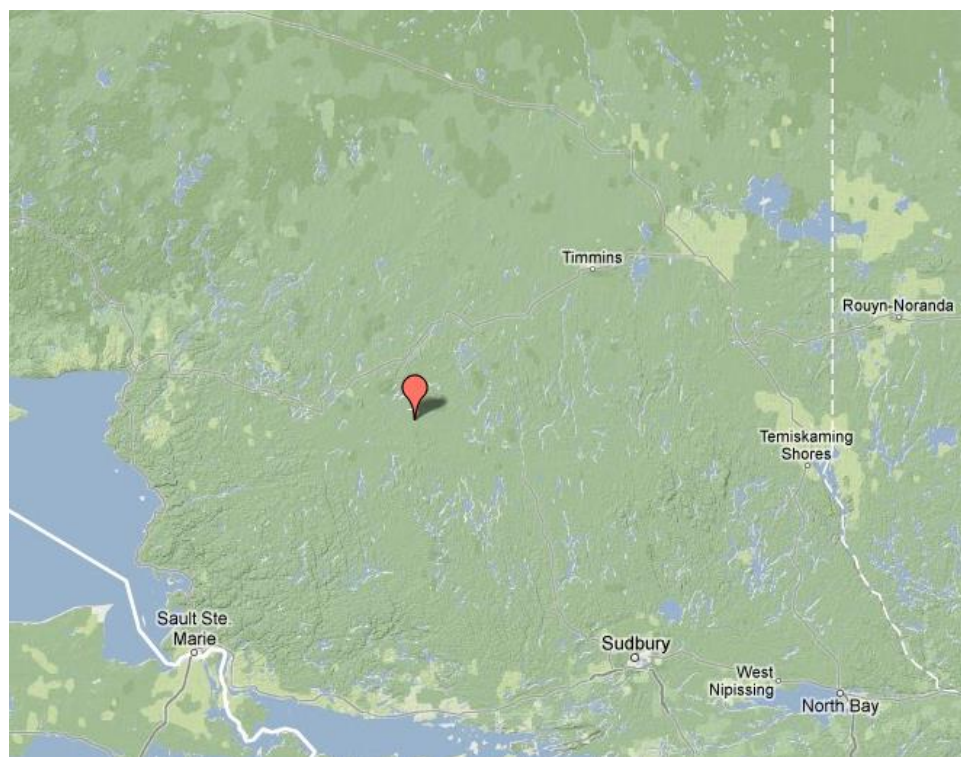


Figure 1: Location of the Cunningham Property

1.4 ACCESS

Access to the property was attained with a 4x4 truck by traveling west on Sultan

Industrial Road from the intersection of Highway 144 and Highway 560 for approximately 64 km. From that point, ATVs were used to travel for an additional 10km north on an old logging road to the beginning of the property. The rest of the property was then accessed by ATV trails and on foot.

1.5 OWNERSHIP

Claim Number	Holder
104549	Skead Holdings Ltd.
118497	Skead Holdings Ltd.
118498	Skead Holdings Ltd.
129715	Skead Holdings Ltd.
146299	Skead Holdings Ltd.
146300	Skead Holdings Ltd.
157664	Skead Holdings Ltd.
157665	Skead Holdings Ltd.
177141	Skead Holdings Ltd.
194380	Skead Holdings Ltd.
194381	Skead Holdings Ltd.
228139	Skead Holdings Ltd.
243203	Skead Holdings Ltd.
288120	Skead Holdings Ltd.
296125	Skead Holdings Ltd.
296126	Skead Holdings Ltd.
315579	Skead Holdings Ltd.
315580	Skead Holdings Ltd.
337495	Skead Holdings Ltd.

Table 1: Cell Claims and Claim Holder

1.6 SURVEY GRID

The traversed lines were established using a GPS in conjunction with the execution of the survey. The soil sampler would establish sample locations. GPS waypoint and soil samples were taken every 50m along these controlled traverses. The GPS used was a Garmin GPSMAP 62s and a Garmin GPSMAP 64 with an external antenna for added accuracy.

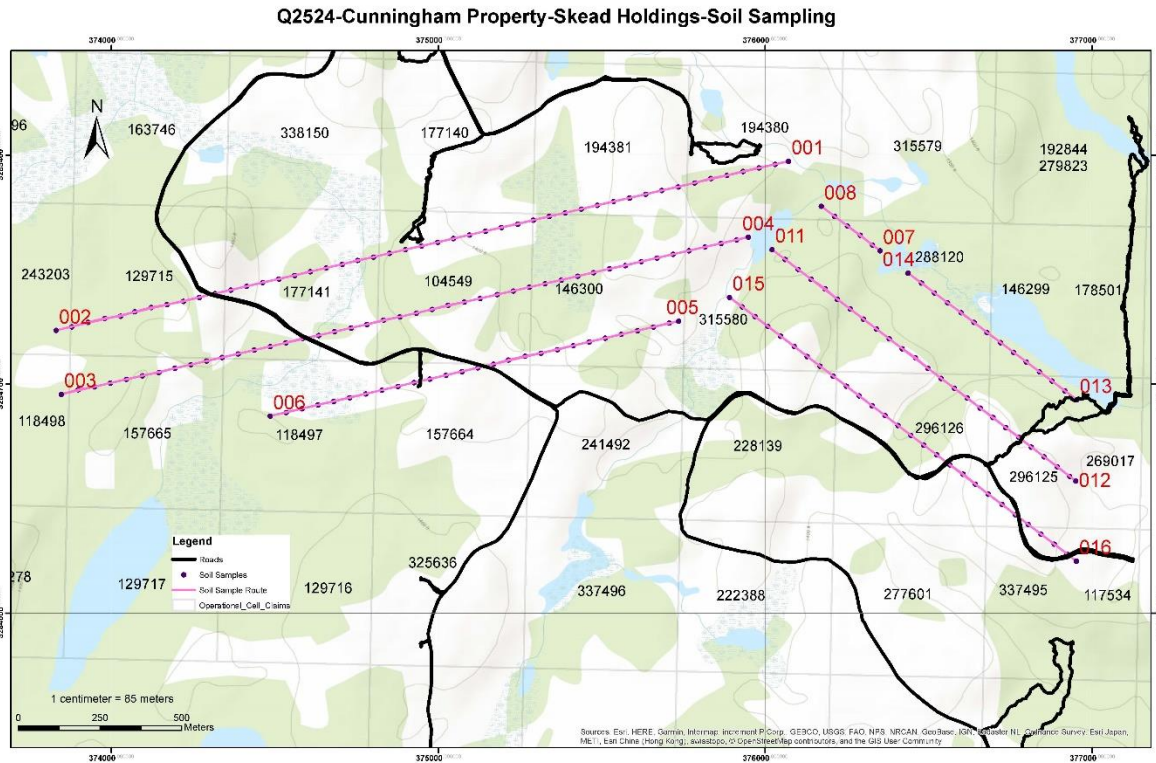


Figure 2: Purposed Soil Sample Locations

1.7 PREVIOUS WORK

A substantial amount of work has been done on the property and surrounding claims. The volume of work includes:

1954 – The American Metal Company – EM - Diamond Drilling – 1 hole totaling 559.5 feet

1964 – Shunsby Mines Ltd. – Diamond Drilling – 5 holes totaling 1494 feet

1964 – Shunsby Mines Ltd. – Geology - Magnetometer – EM (Turam)

1966 – Consolidate Shunsby Mines – Diamond Drilling – 9 holes totaling 2301.5 feet

1975 – Grandora Exploration Ltd. – Diamond Drilling on Shunsby Zone

1980 – MW Resources Limited – Diamond Drilling – Magnetometer –VLF - 2 holes totaling 500 feet

1981 – MW Resources Limited - Property Valuation

1983 – Kidd Creek Mines Ltd. – Magnetometer –VLF – HLEM

1984 – Noranda Exploration Company Limited – Magnetometer – HLEM - Geological Mapping

1984 – Kidd Creek Mines Ltd. – Magnetometer –VLF – HLEM

-
- 1990 – Teck Exploration Ltd. – Magnetometer – HLEM - Diamond Drilling – 5 holes totaling 2061 feet
- 1990 – Bill Troup – Property Valuation
- 1990 – Kirkton Resources Corp. – Compilation – Stripping and Geological Mapping – Mag - HLEM
- 1990 – Cominco Ltd. – Magnetometer – HLEM – UTEM - Geology
- 1991 – Cominco Ltd. – Diamond Drilling – 2 holes totaling 400m
- 1993 – Noranda Exploration Company Limited – Geology – Soil Sampling – Line cutting – Magnetometer –HLEM – Diamond Drilling – 1 hole totaling 381 meters
- 2013 – Skead Holdings Ltd. – Magnetometer – VLF
- 2014 – Skead Holdings Ltd. – Magnetometer – VLF
- 2016 – Skead Holdings Ltd. – Grass Roots Prospecting Project

1.8 GENERAL GEOLOGY

The area is underlain by folded and faulted rock units consisting of a chert-argillite assemblage sandwiched between a felsic volcanic footwall and mafic volcanic hanging wall. All units have been intruded by ultramafic to felsic dikes, sills, and plugs. The chert-argillite assemblage is split into an upper and lower unit by the presence of a variolitic basalt flow. This basalt is a distinctive marker unit and has been traced with confidence for a strike length of approximately 12km.

Many of the known base metal Zn-Cu occurrences in the area are hosted by this chert argillite assemblage. Much of this mineralization consists of stringer and disseminated Fe-Zn-Cu-Pb sulphides, however, several instances of bedded VMS-style sulphides are known.

2.0 SURVEY WORK UNDERTAKEN

2.1 SURVEY LOG

Date	Description	Line	Total (metres)
November 7, 2018	Locate survey area and begin soil sampling. Started and finished line 013-014.	013-014	650
November 12, 2018	Mobilize to site and locate survey area.	-	-
November 13, 2018	Continue soil sampling, started and finished half of line 002-001.	002-001	900
	Started and finished half of line 004-003.	004-003	750
November 14, 2018	Continue soil sampling, started and finished line 012-011.	012-011	1200
	Started and finished line 008-007.	008-007	250
	Started and finished more than half of line 015-016.	015-016	850
November 15, 2018	Continue soil sampling, finished off the rest of line 002-001.	002-001	1350
	Finished off line 004-003.	004-003	1350
	Finished off line 015-016.	015-016	500
November 16, 2018	Continue soil sampling, started and finished line 006-005. Finished soil sampling program & demobilized back to Larder Lake.	006-005	950
Total Length	8.75 kilometres		

Table 2: Survey Log

2.2 PERSONNEL

William Bonney of Kirkland Lake, Ontario, Andrew Salerno of Kitchener, Ontario along with David Ellerton of Englehart, Ontario conducted all the soil sampling collection.

2.3 SURVEY SPECIFICATIONS

The grid consisted of three uncut lines running southwest to northeast and another set of four uncut lines running northwest to southeast, totaling 8.75 km. Along these seven lines soil samples were taken every 50m.

At each sample site a long bright orange ribbon was hung with only the sample number listed in black marker. Below the ribbon the sample was taken.

Using an auger, the sample was taken in the “B” Horizon. The media sampled varied by each site. When the sample was taken, the samplers’ hands were wrapped in a plastic bag while recovering the media to prevent contamination. The media is put in a Kraft paper bag which is then contained in a clear zip lock bag. The sample number is recorded on the Kraft paper bag. The sample is then put into a packsack for transportation.

While sampling; the site data is recorded on the water-resistant soil sample paper. This data includes the sample number, UTM or Grid coordinates, depth at which the sample was taken (measured from surface), soil horizon, the drainage information (azimuth and slope), the soil color, any notes on site contamination (old car, road, cans etc.), and the type of media sampled.

At the end of each day the samples were put into white “rice” bags. These bags were sealed and kept by the crew or dropped off at a pre-determined secure location each day. The soil sample sheets were also kept and handed in each day.

A total of 8.75-line kilometres of survey area were covered on the Cunningham Property between November 7, 2018 and November 16, 2016. This consisted of 55 soil samples taken at a 50m sample interval.

The results of analysis obtained from the laboratory were then processed and mapped in ESRI’s ArcMap.

3.0 OVERVIEW OF SURVEY RESULTS

ALL SAMPLES WERE TAKEN FOR REFERENCE PURPOSES ONLY! ALL SAMPLES WERE PRESENTED TO SKEAD HOLDINGS LTD.

3.1 SUMMARY OF SAMPLES COLLECTED

Client: Skead Hldg		Project: Q2524 Cunningham												
Date of Survey: Nov 7/18		Survey Personnel: Andrew Salerno, David Ellerton												
Sample	Sample Tag	Local Grid Co-ords Line	Station	Depth (cm)	Soil Horizon	Drainage		Soil Colour	Contaminates	Soil Material	Sample Condition	Vegetation Type	Terrain Topography	Other Notes
1	27658			5	B	NE	3	LBR	n/a	Sand	Damp	Jp, Sp, Br	hillside	Pond/lake @ bottom/northend
2	27659			10	B	N	3	LBR	n/a	Sand	Damp	Jp, Sp, Br	hillside	Pond/lake @ bottom/northend
3	27661			10	B	N	2	LBR	n/a	Sand	Damp	Jp, P, Br	hillside	Pond/lake @ bottom hill, skipped 27660
4	27662			15	B	N	3	LBR	n/a	Sand	Damp	Jp, Br, P	hillside	pond/lake @ bottom hill
5	27663			10	B	N	3	LBR	n/a	Sand	Damp	Jp, P	hillside	pond/lake @ bottom hill
6	27664			10	B	N	3	LBR	n/a	Sand	Damp	Jp, Sp, Br	hillside	pond/lake @ bottom hill
7	27665			5	B	N	2	LBR	n/a	Sand	Damp	Jp, P	hillside	pond/lake @ bottom hill
8	27668			10	B	N	3	LBR	n/a	Sand	Damp	Jp, Sp, Br	hillside	pond/lake @ bottom hill
9	27669			10	B	N	2	LBR	n/a	Sand	Damp	Jp, Sp, Br	hillside	pond/lake @ bottom hill
10	NS27670													Too rocky, too much organics
11	NS27671													Too rocky, too much organics
12	NS27672													Too rocky, too much organics
13	NS27674													Too rocky, too much organics
14	NS85566													Too rocky, too much organics

Figure 3: Soil Samples from November 7, 2018

Client: Skead Hldg		Project: Q2524 Cunningham												
Date of Survey: Nov 13/18		Survey Personnel: Andrew Salerno, David Ellerton												
Sample	Sample Tag	Local Grid Co-ords Line	Station	Depth (cm)	Soil Horizon	Drainage		Soil Colour	Contaminates	Soil Material	Sample Condition	Vegetation Type	Terrain Topography	Other Notes
1	NS27687													
2	NS27688													
3	NS27689													
4	27690			10	B	NW	1	BR	n/a	Sand	Moist	Jp, Br	hilltop	beside outcrop
5	NS27691													
6	27692			10	B	N	2	DBR, R	n/a	Sand	Moist	Jp	hilltop	on top of hill / hillside
7	NS27693													
8	27694			10	B	N	1	BR	n/a	Sand	Moist	Jp, P	swamp	flat
9	27695			15	B	S	1	LBR	n/a	Sand	Moist	Jp, P, Br	hilltop	close to cliff / hillside
10	27696			10	B	W	1	LBR	n/a	Sand	Moist	Jp, P	swamp	flat
11	NS27697													
12	NS27698													
13	NS27699													
14	NS27700													
15	NS62752													
16	62753			5	B	E	1	DBR	n/a	Sand	Moist	Jp, P	flat, level	
17	NS62754													
18	NS62755													
19	NS62756													
20	NS62757													
21	NS62758													
22	NS62759													
23	NS62760													
24	NS62761													
25	NS62762													
26	62763			15	B	NW	1	LBR	n/a	Sand	Moist	Jp	flat	swamp / wet
27	62764			10	B	SE	1	LBR	n/a	Sand	Moist	P	flat	swamp / level
28	NS62765													
29	62766			10	B	SW	1	LBR	n/a	Sand	Moist	Jp, P	flat	Swampy
30	NS62767													
31	NS62768													
32	NS62769													
33	NS62770													
34	NS62771													
35	62772			15	B	W	1	LBR	n/a	Sand	Moist	Jp, P	flat	
36	NS62773													

Figure 4: Soil Samples from November 13, 2018

Client: Skead Hldg		Project: Q2524 Cunningham													
Date of Survey: Nov 14/18		Survey Personnel: Andrew Salerno, David Ellerton													
Sample	Sample Tag	Local Grid Co-ords		Depth (cm)	Soil Horizon	Drainage		Soil Colour	Contaminates	Soil Material	Sample Condition	Vegetation Type	Terrain Topography	Other Notes	
		Line	Station			Azimuth	Slope								
1	62774			10	B	NE	2	LBR	n/a	Sand	Damp	Jp, P	hillside	outcrop / top of hill	
2	62775			15	B	N	3	LBR	n/a	Sand	Moist	Jp, p	hillside	on cliff	
3	NS62776														
4	62777			15	B	N	1	LBR	n/a	Sand	Damp	Jp, P	flat	slight down slope/ level	
5	NS62778														
6	62779			5	B	N	1	LBR	n/a	Sand	Moist	Jp, P, Sp	flat		
7	NS62780														
8	62781			10	B	S	1	LBR	n/a	Sand	Wet	P	flat	level, bushy area	
9	NS62782														
10	NS62783														
11	NS62784														
12	NS62785														
13	NS62786														
14	62787			10	B	N	1	LBR	n/a	Sand	Wet	P, Jp	hillside	hilly	
15	62788			10	B	W	2	LBR	n/a	Sand	Damp	P, Jp	hillside	hilly	
16	NS62789														
17	NS62790														
18	62791			15	B	W	1	LBR	n/a	Sand	Wet	P, Jp	flat	open area	
19	NS62792														
20	NS62793														
21	62794			5	B	W	2	LBR	n/a	Sand	Moist	P, Jp	hillside		
22	NS62795														
23	NS62796														
24	NS62797														
25	NS62798														
26	NS62799														
27	62800			30	B	W	1	LBR	n/a	Sand	Moist	P, Br, Jp	hillside	rolling hills	
28	NS84801														
29	NS84802														
30	84803			15	B	W	1	LBR	n/a	Sand	Moist	P, Jp	flat	level	
31	NS84804														
32	NS84805														
33	84806			15	B	W	1	LBR	n/a	Sand	Moist	P, Jp	flat	open area	
34	NS84807														
35	NS84808														
36	NS84809														
37	NS84810														
38	NS84811														
39	NS84812														
40	NS84813														
41	84814			15	B	W	1	LBR	n/a	Sand	Moist	Jp, Br, P	flat	hilltop	
42	84815			15	B	SE	1	LBR	n/a	Sand	Damp	P, Jp	flat	hill nearby / outcrop nearby	
43	NS84816														
44	NS84817														
45	NS84818														
46	NS84819														
47	NS84820														
48	NS84821														

Figure 5: Soil Samples from November 14, 2018

Client: Skead Hldg		Project: Q2524 Cunningham													
Date of Survey: Nov 15/18		Survey Personnel: Andrew Salerno, David Ellerton													
Sample	Sample Tag	Local Grid Co-ords		Depth (cm)	Soil Horizon	Drainage		Soil Colour	Contaminates	Soil Material	Sample Condition	Vegetation Type	Terrain Topography	Other Notes	
		Line	Station			Azimuth	Slope								
1	84822			15	B	NW	1	LBR	n/a	Sand	Moist	Jp, P	flat	top of hill	
2	NS84823														
3	NS84824														
4	84825			15	B	W	1	LBR	n/a	Sand	Dry	Jp, P	flat	elevated area	
5	NS84826														
6	NS84827														
7	84828			15	B	S	1	LBR	n/a	Sand	Dry	Jp, P	flat	rolling hills / elevated	
8	NS84829														
9	84830			15	B	S	1	LBR	n/a	Sand	Moist	Jp, P	flat	clear elevated area	
10	NS84831														
11	NS84832														
12	NS84833														
13	NS84834														
14	84835			15	B	W	1	LBR	n/a	Sand	Dry	Jp, P	flat	elevated area	
15	NS84836														
16	NS84837														
17	NS84838														
18	84839			10	B	W	2	LBR	n/a	Sand	Dry	Jp, P	flat	relatively open area	
19	84840			15	B	SW	1	LBR	n/a	Sand	Dry	P, Jp, Br	level	elevated area	
20	NS84841														
21	NS84842														
22	NS84843														
23	NS84844														
24	84845			10	B	N	1	LBR	n/a	Sand	Moist	Jp, P	level	bushy area	
25	NS84846														
26	NS84847														
27	84848			15	B	N	1	LBR	n/a	Sand	Dry	Jp, P	level	plantation	
28	NS84849														
29	NS84850														
30	NS84856														
31	84857			10	B	E	2	LBR	n/a	Sand	Dry	Jp, P	hillside	dry	
32	NS84858														
33	NS84859														
34	84860			10	B	S	1	LBR	n/a	Sand	Moist	Jp, P	hillside	rolling hills	
35	84861			35	B	S	1	LBR	n/a	Sand	Damp	Jp, P	flat	low lying area	
36	NS84862														
37	84863			10	B	SE	1	LBR	n/a	Sand	Moist	Jp, P	flat	light density of trees	
38	NS84864														
39	84865			15	B	S	1	LBR	n/a	Sand	Moist	Jp, P	flat/hillside	Jackpine plantation	
40	NS84866														
41	NS84867														
42	NS84868														
43	NS84869														
44	84870			15	B	E	1	LBR	n/a	Sand	Moist	Jp, P, C	flat	Thicketed Area	
45	84871			10	B	E	1	LBR	n/a	Sand	Dry	Jp, P	flat	Light density of trees	
46	NS84872														
47	NS84873														
48	NS84874														
49	84875			10	B	SW	1	LBR	n/a	Sand	Moist	Jp, P	hillside	Flat	
50	NS84876														
51	NS84877														
52	NS84878														
53	NS84879														
54	NS84880														
55	NS84881														
56	NS84882														
57	NS84883														
58	NS84884														
59	84885			15	B	SE	2	LBR	n/a	Sand	Dry	Jp, P	hilltop	Rolling hills	
60	NS84886														
61	NS84887														
62	NS84888														
63	NS84889														
64	84890			10	B	SW	1	LBR	n/a	Sand	Dry	Jp, P	hillside	Rolling hills	
65	NS84891														

Figure 6: Soil Samples from November 15, 2018

Client: Skead Hldg		Project: Q2524 Cunningham												
Date of Survey: Nov 16/18		Survey Personnel: Andrew Salerno, David Ellerton												
Sample	Sample Tag	Local Grid Co-ords Line Station	Depth (cm)	Soil Horizon	Drainage Azimuth Slope	Soil Colour	Contaminates	Soil Material	Sample Condition	Vegetation Type	Terrain Topography	Other Notes		
1	NS84892													
2	NS84893													
3	NS84894													
4	NS84895													
5	NS84896													
6	NS84897													
7	NS84898													
8	NS84899													
9	NS84900													
10	85555		15	B	SW 1	LBR	n/a	Sand	Dry	Jp, P	hilltop			
11	85556		15	B	S 1	LBR	n/a	Sand	Dry	Jp, P	flat		elevated area	
12	NS85557													
13	NS85558													
14	NS85559													
15	NS85560													
16	NS85561													
17	NS85562													
18	NS85563													
19	NS85564													
20	85565		15	B	S 1	LBR	n/a	Sand	Dry	Jp, P	flat		open area	

Figure 7: Soil Samples from November 16, 2018

3.2 ASSAY VALUES IN THE SURVEY AREA

Q2524-Cunningham Property-Skead Holdings-Soil Samples Actual Location

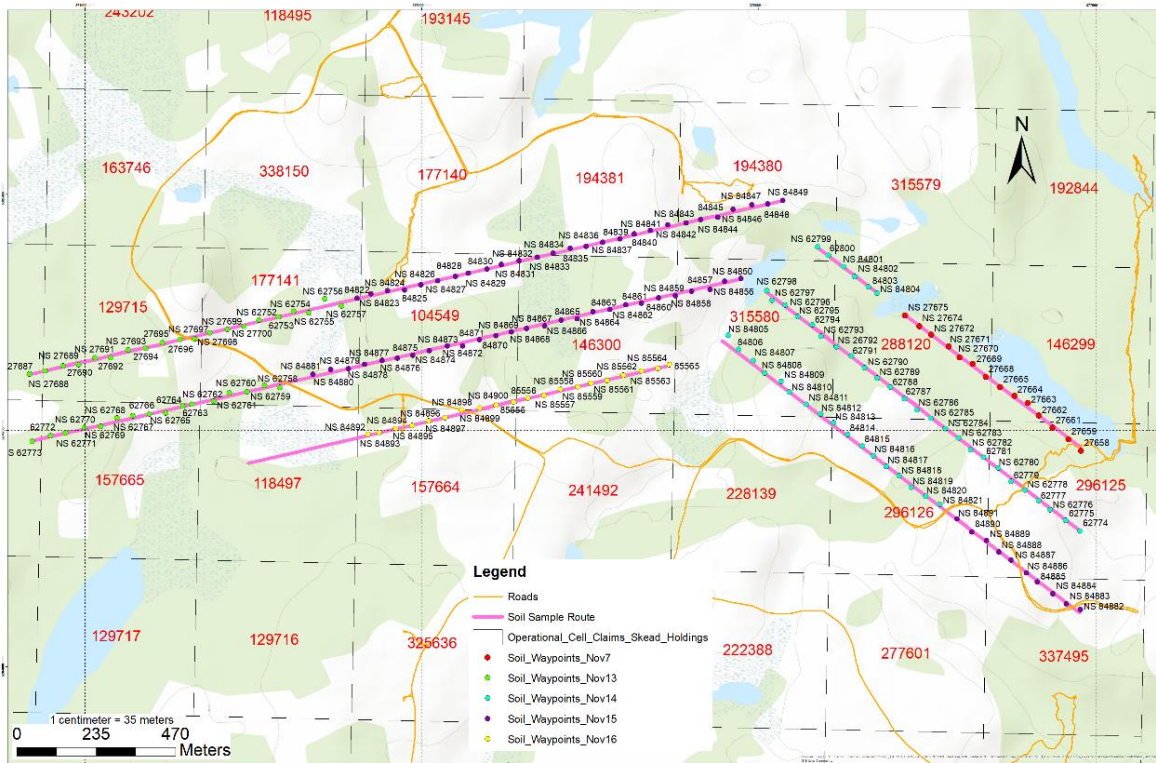


Figure 8: Soil Samples Actual Location

Q2524-Cunningham Property-Skead Holdings-Ag Conc. in Soil Samples

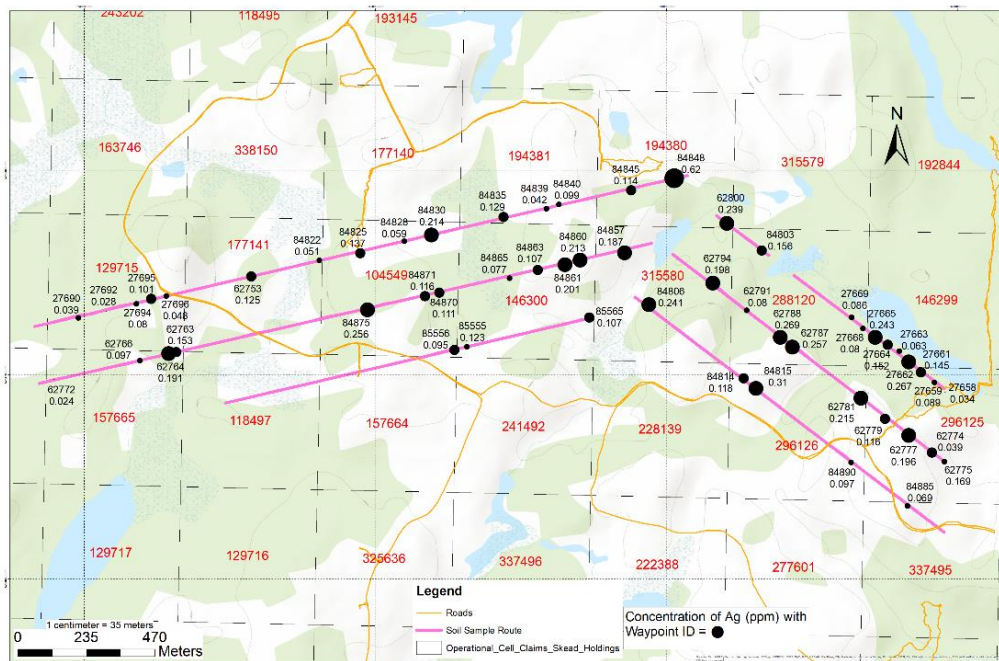


Figure 9: Silver Assay Values Based on Sample Location (ppm)

Q2524-Cunningham Property-Skead Holdings-Au Conc. in Soil Samples

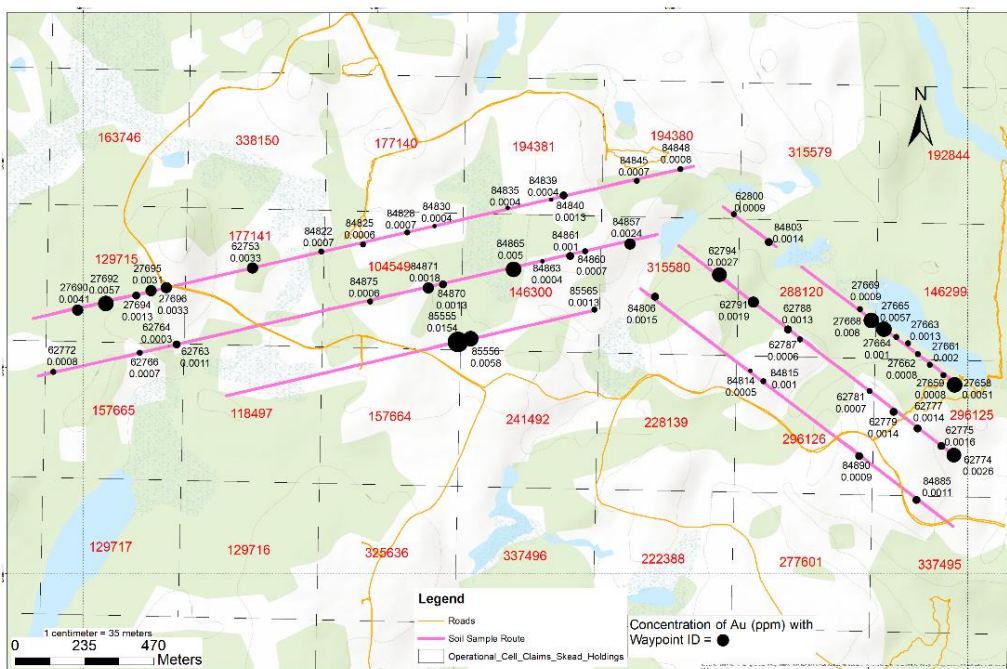


Figure 10: Gold Assay Values Based on Sample Location (ppm)

Q2524-Cunningham Property-Skead Holdings-Cu Conc. in Soil Samples

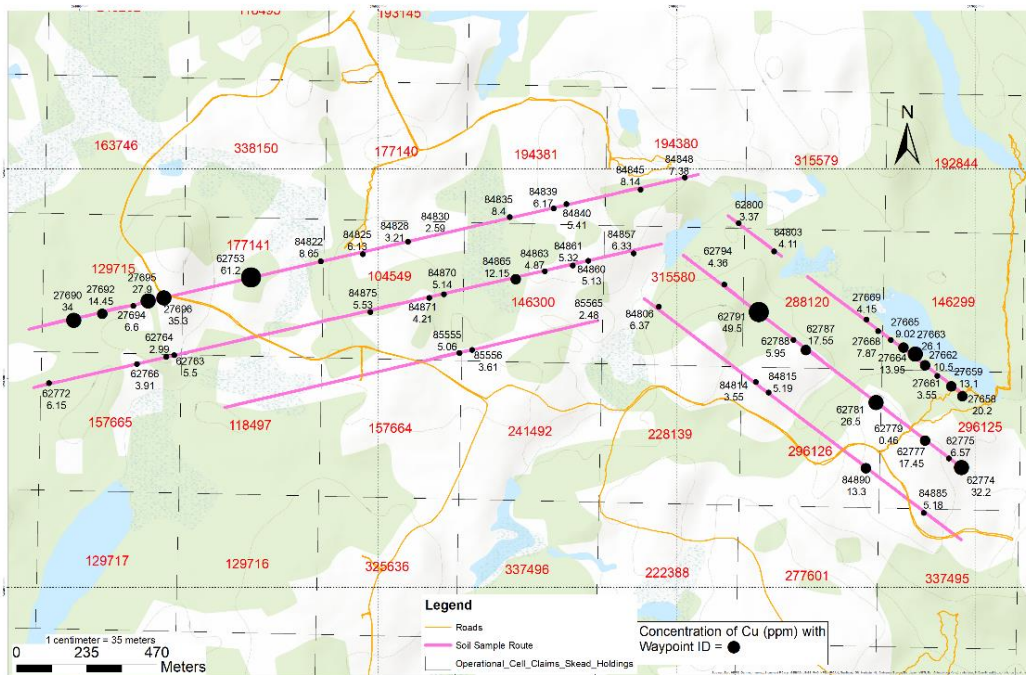


Figure 11: Copper Assay Values Based on Sample Location (ppm)

Q2524-Cunningham Property-Skead Holdings-Ni Conc. in Soil Samples

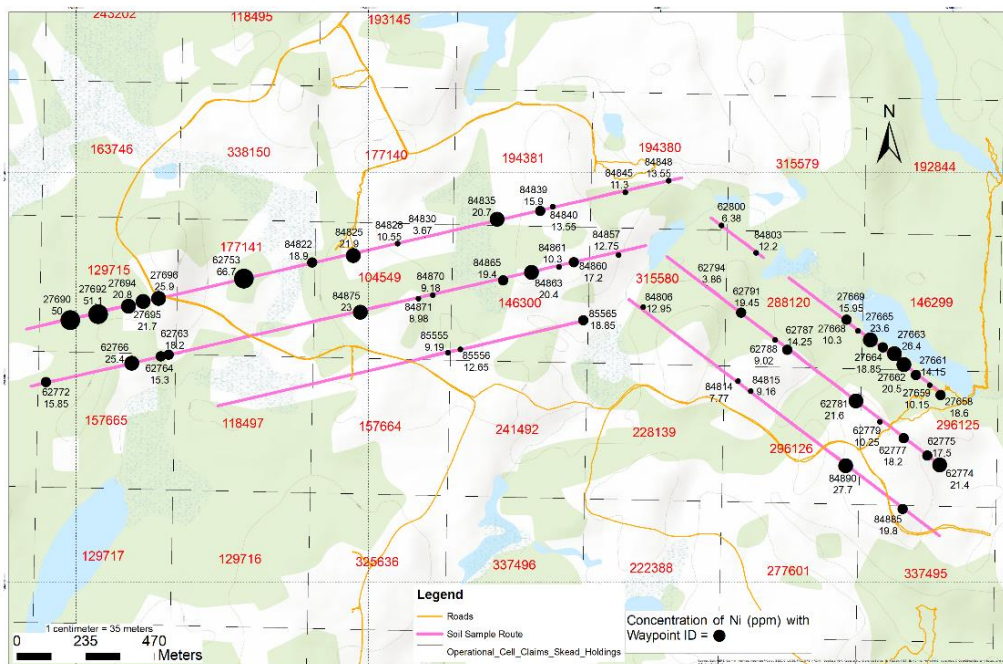


Figure 12: Nickel Assay Values Based on Sample Location (ppm)

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, C. Jason Ploeger, hereby declare that:

1. I am a professional geophysicist with residence in Larder Lake, Ontario and am presently employed as a Geophysicist and Geophysical Manager of Canadian Exploration Services Ltd. of Larder Lake, Ontario.
2. I am a Practising Member of the Association of Professional Geoscientists, with membership number 2172.
3. I graduated with a Bachelor of Science degree in geophysics from the University of Western Ontario, in London Ontario, in 1999.
4. I have practiced my profession continuously since graduation in Africa, Bulgaria, Canada, Mexico and Mongolia.
5. I am a member of the Ontario Prospectors Association, a Director of the Northern Prospectors Association and a member of the Society of Exploration Geophysicists.
6. I do not have nor expect an interest in the properties and securities of **Skead Holdings Ltd.**
7. I am responsible for the final processing and validation of the survey results and the compilation of the presentation of this report. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.



C. Jason Ploeger, P.Geo., B.Sc.
Geophysical Manager
Canadian Exploration Services Ltd.

Larder Lake, ON
November 23, 2018

APPENDIX A

STATEMENT OF QUALIFICATIONS

I, Andrew Salerno, hereby declare that:

1. I am a soon-to-be Geoscientist-in-Training with residence in Virginia town, Ontario and am presently employed as a Junior Geologist with Canadian Exploration Services Ltd. of Larder Lake, Ontario.
2. I graduated with a Bachelor of Science Honors specialization in geology from the University of Waterloo, in Waterloo Ontario, in 2018.
3. I am currently undergoing the application process to register as a Geoscientist in-Training to later become a practicing member of the Association of Professional Geoscientists.
4. I do not have nor expect an interest in the properties and securities of **Skead Holdings Ltd.**
5. I am responsible for assisting with the final processing and validation of the survey results and the compilation of the presentation of this report. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.



Andrew Salerno, B.Sc.
Junior Geologist
(non-Professional)

Larder Lake, ON
November 23, 2018

APPENDIX B

SURVEY PROCEDURES

Soil samples are taken at a specific interval over planned lines. The sample number is written on a long bright orange ribbon and left at each sample site. An auger is used to take the sample. During extraction of a sample a plastic bag is used to prevent contamination between the sample and the sampler. The sample is stored in a Kraft paper bag, which is stored in a clear Ziplock bag. The sample number is recorded on the Kraft paper bag. The sample is then stored in preparation for transportation.

While sampling; the site data is recorded on the water-resistant soil sample paper. This data includes the sample number, UTM or Grid coordinates, depth at which the sample was taken (measured from surface), soil horizon, the drainage information (azimuth and slope), the soil color, any notes on site contamination (old car, road, cans etc.), and the type of media sampled.

At the end of each day the samples were put into white “rice” bags. These bags were sealed and kept by the crew or dropped off at a pre-determined secure location each day. The soil sample sheets were also kept and handed in each day.

APPENDIX C

GARMIN GPS MAP 62S



Physical & Performance:	
Unit dimensions, WxHxD:	2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size, WxH:	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH:	160 x 240 pixels
Display type:	transflective, 65-K color TFT
Weight:	9.2 oz (260.1 g) with batteries
Battery:	2 AA batteries (not included); NiMH or Lithium recommended
Battery life:	20 hours
Waterproof:	yes (IPX7)
Floats:	no
High-sensitivity receiver:	yes
Interface:	high-speed USB and NMEA 0183 compatible
Maps & Memory:	

Basemap:	yes
Preloaded maps:	no
Ability to add maps:	yes
Built-in memory:	1.7 GB
Accepts data cards:	microSD™ card (not included)
Waypoints/favorites/locations:	2000
Routes:	200
Track log:	10,000 points, 200 saved tracks
Features & Benefits:	
Automatic routing (turn by turn routing on roads):	yes (with optional mapping for detailed roads)
Electronic compass:	yes (tilt-compensated, 3-axis)
Touchscreen:	no
Barometric altimeter:	yes
Camera:	no
<u>Geocaching-friendly:</u>	yes (paperless)
<u>Custom maps compatible:</u>	yes
Photo navigation (navigate to geotagged photos):	yes
Outdoor GPS games:	no
Hunt/fish calendar:	yes
Sun and moon information:	yes
Tide tables:	yes
Area calculation:	yes

Custom POIs (ability to add additional points of interest):	yes
Unit-to-unit transfer (shares data wirelessly with similar units):	yes
Picture viewer:	yes
Garmin Connect™ compatible (online community where you analyze, categorize and share data):	yes

GARMIN GPS MAP 62S



General

Physical dimensions	2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution	160 x 240 pixels

Display type	transflective, 65-K color TFT
Weight	8.1 oz (230 g) with batteries
Battery	2 AA batteries (not included); NiMH or Lithium recommended
Battery life	16 hours
Water rating	IPX7
Memory/History	4GB
High-sensitivity receiver	
Interface	USB and NMEA 0183 compatible

Maps & Memory

Ability to add maps	
Basemap	
Storage and Power Capacity	microSD™ card (not included)
Waypoints/favorites/locations	5000
Routes	200
Track log	10,000 points, 200 saved tracks

Outdoor Recreation Features

Area calculation	
Automatic routing (turn by turn routing on roads)	Yes (with optional mapping for detailed roads)

Geocaching-friendly	Yes (Paperless)
Custom maps compatible	
Hunt/fish calendar	
Sun and moon information	
Picture viewer	

Garmin Connect™

Garmin Connect™ compatible (online community where you analyze, categorize and share data)

- *Specifications obtained from www.garmin.com*

APPENDIX D

ASSAY CERTIFICATES

SAMPLE DESCRIPTION	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm
27658	0.0051	0.034	0.98	4.77	10	26.5	0.22	0.073	0.2	0.11
27589										
27661	0.002	0.145	1	4.95	10	19.9	0.18	0.064	0.11	0.107
27662	0.0008	0.267	0.81	4.99	10	31.1	0.18	0.087	0.2	0.343
27663	0.0013	0.063	1.82	11.15	10	24.8	0.28	0.091	0.08	0.123
27664	0.001	0.152	1.01	7.07	10	24.2	0.17	0.091	0.09	0.207
27665	0.0057	0.243	1.19	3.08	10	26.7	0.26	0.06	0.09	0.147
27668	0.0008	0.08	0.69	8.41	10	17.4	0.12	0.1	0.14	0.197
27690	0.0041	0.039	1.62	4.48	10	17.2	0.28	0.073	0.12	0.105
27695	0.0031	0.101	1.15	2.41	10	20.8	0.25	0.088	0.09	0.082
27694	0.0013	0.08	0.87	1.3	10	22.5	0.19	0.076	0.15	0.117
27696	0.0033	0.048	1.48	3.9	10	14.2	0.32	0.09	0.08	0.094
62753	0.0033	0.125	1.76	4.48	10	23.8	0.47	0.143	0.1	0.255
62763	0.0011	0.153	0.76	1.16	10	33.7	0.19	0.054	0.17	0.071
62764	0.0003	0.191	0.78	0.91	10	31.6	0.21	0.069	0.08	0.084
62766	0.0007	0.097	1.14	1.23	10	31.6	0.24	0.076	0.09	0.04
62772	0.0008	0.024	0.68	0.78	10	25.4	0.13	0.039	0.12	0.027
62774	0.0026	0.039	1.18	20.4	10	25.3	0.24	0.128	0.22	0.181
62775	0.0016	0.169	1.46	2.33	10	21.9	0.29	0.061	0.11	0.072
62777	0.0014	0.196	1	2.71	10	38	0.2	0.069	0.13	0.128
62779	0.0014	0.116	0.81	3.57	10	33.3	0.19	0.096	0.12	0.121
62781	0.0007	0.215	1.39	2.82	10	46.4	0.41	0.115	0.12	0.146
62787	0.0006	0.257	1.11	9.94	10	31.9	0.21	0.147	0.17	0.914
62788	0.0013	0.269	0.94	2.45	10	26.6	0.17	0.085	0.1	0.68
62791	0.0019	0.08	1.45	6.8	10	12.5	0.2	0.094	0.15	0.645
62794	0.0027	0.198	0.49	2.07	10	17.1	0.09	0.108	0.08	0.292
62800	0.0009	0.239	0.88	0.71	10	30	0.18	0.06	0.11	0.287
84803	0.0014	0.156	1.22	1.72	10	25	0.22	0.095	0.15	0.263
84806	0.0015	0.241	1.35	1.57	10	30.9	0.29	0.063	0.22	0.252
84814	0.0005	0.118	1.18	1.39	10	25.8	0.2	0.089	0.08	0.155
84815	0.001	0.31	1.16	1.07	10	28.1	0.21	0.076	0.08	0.178
84822	0.0007	0.051	1.48	1.68	10	29.4	0.22	0.076	0.13	0.063
84825	0.0006	0.137	2.09	1.54	10	20.7	0.37	0.052	0.12	0.049
84828	0.0007	0.059	0.92	1.07	10	24.6	0.19	0.077	0.09	0.137
84830	0.0004	0.214	0.61	0.49	10	20	0.13	0.077	0.09	0.132
84835	0.0004	0.129	1.08	1.75	10	27.5	0.17	0.063	0.1	0.057
84839	0.0004	0.042	1.26	2.25	10	21.5	0.24	0.071	0.11	0.105
84840	0.0013	0.099	1.39	1	10	32.2	0.27	0.065	0.09	0.066
84845	0.0007	0.114	0.76	0.71	10	24.1	0.1	0.06	0.14	0.071
84848	0.0008	0.62	1.53	2.11	10	17.7	0.26	0.057	0.09	0.286
84857	0.0024	0.187	1.46	2.98	10	30.7	0.26	0.092	0.09	0.16
84860	0.0007	0.213	1.67	1.18	10	27.2	0.31	0.068	0.08	0.074
84861	0.001	0.201	1.18	1.17	10	19.4	0.21	0.07	0.09	0.068
84863	0.0004	0.107	1.46	1.08	10	24.7	0.22	0.063	0.09	0.053
84865	0.005	0.077	1.17	1.4	10	40.5	0.17	0.073	0.09	0.047
84870	0.0013	0.111	1.31	1.75	10	30.5	0.32	0.095	0.12	0.227
84871	0.0018	0.116	1.22	0.8	10	24.4	0.21	0.058	0.09	0.115
84875	0.0006	0.256	1.53	1.24	10	23.8	0.3	0.056	0.17	0.083
84885	0.0011	0.069	1.6	1.98	10	34.4	0.33	0.068	0.12	0.069
84890	0.0009	0.097	1.65	3.39	10	27.9	0.26	0.079	0.1	0.128
85555	0.0154	0.123	1.18	1.03	10	28	0.25	0.077	0.07	0.101
85556	0.0058	0.095	1.16	1.47	10	22.3	0.19	0.076	0.07	0.07
85565	0.0013	0.107	1.2	0.85	10	44.8	0.23	0.07	0.08	0.091
27659	0.0008	0.089	0.83	2.26	10	25.5	0.15	0.09	0.14	0.171
27669	0.0009	0.086	0.97	2.79	10	23.6	0.12	0.08	0.12	0.089
27692	0.0057	0.028	1.34	3.21	10	21.6	0.28	0.108	0.11	0.106

SAMPLE DESCRIPTION	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm
27658	12.1	5.81	22.4	0.353	20.2	1.41	3.82	0.021	0.014	0.018
27589										
27661	11	3.19	15.85	0.541	3.55	1.2	3.66	0.017	0.018	0.026
27662	11.7	5.18	23.9	0.77	10.4	1.45	3.34	0.021	0.005	0.027
27663	11.85	8.72	35.1	0.436	26.1	2.53	4.07	0.022	0.058	0.04
27664	12.55	4.24	27.1	0.348	13.95	1.84	4.03	0.019	0.026	0.026
27665	16.4	4.64	21.3	0.419	9.02	1.32	3	0.021	0.023	0.052
27668	9.97	3.82	23.4	0.416	7.87	2.49	6.19	0.02	0.023	0.015
27690	22.5	13.6	57.1	0.697	34	2.21	3.62	0.029	0.059	0.024
27695	18.5	6.55	26.1	0.989	27.9	1.55	3.24	0.033	0.044	0.036
27694	11.25	4.93	37	1.36	6.6	1.44	3.66	0.026	0.013	0.024
27696	20.5	9.33	35.9	0.665	35.3	2.18	3.17	0.036	0.104	0.038
62753	24.3	16.75	51.8	0.731	61.2	2.9	4.07	0.042	0.068	0.054
62763	26.5	4.36	19.4	1.23	5.5	0.95	2.48	0.041	0.007	0.025
62764	14.4	3.42	27	2.86	2.99	0.94	3.51	0.027	0.01	0.026
62766	13.25	5.78	33.6	1.115	3.92	1.4	4.31	0.025	0.035	0.043
62772	17	4.35	22.2	0.307	6.15	0.85	2.02	0.022	0.009	0.016
62774	17.5	9.43	39.7	0.491	32.2	3.49	5.1	0.034	0.02	0.025
62775	19	5.15	23.6	0.524	6.57	1.14	2.79	0.029	0.031	0.033
62777	24.1	4.98	19.2	0.508	17.45	1.29	2.74	0.032	0.009	0.043
62779	15	3.18	16.05	0.353	5.46	1.73	3.81	0.026	0.008	0.036
62781	18	6.37	25.7	0.574	26.5	1.53	4.11	0.037	0.016	0.032
62787	14.85	5.54	26.4	0.412	17.55	2.68	5.18	0.032	0.012	0.032
62788	15.95	3.12	18.35	0.591	5.95	1.6	4.23	0.026	0.015	0.042
62791	14	6.13	29.7	0.364	49.5	3.02	3.56	0.033	0.025	0.037
62794	12.2	1.26	9.93	0.198	4.36	1.23	4.62	0.023	0.006	0.03
62800	13.05	2.56	12.5	0.469	3.37	0.76	2.79	0.018	0.011	0.024
84803	16.65	3.13	24.1	0.574	4.11	1.86	5.35	0.029	0.047	0.041
84806	19.55	3.43	22.5	0.414	6.37	1.3	2.86	0.032	0.025	0.06
84814	13.45	2.37	17.05	0.421	3.55	1.46	4.94	0.024	0.028	0.046
84815	16.7	2.88	17	0.456	5.19	1.07	3.78	0.027	0.016	0.034
84822	20.3	3.97	26.7	0.591	8.65	1.88	4.22	0.031	0.087	0.024
84825	14.45	4.05	28	0.529	6.13	1.57	3.43	0.034	0.075	0.044
84828	15.95	3.01	19.8	0.581	3.21	1.31	4	0.024	0.033	0.023
84830	15.8	1.02	9.92	0.261	2.59	0.84	4.87	0.024	0.012	0.026
84835	15.75	4.63	28.2	0.519	8.4	1.31	3.28	0.029	0.031	0.039
84839	21.2	4.84	22.6	0.425	6.17	1.33	3.16	0.028	0.025	0.037
84840	19.45	4.27	21.3	0.529	5.41	1.11	3.42	0.029	0.034	0.048
84845	18.4	2.83	18.3	0.686	8.14	0.89	3.32	0.031	0.031	0.016
84848	18.25	3.51	23.4	0.37	7.38	1.17	2.42	0.031	0.07	0.056
84857	15.45	3.49	23.4	0.527	6.33	1.9	4.46	0.025	0.051	0.05
84860	14.3	4.63	22.8	0.522	5.13	1.41	4.31	0.025	0.051	0.043
84861	15.55	2.77	30.5	0.452	5.32	1.58	4.85	0.026	0.04	0.043
84863	18.7	4.58	20.9	0.6	4.87	1.22	3.63	0.024	0.031	0.041
84865	20.6	5.55	19.45	0.797	12.15	1.71	4.21	0.03	0.025	0.038
84870	12.65	3.68	26.1	0.398	5.14	2.24	5.45	0.053	0.036	0.045
84871	14.05	5.13	16.1	0.563	4.21	0.9	2.39	0.032	0.013	0.037
84875	19.05	5.21	26	0.656	5.53	1.29	2.76	0.047	0.019	0.037
84885	19.15	6.91	26.4	0.481	5.18	1.38	3.5	0.043	0.029	0.03
84890	15	5.41	28.6	0.464	13.3	1.91	3.53	0.042	0.043	0.057
85555	11.2	3.02	17.85	0.449	5.06	1.39	4.03	0.036	0.034	0.035
85556	15.95	3.88	19.8	0.367	3.61	1.17	3.5	0.041	0.032	0.033
85565	13.15	3.69	24.9	0.513	2.48	1.31	4.79	0.037	0.037	0.023
27659	14.75	5.07	18.8	0.718	13.1	1.24	4.31	0.04	0.007	0.017
27669	12.65	2.95	20.7	0.433	4.15	1.73	3.04	0.033	0.039	0.017
27692	12.6	8.45	77.2	1.37	14.45	2.31	4.41	0.04	0.048	0.04

SAMPLE DESCRIPTION	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
27658	0.016	0.02	5.98	8.2	0.23	83.2	0.35	0.004	1.175	18.6
27589										
27661	0.011	0.02	5.06	6.5	0.1	51.5	0.31	0.003	1.445	14.15
27662	0.019	0.02	6.78	6.3	0.21	471	0.25	0.003	0.912	20.5
27663	0.028	0.02	5.02	10.3	0.26	124	0.47	0.005	1.375	26.4
27664	0.014	0.02	4.63	7.2	0.2	104.5	0.35	0.005	1.405	18.85
27665	0.013	0.02	5.61	6.3	0.17	103	0.27	0.004	1.305	23.6
27668	0.013	0.02	4.69	5.1	0.15	94.1	0.54	0.003	1.635	10.3
27690	0.02	0.02	5.55	9.9	0.54	216	0.33	0.007	0.827	50
27695	0.018	0.02	7.76	9.1	0.19	79	1.53	0.008	1.18	21.7
27694	0.011	0.02	5.12	7.5	0.18	150.5	0.51	0.008	1.03	20.8
27696	0.019	0.02	5.37	10.9	0.34	155	0.69	0.065	0.971	25.9
62753	0.034	0.02	7.55	11.8	0.58	377	0.61	0.026	1.01	66.7
62763	0.008	0.02	8.24	6.7	0.19	126	1.65	0.01	0.941	18.2
62764	0.009	0.03	6.69	7.4	0.15	134	0.32	0.008	0.931	15.3
62766	0.008	0.02	6.18	8.9	0.15	69.3	0.46	0.01	1.26	25.4
62772	0.005	0.01	8.01	6.8	0.21	72.9	0.19	0.011	0.657	15.85
62774	0.037	0.02	5.33	13	0.37	190.5	0.52	0.03	0.902	21.4
62775	0.011	0.02	7.64	7.7	0.15	75.4	0.23	0.011	1.205	17.55
62777	0.011	0.02	9.7	8.6	0.18	328	0.23	0.01	0.881	18.2
62779	0.009	0.02	7.12	6.8	0.12	236	0.33	0.042	1.19	10.25
62781	0.021	0.02	12.3	11.5	0.23	380	0.42	0.01	0.778	21.6
62787	0.037	0.02	7.07	9.4	0.22	197.5	0.62	0.029	0.844	14.25
62788	0.015	0.02	6.65	6.5	0.13	95.2	0.32	0.036	1.205	9.02
62791	0.034	0.01	6.3	10.7	0.44	200	0.59	0.009	0.494	19.45
62794	0.012	0.02	6.22	2.8	0.06	85.9	0.38	0.028	1.08	3.86
62800	0.006	0.02	6.27	4.3	0.09	102	0.2	0.007	0.825	6.38
84803	0.018	0.03	7.81	10.2	0.16	121.5	0.44	0.009	1.8	12.2
84806	0.013	0.02	7.64	6.9	0.16	121.5	0.27	0.01	1.315	12.95
84814	0.011	0.03	6.63	6.6	0.09	84.6	0.31	0.008	1.4	7.77
84815	0.011	0.02	8.39	6.1	0.1	230	0.26	0.009	1.075	9.16
84822	0.016	0.02	8.35	7.4	0.15	56.8	0.29	0.011	1.65	18.9
84825	0.011	0.03	7.41	8.3	0.16	53.8	0.24	0.012	1.385	21.9
84828	0.009	0.02	7.43	7.3	0.14	83	0.24	0.01	1.305	10.55
84830	0.005	0.02	7.64	3.9	0.06	47.7	0.19	0.009	1.04	3.67
84835	0.01	0.02	7.28	7.8	0.19	74.6	0.26	0.01	1.195	20.7
84839	0.009	0.03	7.28	7.3	0.15	78.7	0.25	0.01	1.3	15.9
84840	0.008	0.02	8.36	7.1	0.16	58.3	0.26	0.01	1.205	13.55
84845	0.006	0.02	8.34	8.5	0.19	63.6	0.14	0.011	1.09	11.3
84848	0.012	0.02	7.62	7.3	0.17	86.7	0.23	0.012	1.295	13.55
84857	0.018	0.02	6.82	7.2	0.13	82.9	0.43	0.01	1.775	12.75
84860	0.011	0.02	6.78	7.7	0.14	52.4	0.34	0.01	1.18	17.2
84861	0.013	0.02	7.6	7.6	0.14	59.2	0.32	0.01	1.43	10.3
84863	0.011	0.02	8.21	7.4	0.15	53.5	0.28	0.011	1.24	20.4
84865	0.018	0.03	7.72	7.9	0.18	130.5	0.3	0.013	1.175	19.4
84870	0.023	0.02	5.21	6.5	0.14	133	0.47	0.006	2.44	9.18
84871	0.008	0.02	6.07	4.2	0.09	314	0.31	0.006	1.32	8.98
84875	0.011	0.02	7.1	6.9	0.18	60.6	0.22	0.008	1.635	23
84885	0.014	0.02	7.82	7.3	0.16	66	0.26	0.009	1.86	19.8
84890	0.015	0.02	6.18	8	0.21	130	0.31	0.007	1.62	27.7
85555	0.008	0.02	5.47	5.8	0.1	50.3	0.24	0.007	1.525	9.19
85556	0.009	0.02	6.43	6.5	0.14	109	0.21	0.007	1.725	12.65
85565	0.011	0.02	6.34	6.4	0.11	55.6	0.22	0.008	1.86	18.85
27659	0.013	0.02	7.28	7.7	0.2	241	0.41	0.007	1.08	10.15
27669	0.009	0.02	5.85	5	0.14	47.2	0.28	0.006	1.75	15.95
27692	0.018	0.02	4.9	11.2	0.36	111	0.56	0.009	1.44	51.1

SAMPLE+A181:K229 DESCRIPTION	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	
27658	0.016	8.95	<0.001	<0.001		2.15	<0.001	0.01	0.075	1.565	0.2
27589											
27661	0.012	6.15	<0.001	<0.001		2.77	<0.001	0.01	0.035	0.925	0.2
27662	0.019	6.9	<0.001		0.001	4.84	<0.001	0.01	0.066	1.135	0.2
27663	0.025	20.2	<0.001		0.001	2.64	<0.001	0.02	0.176	2.4	0.4
27664	0.022	11.35	<0.001		0.001	2.61	<0.001	0.01	0.16	1.235	0.2
27665	0.017	19.5	<0.001		0.001	2.82	<0.001	0.01	0.058	1.2	0.2
27668	0.012	14.8	<0.001		0.001	3.36	<0.001	<0.01	0.253	1.05	0.1
27690	0.03	21.3	<0.001		0.001	3.37	<0.001	0.01	0.081	2.74	0.3
27695	0.019	10.95	<0.001		0.001	3.36	<0.001	0.02	0.059	1.34	0.3
27694	0.022	4.81	<0.001	<0.001		7.65	<0.001	0.02	0.046	0.875	0.2
27696	0.027	11.15	<0.001		0.001	3.17	<0.001	0.08	0.1	2.06	0.5
62753	0.041	46.3		0.001	0.001	3.58	<0.001	0.05	0.131	2.06	0.8
62763	0.023	3.92	<0.001		0.001	5.66	<0.001	0.02	0.025	1.005	0.2
62764	0.018	3.73	<0.001	<0.001		11.8	<0.001	0.01	0.039	0.884	0.1
62766	0.013	5.39	<0.001	<0.001		4.3	<0.001	0.02	0.05	1.08	0.3
62772	0.016	4.42	<0.001	<0.001		2.35	<0.001	0.01	0.018	1.06	0.1
62774	0.022	13.65	<0.001		0.001	3.48	<0.001	0.04	0.272	2.3	0.3
62775	0.036	5.08	<0.001	<0.001		3.2	<0.001	0.02	0.056	1.26	0.4
62777	0.017	4.47	<0.001		0.001	3.11	<0.001	0.02	0.052	1.28	0.3
62779	0.024	7.32	<0.001	<0.001		3.42	<0.001	0.06	0.106	0.826	0.3
62781	0.019	10.75	<0.001	<0.001		3.8	<0.001	0.02	0.094	1.745	0.3
62787	0.028	101	<0.001		0.001	3.62	<0.001	0.04	0.172	1.415	0.4
62788	0.02	32	<0.001		0.001	2.93	<0.001	0.05	0.07	0.925	0.3
62791	0.017	113.5	<0.001	<0.001		2.12	<0.001	0.02	0.128	2.25	0.5
62794	0.012	22.6	<0.001		0.001	2.1	<0.001	0.04	0.104	0.522	0.2
62800	0.011	12.6	<0.001	<0.001		3.75	<0.001	0.01	0.034	0.753	0.1
84803	0.026	8.22	<0.001	<0.001		4.68	<0.001	0.02	0.062	1.295	0.4
84806	0.032	7.76	<0.001	<0.001		3.75	<0.001	0.03	0.034	1.155	0.3
84814	0.019	14.3	<0.001	<0.001		3.2	<0.001	0.02	0.048	0.947	0.3
84815	0.017	10.7	<0.001		0.001	3.5	<0.001	0.02	0.036	1.005	0.2
84822	0.024	7.94	<0.001	<0.001		2.8	<0.001	0.02	0.037	1.495	0.3
84825	0.042	4.28	<0.001	<0.001		3.04	<0.001	0.03	0.042	1.77	0.4
84828	0.018	8.01	<0.001	<0.001		3.62	<0.001	0.02	0.033	1.055	0.2
84830	0.01	6.44		0.001	<0.001	2.62	<0.001	0.02	0.026	0.712	0.2
84835	0.018	4.93	<0.001		0.001	3.2	<0.001	0.02	0.047	1.255	0.2
84839	0.029	7.03	<0.001		0.001	3.13	<0.001	0.02	0.078	1.06	0.3
84840	0.015	5.71	<0.001	<0.001		3.89	<0.001	0.02	0.033	1.345	0.3
84845	0.01	5.41	<0.001	<0.001		3.88	<0.001	0.01	0.026	1.185	0.1
84848	0.027	13.7	<0.001	<0.001		2.91	<0.001	0.02	0.059	1.36	0.4
84857	0.027	14.05	<0.001	<0.001		3.62	<0.001	0.03	0.085	1.15	0.4
84860	0.025	6.6	<0.001	<0.001		3.87	<0.001	0.03	0.032	1.375	0.3
84861	0.019	6.09	<0.001	<0.001		2.99	<0.001	0.02	0.045	1.17	0.3
84863	0.017	5.22	<0.001		0.001	3.36	<0.001	0.02	0.034	1.21	0.2
84865	0.017	4.13		0.001	0.001	6.3	<0.001	0.02	0.053	1.485	0.3
84870	0.021	9.4	<0.001	<0.001		2.6	<0.001	0.05	0.061	1.32	0.3
84871	0.016	6.05	<0.001	<0.001		3.04	<0.001	0.04	0.027	0.753	0.2
84875	0.029	4.46	<0.001	<0.001		3.15	<0.001	0.04	0.033	1.31	0.3
84885	0.027	4.65	<0.001	<0.001		3.34	<0.001	0.04	0.035	1.355	0.3
84890	0.026	16.25	<0.001		0.001	2.79	<0.001	0.04	0.086	1.33	0.4
85555	0.017	7.92	<0.001	<0.001		2.77	<0.001	0.07	0.037	1.08	0.2
85556	0.02	5.94	<0.001	<0.001		2.52	<0.001	0.05	0.05	0.994	0.3
85565	0.014	5.71	<0.001	<0.001		2.8	<0.001	0.04	0.027	1.115	0.2
27659	0.013	9.37	<0.001	<0.001		3.37	<0.001	0.04	0.061	1.205	0.1
27669	0.016	17.45	<0.001	<0.001		2.54	<0.001	0.04	0.043	0.709	0.1
27692	0.025	13.2		0.001	0.001	4.11	<0.001	0.06	0.089	1.715	0.3

SAMPLE DESCRIPTION	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm
27658	0.33	6.97	<0.005	0.03	1.655	0.035	0.034	0.265	24.5	0.077
27589										
27661	0.29	6.17	<0.005	0.01	1.53	0.042	0.027	0.214	17.2	0.058
27662	0.29	6.06	<0.005	0.03	1.045	0.037	0.029	0.245	19.2	0.055
27663	0.33	5.2	<0.005	0.07	1.71	0.048	0.036	0.236	33.6	0.217
27664	0.32	4.81	<0.005	0.05	1.485	0.052	0.037	0.192	26.4	0.089
27665	0.25	5.24	<0.005	0.02	1.965	0.045	0.032	0.251	17.7	0.074
27668	0.47	6.4	<0.005	0.05	1.53	0.078	0.028	0.177	39.9	0.101
27690	0.25	4.9	<0.005	0.08	1.825	0.054	0.031	0.253	34.6	0.13
27695	0.31	5.79	<0.005	0.05	2.04	0.047	0.037	0.293	25.4	0.104
27694	0.32	7.15	<0.005	0.03	1.18	0.05	0.027	0.218	23.7	0.075
27696	0.27	4.58	<0.005	0.08	1.985	0.052	0.034	0.28	28.3	0.127
62753	0.38	7.45	<0.005	0.16	1.68	0.04	0.046	0.348	29.8	0.135
62763	0.22	8.45	<0.005	0.01	1.295	0.039	0.029	0.337	17.3	0.058
62764	0.31	6.76	<0.005	0.01	1.61	0.043	0.028	0.252	16.8	0.054
62766	0.37	7.39	<0.005	0.02	1.81	0.058	0.033	0.242	25.8	0.068
62772	0.2	7.61	<0.005	0.01	1.66	0.036	0.022	0.263	17.3	0.052
62774	0.33	6.44	<0.005	0.16	1.16	0.051	0.033	0.202	50.7	0.094
62775	0.26	6.19	<0.005	0.02	1.99	0.044	0.03	0.314	20.2	0.066
62777	0.3	7.57	<0.005	0.02	1.715	0.046	0.045	0.353	17.2	0.055
62779	0.35	7.55	<0.005	0.04	1.185	0.051	0.033	0.273	22	0.071
62781	0.44	6.87	<0.005	0.02	1.315	0.032	0.066	0.342	21.9	0.076
62787	0.48	9.26	<0.005	0.13	1.235	0.034	0.039	0.245	33.1	0.09
62788	0.36	5.94	<0.005	0.04	1.415	0.051	0.028	0.239	24.4	0.13
62791	0.25	6.23	<0.005	0.11	1.25	0.027	0.036	0.245	26.9	0.073
62794	0.48	5.62	<0.005	0.04	1.305	0.043	0.03	0.201	23.8	0.065
62800	0.27	6.63	<0.005	0.01	1.555	0.036	0.027	0.21	14.4	0.051
84803	0.48	7.61	<0.005	0.03	2.07	0.066	0.033	0.312	28.7	0.082
84806	0.26	10.4	<0.005	0.02	1.415	0.048	0.029	0.31	19.7	0.063
84814	0.45	6.31	<0.005	0.02	1.69	0.053	0.027	0.228	26	0.066
84815	0.39	6.28	<0.005	0.02	1.9	0.045	0.041	0.253	18.9	0.056
84822	0.34	8.17	<0.005	0.02	2.46	0.062	0.035	0.334	29.8	0.073
84825	0.24	6.1	<0.005	0.01	2.01	0.049	0.027	0.299	23.8	0.049
84828	0.35	6.79	<0.005	0.02	2.03	0.054	0.026	0.251	23.1	0.074
84830	0.44	5.86	<0.005	0.01	1.915	0.043	0.025	0.238	21.1	0.03
84835	0.33	6.22	<0.005	0.02	1.9	0.051	0.03	0.267	21.5	0.07
84839	0.31	6.54	<0.005	0.03	1.755	0.048	0.031	0.275	21.4	0.076
84840	0.36	7.13	<0.005	0.01	2.43	0.055	0.036	0.322	19.9	0.066
84845	0.31	7.88	<0.005	0.01	2.25	0.058	0.03	0.289	17.2	0.042
84848	0.26	5.91	<0.005	0.02	2.34	0.05	0.031	0.296	18.8	0.068
84857	0.4	5.75	<0.005	0.04	2.03	0.063	0.031	0.297	26.8	0.09
84860	0.38	5.42	<0.005	0.01	2.01	0.053	0.035	0.279	24.2	0.063
84861	0.36	6.37	<0.005	0.01	2.09	0.054	0.026	0.294	26.7	0.058
84863	0.33	6.54	<0.005	0.01	2.01	0.051	0.031	0.291	19.9	0.061
84865	0.35	6.39	<0.005	0.03	2.01	0.058	0.043	0.28	27	0.064
84870	0.44	6.62	<0.005	0.02	1.3	0.068	0.035	0.257	30.7	0.087
84871	0.3	5.04	<0.005	0.01	1.375	0.042	0.036	0.264	14.5	0.053
84875	0.25	6.81	<0.005	0.01	1.715	0.05	0.034	0.298	19.4	0.057
84885	0.32	6.73	<0.005	0.01	2.14	0.051	0.035	0.294	23.1	0.082
84890	0.29	5.74	<0.005	0.02	1.84	0.049	0.035	0.259	23.7	0.073
85555	0.35	4.63	<0.005	0.01	1.615	0.05	0.027	0.214	24.6	0.051
85556	0.33	4.84	<0.005	0.01	2.17	0.047	0.031	0.262	20.2	0.053
85565	0.36	6.45	<0.005	0.01	1.95	0.054	0.024	0.251	23.3	0.055
27659	0.38	6.53	<0.005	0.03	1.285	0.044	0.034	0.236	26.1	0.067
27669	0.37	6.61	<0.005	0.02	1.85	0.064	0.021	0.213	28.5	0.077
27692	0.39	6.6	<0.005	0.07	1.355	0.054	0.035	0.233	35.7	0.12

SAMPLE DESCRIPTION	Y ppm	Zn ppm	Zr ppm
27658	1.905	59.4	0.67
27589			
27661	1.265	84	0.73
27662	2.25	192.5	0.25
27663	1.97	117.5	2.16
27664	1.27	160	1.1
27665	1.53	126.5	0.94
27668	1.005	105	0.95
27690	3.28	95.7	2.39
27695	2.88	70.4	1.21
27694	1.37	49.1	0.47
27696	2.38	72.4	2.7
62753	3.66	193.5	1.48
62763	2.8	33.2	0.27
62764	1.52	50.7	0.37
62766	1.495	17.3	0.97
62772	2.45	15	0.38
62774	2.39	178	0.65
62775	2.26	55.5	0.86
62777	3.68	75.9	0.31
62779	1.78	53.1	0.3
62781	4.29	173.5	0.38
62787	1.995	901	0.37
62788	1.61	278	0.48
62791	2.29	730	0.8
62794	0.964	83.9	0.27
62800	1.38	152.5	0.35
84803	2.1	138	1.4
84806	2.33	86.1	0.68
84814	1.4	113	0.74
84815	2.12	151.5	0.57
84822	2.52	35.8	2.28
84825	2.74	24.7	1.9
84828	1.66	93.8	0.93
84830	1.32	37.3	0.46
84835	1.97	20	0.79
84839	1.9	42	0.81
84840	2.09	35.1	1.1
84845	2.01	71.1	0.89
84848	2.16	123	1.59
84857	1.77	84.8	1.54
84860	2.04	45.8	1.32
84861	1.82	25.2	1.09
84863	2.25	25.3	0.91
84865	2.42	17.2	0.84
84870	1.71	90.4	1.22
84871	1.685	108.5	0.48
84875	2.55	57.6	0.82
84885	2.28	43.1	1.16
84890	1.7	118	1.54
85555	1.565	62	1.34
85556	1.465	27.1	1.44
85565	1.595	51.9	1.49
27659	1.745	87.6	0.33
27669	1.385	97.6	1.5
27692	1.685	68.4	1.86



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Page: 1
Total # Pages: 3 (A - D)
Plus Appendix Pages
Finalized Date: 29-MAR-2019
Account: RMLMUKFU

CERTIFICATE SD19059628

Project: Cunningham

This report is for 56 Soil samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2019.

The following have access to data associated with this certificate:

ROBERT MACGREGOR

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
AuME-ST43	25g Super Trace Au + Multi Element PKG

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: ROBERT MACGREGOR
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 SAULT STE. MARIE ON P6A 4N4

Page: 2 - A
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	WEI-21	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.0001	0.001	0.01	0.01	10	0.5	0.01	0.001	0.01	0.001	0.003	0.001	0.01	0.005
27658		0.59	0.0051	0.034	0.98	4.77	10	26.5	0.22	0.073	0.20	0.110	12.10	5.81	22.4	0.353
27589		Not Recvd														
27661		0.41	0.0020	0.145	1.00	4.95	10	19.9	0.18	0.064	0.11	0.107	11.00	3.19	15.85	0.541
27662		0.57	0.0008	0.267	0.81	4.99	10	31.1	0.18	0.087	0.20	0.343	11.70	5.18	23.9	0.770
27663		0.54	0.0013	0.063	1.82	11.15	10	24.8	0.28	0.091	0.08	0.123	11.85	8.72	35.1	0.436
27664		0.42	0.0010	0.152	1.01	7.07	10	24.2	0.17	0.091	0.09	0.207	12.55	4.24	27.1	0.348
27665		0.48	0.0057	0.243	1.19	3.08	10	26.7	0.26	0.060	0.09	0.147	16.40	4.64	21.3	0.419
27668		0.54	0.0008	0.080	0.69	8.41	10	17.4	0.12	0.100	0.14	0.197	9.97	3.82	23.4	0.416
27690		0.44	0.0041	0.039	1.62	4.48	10	17.2	0.28	0.073	0.12	0.105	22.5	13.60	57.1	0.697
27695		0.41	0.0031	0.101	1.15	2.41	10	20.8	0.25	0.088	0.09	0.082	18.50	6.55	26.1	0.989
27694		0.31	0.0013	0.080	0.87	1.30	10	22.5	0.19	0.076	0.15	0.117	11.25	4.93	37.0	1.360
27696		0.30	0.0033	0.048	1.48	3.90	10	14.2	0.32	0.090	0.08	0.094	20.5	9.33	35.9	0.665
62753		0.28	0.0033	0.125	1.76	4.48	10	23.8	0.47	0.143	0.10	0.255	24.3	16.75	51.8	0.731
62763		0.54	0.0011	0.153	0.76	1.16	10	33.7	0.19	0.054	0.17	0.071	26.5	4.36	19.40	1.230
62764		0.45	0.0003	0.191	0.78	0.91	10	31.6	0.21	0.069	0.08	0.084	14.40	3.42	27.0	2.86
62766		0.28	0.0007	0.097	1.14	1.23	10	31.6	0.24	0.076	0.09	0.040	13.25	5.78	33.6	1.115
62772		0.37	0.0008	0.024	0.68	0.78	10	25.4	0.13	0.039	0.12	0.027	17.00	4.35	22.2	0.307
62774		0.26	0.0026	0.039	1.18	20.4	10	25.3	0.24	0.128	0.22	0.181	17.50	9.43	39.7	0.491
62775		0.31	0.0016	0.169	1.46	2.33	10	21.9	0.29	0.061	0.11	0.072	19.00	5.15	23.6	0.524
62777		0.49	0.0014	0.196	1.00	2.71	10	38.0	0.20	0.069	0.13	0.128	24.1	4.98	19.20	0.508
62779		0.34	0.0014	0.116	0.81	3.57	10	33.3	0.19	0.096	0.12	0.121	15.00	3.18	16.05	0.353
62781		0.30	0.0007	0.215	1.39	2.82	10	46.4	0.41	0.115	0.12	0.146	18.00	6.37	25.7	0.574
62787		0.45	0.0006	0.257	1.11	9.94	10	31.9	0.21	0.147	0.17	0.914	14.85	5.54	26.4	0.412
62788		0.30	0.0013	0.269	0.94	2.45	10	26.6	0.17	0.085	0.10	0.680	15.95	3.12	18.35	0.591
62791		0.54	0.0019	0.080	1.45	6.80	10	12.5	0.20	0.094	0.15	0.645	14.00	6.13	29.7	0.364
62794		0.16	0.0027	0.198	0.49	2.07	10	17.1	0.09	0.108	0.08	0.292	12.20	1.260	9.93	0.198
62800		0.42	0.0009	0.239	0.88	0.71	10	30.0	0.18	0.060	0.11	0.287	13.05	2.56	12.50	0.469
84803		0.39	0.0014	0.156	1.22	1.72	10	25.0	0.22	0.095	0.15	0.263	16.65	3.13	24.1	0.574
84806		0.42	0.0015	0.241	1.35	1.57	10	30.9	0.29	0.063	0.22	0.252	19.55	3.43	22.5	0.414
84814		0.29	0.0005	0.118	1.18	1.39	10	25.8	0.20	0.089	0.08	0.155	13.45	2.37	17.05	0.421
84815		0.29	0.0010	0.310	1.16	1.07	10	28.1	0.21	0.076	0.08	0.178	16.70	2.88	17.00	0.456
84822		0.31	0.0007	0.051	1.48	1.68	10	29.4	0.22	0.076	0.13	0.063	20.3	3.97	26.7	0.591
84825		0.24	0.0006	0.137	2.09	1.54	10	20.7	0.37	0.052	0.12	0.049	14.45	4.05	28.0	0.529
84828		0.24	0.0007	0.059	0.92	1.07	10	24.6	0.19	0.077	0.09	0.137	15.95	3.01	19.80	0.581
84830		0.31	0.0004	0.214	0.61	0.49	10	20.0	0.13	0.077	0.09	0.132	15.80	1.020	9.92	0.261
84835		0.43	0.0004	0.129	1.08	1.75	10	27.5	0.17	0.063	0.10	0.057	15.75	4.63	28.2	0.519
84839		0.35	0.0004	0.042	1.26	2.25	10	21.5	0.24	0.071	0.11	0.105	21.2	4.84	22.6	0.425
84840		0.37	0.0013	0.099	1.39	1.00	10	32.2	0.27	0.065	0.09	0.066	19.45	4.27	21.3	0.529
84845		0.46	0.0007	0.114	0.76	0.71	10	24.1	0.10	0.060	0.14	0.071	18.40	2.83	18.30	0.686
84848		0.23	0.0008	0.620	1.53	2.11	10	17.7	0.26	0.057	0.09	0.286	18.25	3.51	23.4	0.370



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 SAULT STE. MARIE ON P6A 4N4

Page: 2 - B
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
27658		20.2	1.410	3.82	0.021	0.014	0.018	0.016	0.02	5.98	8.2	0.23	83.2	0.35	0.004	1.175
27589																
27661		3.55	1.200	3.66	0.017	0.018	0.026	0.011	0.02	5.06	6.5	0.10	51.5	0.31	0.003	1.445
27662		10.40	1.450	3.34	0.021	0.005	0.027	0.019	0.02	6.78	6.3	0.21	471	0.25	0.003	0.912
27663		26.1	2.53	4.07	0.022	0.058	0.040	0.028	0.02	5.02	10.3	0.26	124.0	0.47	0.005	1.375
27664		13.95	1.840	4.03	0.019	0.026	0.026	0.014	0.02	4.63	7.2	0.20	104.5	0.35	0.005	1.405
27665		9.02	1.320	3.00	0.021	0.023	0.052	0.013	0.02	5.61	6.3	0.17	103.0	0.27	0.004	1.305
27668		7.87	2.49	6.19	0.020	0.023	0.015	0.013	0.02	4.69	5.1	0.15	94.1	0.54	0.003	1.635
27690		34.0	2.21	3.62	0.029	0.059	0.024	0.020	0.02	5.55	9.9	0.54	216	0.33	0.007	0.827
27695		27.9	1.550	3.24	0.033	0.044	0.036	0.018	0.02	7.76	9.1	0.19	79.0	1.53	0.008	1.180
27694		6.60	1.440	3.66	0.026	0.013	0.024	0.011	0.02	5.12	7.5	0.18	150.5	0.51	0.008	1.030
27696		35.3	2.18	3.17	0.036	0.104	0.038	0.019	0.02	5.37	10.9	0.34	155.0	0.69	0.065	0.971
62753		61.2	2.90	4.07	0.042	0.068	0.054	0.034	0.02	7.55	11.8	0.58	377	0.61	0.026	1.010
62763		5.50	0.950	2.48	0.041	0.007	0.025	0.008	0.02	8.24	6.7	0.19	126.0	1.65	0.010	0.941
62764		2.99	0.940	3.51	0.027	0.010	0.026	0.009	0.03	6.69	7.4	0.15	134.0	0.32	0.008	0.931
62766		3.92	1.400	4.31	0.025	0.035	0.043	0.008	0.02	6.18	8.9	0.15	69.3	0.46	0.010	1.260
62772		6.15	0.850	2.02	0.022	0.009	0.016	0.005	0.01	8.01	6.8	0.21	72.9	0.19	0.011	0.657
62774		32.2	3.49	5.10	0.034	0.020	0.025	0.037	0.02	5.33	13.0	0.37	190.5	0.52	0.030	0.902
62775		6.57	1.140	2.79	0.029	0.031	0.033	0.011	0.02	7.64	7.7	0.15	75.4	0.23	0.011	1.205
62777		17.45	1.290	2.74	0.032	0.009	0.043	0.011	0.02	9.70	8.6	0.18	328	0.23	0.010	0.881
62779		5.46	1.730	3.81	0.026	0.008	0.036	0.009	0.02	7.12	6.8	0.12	236	0.33	0.042	1.190
62781		26.5	1.530	4.11	0.037	0.016	0.032	0.021	0.02	12.30	11.5	0.23	380	0.42	0.010	0.778
62787		17.55	2.68	5.18	0.032	0.012	0.032	0.037	0.02	7.07	9.4	0.22	197.5	0.62	0.029	0.844
62788		5.95	1.600	4.23	0.026	0.015	0.042	0.015	0.02	6.65	6.5	0.13	95.2	0.32	0.036	1.205
62791		49.5	3.02	3.56	0.033	0.025	0.037	0.034	0.01	6.30	10.7	0.44	200	0.59	0.009	0.494
62794		4.36	1.230	4.62	0.023	0.006	0.030	0.012	0.02	6.22	2.8	0.06	85.9	0.38	0.028	1.080
62800		3.37	0.760	2.79	0.018	0.011	0.024	0.006	0.02	6.27	4.3	0.09	102.0	0.20	0.007	0.825
84803		4.11	1.860	5.35	0.029	0.047	0.041	0.018	0.03	7.81	10.2	0.16	121.5	0.44	0.009	1.800
84806		6.37	1.300	2.86	0.032	0.025	0.060	0.013	0.02	7.64	6.9	0.16	121.5	0.27	0.010	1.315
84814		3.55	1.460	4.94	0.024	0.028	0.046	0.011	0.03	6.63	6.6	0.09	84.6	0.31	0.008	1.400
84815		5.19	1.070	3.78	0.027	0.016	0.034	0.011	0.02	8.39	6.1	0.10	230	0.26	0.009	1.075
84822		8.65	1.880	4.22	0.031	0.087	0.024	0.016	0.02	8.35	7.4	0.15	56.8	0.29	0.011	1.650
84825		6.13	1.570	3.43	0.034	0.075	0.044	0.011	0.03	7.41	8.3	0.16	53.8	0.24	0.012	1.385
84828		3.21	1.310	4.00	0.024	0.033	0.023	0.009	0.02	7.43	7.3	0.14	83.0	0.24	0.010	1.305
84830		2.59	0.840	4.87	0.024	0.012	0.026	0.005	0.02	7.64	3.9	0.06	47.7	0.19	0.009	1.040
84835		8.40	1.310	3.28	0.029	0.031	0.039	0.010	0.02	7.28	7.8	0.19	74.6	0.26	0.010	1.195
84839		6.17	1.330	3.16	0.028	0.025	0.037	0.009	0.03	7.28	7.3	0.15	78.7	0.25	0.010	1.300
84840		5.41	1.110	3.42	0.029	0.034	0.048	0.008	0.02	8.36	7.1	0.16	58.3	0.26	0.010	1.205
84845		8.14	0.890	3.32	0.031	0.031	0.016	0.006	0.02	8.34	8.5	0.19	63.6	0.14	0.011	1.090
84848		7.38	1.170	2.42	0.031	0.070	0.056	0.012	0.02	7.62	7.3	0.17	86.7	0.23	0.012	1.295



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To: **ROBERT MACGREGOR**
28 FORD STREET
SAULT STE. MARIE ON P6A 4N4

Page: 2 - C
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43 Ni ppm	AuME-ST43 P %	AuME-ST43 Pb ppm	AuME-ST43 Pd ppm	AuME-ST43 Pt ppm	AuME-ST43 Rb ppm	AuME-ST43 Re ppm	AuME-ST43 S %	AuME-ST43 Sb ppm	AuME-ST43 Sc ppm	AuME-ST43 Se ppm	AuME-ST43 Sn ppm	AuME-ST43 Sr ppm	AuME-ST43 Ta ppm	AuME-ST43 Te ppm
		0.04	0.001	0.005	0.001	0.001	0.005	0.001	0.01	0.005	0.005	0.1	0.01	0.01	0.005	0.01
27658		18.60	0.016	8.95	<0.001	<0.001	2.15	<0.001	0.01	0.075	1.565	0.2	0.33	6.97	<0.005	0.03
27589																
27661		14.15	0.012	6.15	<0.001	<0.001	2.77	<0.001	0.01	0.035	0.925	0.2	0.29	6.17	<0.005	0.01
27662		20.5	0.019	6.90	<0.001	0.001	4.84	<0.001	0.01	0.066	1.135	0.2	0.29	6.06	<0.005	0.03
27663		26.4	0.025	20.2	<0.001	0.001	2.64	<0.001	0.02	0.176	2.40	0.4	0.33	5.20	<0.005	0.07
27664		18.85	0.022	11.35	<0.001	0.001	2.61	<0.001	0.01	0.160	1.235	0.2	0.32	4.81	<0.005	0.05
27665		23.6	0.017	19.50	<0.001	0.001	2.82	<0.001	0.01	0.058	1.200	0.2	0.25	5.24	<0.005	0.02
27668		10.30	0.012	14.80	<0.001	0.001	3.36	<0.001	<0.01	0.253	1.050	0.1	0.47	6.40	<0.005	0.05
27690		50.0	0.030	21.3	<0.001	0.001	3.37	<0.001	0.01	0.081	2.74	0.3	0.25	4.90	<0.005	0.08
27695		21.7	0.019	10.95	<0.001	0.001	3.36	<0.001	0.02	0.059	1.340	0.3	0.31	5.79	<0.005	0.05
27694		20.8	0.022	4.81	<0.001	<0.001	7.65	<0.001	0.02	0.046	0.875	0.2	0.32	7.15	<0.005	0.03
27696		25.9	0.027	11.15	<0.001	0.001	3.17	<0.001	0.08	0.100	2.06	0.5	0.27	4.58	<0.005	0.08
62753		66.7	0.041	46.3	0.001	0.001	3.58	<0.001	0.05	0.131	2.06	0.8	0.38	7.45	<0.005	0.16
62763		18.20	0.023	3.92	<0.001	0.001	5.66	<0.001	0.02	0.025	1.005	0.2	0.22	8.45	<0.005	0.01
62764		15.30	0.018	3.73	<0.001	<0.001	11.80	<0.001	0.01	0.039	0.884	0.1	0.31	6.76	<0.005	0.01
62766		25.4	0.013	5.39	<0.001	<0.001	4.30	<0.001	0.02	0.050	1.080	0.3	0.37	7.39	<0.005	0.02
62772		15.85	0.016	4.42	<0.001	<0.001	2.35	<0.001	0.01	0.018	1.060	0.1	0.20	7.61	<0.005	0.01
62774		21.4	0.022	13.65	<0.001	0.001	3.48	<0.001	0.04	0.272	2.30	0.3	0.33	6.44	<0.005	0.16
62775		17.55	0.036	5.08	<0.001	<0.001	3.20	<0.001	0.02	0.056	1.260	0.4	0.26	6.19	<0.005	0.02
62777		18.20	0.017	4.47	<0.001	0.001	3.11	<0.001	0.02	0.052	1.280	0.3	0.30	7.57	<0.005	0.02
62779		10.25	0.024	7.32	<0.001	<0.001	3.42	<0.001	0.06	0.106	0.826	0.3	0.35	7.55	<0.005	0.04
62781		21.6	0.019	10.75	<0.001	<0.001	3.80	<0.001	0.02	0.094	1.745	0.3	0.44	6.87	<0.005	0.02
62787		14.25	0.028	101.0	<0.001	0.001	3.62	<0.001	0.04	0.172	1.415	0.4	0.48	9.26	<0.005	0.13
62788		9.02	0.020	32.0	<0.001	0.001	2.93	<0.001	0.05	0.070	0.925	0.3	0.36	5.94	<0.005	0.04
62791		19.45	0.017	113.5	<0.001	<0.001	2.12	<0.001	0.02	0.128	2.25	0.5	0.25	6.23	<0.005	0.11
62794		3.86	0.012	22.6	<0.001	0.001	2.10	<0.001	0.04	0.104	0.522	0.2	0.48	5.62	<0.005	0.04
62800		6.38	0.011	12.60	<0.001	<0.001	3.75	<0.001	0.01	0.034	0.753	0.1	0.27	6.63	<0.005	0.01
84803		12.20	0.026	8.22	<0.001	<0.001	4.68	<0.001	0.02	0.062	1.295	0.4	0.48	7.61	<0.005	0.03
84806		12.95	0.032	7.76	<0.001	<0.001	3.75	<0.001	0.03	0.034	1.155	0.3	0.26	10.40	<0.005	0.02
84814		7.77	0.019	14.30	<0.001	<0.001	3.20	<0.001	0.02	0.048	0.947	0.3	0.45	6.31	<0.005	0.02
84815		9.16	0.017	10.70	<0.001	0.001	3.50	<0.001	0.02	0.036	1.005	0.2	0.39	6.28	<0.005	0.02
84822		18.90	0.024	7.94	<0.001	<0.001	2.80	<0.001	0.02	0.037	1.495	0.3	0.34	8.17	<0.005	0.02
84825		21.9	0.042	4.28	<0.001	<0.001	3.04	<0.001	0.03	0.042	1.770	0.4	0.24	6.10	<0.005	0.01
84828		10.55	0.018	8.01	<0.001	<0.001	3.62	<0.001	0.02	0.033	1.055	0.2	0.35	6.79	<0.005	0.02
84830		3.67	0.010	6.44	0.001	<0.001	2.62	<0.001	0.02	0.026	0.712	0.2	0.44	5.86	<0.005	0.01
84835		20.7	0.018	4.93	<0.001	0.001	3.20	<0.001	0.02	0.047	1.255	0.2	0.33	6.22	<0.005	0.02
84839		15.90	0.029	7.03	<0.001	0.001	3.13	<0.001	0.02	0.078	1.060	0.3	0.31	6.54	<0.005	0.03
84840		13.55	0.015	5.71	<0.001	<0.001	3.89	<0.001	0.02	0.033	1.345	0.3	0.36	7.13	<0.005	0.01
84845		11.30	0.010	5.41	<0.001	<0.001	3.88	<0.001	0.01	0.026	1.185	0.1	0.31	7.88	<0.005	0.01
84848		13.55	0.027	13.70	<0.001	<0.001	2.91	<0.001	0.02	0.059	1.360	0.4	0.26	5.91	<0.005	0.02



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SAULT STE. MARIE ON P6A 4N4

Page: 2 - D
 Total # Pages: 3 (A - D)
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CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
		Th	Ti	Tl	U	V	W	Y	Zn	Zr
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
27658		1.655	0.035	0.034	0.265	24.5	0.077	1.905	59.4	0.67
27589										
27661		1.530	0.042	0.027	0.214	17.2	0.058	1.265	84.0	0.73
27662		1.045	0.037	0.029	0.245	19.2	0.055	2.25	192.5	0.25
27663		1.710	0.048	0.036	0.236	33.6	0.217	1.970	117.5	2.16
27664		1.485	0.052	0.037	0.192	26.4	0.089	1.270	160.0	1.10
27665		1.965	0.045	0.032	0.251	17.7	0.074	1.530	126.5	0.94
27668		1.530	0.078	0.028	0.177	39.9	0.101	1.005	105.0	0.95
27690		1.825	0.054	0.031	0.253	34.6	0.130	3.28	95.7	2.39
27695		2.04	0.047	0.037	0.293	25.4	0.104	2.88	70.4	1.21
27694		1.180	0.050	0.027	0.218	23.7	0.075	1.370	49.1	0.47
27696		1.985	0.052	0.034	0.280	28.3	0.127	2.38	72.4	2.70
62753		1.680	0.040	0.046	0.348	29.8	0.135	3.66	193.5	1.48
62763		1.295	0.039	0.029	0.337	17.3	0.058	2.80	33.2	0.27
62764		1.610	0.043	0.028	0.252	16.8	0.054	1.520	50.7	0.37
62766		1.810	0.058	0.033	0.242	25.8	0.068	1.495	17.3	0.97
62772		1.660	0.036	0.022	0.263	17.3	0.052	2.45	15.0	0.38
62774		1.160	0.051	0.033	0.202	50.7	0.094	2.39	178.0	0.65
62775		1.990	0.044	0.030	0.314	20.2	0.066	2.26	55.5	0.86
62777		1.715	0.046	0.045	0.353	17.2	0.055	3.68	75.9	0.31
62779		1.185	0.051	0.033	0.273	22.0	0.071	1.780	53.1	0.30
62781		1.315	0.032	0.066	0.342	21.9	0.076	4.29	173.5	0.38
62787		1.235	0.034	0.039	0.245	33.1	0.090	1.995	901	0.37
62788		1.415	0.051	0.028	0.239	24.4	0.130	1.610	278	0.48
62791		1.250	0.027	0.036	0.245	26.9	0.073	2.29	730	0.80
62794		1.305	0.043	0.030	0.201	23.8	0.065	0.964	83.9	0.27
62800		1.555	0.036	0.027	0.210	14.4	0.051	1.380	152.5	0.35
84803		2.07	0.066	0.033	0.312	28.7	0.082	2.10	138.0	1.40
84806		1.415	0.048	0.029	0.310	19.7	0.063	2.33	86.1	0.68
84814		1.690	0.053	0.027	0.228	26.0	0.066	1.400	113.0	0.74
84815		1.900	0.045	0.041	0.253	18.9	0.056	2.12	151.5	0.57
84822		2.46	0.062	0.035	0.334	29.8	0.073	2.52	35.8	2.28
84825		2.01	0.049	0.027	0.299	23.8	0.049	2.74	24.7	1.90
84828		2.03	0.054	0.026	0.251	23.1	0.074	1.660	93.8	0.93
84830		1.915	0.043	0.025	0.238	21.1	0.030	1.320	37.3	0.46
84835		1.900	0.051	0.030	0.267	21.5	0.070	1.970	20.0	0.79
84839		1.755	0.048	0.031	0.275	21.4	0.076	1.900	42.0	0.81
84840		2.43	0.055	0.036	0.322	19.9	0.066	2.09	35.1	1.10
84845		2.25	0.058	0.030	0.289	17.2	0.042	2.01	71.1	0.89
84848		2.34	0.050	0.031	0.296	18.8	0.068	2.16	123.0	1.59



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To: **ROBERT MACGREGOR**
28 FORD STREET
SAULT STE. MARIE ON P6A 4N4

Page: 3 - A
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	WEI-21	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.0001	0.001	0.01	0.01	10	0.5	0.01	0.001	0.01	0.001	0.003	0.001	0.01	0.005
84857		0.24	0.0024	0.187	1.46	2.98	10	30.7	0.26	0.092	0.09	0.160	15.45	3.49	23.4	0.527
84860		0.44	0.0007	0.213	1.67	1.18	10	27.2	0.31	0.068	0.08	0.074	14.30	4.63	22.8	0.522
84861		0.30	0.0010	0.201	1.18	1.17	10	19.4	0.21	0.070	0.09	0.068	15.55	2.77	30.5	0.452
84863		0.35	0.0004	0.107	1.46	1.08	10	24.7	0.22	0.063	0.09	0.053	18.70	4.58	20.9	0.600
84865		0.38	0.0050	0.077	1.17	1.40	10	40.5	0.17	0.073	0.09	0.047	20.6	5.55	19.45	0.797
84870		0.26	0.0013	0.111	1.31	1.75	10	30.5	0.32	0.095	0.12	0.227	12.65	3.68	26.1	0.398
84871		0.39	0.0018	0.116	1.22	0.80	10	24.4	0.21	0.058	0.09	0.115	14.05	5.13	16.10	0.563
84875		0.49	0.0006	0.256	1.53	1.24	10	23.8	0.30	0.056	0.17	0.083	19.05	5.21	26.0	0.656
84885		0.25	0.0011	0.069	1.60	1.98	10	34.4	0.33	0.068	0.12	0.069	19.15	6.91	26.4	0.481
84890		0.28	0.0009	0.097	1.65	3.39	10	27.9	0.26	0.079	0.10	0.128	15.00	5.41	28.6	0.464
85555		0.39	0.0154	0.123	1.18	1.03	10	28.0	0.25	0.077	0.07	0.101	11.20	3.02	17.85	0.449
85556		0.30	0.0058	0.095	1.16	1.47	10	22.3	0.19	0.076	0.07	0.070	15.95	3.88	19.80	0.367
85565		0.24	0.0013	0.107	1.20	0.85	10	44.8	0.23	0.070	0.08	0.091	13.15	3.69	24.9	0.513
27659		0.41	0.0008	0.089	0.83	2.26	10	25.5	0.15	0.090	0.14	0.171	14.75	5.07	18.80	0.718
27669		0.48	0.0009	0.086	0.97	2.79	10	23.6	0.12	0.080	0.12	0.089	12.65	2.95	20.7	0.433
27692		0.26	0.0057	0.028	1.34	3.21	10	21.6	0.28	0.108	0.11	0.106	12.60	8.45	77.2	1.370



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To: **ROBERT MACGREGOR**
28 FORD STREET
SAULT STE. MARIE ON P6A 4N4

Page: 3 - B
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.002
84857		6.33	1.900	4.46	0.025	0.051	0.050	0.018	0.02	6.82	7.2	0.13	82.9	0.43	1.775
84860		5.13	1.410	4.31	0.025	0.051	0.043	0.011	0.02	6.78	7.7	0.14	52.4	0.34	1.180
84861		5.32	1.580	4.85	0.026	0.040	0.043	0.013	0.02	7.60	7.6	0.14	59.2	0.32	1.430
84863		4.87	1.220	3.63	0.024	0.031	0.041	0.011	0.02	8.21	7.4	0.15	53.5	0.28	1.240
84865		12.15	1.710	4.21	0.030	0.025	0.038	0.018	0.03	7.72	7.9	0.18	130.5	0.30	1.175
84870		5.14	2.24	5.45	0.053	0.036	0.045	0.023	0.02	5.21	6.5	0.14	133.0	0.47	2.44
84871		4.21	0.900	2.39	0.032	0.013	0.037	0.008	0.02	6.07	4.2	0.09	314	0.31	1.320
84875		5.53	1.290	2.76	0.047	0.019	0.037	0.011	0.02	7.10	6.9	0.18	60.6	0.22	1.635
84885		5.18	1.380	3.50	0.043	0.029	0.030	0.014	0.02	7.82	7.3	0.16	66.0	0.26	1.860
84890		13.30	1.910	3.53	0.042	0.043	0.057	0.015	0.02	6.18	8.0	0.21	130.0	0.31	1.620
85555		5.06	1.390	4.03	0.036	0.034	0.035	0.008	0.02	5.47	5.8	0.10	50.3	0.24	1.525
85556		3.61	1.170	3.50	0.041	0.032	0.033	0.009	0.02	6.43	6.5	0.14	109.0	0.21	1.725
85565		2.48	1.310	4.79	0.037	0.037	0.023	0.011	0.02	6.34	6.4	0.11	55.6	0.22	1.860
27659		13.10	1.240	4.31	0.040	0.007	0.017	0.013	0.02	7.28	7.7	0.20	241	0.41	1.080
27669		4.15	1.730	3.04	0.033	0.039	0.017	0.009	0.02	5.85	5.0	0.14	47.2	0.28	1.750
27692		14.45	2.31	4.41	0.040	0.048	0.040	0.018	0.02	4.90	11.2	0.36	111.0	0.56	1.440



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28 FORD STREET
SAULT STE. MARIE ON P6A 4N4

Page: 3 - C
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.04	0.001	0.005	0.001	0.001	0.005	0.001	0.01	0.005	0.005	0.1	0.01	0.01	0.005	0.01
84857		12.75	0.027	14.05	<0.001	<0.001	3.62	<0.001	0.03	0.085	1.150	0.4	0.40	5.75	<0.005	0.04
84860		17.20	0.025	6.60	<0.001	<0.001	3.87	<0.001	0.03	0.032	1.375	0.3	0.38	5.42	<0.005	0.01
84861		10.30	0.019	6.09	<0.001	<0.001	2.99	<0.001	0.02	0.045	1.170	0.3	0.36	6.37	<0.005	0.01
84863		20.4	0.017	5.22	<0.001	0.001	3.36	<0.001	0.02	0.034	1.210	0.2	0.33	6.54	<0.005	0.01
84865		19.40	0.017	4.13	0.001	0.001	6.30	<0.001	0.02	0.053	1.485	0.3	0.35	6.39	<0.005	0.03
84870		9.18	0.021	9.40	<0.001	<0.001	2.60	<0.001	0.05	0.061	1.320	0.3	0.44	6.62	<0.005	0.02
84871		8.98	0.016	6.05	<0.001	<0.001	3.04	<0.001	0.04	0.027	0.753	0.2	0.30	5.04	<0.005	0.01
84875		23.0	0.029	4.46	<0.001	<0.001	3.15	<0.001	0.04	0.033	1.310	0.3	0.25	6.81	<0.005	0.01
84885		19.80	0.027	4.65	<0.001	<0.001	3.34	<0.001	0.04	0.035	1.355	0.3	0.32	6.73	<0.005	0.01
84890		27.7	0.026	16.25	<0.001	0.001	2.79	<0.001	0.04	0.086	1.330	0.4	0.29	5.74	<0.005	0.02
85555		9.19	0.017	7.92	<0.001	<0.001	2.77	<0.001	0.07	0.037	1.080	0.2	0.35	4.63	<0.005	0.01
85556		12.65	0.020	5.94	<0.001	<0.001	2.52	<0.001	0.05	0.050	0.994	0.3	0.33	4.84	<0.005	0.01
85565		18.85	0.014	5.71	<0.001	<0.001	2.80	<0.001	0.04	0.027	1.115	0.2	0.36	6.45	<0.005	0.01
27659		10.15	0.013	9.37	<0.001	<0.001	3.37	<0.001	0.04	0.061	1.205	0.1	0.38	6.53	<0.005	0.03
27669		15.95	0.016	17.45	<0.001	<0.001	2.54	<0.001	0.04	0.043	0.709	0.1	0.37	6.61	<0.005	0.02
27692		51.1	0.025	13.20	0.001	0.001	4.11	<0.001	0.06	0.089	1.715	0.3	0.39	6.60	<0.005	0.07



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SAULT STE. MARIE ON P6A 4N4

Page: 3 - D
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
		Th ppm 0.002	Ti % 0.001	Tl ppm 0.002	U ppm 0.005	V ppm 0.1	W ppm 0.001	Y ppm 0.003	Zn ppm 0.1	Zr ppm 0.01
84857		2.03	0.063	0.031	0.297	26.8	0.090	1.770	84.8	1.54
84860		2.01	0.053	0.035	0.279	24.2	0.063	2.04	45.8	1.32
84861		2.09	0.054	0.026	0.294	26.7	0.058	1.820	25.2	1.09
84863		2.01	0.051	0.031	0.291	19.9	0.061	2.25	25.3	0.91
84865		2.01	0.058	0.043	0.280	27.0	0.064	2.42	17.2	0.84
84870		1.300	0.068	0.035	0.257	30.7	0.087	1.710	90.4	1.22
84871		1.375	0.042	0.036	0.264	14.5	0.053	1.685	108.5	0.48
84875		1.715	0.050	0.034	0.298	19.4	0.057	2.55	57.6	0.82
84885		2.14	0.051	0.035	0.294	23.1	0.082	2.28	43.1	1.16
84890		1.840	0.049	0.035	0.259	23.7	0.073	1.700	118.0	1.54
85555		1.615	0.050	0.027	0.214	24.6	0.051	1.565	62.0	1.34
85556		2.17	0.047	0.031	0.262	20.2	0.053	1.465	27.1	1.44
85565		1.950	0.054	0.024	0.251	23.3	0.055	1.595	51.9	1.49
27659		1.285	0.044	0.034	0.236	26.1	0.067	1.745	87.6	0.33
27669		1.850	0.064	0.021	0.213	28.5	0.077	1.385	97.6	1.50
27692		1.355	0.054	0.035	0.233	35.7	0.120	1.685	68.4	1.86



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-MAR-2019
Account: RMLMUKFU

Project: Cunningham

CERTIFICATE OF ANALYSIS SD19059628

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-ST43



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Page: 1
Total # Pages: 3 (A - D)
Plus Appendix Pages
Finalized Date: 29-MAR-2019
Account: RMLMUKFU

QC CERTIFICATE SD19059628

Project: Cunningham

This report is for 56 Soil samples submitted to our lab in Sudbury, ON, Canada on 12-MAR-2019.

The following have access to data associated with this certificate:

ROBERT MACGREGOR

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
AuME-ST43	25g Super Trace Au + Multi Element PKG

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

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QC CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
		Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
STANDARDS																
MRCeo08		0.0035	4.48	2.60	34.0	10	173.5	0.80	0.645	1.00	2.32	69.6	18.80	88.5	10.00	635
Target Range - Lower Bound		0.0034	4.01	2.23	29.7	<10	111.5	0.72	0.612	0.86	2.02	66.2	17.10	79.7	9.49	587
Upper Bound		0.0044	4.91	2.75	36.3	30	152.0	0.90	0.750	1.08	2.47	81.0	20.9	97.5	11.60	675
OREAS 905		0.417	0.558	0.70	36.2	10	215	1.01	5.98	0.31	0.366	82.7	15.05	18.35	1.205	1490
OREAS 905		0.417	0.536	0.75	34.6	10	229	1.00	5.57	0.32	0.352	72.0	14.00	16.55	1.130	1530
Target Range - Lower Bound		0.352	0.463	0.67	30.0	<10	196.5	0.83	5.17	0.27	0.305	68.2	12.50	15.85	1.065	1455
Upper Bound		0.430	0.569	0.84	36.6	20	267	1.03	6.32	0.35	0.375	83.4	15.30	19.35	1.315	1670
OREAS-45d		0.0196	0.123	4.46	5.61	10	77.3	0.49	0.244	0.07	0.022	21.9	24.1	413	1.935	353
OREAS-45d		0.0193	0.118	4.49	5.13	10	80.4	0.43	0.228	0.08	0.018	20.3	22.6	449	1.825	339
Target Range - Lower Bound		0.0188	0.107	4.14	5.31	<10	67.5	0.49	0.229	0.06	0.021	20.2	23.6	390	1.905	321
Upper Bound		0.0232	0.133	5.08	6.51	30	92.5	0.62	0.282	0.10	0.028	24.6	28.8	476	2.34	369
OREAS-45e		0.0507	0.255	3.07	11.95	10	138.5	0.39	0.219	0.03	0.024	16.75	46.0	753	0.632	702
Target Range - Lower Bound		0.0449	0.219	2.98	11.25	<10	117.5	0.36	0.197	<0.01	0.018	15.95	46.8	764	0.623	659
Upper Bound		0.0551	0.269	3.66	13.75	20	160.5	0.46	0.243	0.05	0.024	19.45	57.2	934	0.773	759
BLANKS																
BLANK		<0.0001	<0.001	<0.01	<0.01	10	<0.5	<0.01	<0.001	<0.01	<0.001	<0.003	<0.001	0.01	<0.005	0.01
BLANK		<0.0001	<0.001	<0.01	<0.01	10	<0.5	<0.01	<0.001	<0.01	<0.001	<0.003	<0.001	<0.01	<0.005	<0.01
BLANK		<0.0001	<0.001	<0.01	<0.01	10	<0.5	<0.01	<0.001	<0.01	<0.001	<0.003	<0.001	0.02	<0.005	0.01
Target Range - Lower Bound		<0.0001	<0.001	<0.01	<0.01	<10	<0.5	<0.01	<0.001	<0.01	<0.001	<0.003	<0.001	<0.01	<0.005	<0.01
Upper Bound		0.0002	0.002	0.02	0.02	20	1.0	0.02	0.002	0.02	0.002	0.006	0.002	0.02	0.010	0.02
DUPLICATES																
62775		0.0016	0.169	1.46	2.33	10	21.9	0.29	0.061	0.11	0.072	19.00	5.15	23.6	0.524	6.57
DUP		0.0008	0.160	1.49	2.17	10	22.2	0.25	0.058	0.11	0.068	18.20	4.81	21.6	0.499	6.20
Target Range - Lower Bound		0.0010	0.155	1.39	2.13	<10	19.9	0.25	0.056	0.09	0.066	17.65	4.73	21.5	0.481	6.15
Upper Bound		0.0014	0.174	1.56	2.37	20	24.2	0.29	0.063	0.13	0.075	19.55	5.23	23.7	0.542	6.62
27669		0.0009	0.086	0.97	2.79	10	23.6	0.12	0.080	0.12	0.089	12.65	2.95	20.7	0.433	4.15
DUP		0.1110	0.102	0.92	2.93	10	22.8	0.17	0.082	0.11	0.135	12.55	3.03	20.4	0.418	4.22
Target Range - Lower Bound		0.0531	0.088	0.89	2.71	<10	21.0	0.13	0.076	0.10	0.105	11.95	2.84	19.50	0.399	4.03
Upper Bound		0.0588	0.100	1.00	3.01	20	25.4	0.16	0.086	0.13	0.119	13.25	3.14	21.6	0.452	4.34



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 SAULT STE. MARIE ON P6A 4N4

Page: 2 - B
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

QC CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
STANDARDS																
MRCeo08		3.56	8.82	0.129	0.524	0.058	0.157	1.22	34.2	30.5	1.14	386	14.30	0.329	0.347	715
Target Range - Lower Bound		3.23	8.77	0.111	0.428	0.047	0.137	1.12	32.6	29.1	1.01	341	13.10	0.277	0.237	623
Upper Bound		3.95	10.75	0.161	0.528	0.075	0.179	1.40	39.8	35.7	1.25	417	16.05	0.341	0.325	761
OREAS 905		3.26	5.66	0.104	0.868	0.018	0.588	0.27	41.4	5.1	0.13	308	3.24	0.083	0.117	9.59
OREAS 905		3.39	6.04	0.093	0.516	0.015	0.594	0.28	36.0	4.6	0.14	339	3.12	0.083	0.113	8.93
Target Range - Lower Bound		3.15	5.41	0.071	0.393	0.005	0.517	0.24	34.1	4.0	0.11	294	2.69	0.076	0.088	7.97
Upper Bound		3.85	6.63	0.109	0.485	0.023	0.643	0.32	41.7	5.1	0.17	360	3.31	0.095	0.124	9.83
OREAS-45d		14.25	16.05	0.077	0.332	0.037	0.071	0.09	8.53	10.5	0.11	302	1.53	0.031	0.069	182.5
OREAS-45d		13.90	13.95	0.049	0.269	0.032	0.073	0.09	7.74	7.9	0.12	332	1.60	0.025	0.124	167.5
Target Range - Lower Bound		12.30	15.35	0.071	0.325	0.027	0.065	0.07	8.27	10.6	0.09	290	1.49	0.024	0.126	158.5
Upper Bound		15.00	18.75	0.109	0.401	0.051	0.093	0.11	10.10	13.2	0.15	354	1.85	0.032	0.175	193.5
OREAS-45e		23.1	12.20	0.201	0.529	0.009	0.081	0.05	6.18	1.9	0.08	288	1.82	0.025	0.060	375
Target Range - Lower Bound		20.4	11.25	0.301	0.703	<0.004	0.076	0.03	5.86	2.2	0.07	329	1.63	0.023	0.185	321
Upper Bound		25.0	13.75	0.419	0.863	0.020	0.105	0.08	7.16	2.9	0.12	403	2.01	0.031	0.255	393
BLANKS																
BLANK		<0.001	<0.004	<0.005	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002	0.04
BLANK		<0.001	<0.004	0.011	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002	<0.04
BLANK		<0.001	<0.004	<0.005	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002	0.05
Target Range - Lower Bound		<0.001	<0.004	<0.005	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002	<0.04
Upper Bound		0.002	0.008	0.010	0.004	0.008	0.010	0.02	0.004	0.2	0.02	0.2	0.02	0.002	0.004	0.08
DUPLICATES																
62775		1.140	2.79	0.029	0.031	0.033	0.011	0.02	7.64	7.7	0.15	75.4	0.23	0.011	1.205	17.55
DUP		1.160	2.62	0.027	0.030	0.034	0.011	0.02	7.43	6.5	0.16	71.6	0.23	0.011	1.170	16.25
Target Range - Lower Bound		1.090	2.57	0.021	0.027	0.027	<0.005	<0.01	7.16	6.6	0.14	69.7	0.21	0.009	1.095	16.00
Upper Bound		1.210	2.84	0.035	0.034	0.040	0.017	0.03	7.91	7.6	0.17	77.3	0.25	0.013	1.280	17.80
27669		1.730	3.04	0.033	0.039	0.017	0.009	0.02	5.85	5.0	0.14	47.2	0.28	0.006	1.750	15.95
DUP		1.680	4.28	0.040	0.040	0.021	0.010	0.02	5.87	6.6	0.13	45.8	0.27	0.007	1.715	16.25
Target Range - Lower Bound		1.620	3.47	0.029	0.036	0.014	<0.005	<0.01	5.57	5.4	0.12	44.1	0.25	0.005	1.600	15.25
Upper Bound		1.790	3.85	0.044	0.043	0.024	0.010	0.03	6.16	6.2	0.15	48.9	0.30	0.008	1.865	16.95



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 SAULT STE. MARIE ON P6A 4N4

Page: 2 - C
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

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QC CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
	Analyte	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.005	0.001	0.001	0.005	0.001	0.01	0.005	0.005	0.1	0.01	0.01	0.005	0.01	0.002
STANDARDS																
MRCeo08		0.098	1065	0.005	0.002	145.5	0.008	0.31	2.67	6.90	0.9	3.08	75.6	<0.005	0.02	20.4
Target Range - Lower Bound		0.091	946	0.002	<0.001	132.5	0.005	0.24	2.49	6.57	0.8	3.04	66.8	<0.005	<0.01	19.30
Upper Bound		0.113	1155	0.006	0.004	161.5	0.009	0.32	3.05	8.04	1.3	3.74	81.6	0.015	0.04	23.6
OREAS 905		0.022	17.20	<0.001	0.003	19.10	<0.001	0.07	1.255	1.570	2.5	1.25	13.35	<0.005	0.08	8.79
OREAS 905		0.022	15.65	<0.001	0.003	17.15	<0.001	0.06	1.140	1.680	2.3	1.23	12.20	<0.005	0.06	8.35
Target Range - Lower Bound		0.020	14.40	<0.001	<0.001	15.75	<0.001	0.04	1.050	1.435	2.0	1.09	11.05	<0.005	0.04	7.38
Upper Bound		0.026	17.60	0.002	0.002	19.25	0.002	0.09	1.290	1.765	2.7	1.35	13.55	0.010	0.09	9.02
OREAS-45d		0.031	15.65	0.027	0.045	17.70	<0.001	0.05	0.247	39.6	1.0	1.62	9.48	<0.005	0.06	9.91
OREAS-45d		0.031	14.85	0.027	0.045	15.75	<0.001	0.04	0.280	35.4	0.6	1.67	9.01	<0.005	0.05	9.48
Target Range - Lower Bound		0.031	14.75			17.00	<0.001	0.02	0.248	39.4	0.6	1.59	9.44	<0.005	0.02	9.54
Upper Bound		0.040	18.05			20.8	0.003	0.07	0.314	48.2	1.1	1.97	11.55	0.012	0.06	11.65
OREAS-45e		0.027	13.60	0.060	0.106	6.61	<0.001	0.06	0.529	75.6	1.6	0.86	3.47	<0.005	0.10	9.98
Target Range - Lower Bound		0.025	11.90	0.055	0.103	6.75	<0.001	0.02	0.488	70.2	1.5	0.79	3.58	<0.005	0.08	8.50
Upper Bound		0.033	14.60	0.069	0.128	8.27	0.002	0.07	0.608	85.8	2.1	0.99	4.40	0.021	0.13	10.40
BLANKS																
BLANK		<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	0.01	<0.005	<0.01	<0.002
BLANK		<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	0.02	<0.005	<0.005	<0.1	<0.01	<0.01	<0.005	<0.01	<0.002
BLANK		<0.001	<0.005	<0.001	0.001	0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	<0.01	<0.005	<0.01	<0.002
Target Range - Lower Bound		<0.001	<0.005	<0.001	<0.001	<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	<0.01	<0.005	<0.01	<0.002
Upper Bound		0.002	0.010	0.002	0.002	0.010	0.002	0.02	0.010	0.010	0.2	0.02	0.02	0.010	0.02	0.004
DUPLICATES																
62775		0.036	5.08	<0.001	<0.001	3.20	<0.001	0.02	0.056	1.260	0.4	0.26	6.19	<0.005	0.02	1.990
DUP		0.036	4.85	<0.001	<0.001	3.10	<0.001	0.02	0.052	1.155	0.3	0.26	5.98	<0.005	0.02	1.875
Target Range - Lower Bound		0.033	4.71	<0.001	<0.001	2.99	<0.001	<0.01	0.045	1.140	0.2	0.24	5.77	<0.005	<0.01	1.835
Upper Bound		0.039	5.22	0.002	0.002	3.31	0.002	0.03	0.063	1.275	0.5	0.28	6.40	0.010	0.03	2.03
27669		0.016	17.45	<0.001	<0.001	2.54	<0.001	0.04	0.043	0.709	0.1	0.37	6.61	<0.005	0.02	1.850
DUP		0.015	18.15	<0.001	<0.001	2.56	<0.001	0.04	0.048	0.957	0.2	0.35	6.51	<0.005	0.02	1.880
Target Range - Lower Bound		0.014	16.90	<0.001	<0.001	2.42	<0.001	0.03	0.037	0.786	<0.1	0.33	6.22	<0.005	<0.01	1.770
Upper Bound		0.017	18.70	0.002	0.002	2.68	0.002	0.05	0.054	0.880	0.2	0.39	6.90	0.010	0.03	1.960



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Page: 2 - D
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

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QC CERTIFICATE OF ANALYSIS SD19059628

Sample Description	Method Analyte Units LOD	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
STANDARDS									
MGeo08		0.328	0.740	5.30	96.8	2.02	18.30	750	16.70
Target Range - Lower Bound		0.281	0.738	4.97	88.5	1.835	16.95	679	14.00
Upper Bound		0.345	0.906	6.09	108.5	2.49	20.7	831	19.00
OREAS 905		0.015	0.098	2.12	5.7	0.572	7.09	63.6	28.9
OREAS 905		0.016	0.096	2.03	5.8	0.534	6.75	61.3	24.6
Target Range - Lower Bound		0.012	0.089	1.875	4.7	0.475	5.90	54.6	17.30
Upper Bound		0.018	0.113	2.30	5.9	0.645	7.22	67.0	23.4
OREAS-45d		0.042	0.108	1.475	181.0	0.013	4.46	27.2	10.70
OREAS-45d		0.042	0.108	1.425	184.0	0.015	4.35	25.8	12.55
Target Range - Lower Bound		0.035	0.111	1.425	169.0	0.009	4.27	24.9	14.25
Upper Bound		0.045	0.140	1.755	207	0.015	5.23	30.7	19.35
OREAS-45e		0.079	0.058	1.665	259	0.043	5.22	28.9	19.85
Target Range - Lower Bound		0.094	0.051	1.460	258	0.081	4.97	28.9	23.7
Upper Bound		0.118	0.067	1.795	316	0.111	6.09	35.5	32.1
BLANKS									
BLANK		<0.001	<0.002	<0.005	<0.1	<0.001	<0.003	0.1	0.01
BLANK		<0.001	<0.002	<0.005	<0.1	0.001	<0.003	<0.1	0.01
BLANK		<0.001	<0.002	<0.005	<0.1	0.001	<0.003	<0.1	0.01
Target Range - Lower Bound		<0.001	<0.002	<0.005	<0.1	<0.001	<0.003	<0.1	<0.01
Upper Bound		0.002	0.004	0.010	0.2	0.002	0.006	0.2	0.02
DUPLICATES									
62775		0.044	0.030	0.314	20.2	0.066	2.26	55.5	0.86
DUP		0.044	0.030	0.297	18.6	0.062	2.14	52.3	0.78
Target Range - Lower Bound		0.041	0.026	0.285	18.3	0.058	2.09	51.1	0.75
Upper Bound		0.047	0.034	0.326	20.5	0.070	2.31	56.7	0.89
27669		0.064	0.021	0.213	28.5	0.077	1.385	97.6	1.50
DUP		0.061	0.022	0.217	28.8	0.082	1.350	94.8	1.41
Target Range - Lower Bound		0.058	0.018	0.199	27.1	0.073	1.295	91.3	1.34
Upper Bound		0.067	0.025	0.231	30.2	0.086	1.440	101.0	1.57



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Page: 3 - A
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

QC CERTIFICATE OF ANALYSIS SD19059628

Method Analyte Units LOD	AuME-ST43 Au ppm	AuME-ST43 Ag ppm	AuME-ST43 Al %	AuME-ST43 As ppm	AuME-ST43 B ppm	AuME-ST43 Ba ppm	AuME-ST43 Be ppm	AuME-ST43 Bi ppm	AuME-ST43 Ca %	AuME-ST43 Cd ppm	AuME-ST43 Ce ppm	AuME-ST43 Co ppm	AuME-ST43 Cr ppm	AuME-ST43 Cs ppm	AuME-ST43 Cu ppm
Sample Description	0.0001	0.001	0.01	0.01	10	0.5	0.01	0.001	0.01	0.001	0.003	0.001	0.01	0.005	0.01
	DUPLICATES														
ORIGINAL	0.0002	0.050	0.67	5.97	10	64.0	0.41	0.214	0.08	0.029	15.60	0.350	2.22	0.572	1.47
DUP	0.0003	0.046	0.49	6.15	10	60.5	0.42	0.200	0.08	0.025	15.50	0.321	2.12	0.503	1.30
Target Range - Lower Bound	<0.0001	0.045	0.54	5.75	<10	57.1	0.38	0.196	0.07	0.025	14.75	0.318	2.05	0.506	1.33
Upper Bound	0.0004	0.051	0.62	6.37	20	67.4	0.45	0.218	0.09	0.029	16.35	0.353	2.29	0.569	1.44

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



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Page: 3 - B
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

QC CERTIFICATE OF ANALYSIS SD19059628
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Sample Description	Method	Analyte	Units	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43	AuME-ST43			
			LOD	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	
				%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
				0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001	0.002	0.04	
				DUPLICATES															
ORIGINAL				0.950	2.96	0.029	0.012	0.074	0.015	0.07	7.55	2.1	0.03	26.5	0.84	0.002	0.796	0.95	
DUP				0.870	2.27	0.022	0.014	0.073	0.017	0.06	7.30	1.4	0.03	21.8	0.83	0.002	0.745	0.82	
Target Range - Lower Bound				0.864	2.48	0.019	0.010	0.064	0.010	0.05	7.05	1.6	0.02	22.8	0.78	<0.001	0.711	0.80	
Upper Bound				0.957	2.75	0.032	0.016	0.083	0.022	0.08	7.80	1.9	0.04	25.5	0.89	0.003	0.830	0.97	

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



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To: **ROBERT MACGREGOR**
28 FORD STREET
SAULT STE. MARIE ON P6A 4N4

Page: 3 - C
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 29-MAR-2019
 Account: RMLMUKFU

Project: Cunningham

QC CERTIFICATE OF ANALYSIS SD19059628

Method Analyte Units LOD	AuME-ST43 P %	AuME-ST43 Pb ppm	AuME-ST43 Pd ppm	AuME-ST43 Pt ppm	AuME-ST43 Rb ppm	AuME-ST43 Re ppm	AuME-ST43 S %	AuME-ST43 Sb ppm	AuME-ST43 Sc ppm	AuME-ST43 Se ppm	AuME-ST43 Sn ppm	AuME-ST43 Sr ppm	AuME-ST43 Ta ppm	AuME-ST43 Te ppm	AuME-ST43 Th ppm
Sample Description	0.001	0.005	0.001	0.001	0.005	0.001	0.01	0.005	0.005	0.1	0.01	0.01	0.005	0.01	0.002
	DUPLICATES														
ORIGINAL	0.009	13.80	<0.001	<0.001	12.20	0.001	<0.01	0.804	0.588	0.2	1.06	7.45	<0.005	0.01	2.71
DUP	0.008	13.10	<0.001	0.001	10.60	0.001	<0.01	0.852	0.428	0.2	0.94	7.19	<0.005	0.01	2.52
Target Range - Lower Bound	0.007	12.75	<0.001	<0.001	10.85	<0.001	<0.01	0.761	0.478	<0.1	0.94	6.94	<0.005	<0.01	2.48
Upper Bound	0.010	14.15	0.002	0.002	12.00	0.002	0.02	0.895	0.538	0.3	1.06	7.70	0.010	0.02	2.75

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



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Page: 3 - D
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
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	Method Analyte Units LOD	AuME-ST43 Ti %	AuME-ST43 Tl ppm	AuME-ST43 U ppm	AuME-ST43 V ppm	AuME-ST43 W ppm	AuME-ST43 Y ppm	AuME-ST43 Zn ppm	AuME-ST43 Zr ppm
Sample Description		0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
		DUPLICATES							
ORIGINAL		0.005	0.097	0.419	6.7	0.103	4.51	11.0	0.39
DUP		0.005	0.087	0.386	6.5	0.128	4.10	8.4	0.43
Target Range - Lower Bound		0.004	0.083	0.377	6.2	0.106	4.09	9.1	0.37
Upper Bound		0.006	0.101	0.428	7.0	0.125	4.52	10.3	0.45



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29-MAR-2019
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QC CERTIFICATE OF ANALYSIS SD19059628

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
AuME-ST43

APPENDIX E

LIST OF MAPS (IN MAP POCKET)

- 1) Q2524-Soil_Sample_Locations
- 2) Q2524-Soil_Sample_Locations_Ag
- 3) Q2524-Soil_Sample_Locations_Au
- 4) Q2524-Soil_Sample_Locations_Cu
- 5) Q2524-Soil_Sample_Locations_Ni

TOTAL MAPS = 5

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