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37999 YUKON INC.

PROSPECTING & GEOCHEMICAL RECONNAISSANCE PROGRAM, FLORENCE CREEK AREA, YUKON TERRITORY

Mike Power, M Sc P Geo

Location: 61° 47' N 136° 45' W
NTS: 115 H 9,10,15,16
Mining District: Whitehorse, YT
Date: 15 Feb 2010

SUMMARY

This report describes a reconnaissance prospecting and geochemical survey program conducted along the south side of Florence Creek, south of Carmacks in the Whitehorse mining district. The program was conducted between June 28 and July 5, 2009 to locate gold, molybdenum and copper mineralization in the area.

The work was performed by a two man crew consisting of a geologist and prospector equipped with a fly camp. The crew worked from two camps with a helicopter set out and final pickup, moving the camp in the middle of the project. The crew traversed the project area on foot, collecting 114 soil samples at intervals of approximately 500 m and prospected all outcrops found on traverse.

The soil survey located anomalous coincident weak gold, molybdenum and copper response surrounding the Tahte Showing in the southwest portion of the project area but failed to locate any significant mineralization elsewhere in the project area. In general, soil responses were quite low and principal component analysis shows that the soil response is dominated by a bedrock factor (F1) which differentiates two domains in the project area.

No significant mineralization was located during the prospecting program.

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1.0 INTRODUCTION

This report describes prospecting and geochemical surveys conducted near Florence Creek in the Whitehorse Mining District, Yukon Territory. This work was conducted to investigate regional gold-molybdenum stream sediment geochemical anomalies.

2.0 LOCATION AND ACCESS

The project area is located along Florence Creek on NTS 115 H 9, 10,15 and 16, near Carmacks. The project location is shown in Figure 1 and Figure 2 illustrates the project area in more detail. The project area is bounded by 61° 43' N 136° 59' W in the southwest to 61° 52' N 136° 25' W in the northeast (NAD 83 coordinates). It is located in the Whitehorse Mining District. The project area is accessible only by helicopter and the nearest helicopter base is located in Carmacks, 60 km NE of the project area.

The eastern boundary of the project area is 22 km west of the Klondike Highway near Twin Lakes while the western boundary of the project area is 21 km east of a CAT trail connecting Aishihik Lake to the Mount Nansen Road.

3.0 MINERAL TENURE

No active mineral claims were in the project area at the time the project was completed. Subsequent to the completion of the project, the Tahte Showing was restaked by Cathro Resources Ltd. as the SUZI 1-73 Claims. The claim boundaries as plotted by the Whitehorse Mining Recorder are shown in the figures attached to this report.

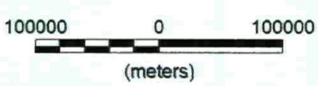
4.0 DESCRIPTION OF WORK PROGRAM

This section describes the prospecting and geochemical surveys conducted in the project area between June 28, 2009 and July 5, 2009.

4.1 Personnel & equipment.

The work program was conducted by the following personnel:

Crew chief:	Dave White, B.Sc., P Geo
Prospector:	Anthony Margarit, B Sc.



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FLORENCE CREEK AREA

Figure 1. Property Location Map

NTS: 115H09,10,15,16	Mining District: Whitehorse
Datum: NAD83	Projection: UTM Zone 8N
Job: YMIP	Date: 10 Mar 09

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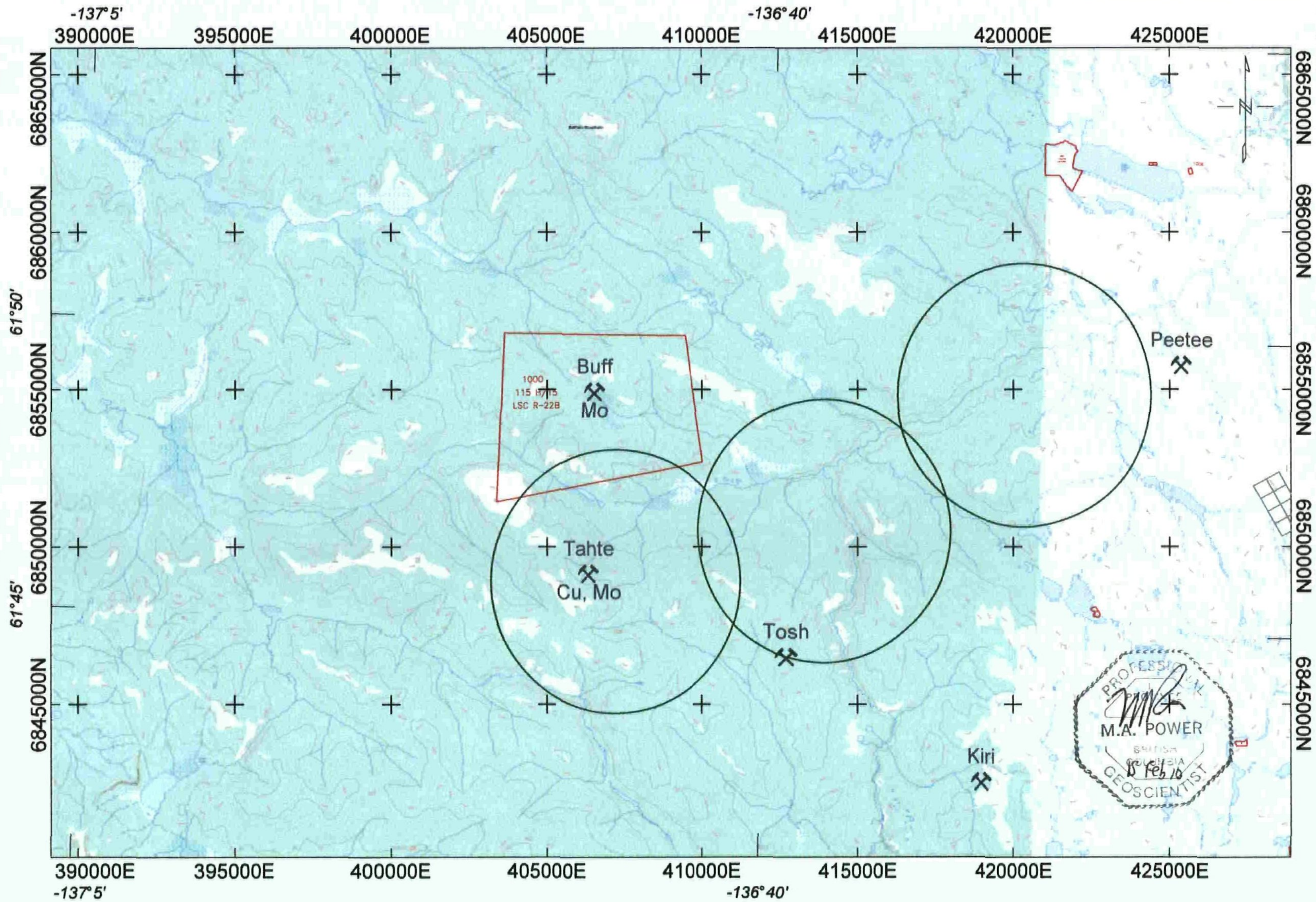

- Prospecting, mapping & geochemical samping area

Scale 1:185000

2500 0 2500 5000

(meters)

NAD83 / UTM zone 8N

37999 YUKON INC.	
NISLING PROJECT **Florence Creek Target** **Figure 2 - Florence Creek Project Area**	
NTS: 115 H 9,10,11,14,15,16 Datum: NAD83 Job: 379-9500-YT	Mining District: Whitehorse Projection: UTM Zone 8N Date: 05 Feb 10
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The crew were equipped with the following instruments and equipment:

Instruments:	2 - Garmin DGPS receivers
Equipment:	1 - 2 man reconnaissance fly camp 1 - Satellite phone

The survey log in Appendix B includes the names and addresses of all persons employed and a detailed description of daily operations. A statement of costs is compiled in Appendix C.

4.2 Specifications.

Prospecting and geological mapping were conducted according to the following specifications:

Mapping datum:	NAD83 Zone 8N UTM (metric)
Station location:	WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.
Station records:	*Prospecting stations:* Sample descriptions, general rock type
Sample marking:	All samples were marked with blue and orange flagging. The sample number was written on a portion of the flagging covered from weather and sunlight.

Geochemical surveys were conducted according to the following specifications:

Mapping datum:	NAD83 Zone 9N UTM (metric)

Station location: WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.

Sampling: For each sample, the sample material was noted by the sampler. Where the horizon was present and accessible, samples were taken from the B-horizon (below organic layer). At most sample sites in the project area, frost or soil development did not permit excavation and recovery of separate A, B and C soil horizons

Sample marking: All samples were marked flagging and white Tyvek tags on which the line and station were written. Sample names were abbreviations of the line and station where the sample was collected.

4.3 Sample analysis.

Soil samples were sieved to -80 mesh; rock samples were crushed and sieved to -80 mesh. Sub-samples of 100 g were split from the fine fractions and digested with aqua-regia. A 0.5 g sample of the extract was analyzed with induced coupled plasma - mass spectrometry (ICP-MS) for 36 elements. Sample preparation and analysis was performed by Eco Tech Laboratories of Kamloops, BC.

4.4 Data.

Appendix D contains the geochemical samplers' notes on the composition of each sample and the sample sites, together with sample analyses. Sample locations are plotted in Figure 4. Assay certificates are in Appendix G. The results of the geochemical surveys and prospecting are discussed in Sections 7 and 8.

5.0 PHYSIOGRAPHY & CLIMATE

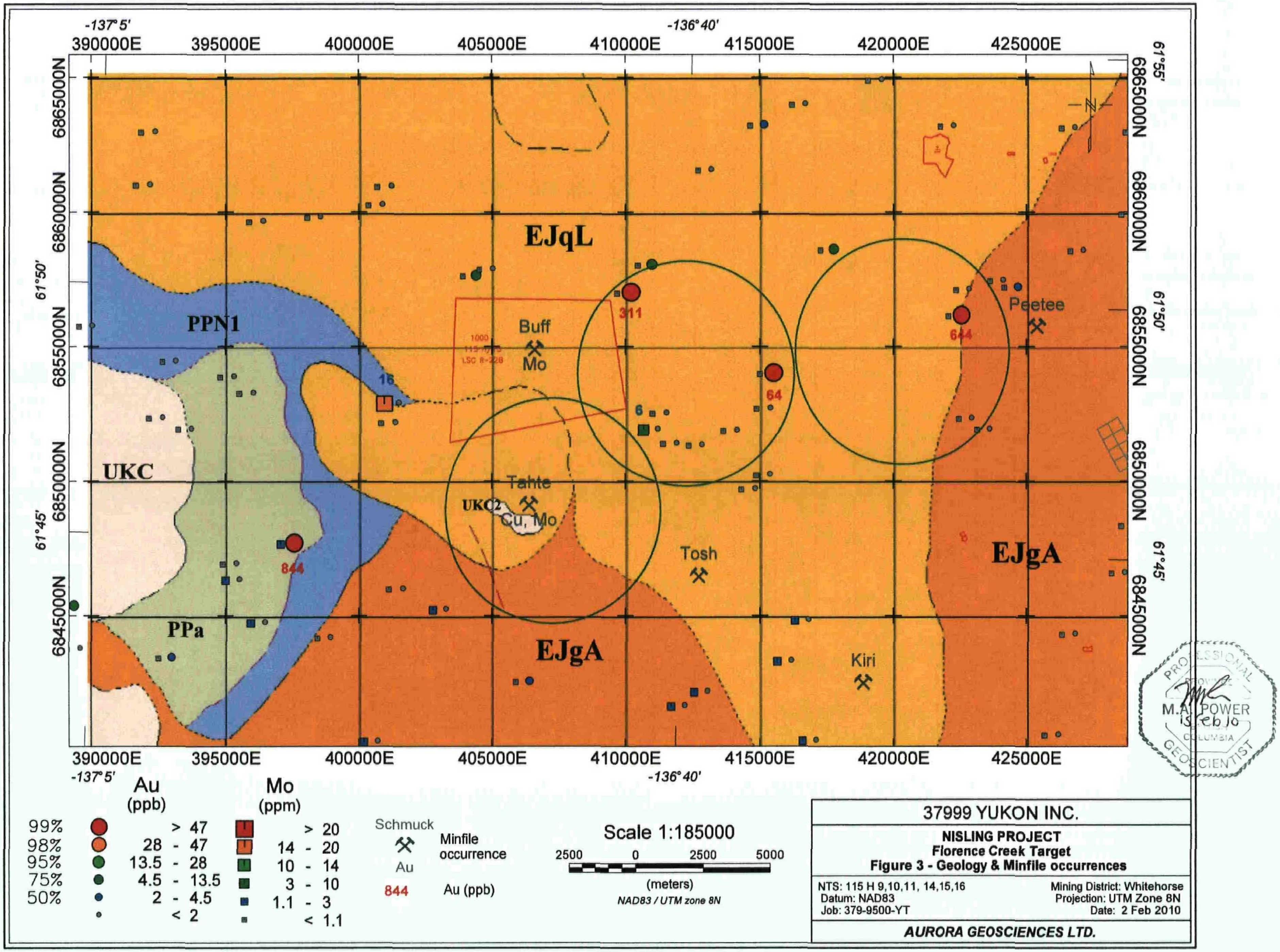
The project area is located in the Yukon Plateau. Topography in the area consists of rolling topography centred on Florence Creek which runs the length of the project area. Elevations range from 3100 ft in the lower reaches of Florence Creek in the northeast portion of the project area to 5000 ft near the Tahte Showing in the southwest portion of the map area. Below 4500 feet, the terrain is covered by black spruce, willows and occasional slopes of poplar; above 4500 ft, vegetation gives way to dwarf birch, alder and lichen. Outcrop is almost absent in the project area except in the southwest near the Tahte Showing. The area is generally dry and smaller streams dry up in late summer

The climate in the property area consists of long, cold winters;, short generally dry summers; and short spring and fall seasons. The climate in the property area consists of long, cold winters; short wet summers; and brief spring and fall seasons. At Whitehorse, the closest nearby community with climate data, annual temperatures range from -40^0 C in January to 20^0 C in July and precipitation averages 26.7 cm, with the majority falling during the summer. Florence Creek is likely colder during the winter and dryer in general.

6.0 REGIONAL GEOLOGY & EXPLORATION HISTORY

The geology of the project area is shown together with regional geochemical survey response and Minfile showings in Figure 3 after Gordey & Makepeace (1999). The western limit of the project area is underlain by Proterozoic to Paleozoic metasedimentary rocks of the Nisling Group (**PPa / PPN1** in Figure 3) while the central and eastern portion of the project area is underlain by Early Jurassic Long Lake Suite granodiorite and granite (**EJqL**), and by Early Jurassic Aishihik Suite granodiorite, diorite and monzodiorite (**EJgA**). These units host molybdenum mineralization in other showings north and south of the project area. Upper Cretaceous Carmacks Group felsic volcanic rocks occur in a small plug near the Tahte Showing in the centre of the project area.

Two known molybdenum showings occur in the project area. The Tahte Showing (Minfile 115H 038) was staked and explored by Noranda between 1977 and 1980. Best assays reported in the Minfile ran14 g/t Au and 0.1% Cu. Molybdenite was reported in the drill holes but core samples were not analyzed for molybdenum and no molybdenum analyses are reported in the Minfile. The best assays reported in a three-hole 1980 drill program were 0.028 OPT Au over 5 feet and 0.13% Cu over 5 feet in different intersections. The Buff Showing (Minfile 115H 033) lies north of the Tahte in the Champagne-Aishihik R-Block and covers minor quartz veining with traces of molybdenite. Minfile reports are attached to this proposal. Florence Creek drains the project area and has been repeatedly staked for placer gold although no production is listed in the Placer Minfile.


-137°5'
-136°40'
390000E
395000E
400000E
405000E
410000E
415000E
420000E
425000E
6865000N
6860000N
6855000N
6850000N
6845000N
61°55'
61°50'
61°45'
EJqL
PPN1
UKC
UKC2
PPa
EJgA
Buff
Mo
Tahte
Cu, Mo
Tosh
Kiri
Peetee
311
64
644
844
16
6
Au (ppb)
Mo (ppm)
99%
98%
95%
75%
50%
> 47
28 - 47
13.5 - 28
4.5 - 13.5
2 - 4.5
< 2
> 20
14 - 20
10 - 14
3 - 10
1.1 - 3
< 1.1
Schmuck
Au
Minfile occurrence
844
Au (ppb)
Scale 1:185000
2500
0
2500
5000
(meters)
NAD83 / UTM zone 8N
37999 YUKON INC.
NISLING PROJECT
Florence Creek Target
Figure 3 - Geology & Minfile occurrences
NTS: 115 H 9,10,11, 14,15,16
Datum: NAD83
Job: 379-9500-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 2 Feb 2010
AURORA GEOSCIENCES LTD.
PROFESSIONAL
M.A. POWER
GEOSCIENTIST
COLUMBIA

7.0 GEOCHEMICAL SURVEYS

This section describes the results of geochemical surveys performed. A total of 114 soil samples and 2 stream samples were collected. Figure 4 shows the location of all samples. A complete summary of the sample results integrating sampling notes, locations and analyses is contained in Appendix D and in digital format on the CD-ROM included with this report.

7.1 Procedures

Geochemical data processing consisted of the following procedures, described in Grunsky (2007), and applied to the elements described above:

1. Analyses below the detection limit and censored values above the upper limit of detection were assigned values equal to one half the detection limit.

2. Univariate statistics including mean, median, standard deviations (n, n-1), percentile thresholds (25, 75, 95, 98), minimum, maximum, number of min & max were calculated and tabulated.

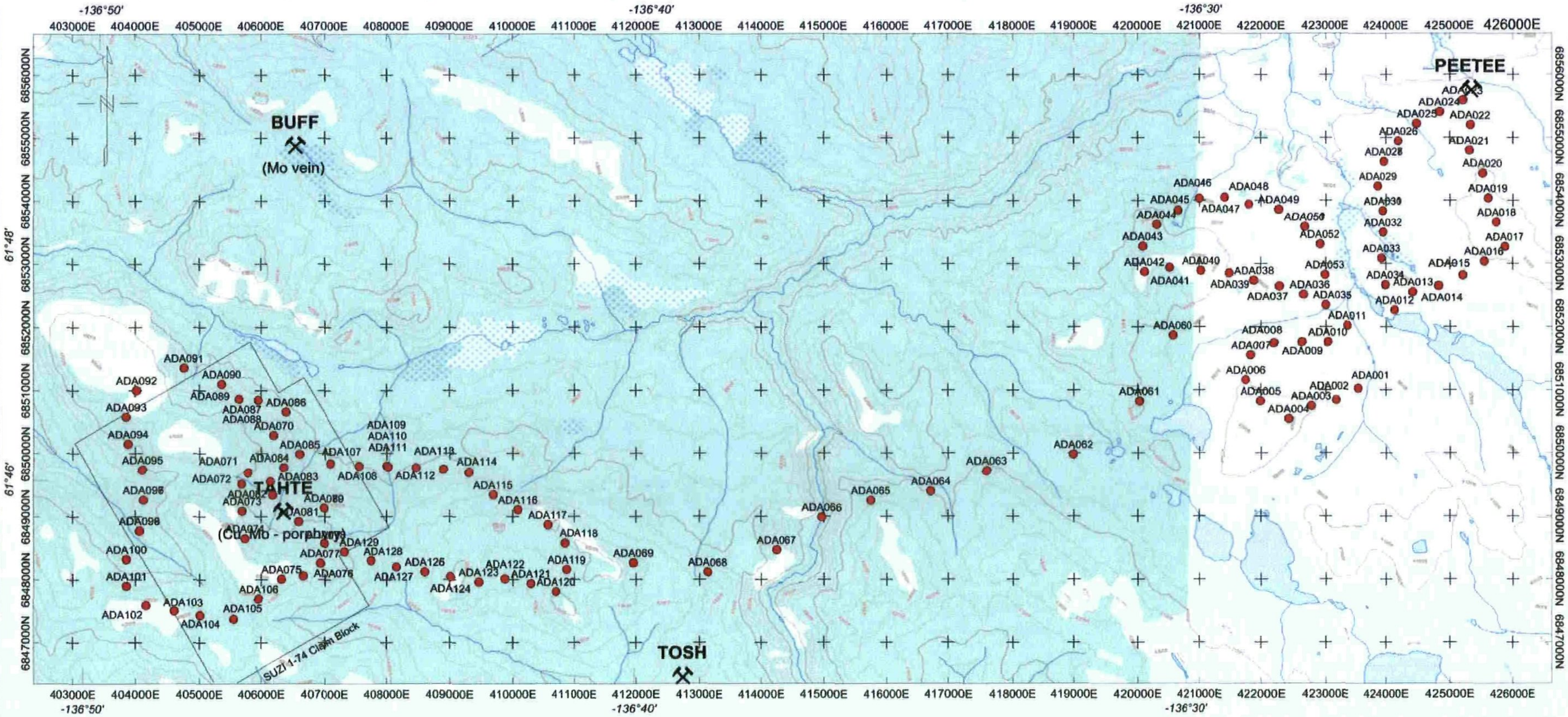
3. The natural logarithm of the soil sample analytical results was plotted in histogram format and the skewness and kurtosis of the distributions were tabulated in the univariate statistical summary.

4. The data was plotted in Q-Q and box plots and described. The Q-Q plots were used to identify multiple sample populations and outliers. These are contained in Appendix E.

5. A scatterplot matrix was constructed and the covariance matrix (Pearson N) was calculated were prepared to examine the covariance between elements. These results were summarized.

6. Principal component analysis of the soil data was performed on a suitable subset of elements.

7. Bubble plots of gold, molybdenum, copper and key PCA's with gold and molybdenum were plotted.



ADA010

● Soil geochemical sample & sample number

Scale 1:65000

1000 0 1000 2000 3000 4000

(meters)

NAD83 / UTM zone 8N

SCHMUCK

(Au vein)

Minfile Occurrence
(Deposit type)

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FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 4 - Sample Locations

NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT

Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10

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7.2 Univariate analysis

The tables below summarize the univariate analysis of the element responses Shaded elements were excluded from principal component analysis because the responses were severely left censored with many values below detection limit An exception was made for gold despite its dominantly left censored response Histograms, box plots and Q-Q plots for each element are in Appendix E together with a brief description of each population All histograms in the appendix show the distribution of log transformed data

Statistic	Au_ppb	Ag	Al_pt	As	Ba	Bi	Ca_pt	Cd	Co	Cr
No of observations	114	114	114	114	114	114	114	114	114	114
No of missing values	0	0	0	0	0	0	0	0	0	0
Minimum	2 500	0 100	0 090	2 500	10 000	2 500	0 030	0 500	0 500	1 000
Maximum	30 000	2 400	3 230	25 000	520 000	2 500	1 510	2 000	19 000	123 000
Freq of minimum	103	89	1	75	6	114	5	97	5	9
Freq of maximum	1	1	1	1	1	114	1	1	1	1
Range	27 500	2 300	3 140	22 500	510 000	0 000	1 480	1 500	18 500	122 000
25th percentile	2 500	0 100	0 200	2 500	25 000	2 500	0 100	0 500	2 000	3 000
Median	2 500	0 100	0 690	2 500	75 000	2 500	0 200	0 500	5 000	9 500
Mean	3 618	0 148	0 908	4 189	89 386	2 500	0 272	0 583	5 776	13 018
75th percentile	2 500	0 100	1 577	5 000	140 000	2 500	0 427	0 500	9 000	20 750
95th percentile	15 00	0 25	2 20	22 00	212 00	3 00	0 62	1 40	13 00	30 00
98th percentile	20 00	0 40	2 69	24 00	285 00	3 00	0 70	1 80	16 00	35 00
Kurtosis (log normal dist)	9 127	17 115	-1 497	0 917	-1 144	-2 036	-0 855	4 861	-0 484	-1 128
Skewness (log normal dist)	3 206	3 468	-0 120	1 361	-0 198	1 013	-0 293	2 348	-0 564	-0 197
Standard deviation (n)	4 002	0 222	0 772	3 202	79 654	0 000	0 228	0 219	4 196	14 397
Standard deviation (n-1)	4 020	0 223	0 775	3 216	80 006	0 000	0 229	0 220	4 215	14 460

Statistic	Cu	Fe_pt	La	Mg_pt	Mn	Mo	Na_pt	Ni	P	Pb
No of observations	114	114	114	114	114	114	114	114	114	114
No of missing values	0	0	0	0	0	0	0	0	0	0
Minimum	0 500	0 270	5 000	0 005	16 000	0 500	0 020	0 500	50 000	1 000
Maximum	99 000	4 440	30 000	1 350	1339 000	21 000	0 090	50 000	1800 000	60 000
Freq of minimum	2	1	88	1	1	58	15	15	1	40
Freq of maximum	1	1	2	1	1	1	1	1	1	1
Range	98 500	4 170	25 000	1 345	1323 000	20 500	0 070	49 500	1750 000	59 000
25th percentile	5 000	0 602	5 000	0 060	50 000	0 500	0 030	1 250	212 500	1 000
Median	11 000	1 415	5 000	0 160	224 500	0 500	0 030	6 000	435 000	4 000
Mean	16 219	1 693	7 193	0 280	315 860	1 412	0 033	6 846	502 281	6 719
75th percentile	22 000	2 612	5 000	0 455	460 000	2 000	0 040	11 000	700 000	10 000
95th percentile	50 00	3 83	26 00	0 75	980 00	4 00	0 06	16 00	1240 00	19 00
98th percentile	55 00	4 10	28 00	0 83	1080 00	5 00	0 07	19 00	1400 00	26 00
Kurtosis (log normal dist)	-0 136	-1 218	2 775	-0 881	-1 242	0 983	2 794	-1 135	-0 621	-1 433
Skewness (log normal dist)	-0 460	-0 228	1 955	-0 321	-0 224	1 063	0 812	-0 379	-0 344	0 088
Standard deviation (n)	15 686	1 165	5 045	0 268	316 151	2 158	0 010	6 718	356 073	7 737
Standard deviation (n-1)	15 756	1 170	5 067	0 269	317 546	2 168	0 010	6 748	357 645	7 772

Statistic	Sb	Sn	Sr	Ti_pt	U	V	W	Y	Zn
No. of observations	114	114	114	114	114	114	114	114	114
No. of missing values	0	0	0	0	0	0	0	0	0
Minimum	2.500	10.000	3.000	0.005	0.500	7.000	5.000	0.500	0.500
Maximum	110.000	10.000	108.000	0.130	0.500	105.000	5.000	16.000	235.000
Freq. of minimum	113	114	1	6	114	1	114	37	12
Freq. of maximum	1	114	1	1	114	1	114	1	1
Range	107.500	0.000	105.000	0.125	0.000	98.000	0.000	15.500	234.500
25th percentile	2.500	10.000	10.000	0.020	0.500	18.250	5.000	0.500	5.000
Median	2.500	10.000	15.000	0.035	0.500	43.500	5.000	2.000	17.500
Mean	3.443	10.000	20.491	0.040	0.500	41.851	5.000	3.373	31.439
75th percentile	2.500	10.000	28.000	0.050	0.500	58.750	5.000	5.000	45.000
95th percentile	3.00	10.00	52.00	0.09	1.00	83.00	5.00	11.00	90.00
98th percentile	3.00	10.00	44.00	0.11	1.00	96.00	5.00	14.00	115.00
Kurtosis (log normal dist.)	n/a	n/a	-0.461	0.605	n/a	-0.995	n/a	-1.328	-0.418
Skewness (log normal dist.)	10.677	n/a	0.158	-0.729	n/a	-0.464	n/a	-0.022	-0.735
Standard deviation (n)	10.024	0.000	14.669	0.025	0.000	23.967	0.000	3.406	34.834
Standard deviation (n-1)	10.068	0.000	14.734	0.025	0.000	24.073	0.000	3.421	34.988

Kurtosis in this report is calculated so that the kurtosis of a normal distribution is zero. Figure GC-1 (below) shows the kurtosis of several common distributions; curve N is the normal distribution. In general, a curve with a positive kurtosis is peaked with long tails while a curve with a negative kurtosis has a flat top and no tails.

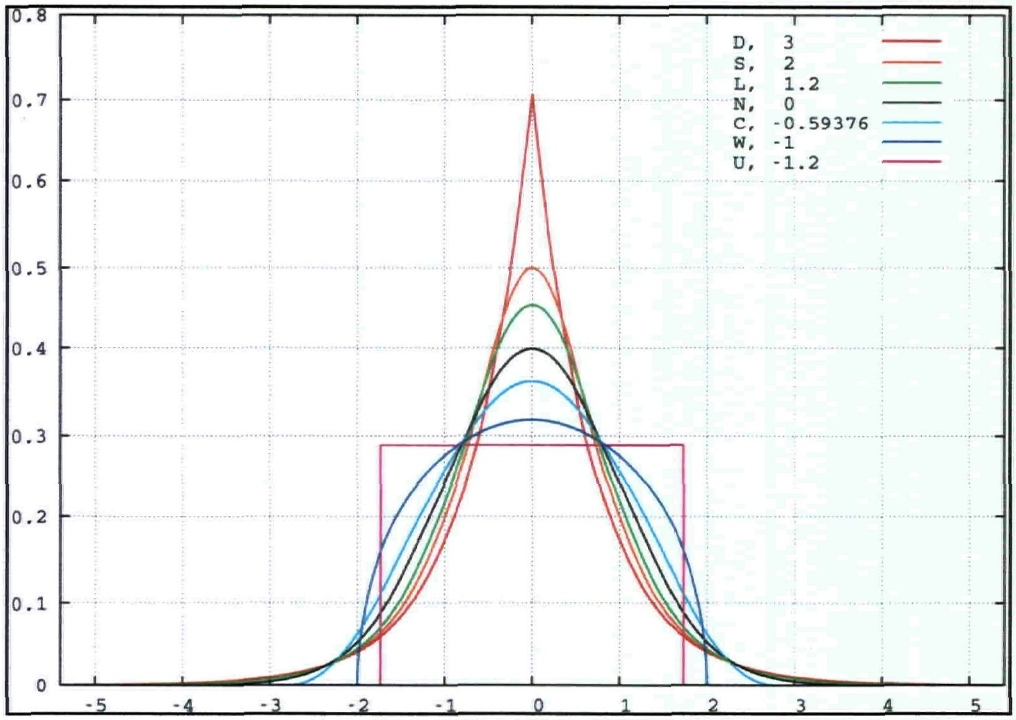


Figure GC-1. Kurtosis defined by the modified formula.

The Box Plots are most useful in analyzing single populations where the mean (red cross) and median (line) can be compared together with the ends of the whiskers. The whiskers would be the limits of normal distributions beyond which samples are highly anomalous (ie. outliers). The whisker limits are defined by the width of the quartiles above and below the mean so that a right skewed distribution will show a longer upper whisker than the lower whisker. Samples considered highly anomalous are plotted as individual symbols in the Box plot.

The Q-Q plots show the distribution of the data (x-axis) against a theoretical normal distribution with a mean and standard deviation equal to that of the data set (y-axis). If the data were a single normally distributed data set, the plot would be a straight line, coincident with the dashed line at 45^0. If a data set contains left censored values (ie. values below the detection limit), the Q-Q plot will be curved downwards towards the detection limit on the left and will rise steeply at first. Thereafter, the right hand portion of the plot will be a straight line, not coincident with the dashed line (because of an incorrect estimate of the standard deviation). A data set with three separate populations will show three separate line segments in a Q-Q plot.

The univariate statistical analysis suggest that the elements can be grouped into the following general categories:

1. *Elements with no response above detection limits.* This includes Bi, Sn, W and U.

2 *Elements with a few responses above detection limits.* This group includes Au, Ag and As.

3. *Elements in two clear populations, one of which is left censored.* This group includes Ba, Cr, Cu, Mo, Ni, Pb, Sr, Ti, Y and Zn. The second distributions to the right of the peaks near the detection limit are often left-skewed distributions and the response at the detection limit is most likely an artifact.

4. *Elements in two clear populations, neither of which is left censored.* This group includes Al, Ca, Co, Mg and V. Two populations in the distribution of Al and Ca might be attributable to alteration or weathering processes but the presence of two populations in Co, Mg and V suggest that there might be bedrock control of the soil response and two geochemically distinct rock units might be present.

5. *Elements in three populations.* This group includes Fe and Mn and the presence of the third population might be attributable to either weathering or alteration.

6. *Elements in a single near normal population.* Na and P are elevated and show a single population distribution. It is possible that this distribution reflects a volcanic ash source.

7.3 Covariance analysis

Figure 5 is a scatter plot matrix of the geochemical survey results. Pearson (N) covariance was calculated using XLSTAT and the results are summarized in the tables below:

Variables	Au_ppb	Ag	Al_pt	As	Ba	Ca_pt	Cd	Co	Cr	Cu	Fe_pt	La
Au_ppb	1	0.389	0.292	0.332	0.201	0.051	0.482	0.307	0.353	0.510	0.340	0.215
Ag	0.389	1	0.312	0.095	0.140	0.028	0.686	0.348	0.728	0.301	0.300	0.223
Al_pt	0.292	0.312	1	0.504	0.761	0.302	0.622	0.900	0.804	0.629	0.922	0.554
As	0.332	0.095	0.504	1	0.345	0.138	0.253	0.382	0.379	0.496	0.537	0.361
Ba	0.201	0.140	0.761	0.345	1	0.546	0.369	0.720	0.577	0.576	0.698	0.637
Ca_pt	0.051	0.028	0.302	0.138	0.546	1	0.073	0.422	0.265	0.389	0.244	0.366
Cd	0.482	0.686	0.622	0.253	0.369	0.073	1	0.660	0.744	0.402	0.655	0.430
Co	0.307	0.348	0.900	0.382	0.720	0.422	0.660	1	0.800	0.580	0.908	0.574
Cr	0.353	0.728	0.804	0.379	0.577	0.265	0.744	0.800	1	0.579	0.770	0.522
Cu	0.510	0.301	0.629	0.496	0.576	0.389	0.402	0.580	0.579	1	0.611	0.594
Fe_pt	0.340	0.300	0.922	0.537	0.698	0.244	0.655	0.908	0.770	0.611	1	0.542
La	0.215	0.223	0.554	0.361	0.637	0.366	0.430	0.574	0.522	0.594	0.542	1
Mg_pt	0.334	0.405	0.891	0.366	0.748	0.445	0.637	0.927	0.854	0.655	0.860	0.610
Mn	0.381	0.270	0.754	0.312	0.668	0.454	0.584	0.870	0.617	0.466	0.772	0.499
Mo	0.425	0.148	0.389	0.737	0.293	0.008	0.234	0.249	0.305	0.576	0.467	0.195
Na_pt	0.129	0.112	0.142	0.154	0.186	0.390	0.211	0.259	0.190	0.214	0.234	0.223
Ni	0.316	0.614	0.848	0.425	0.638	0.365	0.686	0.842	0.962	0.614	0.778	0.539
P	0.181	0.024	0.590	0.288	0.632	0.621	0.274	0.657	0.422	0.530	0.595	0.550
Pb	0.525	0.220	0.680	0.808	0.525	0 109	0.478	0.568	0.547	0.613	0.709	0.396
Sb	0.268	0 022	0.025	0.611	0.001	-0.075	-0.036	-0.085	-0.013	0.263	0.082	-0.041
Sr	0 179	0.071	0.288	0.214	0.516	0.900	0.117	0.366	0.250	0.437	0.255	0.289
Ti_pt	0.005	0.224	0.631	0.215	0.468	0.181	0.392	0.686	0.631	0.412	0.694	0.456
V	0.126	0.185	0.836	0.390	0.623	0.199	0.503	0.862	0.684	0.472	0.915	0.476
Y	0.219	0.213	0.723	0.451	0.804	0.558	0.464	0.772	0.636	0.614	0.693	0.843
Zn	0.465	0.591	0.791	0.398	0.621	0.272	0.748	0.840	0.860	0.587	0.806	0.512

Variables	Mg_pt	Mn	Mo	Na_pt	Ni	P	Pb	Sb	Sr	Ti_pt	V	Y	Zn
Au_ppb	0.334	0.381	0.425	0.129	0.316	0.181	0.525	0.268	0.179	0.005	0.126	0.219	0.465
Ag	0.405	0.270	0.148	0.112	0.614	0.024	0.220	0.022	0.071	0.224	0.185	0.213	0.591
Al_pt	0.891	0.754	0.389	0.142	0.848	0.590	0.680	0.025	0.288	0.631	0.836	0.723	0.791
As	0.366	0.312	0.737	0.154	0.425	0.288	0.808	0.611	0.214	0.215	0.390	0.451	0.398
Ba	0.748	0.668	0.293	0.186	0.638	0.632	0.525	0.001	0.516	0.468	0.623	0.804	0.621
Ca_pt	0.445	0.454	0.008	0.390	0.365	0.621	0.109	-0.075	0.900	0.181	0.199	0.558	0.272
Cd	0.637	0.584	0.234	0.211	0.686	0.274	0.478	-0.036	0.117	0.392	0.503	0.464	0.748
Co	0.927	0.870	0.249	0.259	0.842	0.657	0.568	-0.085	0.366	0.686	0.862	0.772	0.840
Cr	0.854	0.617	0.305	0.190	0.962	0.422	0.547	-0.013	0.250	0.631	0.684	0.636	0.860
Cu	0.655	0.466	0.576	0.214	0.614	0.530	0.613	0.263	0.437	0.412	0.472	0.614	0.587
Fe_pt	0.860	0.772	0.467	0.234	0.778	0.595	0.709	0.082	0.255	0.694	0.915	0.693	0.806
La	0.610	0.499	0.195	0.223	0.539	0.550	0.396	-0.041	0.289	0.456	0.476	0.843	0.512
Mg_pt	1	0.748	0.323	0.243	0.859	0.678	0.578	-0.032	0.365	0.728	0.785	0.762	0.850
Mn	0.748	1	0.196	0.208	0.674	0.631	0.529	-0.066	0.411	0.398	0.657	0.690	0.776
Mo	0.323	0.196	1	0.074	0.276	0.275	0.844	0.854	0.112	0.224	0.285	0.249	0.392
Na_pt	0.243	0.208	0 074	1	0.177	0.376	0.035	-0.116	0.474	0.070	0.129	0.319	0.088
Ni	0.859	0.674	0.276	0.177	1	0.447	0.561	-0.026	0.324	0.591	0.694	0.703	0.850
P	0.678	0.631	0.275	0.376	0.447	1	0.405	0.028	0.507	0.452	0.515	0.654	0.487
Pb	0.578	0.529	0.844	0.035	0.561	0.405	1	0.648	0.175	0.338	0.529	0.520	0.677
Sb	-0.032	-0.066	0.854	-0.116	-0.026	0.028	0.648	1	-0.022	-0.075	-0.050	-0.010	0.101
Sr	0.365	0.411	0.112	0.474	0.324	0.507	0.175	-0.022	1	0.079	0.160	0.503	0.235
Ti_pt	0.728	0.398	0.224	0.070	0.591	0.452	0.338	-0.075	0.079	1	0.794	0.472	0.541
V	0.785	0.657	0.285	0.129	0.694	0.515	0.529	-0.050	0.160	0.794	1	0.607	0.671
Y	0.762	0.690	0.249	0.319	0.703	0.654	0.520	-0.010	0.503	0.472	0.607	1	0.670
Zn	0.850	0.776	0.392	0.088	0.850	0.487	0.677	0.101	0.235	0.541	0.671	0.670	1

Correlations in bold are different from zero with a significance level of 5%; equivalently there is a 95% chance that the correlation shown is not random (0). Gold correlates most strongly with Pb, Cu, Zn, Cd and Mo in decreasing order. It is interesting that there is no Bi or W response and only a weak correlation between gold and either Sb or As. The correlation results would suggest that gold response is likely tied to mesothermal, cordilleran style vein mineralization.

7.4 Principal Component Analysis

Principal component analysis (PCA) is a means of reducing the number of variables in a data set by deriving factors which explain the observed responses. Factors are linear combinations of elemental responses derived from the correlation matrix. The proportion of the element response in each factor is generally expressed in percentages and different combinations of elements in varying proportions define each factor. PCA derives a series of factors which explain the observed responses in the data set up to a specified level of fit, specified in percent. The factors often reflect physical processes operating in the area where the samples were collected. Weathering, bedrock lithological variations, overburden processes, alteration and mineralization often have associated factors with corresponding element combinations reflecting these underlying processes. For example, a factor associated with weathering might be elevated in Al, Ca and low in mobile metallic elements. A factor associated with a given style of bedrock mineralization might have a combination of elevated metal responses reflecting that style of mineralization.

The response at any given sample site is a combination of factor scores for that site which in aggregate define the total geochemical response at that site. The factor scores will vary spatially depending upon the underlying physical processes. An area covered by thick till will have a geochemical response dominated by factor scores associated with till geochemistry. If overburden is thin or absent and the soil locally derived, the geochemical response will be dominated by factor scores associated with varying bedrock type and the response from a till or overburden score will be quite small. Finally, an area underlain by a mineral deposit will have a geochemical response dominated by factor scores associated with that style of mineralization; the factor scores for those factors associated with other processes will be comparatively weak.

PCA is based upon the assumption that the variables are normally distributed. As a result, log transformed data was used in the PCA to mitigate the non-normal nature of most distributions and elements which had no response or were heavily left censored were omitted. The set of elements used in the PCA included Au, Al, Ba, Cu, Cd, Co, Cr, Cu, Fe, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sr, Ti, V and Zn. Gold was included as a primary element of interest despite the fact that its response is heavily left censored at the detection limit.

The PCA yielded a total of 21 factors explaining 100.000% of the observed variability in the geochemical response. The relative contributions of the factors to the total observed response is depicted in Figure 5. The table below summarizes the contribution of each element to the PCA factors. The three factors most dominated by gold are F3(41.3%), F7 (21.8%) and F5(14.2%). The most significant element in each of these gold dominated factors is Ti while La, Cd and Na are important to varying degrees in each factor. The subordinate contributing elements are lithophile with the exception of Cd.

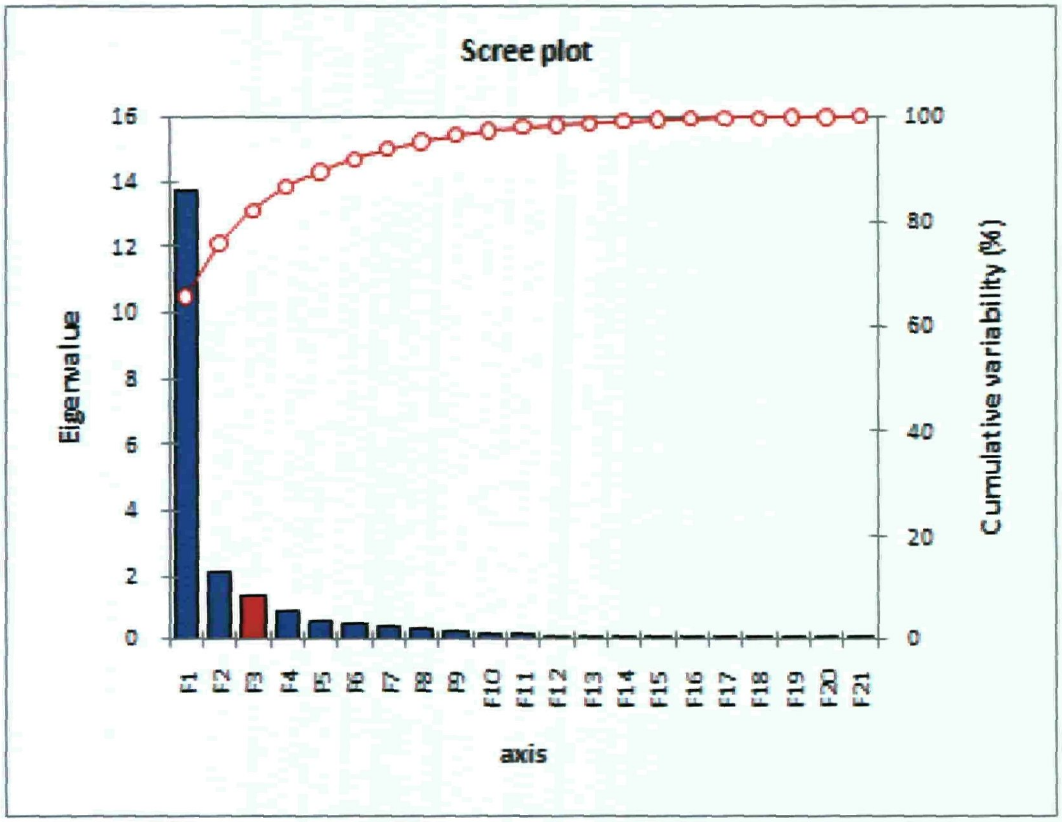


Figure 5. Scree plot of the soil geochemical principal component analysis factors. Factor F3 (red) is most strongly weighted in gold (41.3% of the factor response).

	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
Au_ppb	0.94	0.06	41.27	11.63	14.15	0.04	21.84	0.10	2.67	4.02	1.76	0.10
Al_pt	6.75	0.40	0.06	0.89	1.32	0.59	4.07	0.16	0 11	1.32	6.71	1.96
Ba	6.03	1.73	0.33	2.60	5.17	0.12	2.55	0.61	0.45	12.78	0.29	1.19
Ca_pt	3.36	21.33	1.73	0.47	0.01	3.14	0.42	0.68	2.08	0.60	0.42	0.07
Cd	2.01	2.50	28.47	5.10	0.00	22.71	19.32	2.31	13.20	0.15	2.67	0.93
Co	6 48	0.43	1.12	1.73	2.89	3.61	0.14	0.57	1.39	0.66	0.17	2.70
Cr	6.76	1 26	0.30	0.04	0.10	0.03	0.13	2.20	0.33	2 82	3.70	0.51
Cu	5.58	0.67	0.06	3.50	0.42	1.91	2.65	17.13	19.15	31.49	0.33	1.64
Fe_pt	6.24	4.16	0.02	0.90	0.96	0.46	0.01	0.27	5.96	0.53	0.92	9.56
La	2.67	0.36	5.29	17.64	45.28	0.43	23.66	3.29	0.13	0.30	0.01	0.11
Mg_pt	6.87	0.10	0.32	0.07	0.02	0.01	0.25	1.02	1.21	2.86	6.41	0.03
Mn	6.10	0.07	0.44	0.00	0.07	10.67	0.75	0.10	24.67	4.88	1.07	10.98
Mo	4.53	2.69	4.02	1.55	3.69	31.71	1.39	9.81	0.00	3.81	14.59	4.95
Na_pt	0 32	18.39	6.13	30.20	9.79	16.14	6.50	3.40	2.34	0.07	2.87	1.89
Ni	6.59	0 09	0.58	0.82	0.00	0 31	1.00	10.31	1.19	0.17	7.62	0 66
P	4.38	10.02	0 18	0.00	0.21	0.52	1.38	36.76	0.81	15.99	9.80	8 64
Pb	5.96	2.11	0.51	2.56	2 88	4.83	2.36	0.09	0.09	1.18	5.17	0.04
Sr	2.91	22.84	0.00	3.18	0.23	0.00	0.08	1.04	0.12	7.86	27.43	4.83
Ti_pt	3.94	2.74	6.33	12.01	9.21	0.92	10.39	9.72	17.96	5.56	0.50	4.99
V	5.09	7.22	1.87	4.46	2.58	0.18	0.70	0.27	5.99	0.60	5.42	28.32
Zn	6.49	0.83	0.96	0.63	1.04	1.68	0.39	0.14	0.12	2.36	2.16	15.91

	F13	F14	F15	F16	F17	F18	F19	F20	F21
Au_ppb	0.65	0.03	0.02	0.04	0.18	0.23	0.07	0.20	0.00
Al_pt	2.60	0.22	0.92	0.16	0.76	0.30	32.36	36.08	2.27
Ba	15.43	35.20	3.70	3.03	1.90	0.04	4.51	2.28	0.06
Ca_pt	0.46	12.30	1.10	8.59	21.07	8.85	2.03	3.38	7.91
Cd	0.04	0.09	0.08	0.03	0.24	0.00	0.11	0.01	0.01
Co	0.24	0.97	3.60	7.34	40.51	22.48	1.44	0.00	1.54
Cr	0.00	6.78	3.79	5.79	4.24	10.74	38.99	6.79	4.70
Cu	2.39	6.86	3.73	0.04	0.89	0.67	0.85	0.02	0.03
Fe_pt	0.13	0.33	0.64	0.87	1.16	2.22	4.39	20.24	40.01
La	0.14	0.14	0.00	0.00	0.15	0.11	0.26	0.00	0.01
Mg_pt	1.61	9.44	18.76	9.74	0.89	14.39	0.23	14.02	11.77
Mn	3.81	0.12	8.29	21.01	5.14	1.20	0.04	0.27	0.31
Mo	3.22	11.07	0.32	0.05	0.34	1.70	0.21	0.22	0.12
Na_pt	0.08	0.58	0.19	0.25	0.29	0.26	0.04	0.13	0.15
Ni	0.86	7.02	23.31	4.54	0.43	15.77	4.26	8.79	5.67
P	0 23	1.06	5.59	1.29	2.22	0.00	0.05	0.08	0.77
Pb	43.23	5.09	10.92	3 15	1.76	5.78	1.49	0.79	0.01
Sr	4.33	0.06	0.00	8.40	10.96	1.04	3.34	0.49	0.86
Ti_pt	0.22	1.85	0.21	10 06	0.97	0.01	1.86	0.02	0.53
V	0.03	0.02	0.02	2.05	5.78	1.97	1.79	4.17	21.46
Zn	20.29	0.77	14 82	13.57	0.12	12.23	1.66	2.01	1.80

7.5 Investigation of soil sample contamination by volcanic ash.

The project area has been covered by a felsic ash fall (White River Ash - ~ 600AD). To determine the extent to which soil sample results might be contaminated by incorporation of this material, repeat samples were taken at different depths at five sample sites. The results are contained in the spreadsheets appended to this report on CD-ROM. Samples collected at the repeat sites were take from two horizons. The upper horizon (UH) was homogeneous, often bleached, well sorted and dominated by a medium grained (sand size) fraction whereas the lower horizon (LH) was darker and more poorly sorted..

Figure 13 (below) summarizes the results of the duplicate measurements. The graph depicts the response from the upper and lower horizons calculated by averaging the response from each horizon. In general the two response patterns are similar, suggesting that both horizons are sampling the same material. The upper horizon is depleted most notably in Al, Ca, Co, Cr, Cu, Fe, Mg, Pb, Y and Zn but is not enriched in any analyzed element. It is interesting that the Na response is virtually identical between the two sample sets. This suggests that admixed felsic volcanic ash is probably not the source of the elemental depletion. Instead, it appears more likely that the difference in response between the soil horizons might be caused by soil formation processes (weathering and leaching).

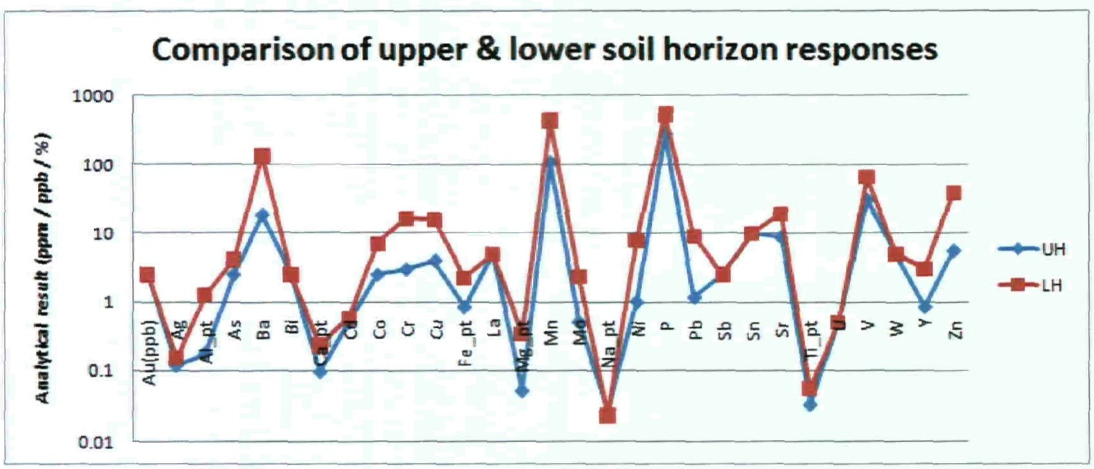
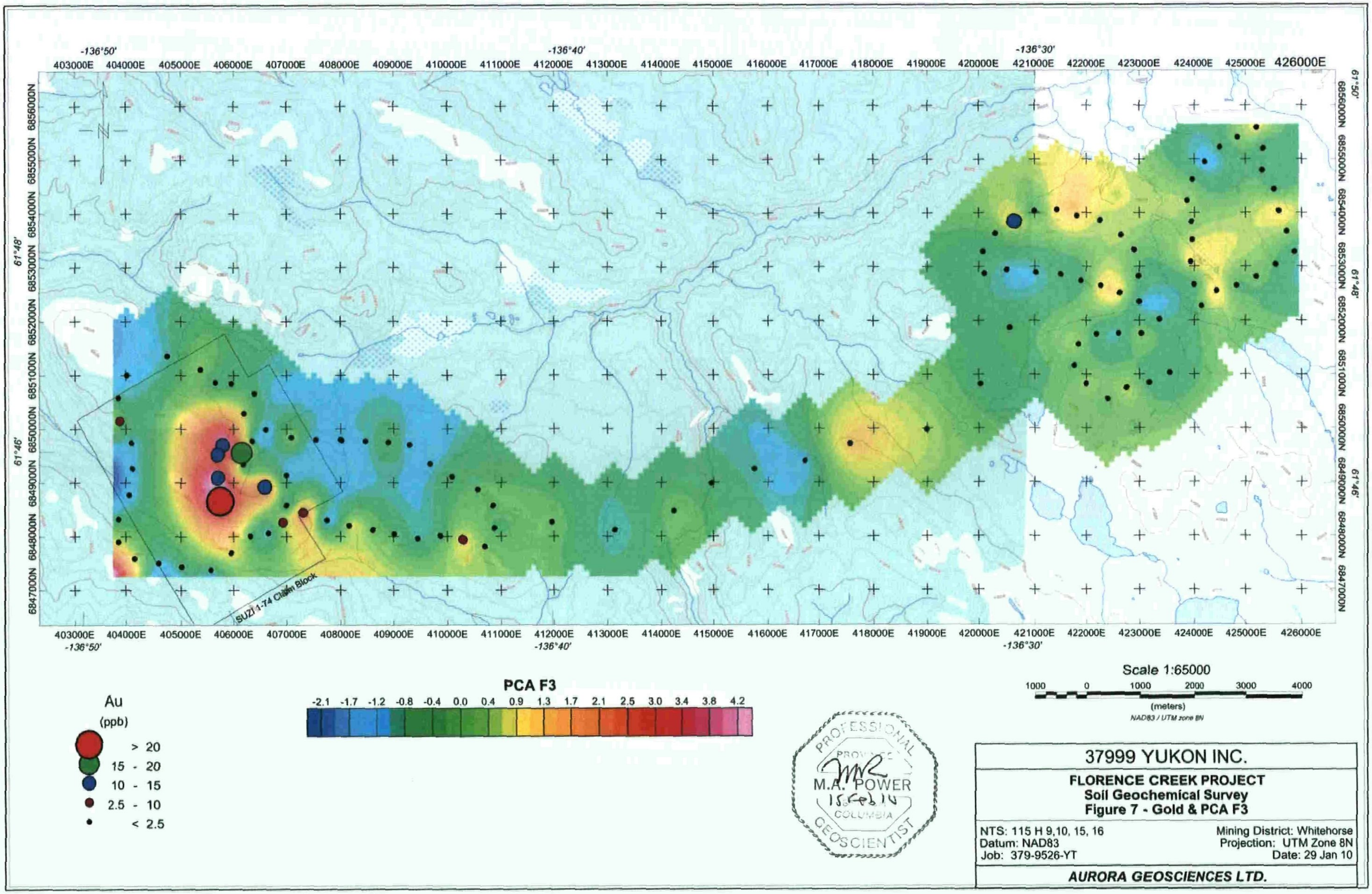


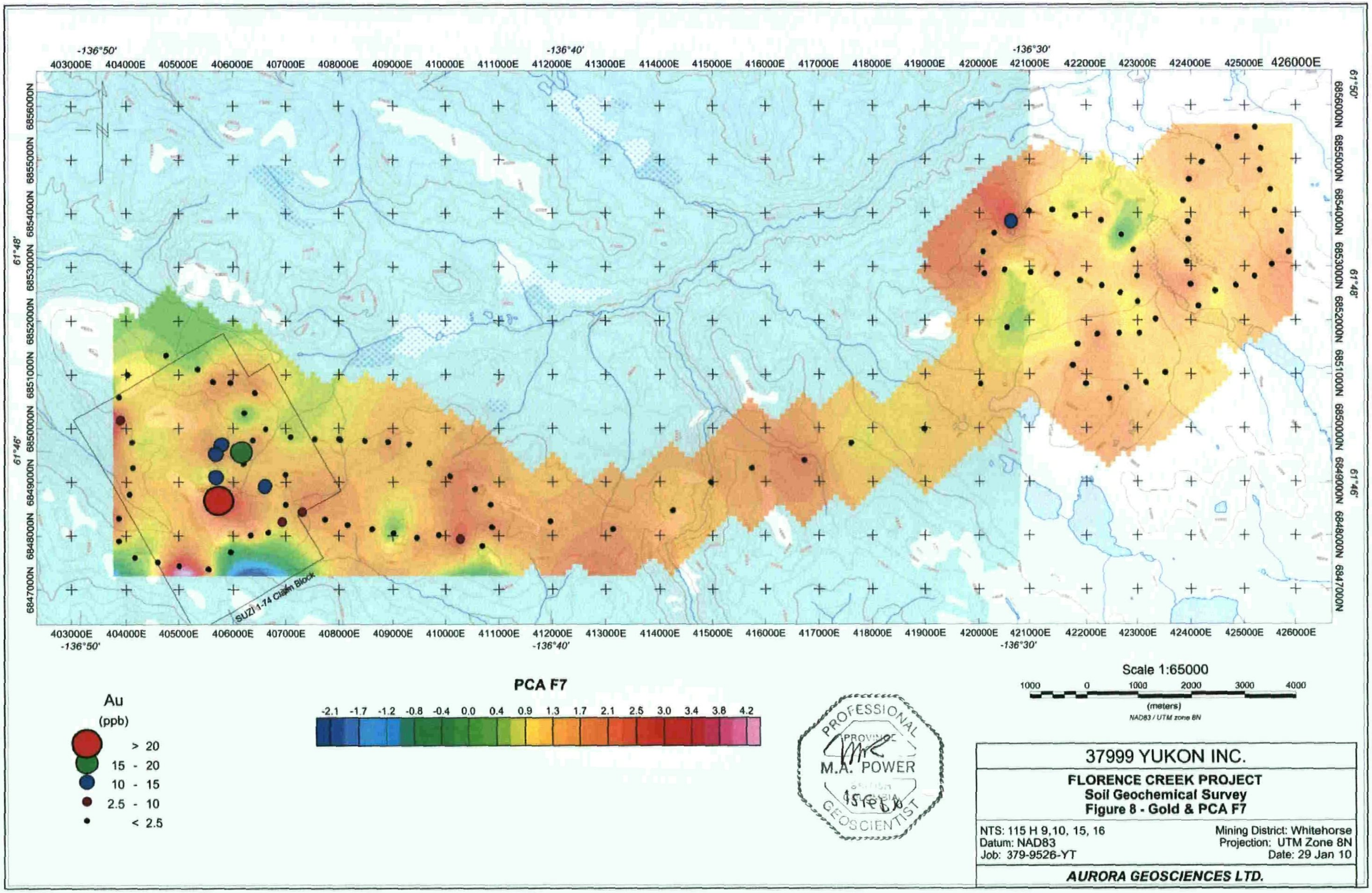
Figure 13. Comparison of soil geochemical responses from the average upper and lower soil horizon responses at 5 sites.

7.6 Results

The pertinent results of the soil geochemical survey are plotted in Figures 7 through 12. The bin thresholds in all presentations are based on percentiles and not absolute



SUZI 1-74 Claim Block
Au
(ppb)
> 20
15 - 20
10 - 15
2.5 - 10
< 2.5
PCA F3
-2.1 -1.7 -1.2 -0.8 -0.4 0.0 0.4 0.9 1.3 1.7 2.1 2.5 3.0 3.4 3.8 4.2
Scale 1:65000
1000 0 1000 2000 3000 4000
(meters)
NAD83 / UTM zone 8N
PROFESSIONAL
PROVINCE
M.A. POWER
15 Feb 14
COLUMBIA
GEOSCIENTIST
37999 YUKON INC.
FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 7 - Gold & PCA F3
NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10
AURORA GEOSCIENCES LTD.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-136°40'
-136°30'
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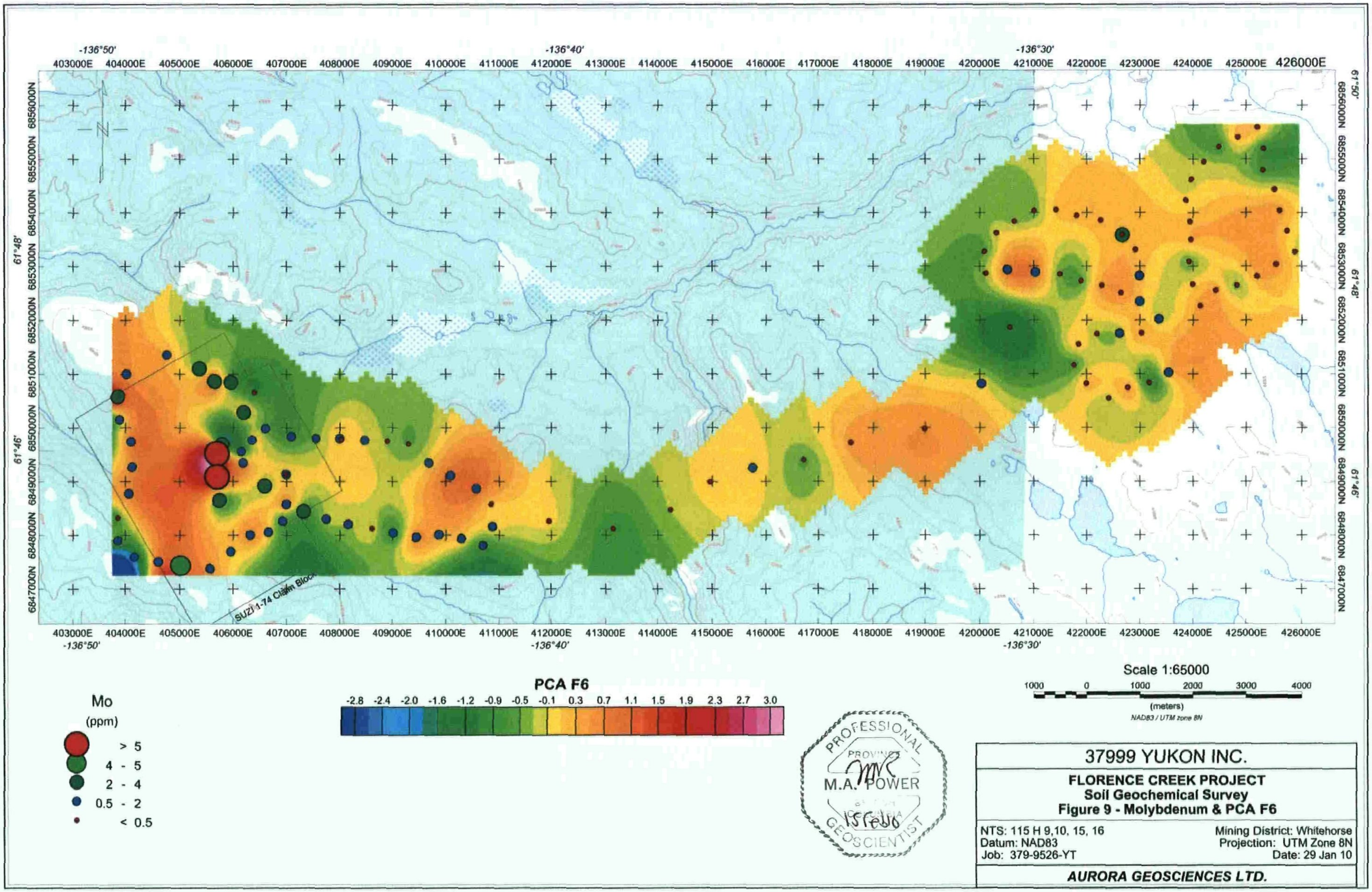
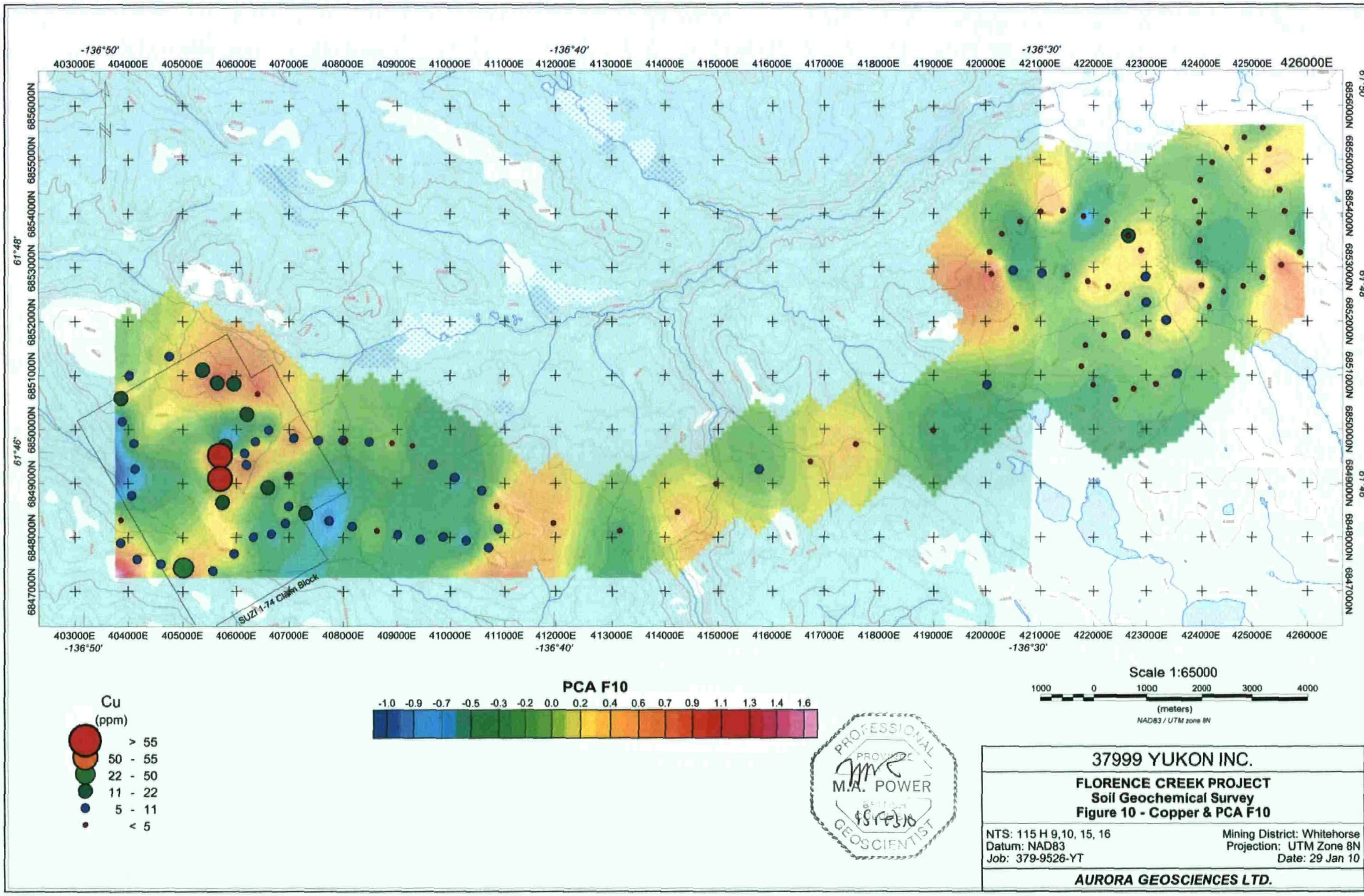
6856000N 6855000N 6854000N 6853000N 6852000N 6851000N 6850000N 6849000N 6848000N 6847000N
61°50'
61°48'
61°46'
SUZI 1-74 Claim Block
Au
(ppb)
> 20
15 - 20
10 - 15
2.5 - 10
< 2.5
PCA F7
-2.1 -1.7 -1.2 -0.8 -0.4 0.0 0.4 0.9 1.3 1.7 2.1 2.5 3.0 3.4 3.8 4.2
PROFESSIONAL
PROVINCE
M.A. POWER
BRITISH COLUMBIA
GEOSCIENTIST
15 Feb 10
Scale 1:65000
1000 0 1000 2000 3000 4000
(meters)
NAD83 / UTM zone 8N
37999 YUKON INC.
FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 8 - Gold & PCA F7
NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10
AURORA GEOSCIENCES LTD.



SUZI 1-74 Claim Block
Mo (ppm)
> 5
4 - 5
2 - 4
0.5 - 2
< 0.5
PCA F6
-2.8 -2.4 -2.0 -1.6 -1.2 -0.9 -0.5 -0.1 0.3 0.7 1.1 1.5 1.9 2.3 2.7 3.0
Scale 1:65000
1000 0 1000 2000 3000 4000
(meters)
NAD83 / UTM zone 8N
PROFESSIONAL
M.A. POWER
GEOSCIENTIST
15 Feb 10
37999 YUKON INC.
FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 9 - Molybdenum & PCA F6
NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10
AURORA GEOSCIENCES LTD.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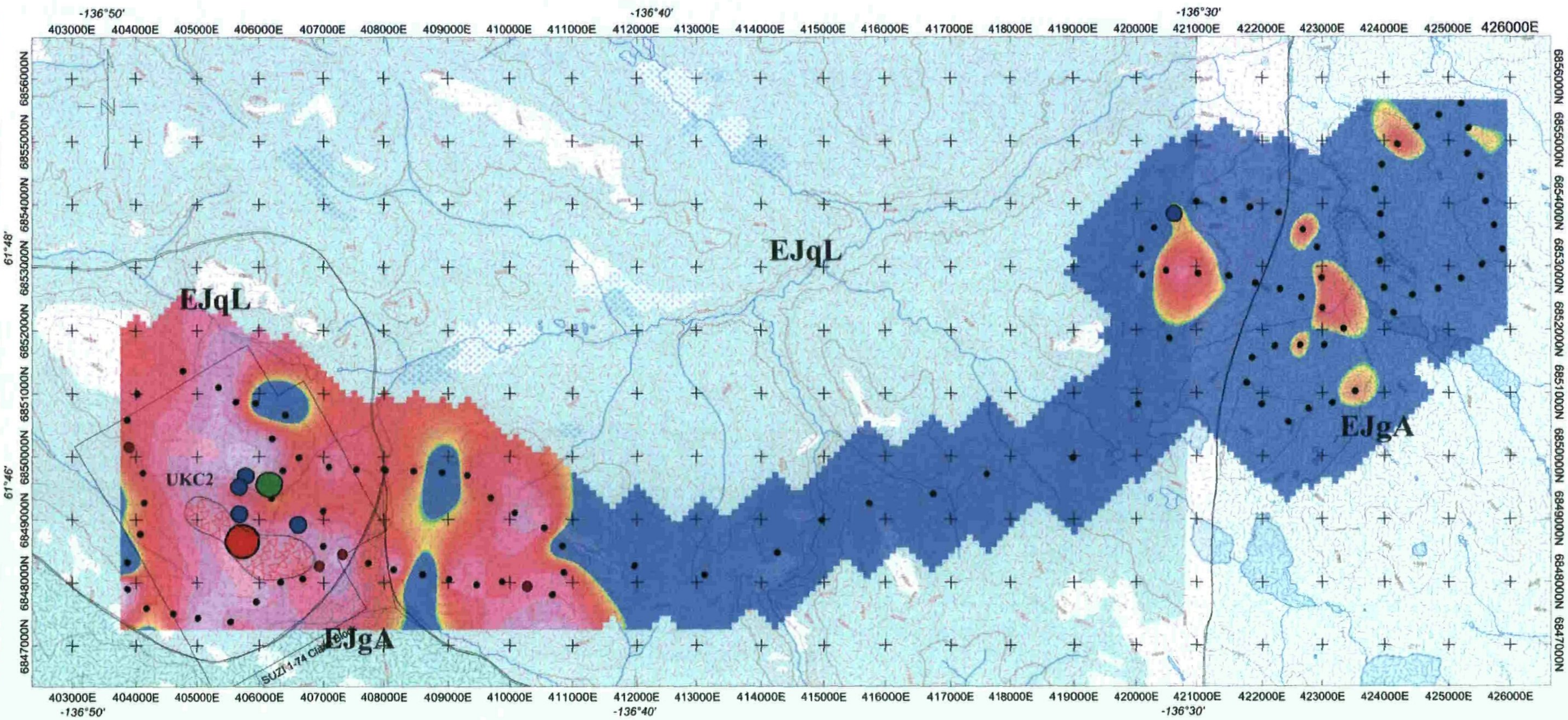
6854000N
6853000N
6852000N
6851000N
6850000N
6849000N
6848000N
6847000N
61°50'
61°48'
61°46'
SUZI 1-74 Claim Block
Cu
(ppm)
> 55
50 - 55
22 - 50
11 - 22
5 - 11
< 5
PCA F10
-1.0 -0.9 -0.7 -0.5 -0.3 -0.2 0.0 0.2 0.4 0.6 0.7 0.9 1.1 1.3 1.4 1.6
Scale 1:65000
1000 0 1000 2000 3000 4000
(meters)
NAD83 / UTM zone 8N
PROFESSIONAL
M.A. POWER
GEOSCIENTIST
37999 YUKON INC.
FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 10 - Copper & PCA F10
NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10
AURORA GEOSCIENCES LTD.



Au (ppb)

- > 20
- 15 - 20
- 10 - 15
- 2.5 - 10
- < 2.5

PCA F1

0.0 0.0 0.0 0.0 0.1 0.1 0.1 0.2 0.3 0.5 0.7 1.1 1.7 2.6 4.1 6.3

UKC2	*Carmacks Volcanics*
EJqL	*Long Lake Suite*
EJgA	*Aishihik Suite*

Scale 1:65000

1000 0 1000 2000 3000 4000 (meters)

NAD83 / UTM zone 8N

37999 YUKON INC.

FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 11 - PCA F1 & Gold

NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT

Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10

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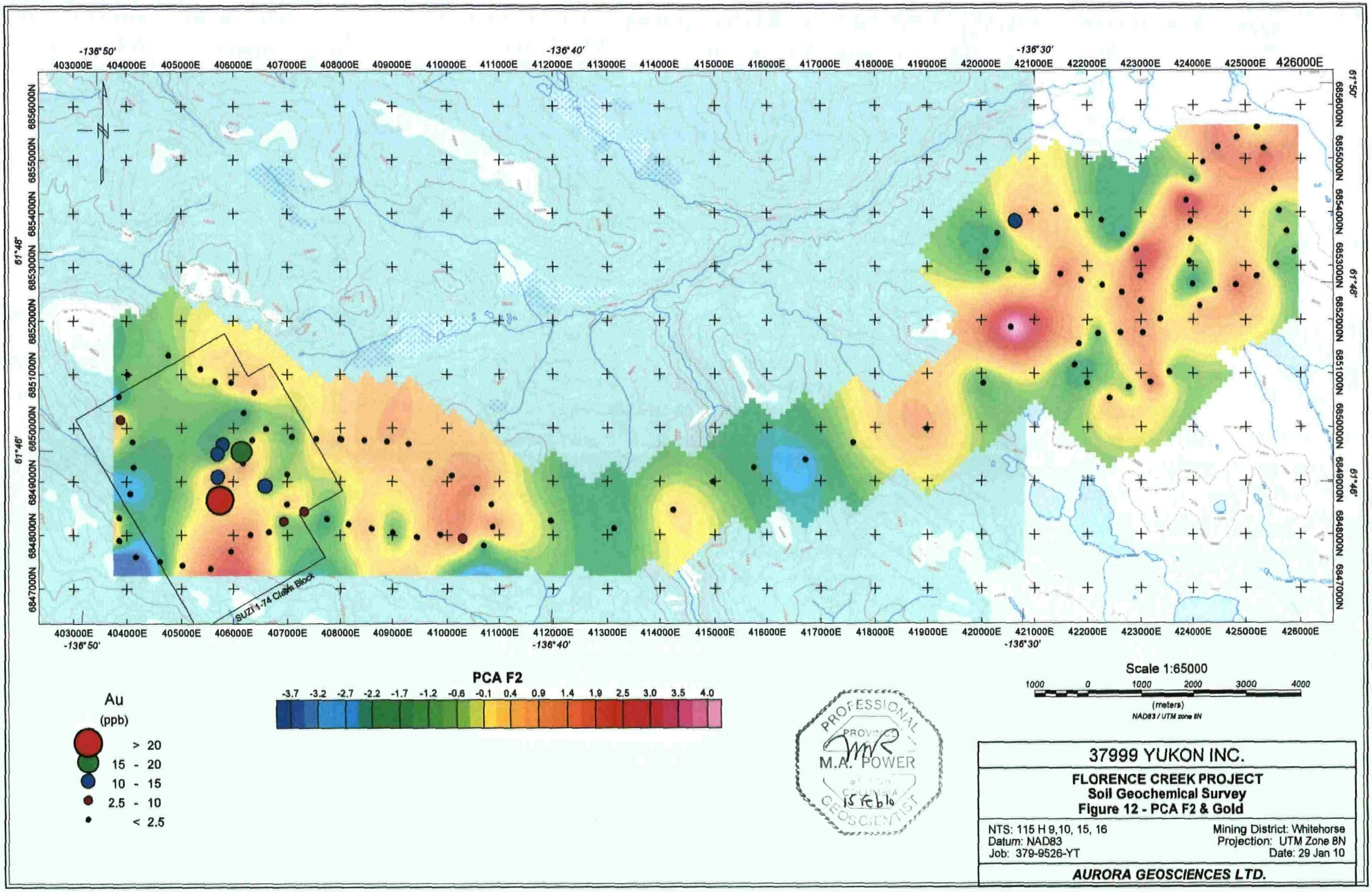
M. A. POWER
COLUMBIA
GEOSCIENTIST



-136°50'
-136°40'
-136°30'
403000E
404000E
405000E
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407000E
408000E
409000E
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411000E
412000E
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414000E
415000E
416000E
417000E
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419000E
420000E
421000E
422000E
423000E
424000E
425000E
426000E
6856000N
6855000N
6854000N
6853000N
6852000N
6851000N
6850000N
6849000N
6848000N
6847000N
61°50'
61°48'
61°46'
SUZI 1-74 Claim Block
Au
(ppb)
> 20
15 - 20
10 - 15
2.5 - 10
< 2.5
PCA F2
-3.7 -3.2 -2.7 -2.2 -1.7 -1.2 -0.6 -0.1 0.4 0.9 1.4 1.9 2.5 3.0 3.5 4.0
PROFESSIONAL
M.A. POWER
GEOSCIENTIST
15 Feb 10
Scale 1:65000
1000 0 1000 2000 3000 4000
(meters)
NAD83 / UTM zone 8N
37999 YUKON INC.
FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 12 - PCA F2 & Gold
NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10
AURORA GEOSCIENCES LTD.

response thresholds. Where the distributions are not heavily left censored, the dot plot bin thresholds are the 25th, 50th, 75th, 95th and 98th percentiles with color intensity (dark to red) and dot sizes increasing with percentile rank. The factor responses for each station were contoured and are plotted in linear color schemes from blue (low) to red (high) with one exception. PCA F1 is plotted in a log linear scale using the same colour scheme to highlight bedrock geochemical response differences.

The principal commodities of interest in the project area are Au, Mo and Cu. Figures 7 and 8 show gold results overlain on PCA F3 and PCA F7 respectively. Gold response in the project area was very low with the peak value of only 30 ppb. PCA factor F3 is the is the strongest gold factor (41% Au dominant) and consists of a high in the area of the Tahte Showing. PCA factor F7 is the second strongest gold factor (22% Au dominant) and is a broad pattern covering the project area. PCA F3 is proportionately stronger in Mo while PCA F7 has a higher contribution from Al and Cu. The former suggests that this factor might be related to the proportion of weathering products such as clay and could be reflecting overburden processes. The geochemical survey results suggests any gold mineralization along the south side of Florence Creek is confined to the area of the Tahte Showing.

Figure 9 illustrates Mo response overlain on PCA factor F6, the factor dominated by Mo (31%). The Mo response is very low with a peak value of 21 ppm. The only area of significant Mo response is in the area of the Tahte Showing.

Figure 10 illustrates Cu response overlain on PCA factor F10, the factor dominated by Cu (32%). The Cu response was also quite low with a peak value of 99 ppm near the Tahte Showing.

PCA factor F1 is the most significant factor, explaining 65% of the variability in the geochemical response. This factor is dominated in balanced proportions by most of the metallic elements. Figure 11 shows the contoured factor scores for this response together with the gold response. It is clear from this response, accentuated with a log linear colour scale, that there are two geochemical domains in the data set. These likely reflect changes in bedrock composition. Gold, Cu and Mo geochemical response is almost exclusively confined to the western portion of the project area.

PCA factor F2 is the second most significant factor accounting for 10% of the variability in the geochemical response. This factor is dominated by Ca, Na, Sr and P and is illustrated in Figure 12 together with the gold response. Factor F2 is interpreted to arise from volcanic ash response. It is likely that all samples in the project area contain White River Ash in varying proportions. The elements dominant in PCA F2 are those that would likely also dominate a felsic volcanic tuff. It is unfortunate the K was not included in the suite of analyzed elements as this would have been a diagnostic element for this response.

8.0 PROSPECTING

Prospecting in the project area was inhibited by a lack of outcrop. The results of the prospecting are summarized in Appendix F and Figure 14 depicts the prospecting station locations.

No bedrock samples with significant potential economic mineralization were found at any of the sample stations and no rocks were consequently submitted for assay. Samples have been retained for reference.

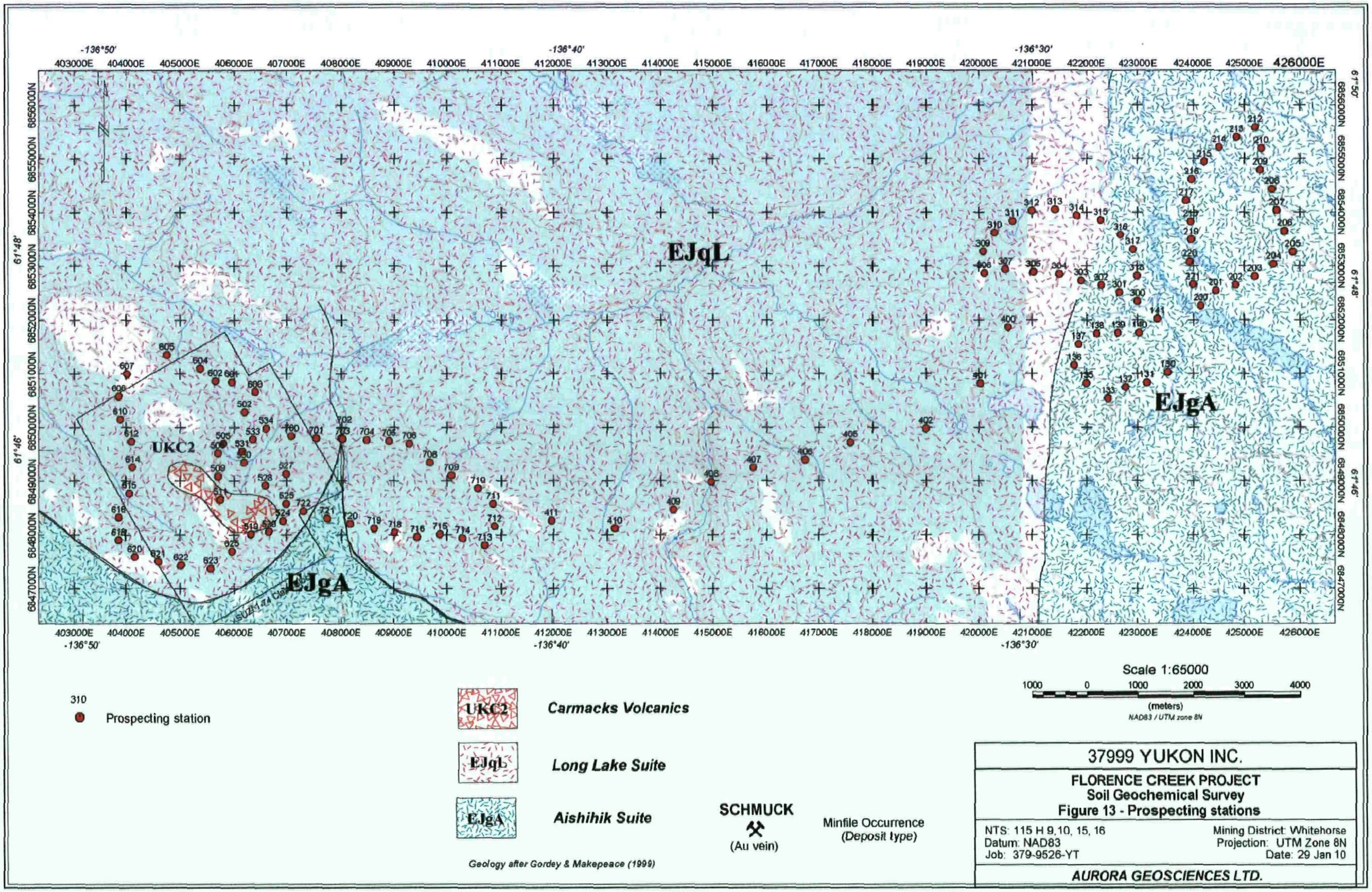
9.0 CONCLUSIONS

The results of the prospecting and geochemical surveys conducted to date in the project area support the following conclusions:

a. Soil responses suggest that the only area where significant Au, Mo or Cu mineralization might be found is in the vicinity of the Tahte Showing.

b. Soil sample results in this area are not significantly affected by volcanic ash but it is important to ensure that samples are extracted from the unweathered lower horizons.

c. No significant mineralization or soil response was found south of Florence Creek. The source of the placer gold in Florence Creek remains unexplained.


EJqL
EJgA
UKC2
310
Prospecting station
UKC2 Carmacks Volcanics
EJqL Long Lake Suite
EJgA Aishihik Suite
Geology after Gordey & Makepeace (1999)
SCHMUCK
(Au vein)
Minfile Occurrence
(Deposit type)
Scale 1:65000
1000 0 1000 2000 3000 4000
(meters)
NAD83 / UTM zone 8N
37999 YUKON INC.
FLORENCE CREEK PROJECT
Soil Geochemical Survey
Figure 13 - Prospecting stations
NTS: 115 H 9,10, 15, 16
Datum: NAD83
Job: 379-9526-YT
Mining District: Whitehorse
Projection: UTM Zone 8N
Date: 29 Jan 10
AURORA GEOSCIENCES LTD.

12.0 RECOMMENDATIONS

The following recommendations, based on the conclusions of this report are made for additional work on this property:

a. The Tahte Showing should be staked and explored if it comes open

b. In future reconnaissance projects, a couple of claims should be put on all showings visited to hold the ground in the event that significant geochemical results are returned from analyses.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Mike Power M.Sc P.Geo
Geologist

REFERENCES CITED

Gordey, S. P. and A. J. Makepeace (1999). Yukon Digital Geology. Geological Survey of Canada Open File D3826.

Grunsky, E.C. (2007). The interpretation of regional geochemical survey data. In: Proceedings of Exploration '07: Fifth Decennial International Conference on Mineral Exploration. p139-182.

APPENDIX A. CERTIFICATE

I, Michael Allan Power, M Sc P Geo., P Geoph , with business and residence addresses in Whitehorse, Yukon Territory do hereby certify that:

1. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (registration number 21131) and a professional geophysicist registered by the Northwest Territories Association of Professional Engineers, Geologists and Geophysicists (licensee L942).

2. I am a graduate of the University of Alberta with a B.Sc (Honours) degree in Geology obtained in 1986 and a M.Sc. in Geophysics obtained in 1988

3. I have been actively involved in mineral exploration the Northern Cordillera since 1988.

Dated this 8th day of February, 2010 in Whitehorse, Yukon.

Respectfully Submitted,

Michael A. Power M Sc P Geo

APPENDIX B. SURVEY LOG

AURORA GEOSCIENCES

PROJECT LOG

JOB 379-9526-YT FLORENCE CREEK RECONNAISSANCE

28-Jun-2009	Mobe up highway to Twin Lakes, meet helicopter, drop camp gear and two set locations, set up initial camp at east end of project area, complete short traverse of soil sampling to south.
29-Jun-2009	Traverse of soil sampling looping back to camp to northeast
30-Jun-2009	Traverse of soil sampling looping back to camp to southwest
1-Jul-2009	Camp move and soil sampling along traverse to second camp location - Tahte showing area
2-Jul-2009	Prospecting about Tahte showing
3-Jul-2009	Traverse soil sampling to the south looping back to camp
4-Jul-2009	Traverse soil sampling to the east looping back to camp
5-Jul-2009	Traverse soil sampling to the west looping back to camp, pack camp and meet helicopter. Mobe back to Whitehorse late in the evening.

Personnel:

Dave White	Anthony Margarit
Crew Chief	Prospector
3502 Raccine Road	34A Laberge Road
Yellowknife NT X1A 2J3	Whitehorse, YT Y1A 5Y9

APPENDIX C. STATEMENT OF COSTS

JOB 379-9526-YT FLORENCE CREEK

PROJECT EXPENDITURES

Preparation, mobe, demobe		
Digitizing, map preparation, air photo examination D.White: 15 hours @ $90	$1,350.00	
Equipment preparation:	$500.00	
Truck & Driver: Mobe	$250.00	
Truck & Driver: Demobe	$250.00	
Total - Prep, mobe, demobe	*$2,350.00*	$2,350.00
Prospecting & geochem survey		
Geologist / crew chief: D.White 8 days @ $550	$4,400.00	
Geologist / prospector: A. Margarit 8 days @ $500	$4,000.00	
Camp: 8 days @ $115	$920.00	
Geological & safety equip: SAT, radios, GPS, PPC, tools	$400.00	
Total - Prospecting & geochem	*$9,720.00*	$9,720.00
Supplies & services		
Assays	$8,990.24	
Food	$447.98	
Helicopter	$7,728.40	
Total - Supplies & services	*$17,166.62*	$17,166.62
Report		
Report preparation:	$3,500.00	$3,500.00
Total project costs		$32,736.62

I certify that this statement of expenditures is true and correct to the best of my knowledge.

M A POWER
COLUMBIA

M.A. Power P.Geo
Geologist

APPENDIX D. GEOCHEMICAL DATA COMPILATION

STN_No	Sample #	UTME N83Z8N	UTMN N83Z8N	Elev	Date	Sampler	Sample Type	Sampled Horizon	Horizon Depth	Horizon Thickness
130	ADA001	423536	6851024	1141	28/6/09	DW/AM	Till	A/C	25	
131	ADA002	423170	6850840	1171	28/6/09	DW/AM	Till	A/C	25	
132	ADA003	422770	6850748	1231	28/6/09	DW/AM	Till	A/C	25	
133	ADA004	422420	6850543	1260	28/6/09	DW/AM	Till	A/C	25	
135	ADA005	421991	6850825	1239	28/6/09	DW/AM	Till	A/C	25	
136	ADA006	421760	6851159	1222	28/6/09	DW/AM	Till	A/C	25	
137	ADA007	421843	6851553	1191	28/6/09	DW/AM	Till	A/C	25	
138	ADA008	422197	6851744	1164	28/6/09	DW/AM	Till	A/C	25	
139	ADA009	422623	6851760	1141	28/6/09	DW/AM	Till	A/C	25	
140	ADA010	423033	6851759	1133	28/6/09	DW/AM	Till	A/C	25	
141	ADA011	423353	6852023	1111	28/6/09	DW/AM	Till	A/C	25	
200	ADA012	424140	6852267	1095	29/6/09	DW/AM	Till	A/C	25	
201	ADA013	424436	6852552	1128	29/6/09	DW/AM	Till	A/C	25	
202	ADA014	424829	6852650	1116	29/6/09	DW/AM	Till	A/C	25	
203	ADA015	425197	6852814	1136	29/6/09	DW/AM	Till	A/C	25	
204	ADA016	425534	6853036	1195	29/6/09	DW/AM	Till	A/C	25	
205	ADA017	425873	6853269	1262	29/6/09	DW/AM	Till	A/C	25	
206	ADA018	425732	6853657	1263	29/6/09	DW/AM	Till	A/C	25	
207	ADA019	425593	6854038	1238	29/6/09	DW/AM	Till	A/C	25	
208	ADA020	425509	6854435	1223	29/6/09	DW/AM	Till	A/C	25	
209	ADA021	425300	6854792	1165	29/6/09	DW/AM	Till	A/C	25	
210	ADA022	425318	6855196	1110	29/6/09	DW/AM	Till	A/C	25	
212	ADA023	425203	6855589	1096	29/6/09	DW/AM	Till	A/C	25	
213	ADA024	424848	6855404	1107	29/6/09	DW/AM	Till	A/C	25	
214	ADA025	424499	6855219	1097	29/6/09	DW/AM	Till	A/C	25	
215	ADA026	424205	6854944	1112	29/6/09	DW/AM	Till	A/C	25	
216	ADA027	423965	6854619	1117	29/6/09	DW/AM	Till	A/C	25	
216	ADA028	423965	6854619	1117	29/6/09	DW/AM	Till	A/C	25	
217	ADA029	423863	6854229	1102	29/6/09	DW/AM	Till	A/C	25	
218	ADA030	423944	6853834	1105	29/6/09	DW/AM	Till	A/C	25	
218	ADA031	423944	6853834	1105	29/6/09	DW/AM	Till	A/C	25	
219	ADA032	423958	6853498	1104	29/6/09	DW/AM	Till	A/C	25	

220	ADA033	423927	6853086	1112	29/6/09	DW/AM	Till	A/C	25
221	ADA034	423991	6852666	1108	29/6/09	DW/AM	Till	A/C	25
300	ADA035	422999	6852348	1107	30/6/09	DW/AM	Till	A/C	25
301	ADA036	422649	6852512	1132	30/6/09	DW/AM	Till	A/C	25
302	ADA037	422282	6852644	1177	30/6/09	DW/AM	Till	A/C	25
303	ADA038	421890	6852735	1194	30/6/09	DW/AM	Till	A/C	25
304	ADA039	421495	6852855	1214	30/6/09	DW/AM	Till	A/C	25
305	ADA040	421028	6852889	1301	30/6/09	DW/AM	Till	A/C	25
307	ADA041	420506	6852940	1287	30/6/09	DW/AM	Till	A/C	25
308	ADA042	420107	6852871	1297	30/6/09	DW/AM	Till	A/C	25
309	ADA043	420081	6853276	1266	30/6/09	DW/AM	Till	A/C	25
310	ADA044	420302	6853619	1247	30/6/09	DW/AM	Till	A/C	25
311	ADA045	420638	6853843	1198	30/6/09	DW/AM	Till	A/C	25
312	ADA046	420997	6854031	1166	30/6/09	DW/AM	Till	A/C	25
313	ADA047	421416	6854056	1151	30/6/09	DW/AM	Till	A/C	25
314	ADA048	421805	6853944	1147	30/6/09	DW/AM	Till	A/C	25
315	ADA049	422268	6853859	1115	30/6/09	DW/AM	Till	A/C	25
316	ADA050	422671	6853585	1115	30/6/09	DW/AM	Till	A/C	25
316	ADA051	422671	6853585	1115	30/6/09	DW/AM	Till	A/C	25
317	ADA052	422912	6853310	1103	30/6/09	DW/AM	Till	A/C	25
318	ADA053	422990	6852823	1102	30/6/09	DW/AM	Till	A/C	25
319	ADA054	421751	6852635	1194	30/6/09	DW/AM	Till	A/C	25
400	ADA060	420556	6851867	1189	01/07/09	DW/AM	Till	A/C	25
401	ADA061	420027	6850823	1226	01/07/09	DW/AM	Till	A/C	25
402	ADA062	418987	6849979	0	01/07/09	DW/AM	Till	A/C	25
405	ADA063	417585	6849723	1222	01/07/09	DW/AM	Till	A/C	25
406	ADA064	416726	6849399	1222	01/07/09	DW/AM	Till	A/C	25
407	ADA065	415743	6849253	1256	01/07/09	DW/AM	Till	A/C	25
408	ADA066	414966	6848986	1035	01/07/09	DW/AM	stream	A/C	streambed
409	ADA067	414248	6848469	1218	01/07/09	DW/AM	Till	A/C	25
410	ADA068	413131	6848121	1308	01/07/09	DW/AM	Till	A/C	25
411	ADA069	411958	6848265	1335	01/07/09	DW/AM	Till	A/C	25
502	ADA070	406199	6850287	1337	02/07/09	DW/AM	Till	A/C	25
505	ADA071	405790	6849696	1373	02/07/09	DW/AM	Till	A/C	25
506	ADA072	405689	6849517	1376	02/07/09	DW/AM	Till	A/C	25

509	ADA073	405693	6849087	1388	02/07/09	DW/AM	Till	A/C	25		
511	ADA074	405739	6848653	1438	02/07/09	DW/AM	Till	A/C	25		
519	ADA075	406321	6848009	1453	02/07/09	DW/AM	Till	A/C	25		
520	ADA076	406663	6848060	1431	02/07/09	DW/AM	Till	A/C	25		
524	ADA077	406931	6848260	1422	02/07/09	DW/AM	Till	A/C	25		
525	ADA078	406996	6848578	1393	02/07/09	DW/AM	Till	A/C	25		
527	ADA079	406994	6849135	1340	02/07/09	DW/AM	Till	A/C	25		
527	ADA080	406994	6849135	1340	02/07/09	DW/AM	Till	A/C	25		
528	ADA081	406594	6848919	1369	02/07/09	DW/AM	Till	A/C	25		
530	ADA082	406185	6849343	1318	02/07/09	DW/AM	Till	A/C	25		
531	ADA083	406152	6849557	1328	02/07/09	DW/AM	Till	A/C	25		
533	ADA084	406358	6849777	1299	03/07/09	DW/AM	Till	A/C	25		
534	ADA085	406608	6849985	1275	03/07/09	DW/AM	Till	A/C	25		
600	ADA086	406397	6850658	1256	03/07/09	DW/AM	Till	A/C	25		
601	ADA087	405954	6850847	1279	04/07/09	DW/AM	Till	A/C	25		
601	ADA088	405954	6850847	1279	04/07/09	DW/AM	Till	A/C	25		
602	ADA089	405644	6850864	1310	04/07/09	DW/AM	Till	A/C	25		
604	ADA090	405363	6851100	1283	04/07/09	DW/AM	Till	A/C	25		
605	ADA091	404758	6851352	1284	04/07/09	DW/AM	Till	A/C	25		
607	ADA092	404019	6850999	1468	04/07/09	DW/AM	Till	A/C	25		
608	ADA093	403856	6850580	1420	04/07/09	DW/AM	Till	A/C	25		
610	ADA094	403885	6850150	1370	04/07/09	DW/AM	FB	C	25	n/a	
612	ADA095	404106	6849740	1357	04/07/09	DW/AM	FB	C	25	n/a	
614	ADA096	404124	6849264	1324	04/07/09	DW/AM	Till	C1	2		5
614	ADA097	404124	6849264	1324	04/07/09	DW/AM	Till	C	7	n/a	
615	ADA098	404061	6848772	1309	04/07/09	DW/AM	Till	C1	8		10
615	ADA099	404061	6848772	1309	04/07/09	DW/AM	Till	C	18	n/a	
616	ADA100	403858	6848323	1342	04/07/09	DW/AM	Till	C1	17		15
618	ADA101	403858	6847901	1393	04/07/09	DW/AM	FB	C	25	n/a	
620	ADA102	404165	6847592	1433	04/07/09	DW/AM	FB	C	25	n/a	
621	ADA103	404602	6847507	1450	04/07/09	DW/AM	FB	C	25	n/a	
622	ADA104	405014	6847436	1424	04/07/09	DW/AM	FB	C	25	n/a	
623	ADA105	405558	6847377	1421	04/07/09	DW/AM	FB	C	25	n/a	
625	ADA106	405957	6847696	1431	04/07/09	DW/AM	FB	C	25	n/a	

700	ADA107	407090	6849841	1264	05/07/09	DW/AM	FB	C		25	n/a	
701	ADA108	407549	6849799	1223	05/07/09	DW/AM	Till	C1		20		4
701	ADA109	407549	6849799	1223	05/07/09	DW/AM	Till	C		24	n/a	
702	ADA110	407999	6849801	1212	05/07/09	DW/AM	Till	C		25	n/a	
703	ADA111	408024	6849786	1210	05/07/09	DW/AM	stream	C	streambed		n/a	
704	ADA112	408471	6849772	1233	05/07/09	DW/AM	Till	C		17	n/a	
705	ADA113	408902	6849748	1243	05/07/09	DW/AM	Till	C1		2		8
706	ADA114	409303	6849702	1261	05/07/09	DW/AM	FB	C		5	n/a	
708	ADA115	409685	6849346	1324	05/07/09	DW/AM	FB	C		25	n/a	
709	ADA116	410083	6849107	1349	05/07/09	DW/AM	FB	C		25	n/a	
710	ADA117	410564	6848866	1379	05/07/09	DW/AM	FB	C		25	n/a	
711	ADA118	410847	6848575	1373	05/07/09	DW/AM	FB					
712	ADA119	410871	6848158	1368	05/07/09	DW/AM	Till					
713	ADA120	410693	6847807	1372	05/07/09	DW/AM	Till					
714	ADA121	410286	6847938	1324	05/07/09	DW/AM	Till					
715	ADA122	409872	6848013	1326	05/07/09	DW/AM	Till					
716	ADA123	409452	6847963	1330	05/07/09	DW/AM	Till					
718	ADA124	409012	6848048	1368	05/07/09	DW/AM	Till					
719	ADA125	408609	6848124	1293	05/07/09	DW/AM	Till					
719	ADA126	408609	6848124	1293	05/07/09	DW/AM	Till					
720	ADA127	408157	6848203	1287	05/07/09	DW/AM	Till					
721	ADA128	407745	6848305	1344	05/07/09	DW/AM	Till					
722	ADA129	407315	6848444	1384	05/07/09	DW/AM	Till					
128	STN128	423919	6851716	1144	28/6/09	DW/AM	Till	A/C		25	?	
129	STN129	424147	6851382	1160	28/6/09	DW/AM	Till	A/C		25		
134		422228	6850462	1292								
211		425307	6855606	1087								
306		420962	6852950	1318								
403		418792	6849969	1187								
404		417815	6849726	1218								
500		406394	6850354	1322								
501		406355	6850357	1321								
503		405958	6850130	1391								

STN_No	Sample #	Colour	Cobbles	Pebbles	Sand	Silt	Clay	Texture	Compactness (5h4321)	Moisture (AwBCDE)
130	ADA001	Brn	20		50		30			
131	ADA002	gy-brn			50		50			
132	ADA003	gy-brn	0				50			
133	ADA004	gy-brn	0				40			
135	ADA005	Brn								
136	ADA006	Brn								
137	ADA007	Brn								
138	ADA008	Brn								
139	ADA009	Brn		10			90			
140	ADA010	brn/bg								
141	ADA011	Brn	10		70		20			
200	ADA012	Brn								
201	ADA013	Brn	35							
202	ADA014	Brn					30			
203	ADA015	Brn								
204	ADA016	Brn	10		60		30			
205	ADA017	Brn	15				25			
206	ADA018	Brn	5				15			
207	ADA019	gy								
208	ADA020	Brn								
209	ADA021	Brn					40			
210	ADA022	Brn								
212	ADA023	Brn								
213	ADA024	Brn					15			
214	ADA025	Brn								
215	ADA026	Brn	20		70		10			
216	ADA027	Brn			20		20			
216	ADA028	Brn					5			
217	ADA029	Brn								
218	ADA030	Brn								
218	ADA031	Brn								
219	ADA032	Brn					10			

220	ADA033	Brn		15
221	ADA034	Brn		
300	ADA035	Brn		30
301	ADA036	Brn		
302	ADA037	Brn		
303	ADA038	Brn		30
304	ADA039	Brn		
305	ADA040	Brn		
307	ADA041	Brn		10
308	ADA042	Brn		
309	ADA043	Brn		
310	ADA044	Brn		
311	ADA045	Brn		15
312	ADA046	Brn		10
313	ADA047	Brn	10	10
314	ADA048	Brn		
315	ADA049	Brn		30
316	ADA050	Brn		
316	ADA051	Brn		
317	ADA052	Brn		
318	ADA053	Brn		40
319	ADA054	Brn		
400	ADA060	Brn		15
401	ADA061	Brn		10
402	ADA062	Brn		
405	ADA063	Brn		
406	ADA064	Brn		40
407	ADA065	Brn		
408	ADA066	Brn		S
409	ADA067	Brn		10
410	ADA068	Brn		
411	ADA069	Brn		15
502	ADA070	Brn		10
505	ADA071	Brn		10
506	ADA072	Brn		

509	ADA073	Brn					30		
511	ADA074	Brn							
519	ADA075	Brn							
520	ADA076	Brn							
524	ADA077	Brn					10		
525	ADA078	Brn							
527	ADA079	Brn							
527	ADA080	Brn							
528	ADA081	Brn					15		
530	ADA082	Brn					10		
531	ADA083	Brn							
533	ADA084	Brn							
534	ADA085	Brn					40		
600	ADA086	Brn							
601	ADA087	Brn							
601	ADA088	Brn					10		
602	ADA089	Brn							
604	ADA090	Brn					15		
605	ADA091	Brn					10		
607	ADA092	Brn	40			15	15		
608	ADA093	Brn	40				15		
610	ADA094	Brn	40						
612	ADA095	Brn			30	30	20		
614	ADA096	gy			80			1	
614	ADA097	Brn	40				15	2	E
615	ADA098	gy			80			1	E
615	ADA099	Brn	40				10	2	E
616	ADA100	gy			80			1	E
618	ADA101	Brn	40		15		10	2	D
620	ADA102	Brn	40		15		10	2	D
621	ADA103	Brn	40		15		10	2	D
622	ADA104	Brn		30	25		10	2	A
623	ADA105	Brn	40		20		10	2	A
625	ADA106	Brn			40	10	10	2	A

700	ADA107	Brn	30	30	10	2	E
701	ADA108	gy		80		1	E
701	ADA109	Brn	30			2	E
702	ADA110	Brn	20		15	2	B
703	ADA111	Brn			S	1	A
704	ADA112	Brn	50		15	2	E
705	ADA113	gy		70	10	3	C
706	ADA114	Brn	30		10	2	B
708	ADA115	Brn			10	2	A
709	ADA116	Brn	40		10	2	D
710	ADA117	Brn	40		10	2	D
711	ADA118	Brn					
712	ADA119	Brn					
713	ADA120	Brn					
714	ADA121	Brn					
715	ADA122	Brn					
716	ADA123	Brn					
718	ADA124	Brn					
719	ADA125	Brn					
719	ADA126	Brn					
720	ADA127	Brn					
721	ADA128	Brn					
722	ADA129	Brn					
128	STN128	Beige					
129	STN129	Beige					
134							
211							
306							
403							
404							
500							
501							
503							

STN_No	Sample #	Boundary	Vegetative Cover	Physiography
130	ADA001			side of hill
131	ADA002			
132	ADA003			
133	ADA004			
135	ADA005			
136	ADA006			
137	ADA007			
138	ADA008			
139	ADA009			
140	ADA010			
141	ADA011			
200	ADA012			
201	ADA013			
202	ADA014			
203	ADA015			
204	ADA016			
205	ADA017			
206	ADA018			
207	ADA019			
208	ADA020			
209	ADA021			
210	ADA022			
212	ADA023			
213	ADA024			
214	ADA025			
215	ADA026			
216	ADA027			
216	ADA028			
217	ADA029			
218	ADA030			
218	ADA031			

219	ADA032
220	ADA033
221	ADA034
300	ADA035
301	ADA036
302	ADA037
303	ADA038
304	ADA039
305	ADA040
307	ADA041
308	ADA042
309	ADA043
310	ADA044
311	ADA045
312	ADA046
313	ADA047
314	ADA048
315	ADA049
316	ADA050
316	ADA051
317	ADA052
318	ADA053
319	ADA054
400	ADA060
401	ADA061
402	ADA062
405	ADA063
406	ADA064
407	ADA065
408	ADA066
409	ADA067
410	ADA068

411	ADA069		side of esker hill
502	ADA070		
505	ADA071		
506	ADA072		
509	ADA073		
511	ADA074		
519	ADA075		
520	ADA076		
524	ADA077		
525	ADA078		
527	ADA079		
527	ADA080		
528	ADA081		
530	ADA082		
531	ADA083		
533	ADA084		
534	ADA085		side of esker hill
600	ADA086		
601	ADA087		
601	ADA088		side of esker hill
602	ADA089		
604	ADA090		
605	ADA091		
607	ADA092		
608	ADA093		
610	ADA094		
612	ADA095		
614	ADA096	med sharp	
614	ADA097		
615	ADA098	med sharp	
615	ADA099		
616	ADA100	med sharp	

618	ADA101	Ridge
620	ADA102	Ridge
621	ADA103	Ridge
622	ADA104	Ridge
623	ADA105	Ridge/Saddle
625	ADA106	
700	ADA107	side of esker hill
701	ADA108	
701	ADA109	
702	ADA110	
703	ADA111	stream in valley
704	ADA112	
705	ADA113	
706	ADA114	
708	ADA115	west side of esker
709	ADA116	
710	ADA117	
711	ADA118	
712	ADA119	
713	ADA120	
714	ADA121	
715	ADA122	
716	ADA123	
718	ADA124	
719	ADA125	
719	ADA126	
720	ADA127	

721 ADA128
722 ADA129
128 STN128
129 STN129
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STN_No	Sample #	Comments	Photo
130	ADA001	Sampled very top of C as to try & catch B/C? mostly sand, rock clasts some coarser qtz, angular. C is moderately to partly sorted	
131	ADA002	small white grains. Layer 3mm thick before permafrost sampled	
132	ADA003	sampled 2 cm thick band between brn org's, and bleached top of C till.	
133	ADA004	sampled 8cm horizon below organics and above poorly sorted gravel till.	
135	ADA005	6cm bleached sort of grey till	
136	ADA006	2cm layer between till and organic layer sampled	
137	ADA007	1cm layer between till and organic layer sampled, very thick organic cover.	
138	ADA008	1cm layer between till and organic layer sampled, very thick organic cover.	
139	ADA009	vegetation horizon no real soil horizon developed, till at great depth.	
140	ADA010	fine grained, 1cm thick layer sampled homogenous, thick organic cover.	
141	ADA011	Sandy till like "c" sample because bleached lighter horizon is to thin.	
200	ADA012	Till horizon fines, gravel mixed heterogenous.	
201	ADA013	till sampled, heavy organic cover.	
202	ADA014	fine grained sand homogenous, glacial material, no soils	
203	ADA015	fine grained sand homogenous, glacial material, no soils + permafrost	
204	ADA016	2cm brown horizon "B" bleached layer of till horizon.	
205	ADA017	B? pseudo bleached version of sandy till	
206	ADA018	peat to till-no soil horizon till is usual but sandy	
207	ADA019	till decrease in dark contect homogenous, coarse fraction more salt & pepper	
208	ADA020	no soil horizon, sample top most sandy layer of till	
209	ADA021	permafrost, horizon below organic ~1cm or less. Thick peaty veg. horizon small white specs	
210	ADA022	permafrost top of c sampled some of organics	
212	ADA023	permafrost top of c sampled some of organics	
213	ADA024	top of C o B no rocks	
214	ADA025	top of C o B no rocks	
215	ADA026	till sample heterogenous	
216	ADA027	frost boil.	
216	ADA028	like fine grained beach sand, homogenous layer under peaty veg. no A horizon	
217	ADA029	permafrost 3cm layer of homogenous white sandy till sampled small sample due to	
218	ADA030	permafrost, salt & pepper sandy till below organics no A or B horizon	
218	ADA031	Duplicate of ADA30SD	

219	ADA032	fine grained homogenous layer of sady till
220	ADA033	fine grained
221	ADA034	B? rock frags of variable composition
300	ADA035	no soil B or D brown homogenous sand outside camp
301	ADA036	till, sandy 40% clay
302	ADA037	*phenorystic kfs' bt granite crystals no fabric. No 0 horizon C sampled*
303	ADA038	glacial till some organics, poorly sOrted till, obbles rounded.
304	ADA039	"b" horizon salt and pepper as usual, high organic "root" content
305	ADA040	glacial till poorly sorted frost boil
307	ADA041	Till from ridge of mtn. sandy/cobbly rounded to sub angular material till at surface
308	ADA042	very sandy homogenous, unbleached sample under 5-10 cm of vegetation
309	ADA043	sandy layer below, till sampled very homogenous
310	ADA044	side of esker, sandy material homogenous
311	ADA045	sandy horizon, wet sample, S&P horizon?
		downhill from esker on other side of swampy river, 20cm O, 3cm A, C. No B. C = poorly sorted
312	ADA046	till, l.grey colour, 15cm cobbles, 10% clay, wet hole
313	ADA047	1cm A, C. No B. till, l.bwn, 10% RF, <10% clay.
314	ADA048	SP texture, colour C horizon, 25cm sample depth. No A or b.
315	ADA049	sandy homogenous SP, <.25mm g. size, ~30% clays,very soft feel - volcanic ash?? - permafrost
316	ADA050	C horizon sampled, sandy to pebbles, cm-scale, RF.
		SP horizon colled at 8cm depth for comparison with C horizon below, bleached looking,
316	ADA051	homogenous, sandy textyer, ~40% clays
317	ADA052	<1mm homogeneous sandy texture at base of A horizon (3cm thick), Top of C horizon
318	ADA053	wet sample, ~40% clay, spongy texture, ~10% RF pebble to cm-scale size.
319	ADA054	
		sampled base of A horizon must above permafrost ~80 organic in samples, texture like SP.
400	ADA060	Permafrost at ~40cm depth
401	ADA061	light bwn, poorly sorted till, greenish RF to purple mudstone RF, RF ~20%, clay 5-10%
402	ADA062	same SP texture, light gry to l bwn colour rather than white and blackm on side of rise from
405	ADA063	till, light sandy horizon, light grey to bwn, 20cm of O horizon
406	ADA064	sandy homogenous salt and pepper, till like horizon, likely an esker, permafrost around topo
407	ADA065	on edge of hill before drop to creek (60% SP, 40% sandy bwn till), rounded till, RF up to 5cm,
408	ADA066	heavy fines sampled from inside bank of stream, sand color, visible muscovite, moderate
409	ADA067	till, sandy 40% clay
410	ADA068	sandy layer below, till sampled very homogenous

411	ADA069	side of esker, sandy material homogenous	
502	ADA070	semi permafrost up hill from swampy lowland,	
505	ADA071	glacial till some organics, poorly sOrted till, obbles rounded.	
506	ADA072	side of esker, sandy material homogenous	
509	ADA073	semi permafrost up hill from swampy lowland,	
511	ADA074	glacial till some organics, poorly sOrted till, obbles rounded.	
519	ADA075	sandy homogenous salt and pepper, till like horizon	
520	ADA076	B? rock frags of variable composition	
524	ADA077	heavy fines sampled from inside bank of stream, sand color, visible muscovite, moderate	
525	ADA078	till, sandy 40% clay	
527	ADA079	sandy layer below, till sampled very homogenous	
527	ADA080	side of esker, sandy material homogenous	
528	ADA081	semi permafrost up hill from swampy lowland,	
530	ADA082	glacial till some organics, poorly sorted till, cobbles rounded.	
531	ADA083	till, sandy 40% clay	
533	ADA084	sandy layer below, till sampled very homogenous	
534	ADA085	side of esker, sandy material homogenous	
600	ADA086	semi permafrost up hill from swampy lowland,	
601	ADA087	glacial till some organics, poorly sOrted till, obbles rounded.	
601	ADA088	side of esker, sandy material homogenous	
602	ADA089	semi permafrost up hill from swampy lowland,	
604	ADA090	glacial till some organics, poorly sOrted till, obbles rounded.	
605	ADA091	sandy homogenous salt and pepper, till like horizon	
607	ADA092	gofer hole till/tailings coarse sandy R.F. less than 4cm	
608	ADA093	inactive frost boil on back side of hill after tundra stops, sandy verythin 0 horizon, no A horizon photo 1741, end of book	
610	ADA094	sandy as previous - crs pebbly in general. R.F. include predominanty argillic granite, bt-gossasn psudomorphs (visualization only - not gossan)	
612	ADA095	inactive frost boil, very fine grained, RF pebble to cobble, granite as above, a little more	1746
614	ADA096	SP homogeneous sands <10% clay - no RF, greyish	1747
614	ADA097	Rocky/cobbly till <clay content. RF are volcanics and granite/grit, sandy ~1mm gr.size, nearly	1748
615	ADA098	SP homogeneous sands <10% clay - no RF, greyish	
615	ADA099	RF - granitioid	
616	ADA100	SP sampled; boulders of granite ~15-20cm in size mixed with SP at depth	1750

618	ADA101	FR ~5cm in size. Matrix RF 1mm->3mm - granitoids, crs sandy matrix; moderately silt/clay ~25%; RF granite @ stn 617 at top of hill	
620	ADA102	FR ~5cm in size. Matrix RF 1mm->3mm - granitoids, crs sandy matrix; moderately silt/clay ~25%; RF granite @ stn 617 at top of hill	
621	ADA103	FR ~5cm in size. Matrix RF 1mm->3mm - granitoids, crs sandy matrix; moderately silt/clay ~25%; RF granite @ stn 617 at top of hill; entire ridge is equi.gr. Grt-bt-granite	
622	ADA104	RF - granitioid; no cobbles; 2cm-5cm. Less pebbly than previous	
623	ADA105	Surface ~80% RF; 1cm-15cm in size; granitoid but mostly Volcanic; crs. Sandy texture. Sampled at top of ridge/saddle junction w another saddle just to north	1756
625	ADA106	inactive frost boil; faily homogenous. Cobbles of volcanic at top	
700	ADA107	crs sandy till. RF 1cm-6cm commonly volcanic w some granitoid. Sample located at down hill side of esker across from camp. Dry sample	1758
701	ADA108	SP ~40% drks - ~10% clay?	1759
701	ADA109	crs sandy till. Granitoid RF - common till texture	1759
702	ADA110	no SP layer, crs sandy ~1-2mm matix (RF and qtz)	1760
703	ADA111	moderate flowing stream. Fines sampled - drk contecnt~50%. Sandy 1mm g.size about 20% of sample. Muddy sandy fines ~50%. RF content significant - comp variable	1761
704	ADA112	SP local and patchy; till C2 sampled - granitoid RF	1762
705	ADA113	some organic content; sticks to fingers = clay	1763
706	ADA114	inactive FB. Granitoid RF. No alteration in RF. Crs sandy till	1764
708	ADA115	inactive FB. Subrounded to rounded 2-5cm RF - volcanic and granitoid - esker material (?). Crs sandy material C2 ~ 1-2mm RF and qtz	1765
709	ADA116	RF - granitoid and Volc. Subrounded to rounded - esker material? Similar to last sample	1766
710	ADA117	inactive FB: RF - granitoid and Volc. Subrounded to rounded - esker material? Similar to last	1767
711	ADA118	Frost boil, ~30% RF, clay>silt 90% of matric, < sandy content from average	
712	ADA119	Frost boil, ~30% RF, subangular Volc-granitoid, med to crs gr sandy till, high moisture, 25%	1772
713	ADA120	till, red-bwn, `0% clay + 20% silt, RF~20%, 1 granitoid RF 4cm. Dry sample on side of hill	
714	ADA121	clay 50%, wet sample, RF 5%, angular variable content, sandy med to fine gr.	
715	ADA122	Frost boil, clay and silt 50%, sandy 40%, <10% RF, <1cm size, variable composition, wet	
716	ADA123	RF 10%, Sandy moderate texture, clay<silt 30%, on basalt RF, subrounded - wet sample	1775
718	ADA124	RF granitoid, dry med sandy texture, 10% clay, 40% silt, 40% sandy, <10% RF - 5mm to 2cm,	1777
719	ADA125	SP and SP with RF at depth, both sampled, 40% drk content, homo texture, granite cobbles (RF), subrounded, bedding in SP, heavies in crossbeds (?) and lenses - this was sampled	1778
719	ADA126	as ADA125 with fine RF in sample	
720	ADA127	inactive(?) frost boil, grey to l bwn with depth, wet sample, crs sandy, RF 20%, clay 15%, silt	1779

721	ADA128	C2 sampled - inhomog till, RF 10%, light bwn colour, high organic content	1780
722	ADA129	C2 till sampled - similar to above ADA128 - gran and volc. RF content	1781
128	STN128	Finely grained to sandy till. Homogenous and clean. No sample no horizon developed.	
129	STN129	Finely grained to sandy till. Homogenous and clean. No sample no horizon developed.	
134			
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403		no sample- permafrost	
404			
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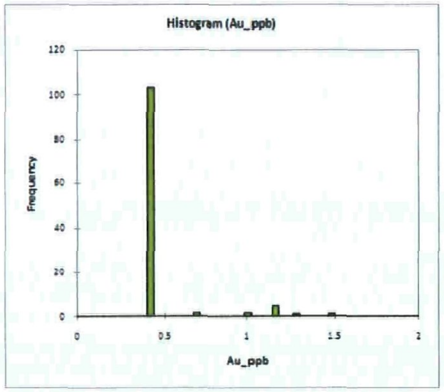
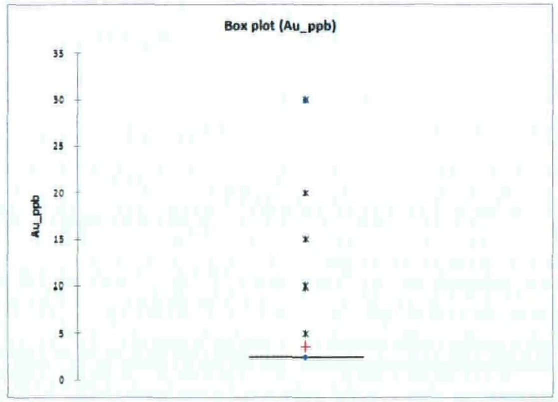
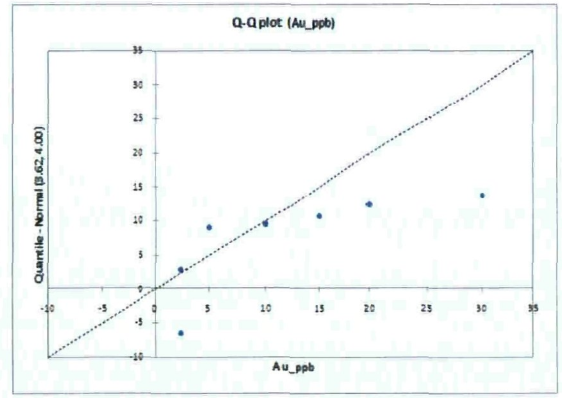
APPENDIX E. SOIL GEOCHEMISTRY UNIVARIATE STATISTICS

Au_ppb

Heavily left censored; possible anomalous population above detection limit with max of 30 ppb.

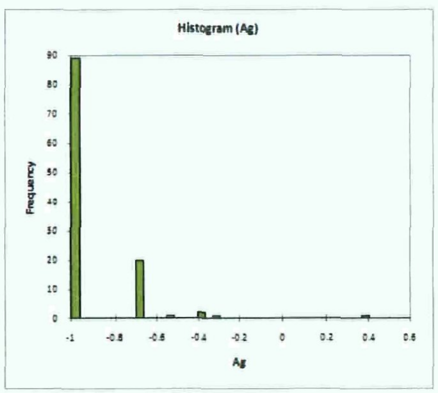


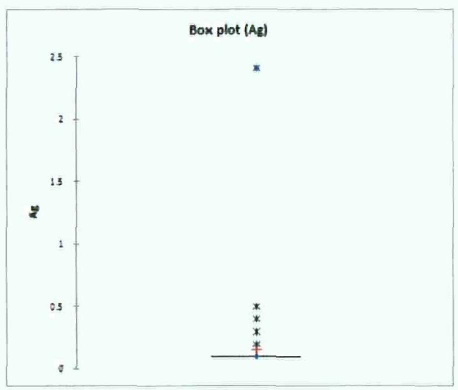


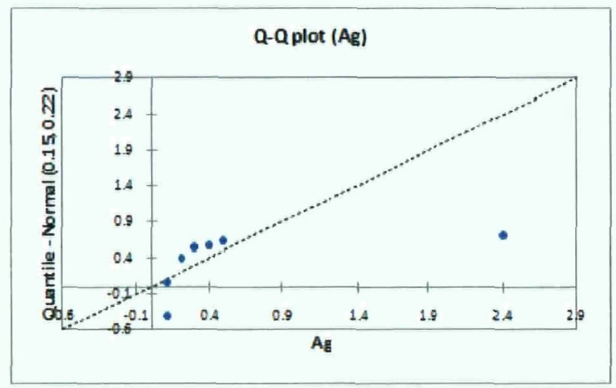


Ag

Left censored, positive skew, with anomalous high values and one outlier.

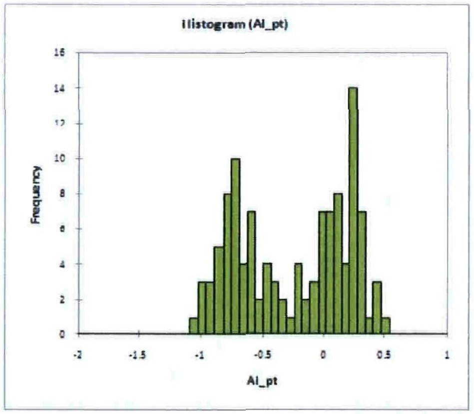


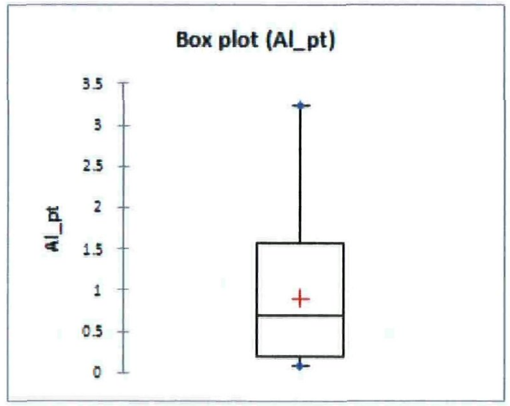


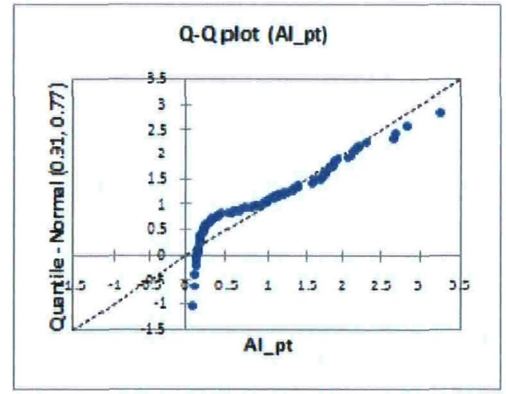


Al_pct

Two populations.

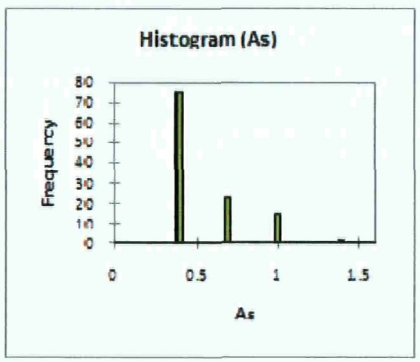


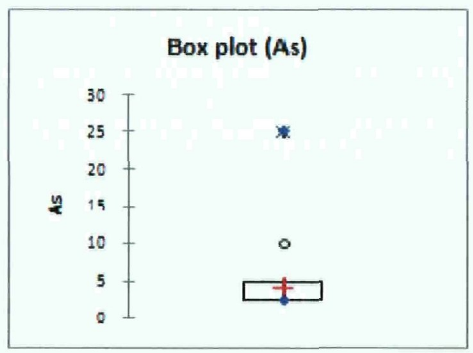


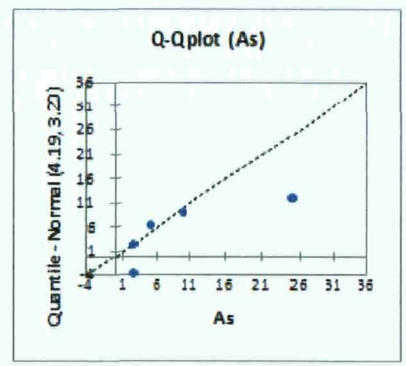


As

Left censored, non-normal, positive skew, discretized, several outliers

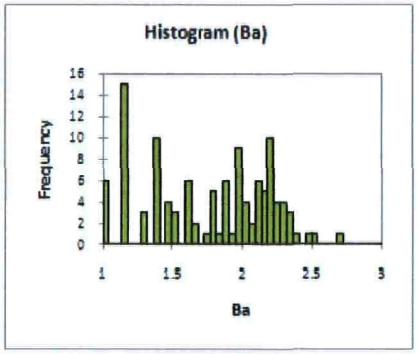


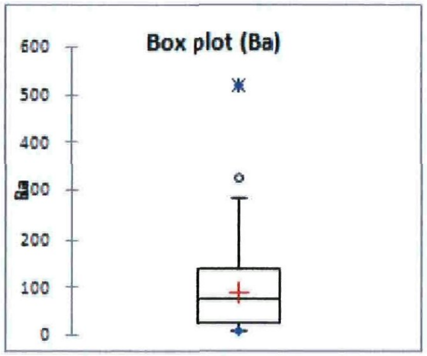


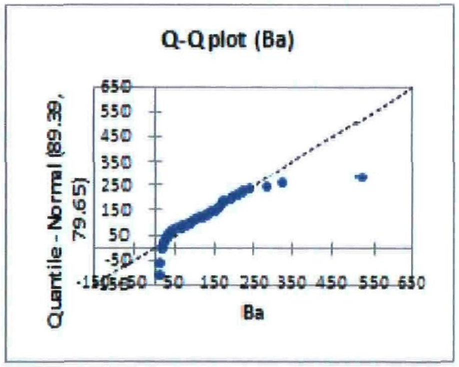


Ba

Discretized, possible contamination (large number of values just above DL), left skewed. Several high outliers.

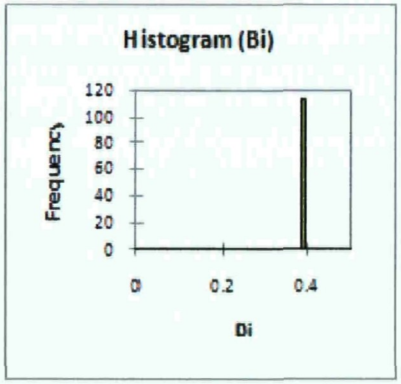


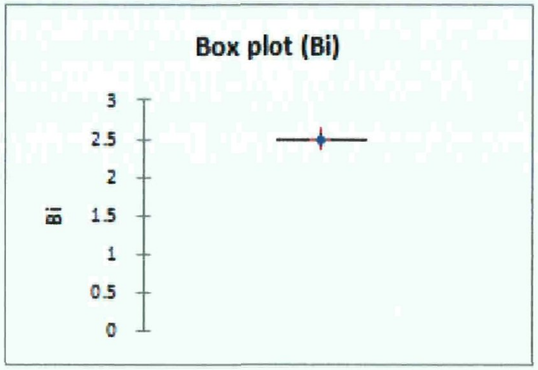


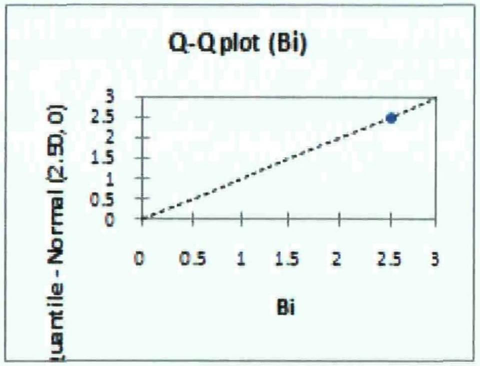


Bi

No response; all below detection limit.

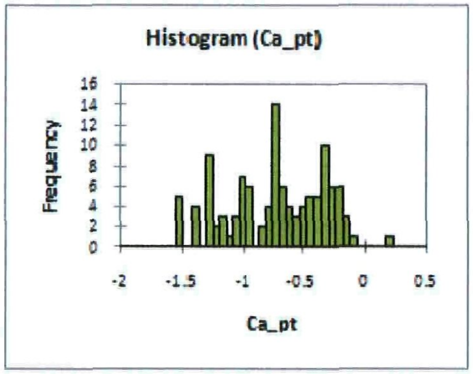


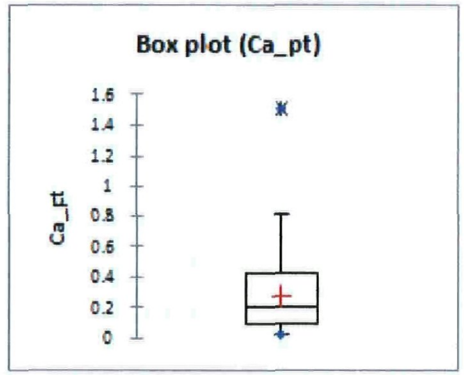


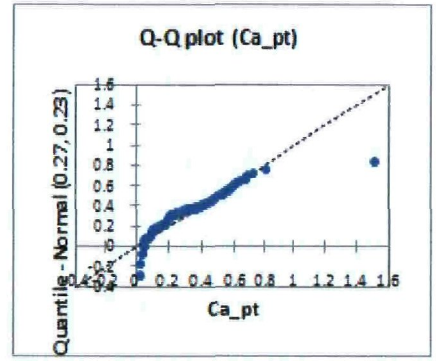


Ca

Complex, left skewed higher population, outlier

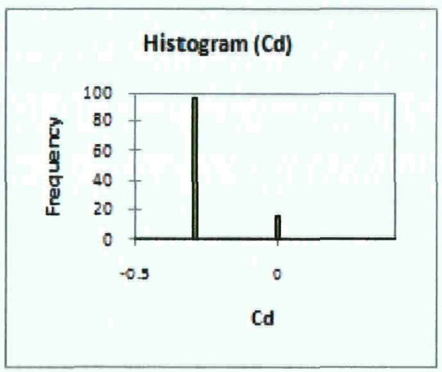


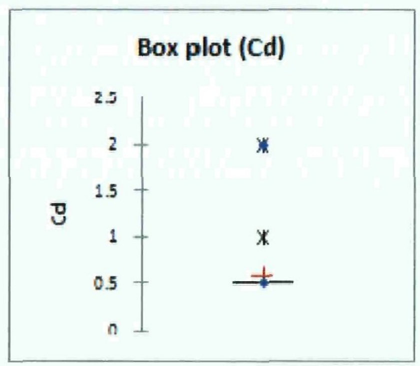


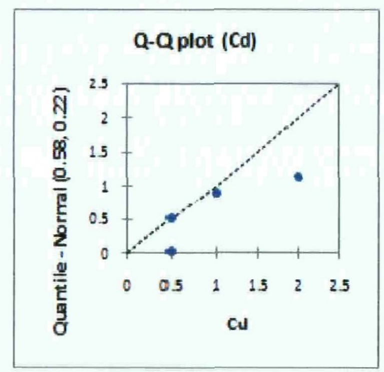


Cd

Heavily left censored.

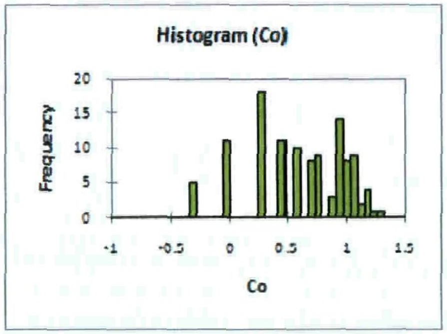


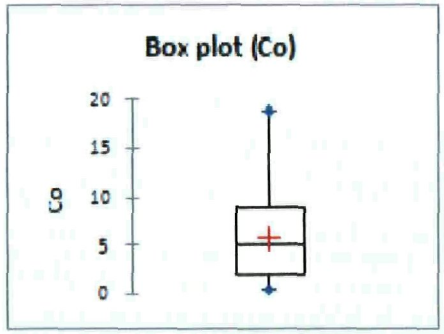


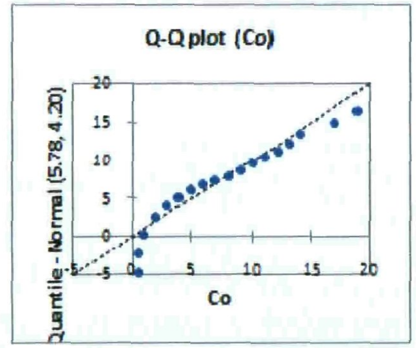


Co

Possibly two populations, both right skewed. Second population 7-20ppm, mean 15 ppm.

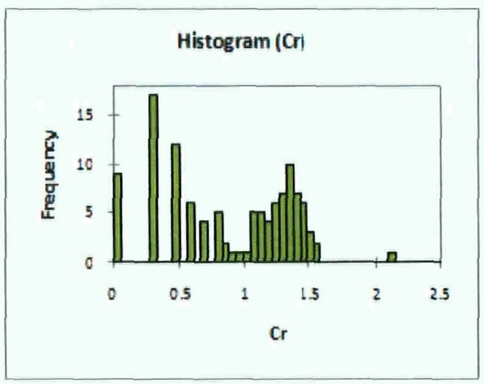


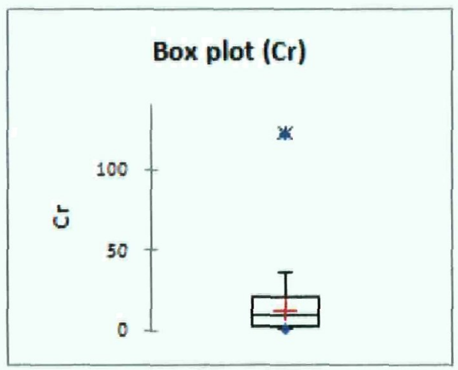


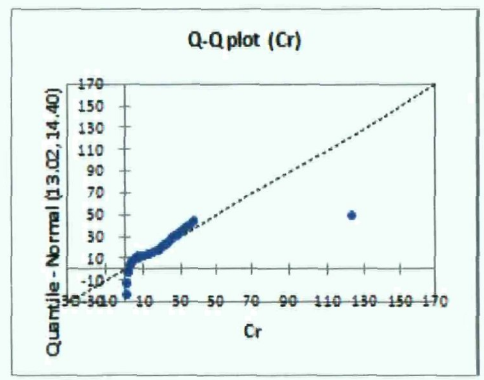


Cr

Two populations. One near DL, right skewed. Second left skewed, mean about 20 ppm.

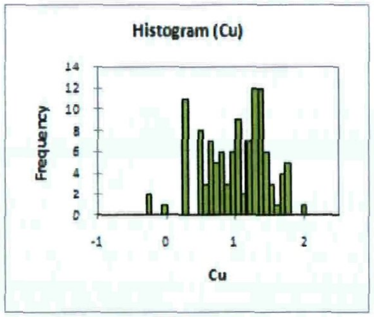


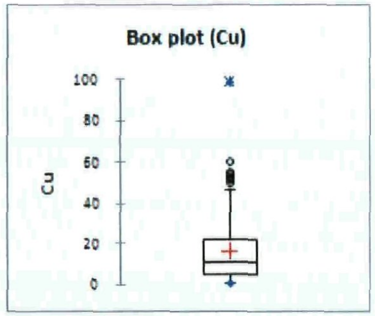


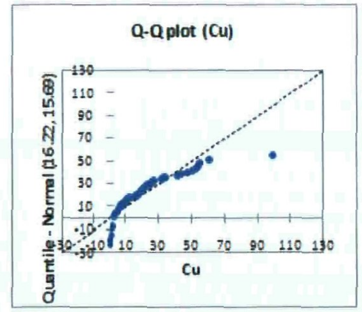


Cu

Three populations; right skewed near detection limit, second with mean about 22 ppm, set of higher outliers to second population.

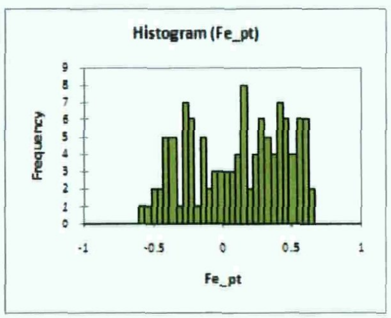


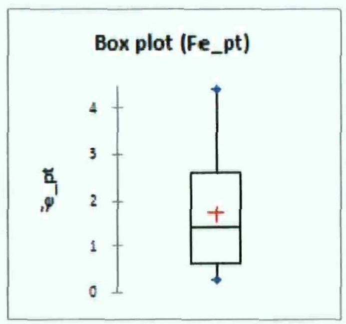


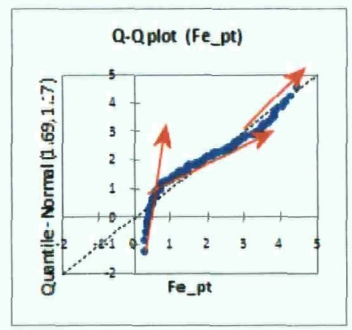


Fe_pct

Three populations as indicated on Q-Q. Normal near DL.

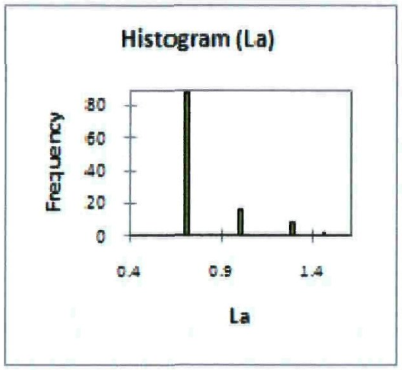


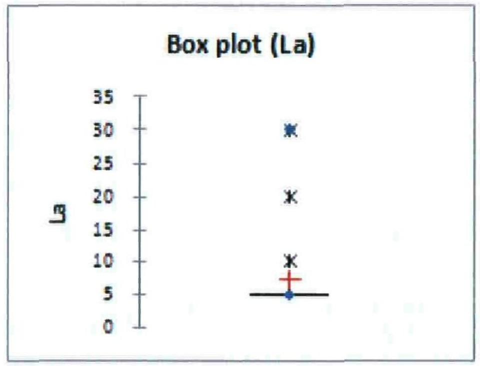


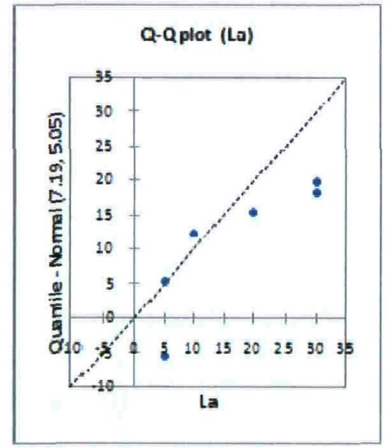


La

Heavily left censored; a few samples above detection limit.

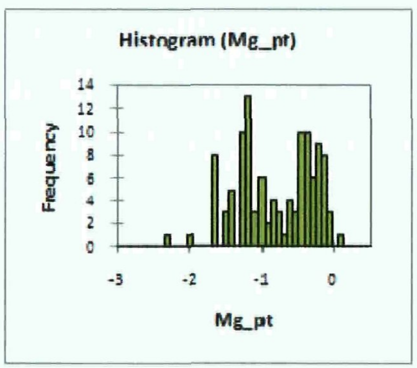


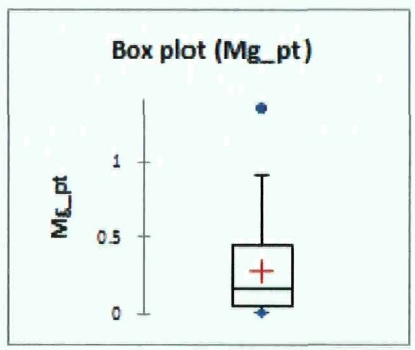


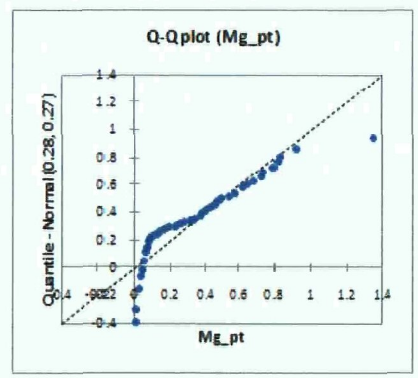


Mg_pct

Two populations, both left skewed. One near DL; the second has a mean of approximately 0.4%.

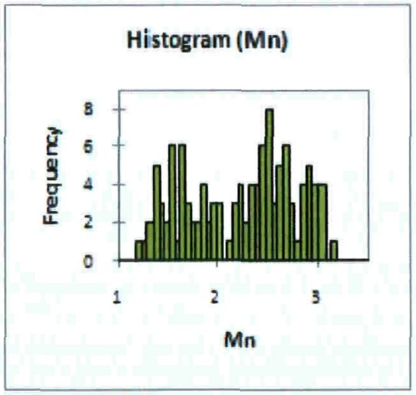


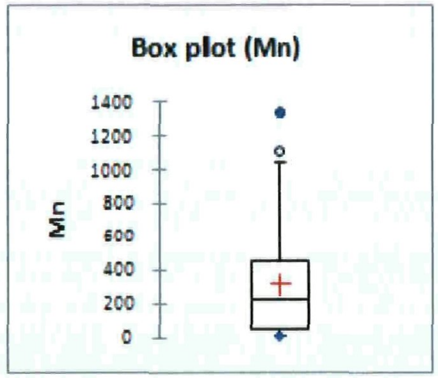


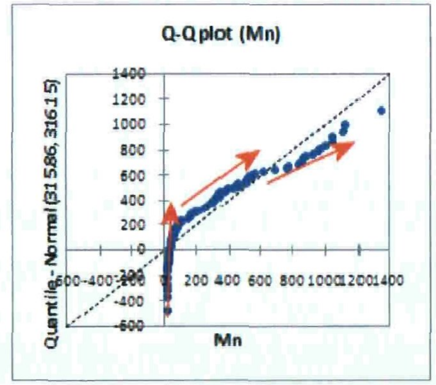


Mn

Possibly three populations as shown. Certainly two.

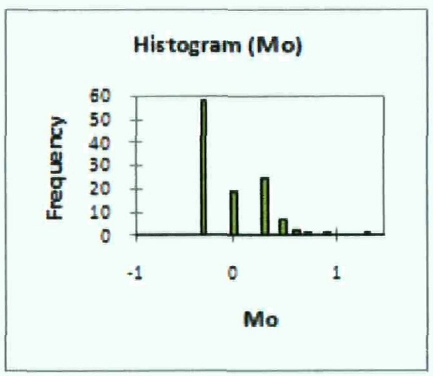


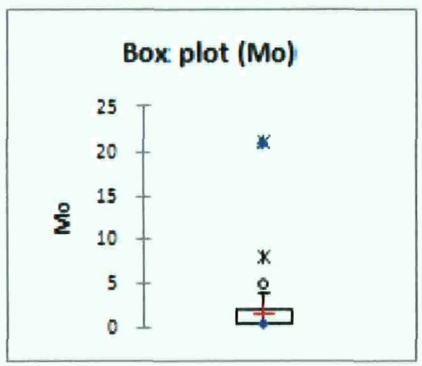


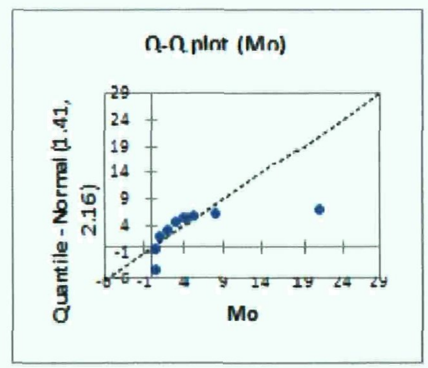


Mo

Small anomalous population above detection limit with mean of about 3 ppm. Two higher outliers.

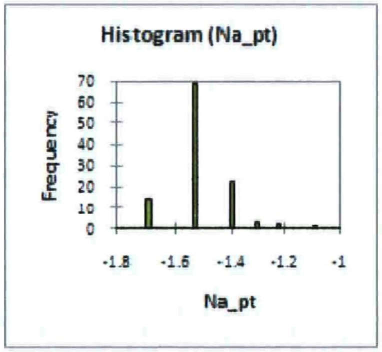


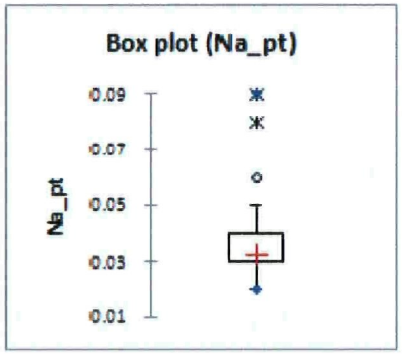


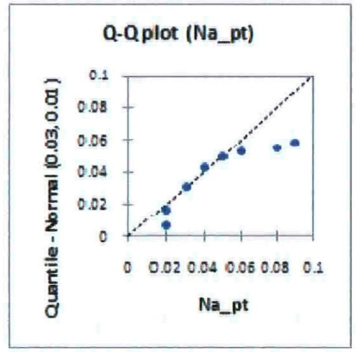


Na

Near normal population with several high outliers.

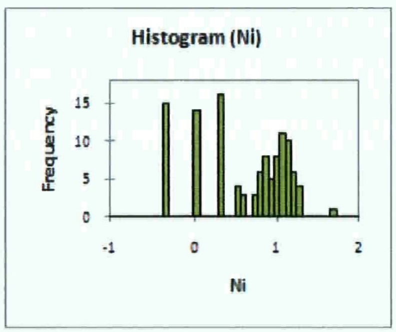


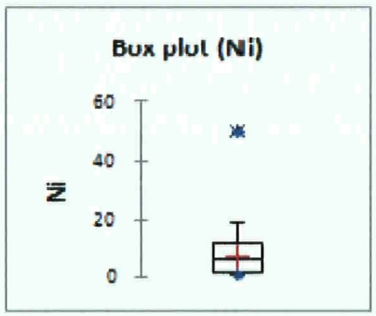


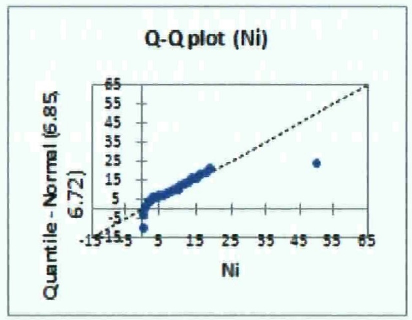


Ni

Two populations. One near DL, the over left skewed with a mean near 11 ppm. One outler (50 ppm).

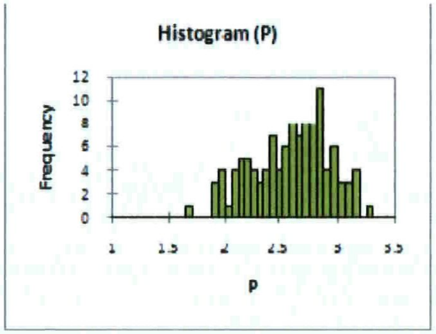


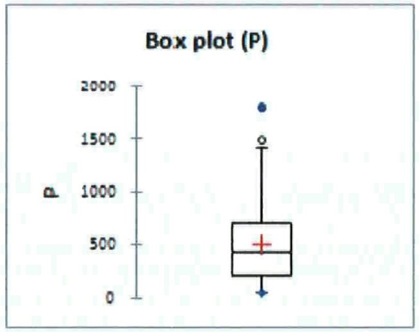


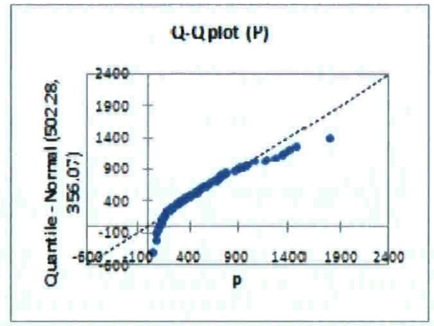


P

Single, left skewed, non-normal population.

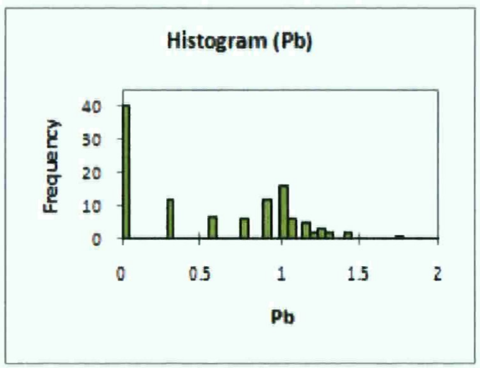


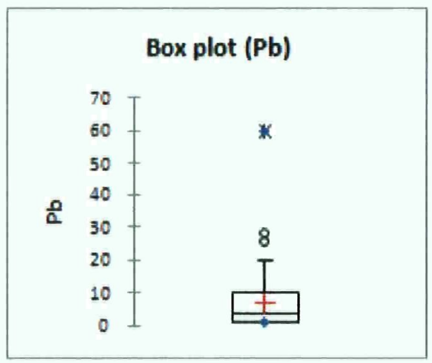


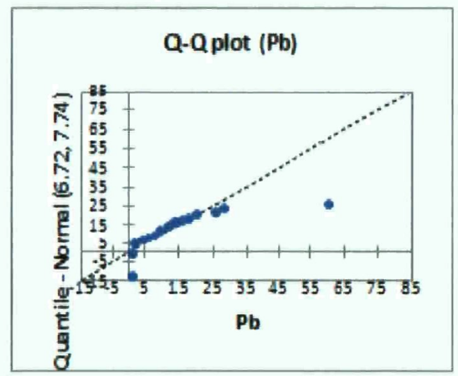


Pb

Two populations. Lower one truncated at DL. Second with a mean of about 10 ppm is closer to normal. Several outliers.

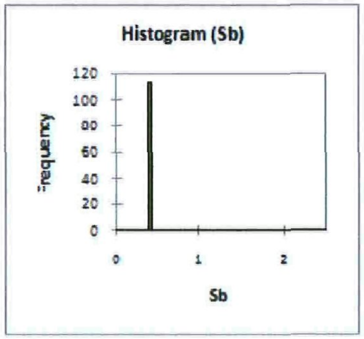


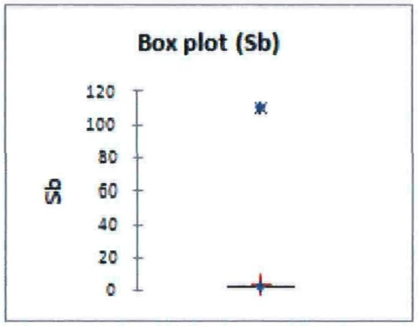


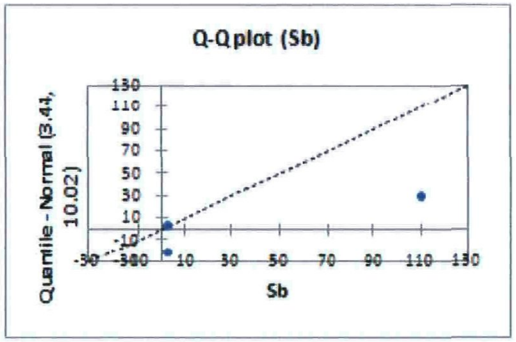


Sb

No response; one value above detection limit.

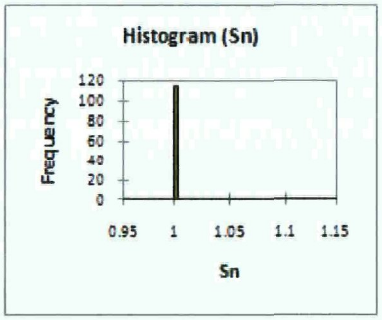


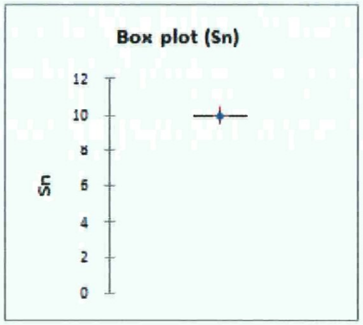


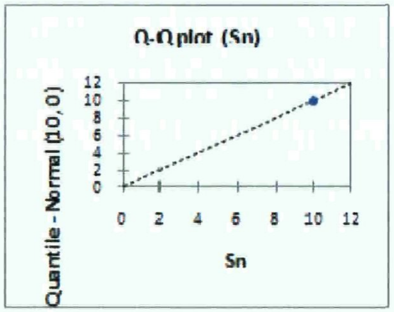


Sn

No response; all analyses below detection limit

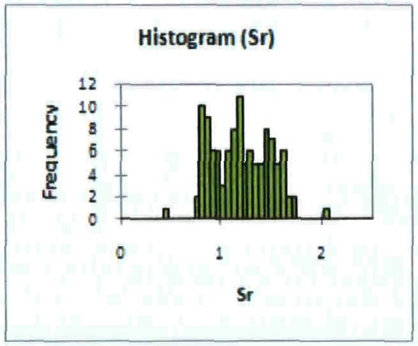


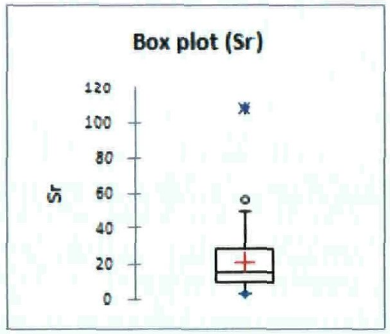


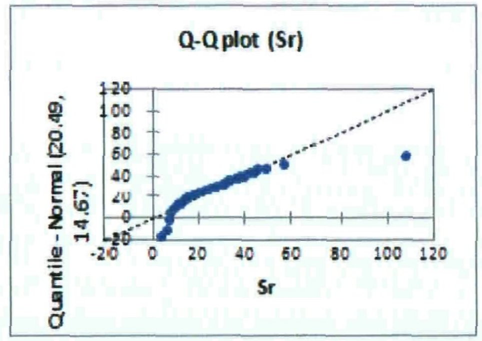


Sr

Likely two populations; one near DL and the second with a mean of about 15 ppm. Upper outliers..

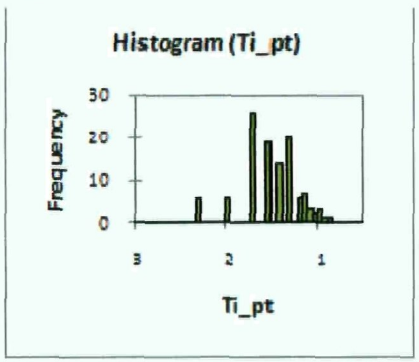


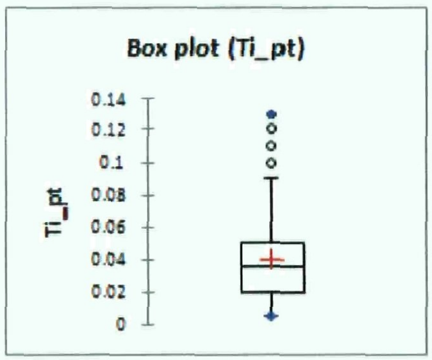


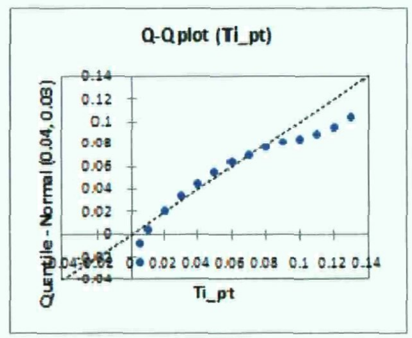


Ti_pct

Discretized response. At least 2 populations; one near DL and a second with a mean of about 0.05%. Q-Q suggests higher values are a third population.

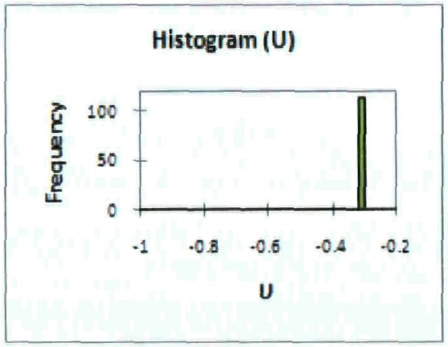


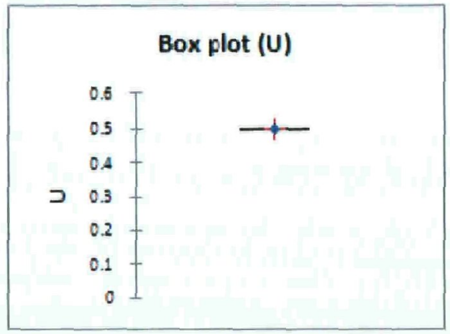


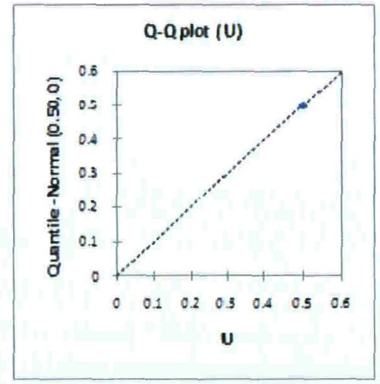


U

No response; all values below detection limit.

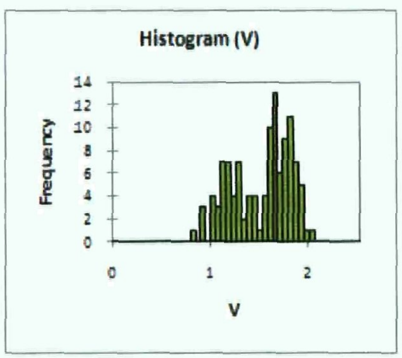


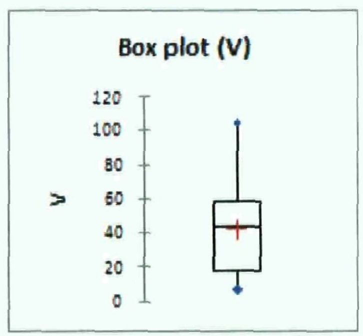


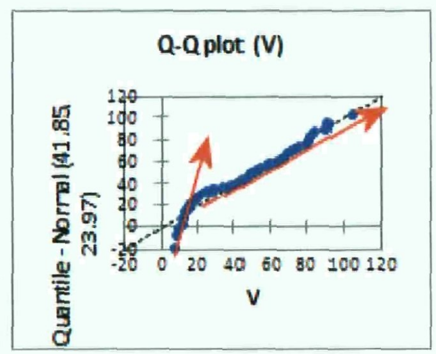


V

Two populations. Lower one near normal with a mean of about 10 ppm. Second, left skewed with a mean near 50 ppm.

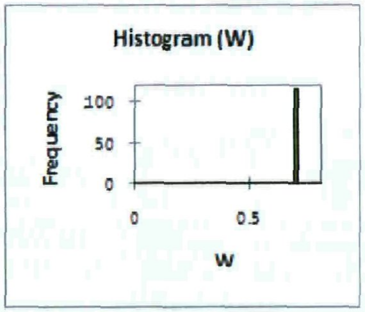


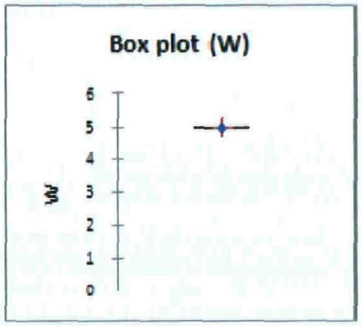


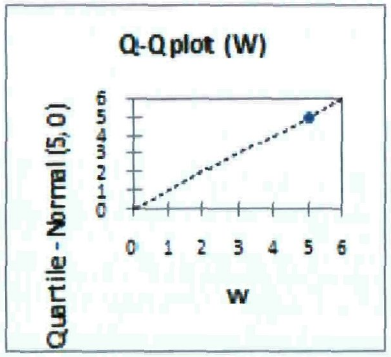


W

No response above detection limit (5 ppm).

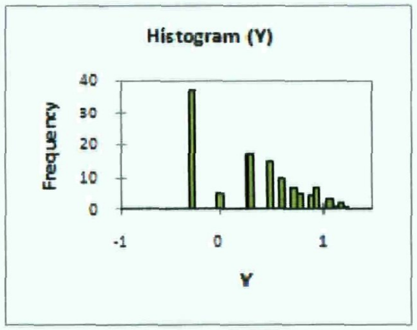


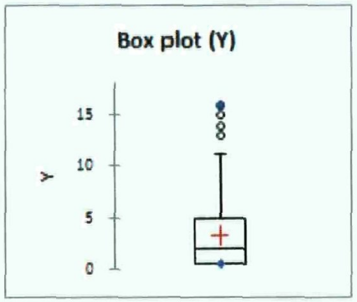


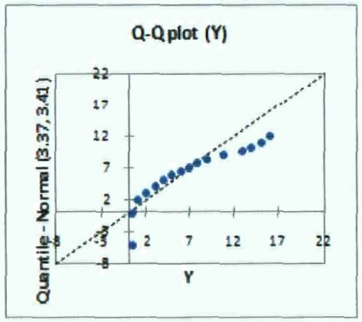


Y

At least 2 possibly 3 populations. One at DL, second right skewed population with mean near 3ppm.

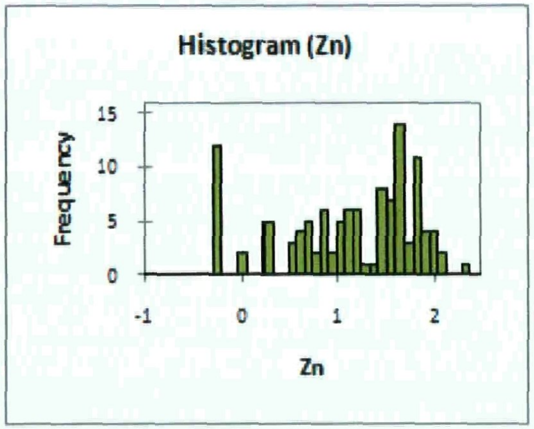


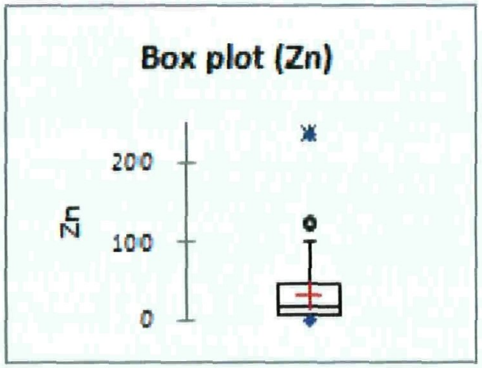


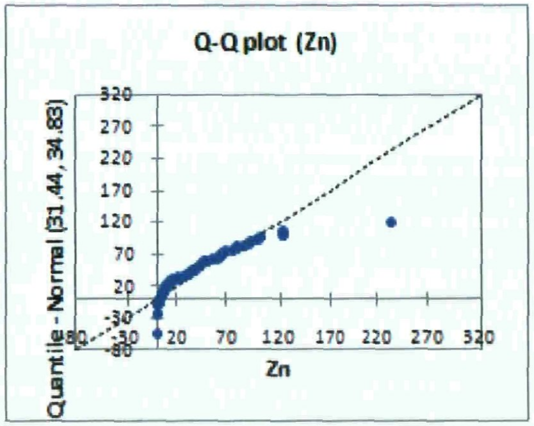


Zn

Two populations. One at the detection limit and the second, left skewed with a mean about 46 ppm. One outlier (240 ppm).







APPENDIX F. PROSPECTING & GEOLOGICAL NOTES

Station	Unit	Modifier	Comments
STN 134	Granite	K-spar Pheno	K flds phenocrystic granite +/- bt. Bt ~15% books and clots, K Feldspar ~30% phenocrysts, elongate. 30% Plagioclase mineral lineation, not stuctural (flow?) 1mm crystals in clots and secondary to Kfld, Quartz 30%, up to 2cm long
STN 306	Granodiorite	Granite?	granodiorite outcrop at top of hill SAMPLE DW001
STN 410	Granite	K-spar Pheno	ADA0068SD SAMPLE DW002 K-Feldspar pheno granite. All samples rubble. Expect that exposure across creek is same.
STN 500	Granodiorite		Granodiorite Hornblende, biotite, muscovite S-type granodiorite (?) Weakly foliated, def by hld and bt clots. Hld ~2mm, subhedral, 10-15% of fabric No alteration. 5% biotite and 5% muscovite. Clotty, commonly associated in hld. Most prevalent on a broken surface (old
STN 501	Andesite		Plagpheric Andesite (subcrop). Contact with granodiorite concealed by vegetation. Jointing in photo. Not altered or mineralized. Plag 35%, mm-cm in size, euhedral to subhedral, zoned at rims. No common orientation. Hld 10%, subhedral, mm-cm scale. Trace mt, Trace other green platy mineral shaped like muscovite but xls like platy hld. Groundmass 50% aphanitic green.
STN 503	Granite	Aplitic	aplitic granitic material. Coming up hill boulders (angular) of granite gneiss and foliated and just dirty with aplite dykes intruding.
STN 504	Granodiorite	gneissic	boulder/subcrop of weakly gneissic granodiorite (very weakly gneissic locally). Mostly a dirty granodiorite. cross cutting quartz vein with hematite orange rim PHOTO 1707 of the exposure.
STN 504b	Granodiorite	gneissic	subcrop downhill on ridge~15m. Gneissic granodiorite, cm scale banding Intruded by alplitic dykes up to 20cm thick. Fabric/structure trending up river valley across bowl Gneissoscity, crenulated, perpendicular as shown in amphibole melanosome. Crenulation is in the gneiss // to stuct at 345degrees. PHOTO 1708 Subcrop, PHOTO 1709 crenulation.
STN 508			Argillically altered intrusion. Only quartz and clay altered feldspar. No mafic content Scree
STN 512	Andesite		Volcanic scree boulders, 40cm and larger. Unaltered crytalline hornblende, biotite and plag with biotite phenocrysts 0.5-1cm size
STN 513	Granodiorite	Altered	Altered granodiorite
STN 514	Andesite		Volcanic/diatreme(?)
STN 515	Granodiorite		Granodiorite, altered
STN 516	Andesite		Volcanics (hbld (0 2-0 7mm), plag, biotite phenocrysts. Some cm clots or grains Very silicious groundmass (Photos 1715 and 1716). Photos 1717-1720 ar of xenolith? Prefered
STN 517	Andesite		Volcanics
STN 518	Andesite		Volcanics
STN 522/523	Granodiorite	gneissic	dirty granodiorite Pseudogneissic in places (locally). Intruded by aplitic dykes. Hbld 15-20% subhedral, Biotite books and disseminations. No alignment or texture. Entire ridge is this unit Gneissic trend ~345 dips to NW as other outcrop. Same unit?
STN 526	Granodiorite	gneissic	dark, locally gneissic granodiorite Locally biotite schleric slumping steeply to NW Ridge/knob is this unit. Unit is fresh in fresh surface Cut by aplitic dykes Outcrop furthest west is gneissic.

STN 529	Andesite		Volcanic boulders found near creek bed.
STN 532	Granodiorite	gneissic	Hornblende, biotite, muscovite, dirty granodiorite, locally gneissic defined by biotite. Gneissosity
STN 603	Granodiorite	gneissic	Dirty biotite granodiorite Locally weakly foliated (defined by biotite) Ridge a
STN 606	Granite	Altered	Granite SAMPLE DW007. Fresh version of altered rock from July 3 traverse. ~30% each of Kfld, plag and quartz Equigranular, coarse crystals (~3mm) euhedral plag and quartz, subhedral
STN 607	Granite	bt	Granite + biotite. Looks to be first felsic granite but with biotite mafic phase. Less altered, felsics are in near pristine. 30% biotite althered to gossan (hydrous iron oxides.) SAMPLE DW008
STN 609	Granite	bt	Boulder fields of quartz biotite granite.
STN 611	Granite	bt	Biotite and quartz granite. Feldspars unaltered, little oxidization of biotite. Non magnetic
STN 617	Granite	equigranular	Pink equigranular quartz and biotite granite. Massive, anhedral. Boulder scree on shallow incline to top of hill. Subcrop at top of hill looks to be the same
STN 619	Granite	equigranular	Quartz and biotite granite as before Quartz veins along fractures. Quartz is very dark to black. Brown alteration halo about vein. SAMPLE DW009 PHOTO 1752 photos of subcrop.
STN 624	Andesite		Volcanic rubble
STN 717	Granodiorite		Hornblende, biotite, magnetite Coarse grained equigranular granodiorite Very pristine 20% subhedral hornblende ~2mm, 20% subhedral biotite clots, 60% plag quartz and K Feldspar, 10-

APPENDIX G. ASSAY CERTIFICATES

11-Aug-09
Stewart Group
ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4
www.stewartgroupglobal.com

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2009- 0345

Aurora Geosciences
34A Leberge Rd
Whitehorse, YT
Y1A 5Y9

No of samples received: 133
Sample Type: Soils
Project: 379-9526-YT
Submitted by: Dave White

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	7R54101	<5	<0 2	0.95	<5	125	<5	0.23	<1	5	14	22	1.66	<10	0.26	154	2	0.02	7	220	10	<5	<20	23	0.02	<10	44	<10	3	28
2	7R54102	<5	<0 2	0 43	<5	95	<5	0.53	<1	3	5	11	0 72	<10	0.12	526	<1	0.03	4	440	2	<5	<20	40	0.02	<10	15	<10	3	15
3	7R54103	<5	<0.2	0 14	<5	10	<5	0.03	<1	1	2	2	0.49	<10	0.02	22	<1	0 03	1	120	<2	<5	<20	7	0.02	<10	16	<10	<1	<1
4	7R54104	<5	<0 2	0.18	<5	25	<5	0 16	<1	2	2	2	0 50	<10	0.06	33	<1	0.03	1	480	<2	<5	<20	11	0.03	<10	15	<10	1	2
5	7R54105	<5	<0.2	0.16	<5	15	<5	0.03	<1	2	2	2	0.55	<10	0.02	24	<1	0.03	1	80	<2	<5	<20	7	0.02	<10	18	<10	<1	2
6	7R54106	<5	<0 2	0.19	<5	15	<5	0.05	<1	2	4	3	0.84	<10	0 05	50	<1	0.02	2	130	<2	<5	<20	6	0.02	<10	29	<10	<1	8
7	7R54107	<5	<0.2	0.31	<5	40	<5	0.14	<1	1	3	6	0 60	<10	0.04	26	<1	0.03	2	190	<2	<5	<20	13	0.01	<10	16	<10	1	1
8	7R54108	<5	<0.2	0.16	<5	15	<5	0.10	<1	4	3	3	1.24	<10	0.05	55	<1	0 03	2	210	<2	<5	<20	9	0.05	<10	43	<10	<1	12
9	7R54109	<5	<0.2	0.92	5	110	<5	0.45	<1	6	12	16	1 67	<10	0.28	457	1	0 03	7	700	6	<5	<20	37	0.03	<10	37	<10	5	35
10	7R54110	<5	<0 2	0.23	<5	35	<5	0.20	<1	2	3	5	0 73	<10	0.05	73	<1	0.05	2	280	<2	<5	<20	14	0 02	<10	21	<10	<1	4
11	7R54111	<5	<0.2	0 63	5	60	<5	0 29	<1	6	12	10	1.71	<10	0.23	301	1	0.03	7	710	4	<5	<20	21	0.03	<10	42	<10	3	22
12	7R54112	<5	<0.2	0.32	<5	40	<5	0 19	<1	2	3	7	0.59	<10	0.07	48	<1	0.04	2	340	2	<5	<20	15	0 03	<10	18	<10	<1	3
13	7R54113	<5	<0.2	0.12	<5	15	<5	0.04	<1	<1	1	1	0.35	<10	0.02	18	<1	0 03	<1	120	<2	<5	<20	8	<0.01	<10	12	<10	<1	<1
14	7R54114	<5	<0.2	0.23	<5	40	<5	0.45	<1	4	3	6	0 76	<10	0.09	148	<1	0.04	2	530	<2	<5	<20	31	0 03	<10	25	<10	1	5
15	7R54115	<5	<0.2	0.17	<5	20	<5	0.20	<1	2	2	5	0.66	<10	0 06	45	<1	0.04	1	230	2	<5	<20	15	0.03	<10	21	<10	<1	4
16	7R54116	<5	<0.2	0.40	<5	10	<5	0.09	<1	3	6	52	1.05	<10	0.07	50	<1	0.03	6	130	4	<5	<20	8	0.04	<10	28	<10	2	8
17	7R54117	<5	<0 2	0.32	<5	30	<5	0.10	<1	4	5	5	1.25	<10	0.08	82	<1	0.03	2	240	2	<5	<20	9	0 05	<10	41	<10	<1	12
18	7R54118	<5	<0.2	0 13	<5	15	<5	0.05	<1	2	2	2	0.50	<10	0.04	32	<1	0.03	<1	150	<2	<5	<20	8	0 02	<10	16	<10	<1	1
19	7R54119	<5	<0 2	0.11	<5	15	<5	0 03	<1	1	1	2	0.39	<10	0.02	21	<1	0 03	<1	80	<2	<5	<20	6	0.01	<10	13	<10	<1	<1
20	7R54120	<5	<0 2	0 72	<5	75	<5	0 19	<1	3	9	17	0.92	<10	0.16	73	<1	0.03	6	390	4	<5	<20	15	0.02	<10	20	<10	2	10

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	7R54121	<5	<0.2	0.25	<5	40	<5	0.40	<1	2	4	11	0.51	<10	0.08	144	<1	0.03	2	500	<2	<5	<20	26	0.02	<10	14	<10	2	5
22	7R54122	<5	<0.2	0.59	<5	85	<5	0.59	<1	5	10	27	0.96	<10	0.24	262	<1	0.03	8	600	2	<5	<20	36	0.02	<10	21	<10	3	16
23	7R54123	<5	<0.2	0.14	<5	15	<5	0.06	<1	1	2	2	0.42	<10	0.03	23	<1	0.03	<1	140	<2	<5	<20	7	0.01	<10	13	<10	<1	<1
24	7R54124	<5	<0.2	0.15	<5	20	<5	0.20	<1	2	2	3	0.50	<10	0.05	32	<1	0.04	<1	430	<2	<5	<20	15	0.03	<10	17	<10	<1	2
25	7R54125	<5	<0.2	0.30	<5	55	<5	0.51	<1	3	4	10	0.59	<10	0.13	228	<1	0.03	3	910	6	<5	<20	28	0.03	<10	16	<10	2	13
26	7R54126	<5	<0.2	0.97	10	70	<5	0.59	<1	10	24	26	2.19	<10	0.58	348	<1	0.04	15	730	6	<5	<20	33	0.06	<10	57	<10	3	29
27	7R54127	<5	<0.2	0.13	<5	15	<5	0.05	<1	1	2	2	0.61	<10	0.02	32	<1	0.03	<1	100	<2	<5	<20	9	0.02	<10	20	<10	<1	2
28	7R54128	<5	0.2	0.26	<5	25	<5	0.06	<1	3	5	7	1.14	<10	0.08	77	<1	0.02	3	140	2	<5	<20	7	0.04	<10	38	<10	<1	9
29	7R54129	<5	<0.2	0.24	<5	40	<5	0.72	<1	1	2	11	0.31	<10	0.11	43	<1	0.04	3	380	<2	<5	<20	38	0.01	<10	7	<10	<1	3
30	7R54130	<5	<0.2	0.21	<5	30	<5	0.19	<1	2	2	4	0.38	<10	0.07	39	<1	0.04	1	260	<2	<5	<20	14	0.03	<10	11	<10	<1	4
31	7R54131	<5	<0.2	0.20	<5	25	<5	0.22	<1	1	2	5	0.37	<10	0.07	44	<1	0.04	1	260	<2	<5	<20	16	0.02	<10	11	<10	<1	3
32	7R54132	<5	0.2	0.15	<5	20	<5	0.05	<1	1	2	2	0.45	<10	0.03	27	<1	0.03	<1	190	<2	<5	<20	8	0.02	<10	14	<10	<1	<1
33	7R54133	<5	0.2	0.11	<5	10	<5	0.05	<1	<1	1	<1	0.27	<10	0.01	16	<1	0.02	<1	140	<2	<5	<20	8	<0.01	<10	9	<10	<1	<1
34	7R54134	<5	<0.2	0.20	<5	10	<5	0.05	<1	4	5	9	1.42	<10	0.04	68	<1	0.03	2	110	<2	<5	<20	7	0.05	<10	48	<10	<1	12
35	7R54135	<5	<0.2	1.07	10	150	<5	0.69	<1	8	17	22	2.14	<10	0.37	515	1	0.04	12	720	6	<5	<20	41	0.04	<10	47	<10	6	35
36	7R54136	<5	0.2	0.16	<5	25	<5	0.10	<1	1	1	3	0.28	<10	0.05	22	<1	0.04	<1	270	<2	<5	<20	10	0.01	<10	8	<10	<1	<1
37	7R54137	<5	<0.2	0.19	<5	15	<5	0.04	<1	1	1	5	0.45	<10	0.04	25	<1	0.03	<1	90	<2	<5	<20	7	0.01	<10	13	<10	<1	<1
38	7R54138	<5	<0.2	0.78	<5	80	<5	0.25	<1	4	7	19	1.09	<10	0.13	390	<1	0.03	5	400	4	<5	<20	20	0.02	<10	29	<10	2	15
39	7R54139	<5	<0.2	0.46	<5	80	<5	0.40	<1	2	6	9	0.55	<10	0.14	95	<1	0.03	3	760	2	<5	<20	36	0.03	<10	13	<10	3	13
40	7R54140	<5	<0.2	1.72	10	155	<5	0.18	<1	7	19	18	3.01	<10	0.41	421	2	0.03	10	480	10	<5	<20	19	0.05	<10	65	<10	3	60
41	7R54141	<5	0.2	1.87	5	155	<5	0.20	<1	8	22	15	2.85	<10	0.43	305	2	0.03	12	470	10	<5	<20	31	0.05	<10	68	<10	2	47
42	7R54142	<5	<0.2	0.20	<5	15	<5	0.09	<1	5	4	13	1.43	<10	0.07	81	<1	0.03	2	320	<2	<5	<20	8	0.05	<10	49	<10	<1	14
43	7R54143	<5	0.2	0.21	<5	25	<5	0.05	<1	4	4	3	1.26	<10	0.04	329	<1	0.03	2	170	<2	<5	<20	7	0.05	<10	48	<10	<1	11
44	7R54144	<5	<0.2	0.12	<5	15	<5	0.05	<1	3	3	3	1.15	<10	0.03	67	<1	0.03	1	80	<2	<5	<20	8	0.03	<10	43	<10	<1	9
45	7R54145	15	<0.2	0.58	<5	60	<5	0.48	<1	6	12	20	1.38	<10	0.27	221	<1	0.04	8	690	2	<5	<20	27	0.04	<10	41	<10	2	16
46	7R54146	<5	0.2	0.26	<5	35	<5	0.21	<1	3	4	10	0.72	<10	0.09	77	<1	0.03	2	340	<2	<5	<20	15	0.02	<10	23	<10	1	5
47	7R54147	<5	0.2	0.12	<5	15	<5	0.07	<1	<1	1	3	0.39	<10	0.02	29	<1	0.03	<1	150	<2	<5	<20	10	<0.01	<10	12	<10	<1	<1
48	7R54148	<5	0.2	0.13	<5	15	<5	0.04	<1	<1	1	<1	0.36	<10	0.02	23	<1	0.03	<1	100	<2	<5	<20	8	<0.01	<10	12	<10	<1	<1
49	7R54149	<5	<0.2	0.11	<5	10	<5	0.04	<1	2	2	3	0.59	<10	0.02	33	<1	0.03	<1	50	<2	<5	<20	7	0.02	<10	21	<10	<1	2
50	7R54150	<5	0.3	2.14	10	90	<5	0.11	1	8	23	24	3.64	<10	0.34	168	3	0.03	12	270	14	<5	<20	12	0.05	<10	92	<10	2	42
51	7R54151	<5	0.2	0.36	<5	20	<5	0.05	<1	3	6	8	1.35	<10	0.06	64	<1	0.02	2	60	2	<5	<20	6	0.05	<10	51	<10	<1	11
52	7R54152	<5	<0.2	0.24	<5	40	<5	0.47	<1	3	2	7	0.83	<10	0.06	162	<1	0.06	2	570	<2	<5	<20	25	0.03	<10	27	<10	<1	5
53	7R54153	<5	0.2	0.93	<5	140	<5	0.64	<1	6	11	43	1.45	10	0.23	308	1	0.04	13	600	4	<5	<20	42	0.03	<10	36	<10	7	23
54	7R54160	<5	<0.2	0.42	<5	170	<5	1.51	<1	4	3	19	0.51	<10	0.10	688	<1	0.03	6	520	<2	<5	<20	108	<0.01	<10	8	<10	3	14
55	7R54161	<5	<0.2	0.72	<5	45	<5	0.10	<1	3	6	8	1.39	<10	0.09	96	1	0.02	2	170	4	<5	<20	15	0.02	<10	50	<10	<1	14

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
56	7R54162	<5	<0.2	0.19	<5	30	<5	0.12	<1	1	1	2	0.41	<10	0.05	33	<1	0.04	<1	310	<2	<5	<20	11	0.02	<10	14	<10	2	<1
57	7R54163	<5	<0.2	0.09	<5	10	<5	0.03	<1	<1	1	2	0.31	<10	<0.01	20	<1	0.03	<1	90	<2	<5	<20	7	<0.01	<10	11	<10	<1	<1
58	7R54164	<5	<0.2	0.40	<5	25	<5	0.05	<1	5	8	12	2.00	<10	0.09	104	<1	0.02	4	180	2	<5	<20	7	0.06	<10	69	<10	<1	18
59	7R54165	<5	<0.2	0.55	<5	65	<5	0.08	<1	4	7	11	1.49	<10	0.06	105	1	0.02	4	210	6	<5	<20	11	0.05	<10	54	<10	2	17
60	7R54166	<5	<0.2	0.56	<5	125	<5	0.47	<1	4	8	8	1.38	10	0.20	752	<1	0.02	5	980	4	<5	<20	48	0.02	<10	30	<10	6	38
61	7R54167	<5	<0.2	0.27	<5	35	<5	0.10	<1	2	2	5	0.57	<10	0.05	59	<1	0.03	2	400	<2	<5	<20	10	0.02	<10	16	<10	<1	4
62	7R54168	<5	<0.2	0.33	<5	25	<5	0.07	<1	3	6	4	1.23	<10	0.09	173	<1	0.02	2	170	2	<5	<20	9	0.05	<10	48	<10	<1	13
63	7R54169	<5	<0.2	0.18	<5	15	<5	0.07	<1	2	3	7	0.72	<10	0.05	45	<1	0.03	1	170	<2	<5	<20	8	0.02	<10	24	<10	<1	5
64	7R54170	<5	0.2	2.31	5	95	<5	0.17	1	14	35	24	3.79	10	0.82	620	3	0.04	18	230	14	<5	<20	13	0.08	<10	76	<10	8	63
65	7R54171	15	2.4	2.84	5	195	<5	0.43	2	19	123	54	4.44	20	1.35	997	3	0.04	50	540	18	<5	<20	28	0.11	<10	80	<10	11	235
66	7R54172	15	0.2	1.11	25	90	<5	0.09	<1	2	11	60	2.71	<10	0.19	93	21	0.02	5	610	60	110	<20	17	0.02	<10	29	<10	3	69
67	7R54173	15	0.4	1.37	10	130	<5	0.16	1	6	31	55	4.05	<10	0.40	244	8	0.09	10	790	20	<5	<20	57	0.05	<10	49	<10	3	39
68	7R54174	30	0.2	1.75	10	125	<5	0.34	1	12	25	53	3.41	20	0.58	1339	3	0.03	13	1010	26	<5	<20	22	0.02	<10	53	<10	8	93
69	7R54175	<5	<0.2	1.61	10	325	<5	0.67	<1	10	22	22	2.71	20	0.62	853	2	0.05	14	920	12	<5	<20	34	0.05	<10	60	<10	13	56
70	7R54176	<5	<0.2	1.34	5	235	<5	0.47	<1	7	22	12	2.59	<10	0.54	338	1	0.03	10	520	14	<5	<20	20	0.04	<10	51	<10	5	90
71	7R54177	5	<0.2	2.21	5	220	<5	0.25	1	13	29	22	3.26	10	0.73	692	2	0.03	18	700	16	<5	<20	16	0.07	<10	71	<10	5	79
72	7R54178	<5	<0.2	1.73	<5	195	<5	0.48	<1	12	33	20	2.87	10	0.83	773	2	0.04	13	1370	10	<5	<20	24	0.07	<10	68	<10	6	60
73	7R54179	<5	<0.2	1.20	<5	165	<5	0.29	<1	5	16	19	1.93	<10	0.40	279	2	0.02	6	700	8	<5	<20	23	0.05	<10	57	<10	3	39
74	7R54180	<5	<0.2	0.15	<5	15	<5	0.20	<1	3	2	5	0.85	<10	0.08	61	<1	0.03	1	690	<2	<5	<20	12	0.04	<10	31	<10	1	6
75	7R54181	15	0.2	2.14	<5	160	<5	0.25	1	10	32	50	2.73	<10	0.79	455	3	0.03	15	510	12	<5	<20	28	0.05	<10	59	<10	4	86
76	7R54182	<5	<0.2	0.66	<5	130	<5	0.31	<1	5	6	27	0.84	<10	0.13	169	2	0.03	5	960	4	<5	<20	25	0.03	<10	24	<10	4	41
77	7R54183	20	0.5	1.81	5	90	<5	0.24	1	14	14	43	2.80	<10	0.69	1116	2	0.03	8	530	18	<5	<20	31	0.02	<10	47	<10	4	122
78	7R54184	<5	<0.2	1.30	<5	105	<5	0.39	<1	9	20	18	2.29	10	0.62	540	2	0.03	11	790	10	<5	<20	19	0.06	<10	47	<10	7	101
79	7R54185	<5	<0.2	1.59	<5	155	<5	0.36	<1	6	16	13	1.91	<10	0.50	310	1	0.02	11	490	8	<5	<20	19	0.03	<10	44	<10	4	46
80	7R54186	<5	<0.2	0.19	<5	25	<5	0.21	<1	4	3	5	1.01	<10	0.07	510	<1	0.03	1	720	<2	<5	<20	13	0.03	<10	34	<10	2	6
81	7R54187	<5	<0.2	0.18	<5	30	<5	0.20	<1	3	3	6	0.75	<10	0.07	243	<1	0.03	1	590	<2	<5	<20	14	0.03	<10	23	<10	2	6
82	7R54188	<5	<0.2	0.91	<5	135	<5	0.41	<1	8	11	12	1.74	<10	0.41	771	4	0.02	5	820	6	<5	<20	25	0.04	<10	37	<10	5	48
83	7R54189	<5	<0.2	1.58	5	90	<5	0.38	<1	9	23	41	3.21	10	0.62	561	4	0.03	10	1350	10	<5	<20	16	0.07	<10	69	<10	6	70
84	7R54190	<5	<0.2	1.89	5	165	<5	0.55	1	14	25	21	3.53	10	0.79	884	3	0.04	13	1800	14	<5	<20	24	0.08	<10	80	<10	7	100
85	7R54191	<5	0.2	1.70	5	175	<5	0.17	<1	10	22	15	3.29	<10	0.34	1112	2	0.03	11	420	10	<5	<20	15	0.03	<10	65	<10	4	80
86	7R54192	<5	<0.2	1.88	5	115	<5	0.19	<1	10	26	18	2.49	<10	0.46	530	2	0.03	19	410	10	<5	<20	14	0.06	<10	58	<10	4	46
87	7R54193	<5	<0.2	1.81	10	75	<5	0.12	<1	9	25	19	3.00	<10	0.38	386	4	0.03	13	290	16	<5	<20	10	0.07	<10	68	<10	3	45
88	7R54194	5	<0.2	1.06	<5	95	<5	0.33	<1	6	21	11	1.75	10	0.34	352	1	0.03	11	650	6	<5	<20	20	0.05	<10	44	<10	6	29
89	7R54195	<5	<0.2	2.16	5	120	<5	0.18	<1	9	29	20	2.70	<10	0.47	377	2	0.03	16	440	10	<5	<20	14	0.06	<10	63	<10	3	41
90	7R54196	<5	<0.2	0.13	<5	15	<5	0.03	<1	1	2	1	0.49	<10	0.02	31	<1	0.03	<1	70	<2	<5	<20	6	0.02	<10	18	<10	<1	<1

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
91	7R54197	<5	<0.2	0.84	<5	170	<5	0.11	<1	5	14	11	1.79	<10	0.18	192	2	0.02	6	190	8	<5	<20	14	0.07	<10	65	<10	2	28
92	7R54198	<5	<0.2	0.13	<5	15	<5	0.03	<1	1	2	2	0.35	<10	0.02	23	<1	0.02	<1	100	<2	<5	<20	6	0.02	<10	14	<10	<1	<1
93	7R54199	<5	<0.2	1.19	5	90	<5	0.10	<1	5	17	10	2.15	<10	0.27	204	2	0.02	7	230	10	<5	<20	10	0.08	<10	80	<10	2	30
94	7R54200	<5	0.2	0.17	<5	15	<5	0.10	<1	4	3	2	1.06	<10	0.07	107	<1	0.03	1	330	<2	<5	<20	9	0.04	<10	38	<10	<1	8
95	7R54201	<5	<0.2	2.67	10	210	<5	0.20	1	12	37	27	3.48	20	0.62	864	2	0.03	19	1170	28	<5	<20	17	0.05	<10	83	<10	8	68
96	7R54202	<5	<0.2	1.03	5	60	<5	0.03	1	9	18	6	2.62	10	0.16	962	1	0.02	13	160	18	<5	<20	3	0.02	<10	49	<10	7	124
97	7R54203	<5	<0.2	1.94	10	80	<5	0.12	<1	9	27	15	2.91	<10	0.43	337	2	0.03	16	340	12	<5	<20	9	0.07	<10	76	<10	3	42
98	7R54204	<5	<0.2	2.13	<5	285	<5	0.56	<1	11	26	99	3.50	30	0.92	509	5	0.03	12	1490	8	<5	<20	28	0.12	<10	83	<10	9	63
99	7R54205	<5	0.2	1.76	<5	150	<5	0.60	<1	12	20	20	3.37	10	0.50	966	1	0.06	11	1200	8	<5	<20	41	0.04	<10	82	<10	8	56
100	7R54206	<5	<0.2	1.81	5	170	<5	0.81	1	17	24	25	4.13	10	0.74	1042	2	0.08	12	1280	10	<5	<20	57	0.04	<10	105	<10	11	64
101	7R54207	<5	0.4	3.23	10	90	<5	0.19	1	12	29	26	3.87	10	0.46	766	2	0.03	15	990	12	<5	<20	14	0.05	<10	74	<10	5	45
102	7R54208	<5	<0.2	0.14	<5	15	<5	0.06	<1	4	3	2	1.20	<10	0.06	221	<1	0.03	1	130	<2	<5	<20	8	0.04	<10	44	<10	<1	9
103	7R54209	<5	0.2	1.39	<5	160	<5	0.37	<1	11	18	17	2.15	<10	0.41	930	1	0.03	10	900	8	<5	<20	30	0.04	<10	57	<10	4	43
104	7R54210	<5	<0.2	1.57	<5	160	<5	0.32	<1	6	19	21	1.85	<10	0.37	276	1	0.03	9	740	8	<5	<20	25	0.04	<10	48	<10	4	32
105	7R54211	<5	<0.2	0.43	<5	70	<5	0.36	<1	4	6	5	0.85	<10	0.15	423	<1	0.02	3	1000	<2	<5	<20	18	0.02	<10	21	<10	3	25
106	7R54212	<5	0.2	0.85	5	105	<5	0.46	<1	7	14	19	1.31	<10	0.32	351	1	0.03	7	610	8	<5	<20	33	0.04	<10	42	<10	5	31
107	7R54213	<5	<0.2	0.17	<5	25	<5	0.22	<1	2	2	6	0.40	<10	0.06	41	<1	0.03	1	310	<2	<5	<20	16	0.03	<10	17	<10	1	8
108	7R54214	<5	<0.2	1.12	5	110	<5	0.51	<1	8	19	23	1.41	<10	0.47	261	<1	0.03	11	570	8	<5	<20	33	0.05	<10	47	<10	4	38
109	7R54215	<5	<0.2	1.23	5	130	<5	0.44	<1	8	19	25	1.43	<10	0.43	300	1	0.03	10	570	8	<5	<20	32	0.05	<10	46	<10	4	32
110	7R54216	<5	<0.2	1.72	10	205	<5	0.59	<1	10	27	47	1.83	20	0.58	327	2	0.04	16	480	12	<5	<20	44	0.07	<10	54	<10	15	45
111	7R54217	<5	<0.2	1.37	10	190	<5	0.61	<1	10	22	34	1.91	20	0.49	542	2	0.05	13	610	10	<5	<20	45	0.06	<10	57	<10	11	49
112	7R54218	<5	<0.2	0.35	<5	25	<5	0.11	<1	2	3	7	0.70	<10	0.05	44	<1	0.03	1	340	2	<5	<20	10	0.02	<10	19	<10	2	7
113	7R54219	<5	<0.2	1.07	10	125	<5	0.54	<1	8	16	25	2.44	20	0.37	461	1	0.04	8	1070	10	<5	<20	46	0.05	<10	51	<10	9	42
114	7R54220	<5	<0.2	1.86	5	75	<5	0.21	1	12	22	12	3.83	10	0.58	841	2	0.03	10	770	12	<5	<20	13	0.09	<10	69	<10	5	64
115	7R54221	10	<0.2	1.32	5	140	<5	0.56	<1	8	19	26	2.41	10	0.44	440	1	0.04	10	870	10	<5	<20	49	0.04	<10	49	<10	8	41
116	7R54222	<5	<0.2	1.01	5	140	<5	0.39	<1	8	14	17	2.15	10	0.33	495	1	0.04	7	680	8	<5	<20	37	0.04	<10	44	<10	6	34
117	7R54223	<5	<0.2	1.39	<5	165	<5	0.53	<1	10	16	8	2.58	10	0.73	342	2	0.04	6	1410	8	<5	<20	21	0.11	<10	66	<10	5	44
118	7R54224	<5	<0.2	1.71	<5	160	<5	0.28	1	13	18	8	3.69	<10	0.73	874	2	0.03	7	610	10	<5	<20	20	0.13	<10	91	<10	3	64
119	7R54225	<5	<0.2	0.16	<5	40	<5	0.16	<1	2	1	2	0.47	<10	0.07	43	<1	0.04	<1	450	<2	<5	<20	14	0.03	<10	13	<10	2	7
120	7R54226	<5	<0.2	0.25	<5	45	<5	0.14	<1	2	2	4	0.41	<10	0.05	28	<1	0.03	1	360	2	<5	<20	12	0.02	<10	11	<10	2	7
121	7R54227	<5	<0.2	2.06	10	220	<5	0.49	1	11	29	33	3.84	30	0.69	310	2	0.04	14	1010	14	<5	<20	32	0.09	<10	85	<10	16	64
122	7R54228	<5	<0.2	0.99	<5	60	<5	0.19	<1	6	18	7	1.97	<10	0.37	168	1	0.02	7	260	10	<5	<20	14	0.10	<10	63	<10	2	35
123	7R54229	10	0.2	2.69	5	520	<5	0.42	1	14	22	32	4.27	20	0.65	1040	3	0.03	13	960	20	<5	<20	32	0.04	<10	74	<10	14	76
124	7R54230	<5	<0.2	0.72	10	50	<5	0.18	<1	6	7	4	1.62	10	0.12	1066	10	<0.01	5	320	6	<5	<20	8	0.02	<10	13	<10	20	29
125	7R54231	<5	0.2	1.16	25	80	<5	0.27	1	12	11	7	2.41	30	0.16	2368	12	0.02	9	500	10	<5	<20	13	0.02	<10	19	<10	36	68

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
126	7R54232	<5	<0.2	0.86	15	55	<5	0.20	<1	7	8	5	1.58	20	0.11	1188	8	<0.01	7	350	8	<5	<20	9	0 02	<10	14	<10	24	61
127	7R54233	<5	<0 2	0 68	15	45	<5	0.11	<1	6	7	4	1 63	20	0.11	1043	8	<0.01	6	270	8	<5	<20	5	0 02	<10	13	<10	16	65
128	7R54234	<5	<0.2	1.49	25	90	<5	0 44	2	9	12	11	2.67	40	0 13	1592	12	0.02	10	670	12	<5	<20	21	0 02	<10	20	<10	64	99
129	7R54235	<5	<0.2	0.67	15	95	<5	0.16	<1	8	7	5	1.65	40	0.10	1923	11	<0.01	6	290	10	<5	<20	7	0.02	<10	13	<10	20	63
130	7R54236	<5	<0.2	1.17	15	65	<5	0.27	1	7	10	8	1 95	30	0.12	1438	11	0.01	8	530	10	<5	<20	13	0.02	<10	17	<10	42	98
131	7R54237	<5	0 2	1 23	15	115	<5	0.96	1	6	14	14	1 75	110	0.21	1134	21	0.02	15	760	14	<5	<20	33	0 02	<10	17	<10	113	51
132	7R54238	<5	<0.2	0.58	5	30	<5	0.13	<1	3	8	4	0.94	10	0 16	108	3	<0 01	5	300	6	<5	<20	6	0.02	<10	12	<10	11	21
133	7R54239	<5	<0.2	0.54	<5	55	<5	0 29	<1	4	9	6	0.87	30	0.25	99	1	<0 01	7	390	4	<5	<20	12	0.02	<10	12	<10	8	20

QC DATA:

Repeat:

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	7R54101	<5	<0.2	0.93	<5	115	<5	0.22	<1	5	14	20	1.60	<10	0 25	155	1	0.02	7	210	8	<5	<20	21	0 02	<10	43	<10	2	26
10	7R54110		<0 2	0.22	<5	35	<5	0 19	<1	2	2	4	0.69	<10	0 05	66	<1	0.04	2	280	<2	<5	<20	13	0.02	<10	20	<10	<1	4
19	7R54119		<0.2	0.13	<5	15	<5	0.04	<1	1	2	2	0 42	<10	0.02	28	<1	0.04	<1	80	<2	<5	<20	7	0 02	<10	18	<10	<1	<1
24	7R54124	<5																												
28	7R54128		<0 2	0.26	<5	20	<5	0 07	<1	4	6	7	1.32	<10	0.08	85	<1	0 02	3	140	<2	<5	<20	8	0 04	<10	46	<10	<1	11
30	7R54130	<5																												
36	7R54136		0 2	0.16	<5	25	<5	0 09	<1	1	1	2	0.30	<10	0.04	23	<1	0 04	<1	260	<2	<5	<20	10	0.02	<10	9	<10	<1	<1
38	7R54138	<5																												
45	7R54145		<0.2	0.61	<5	65	<5	0.51	<1	6	12	21	1 42	<10	0.30	231	<1	0.04	8	730	4	<5	<20	30	0.04	<10	43	<10	2	17
46	7R54146	<5																												
54	7R54160		<0.2	0.39	<5	150	<5	1 36	<1	4	3	17	0.51	<10	0.10	657	<1	0 03	5	510	<2	<5	<20	98	<0.01	<10	9	<10	2	13
61	7R54167	<5																												
63	7R54169		<0 2	0.17	<5	15	<5	0.07	<1	2	3	7	0.76	<10	0.05	46	<1	0.03	1	160	<2	<5	<20	8	0 02	<10	25	<10	<1	5
68	7R54174	30																												
71	7R54177		0.2	2 22	5	220	<5	0.26	1	13	28	20	3.19	10	0 74	687	2	0.03	18	740	16	<5	<20	16	0 07	<10	71	<10	5	77
72	7R54178	<5																												
80	7R54186		<0 2	0 19	<5	20	<5	0 22	<1	4	3	6	1 13	<10	0.07	505	<1	0 04	2	730	<2	<5	<20	13	0 04	<10	39	<10	2	7
86	7R54192	<5																												
89	7R54195		<0 2	2 12	5	120	<5	0 18	<1	9	27	19	2 54	<10	0.47	366	2	0 03	15	430	10	<5	<20	13	0 06	<10	61	<10	3	39
92	7R54198	<5																												
98	7R54204	<5	<0 2	2.07	5	285	<5	0 59	1	12	29	95	3 78	30	0 96	471	5	0 04	11	1610	12	<5	<20	31	0.13	<10	83	<10	10	62
108	7R54214	<5																												
115	7R54221		<0.2	1.35	5	140	<5	0.58	<1	8	19	25	2.37	10	0.44	431	1	0 04	10	900	10	<5	<20	48	0 04	<10	49	<10	8	42
119	7R54225	<5																												
124	7R54230		<0.2	0 70	10	50	<5	0.16	<1	6	7	3	1.50	10	0.13	999	9	<0.01	6	290	6	<5	<20	8	0.02	<10	13	<10	18	28
132	7R54238	<5																												

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Standard:																														
Till-3			1.5	1 04	75	35	<5	0 49	<1	11	58	22	1.92	10	0 55	310	1	0.03	30	440	18	<5	<20	15	0.04	<10	37	<10	6	38
Till-3			1.4	1.14	75	35	<5	0 50	<1	11	60	22	2.00	10	0.57	326	1	0.04	29	480	18	<5	<20	16	0 04	<10	36	<10	6	38
Till-3			1 5	1 12	80	35	<5	0.53	<1	12	63	21	2.03	10	0.59	320	2	0.03	27	470	20	<5	<20	17	0 05	<10	36	<10	6	36
Till-3			1 5	1 04	75	30	<5	0.49	<1	11	59	20	2 09	10	0 55	307	1	0 03	25	480	18	<5	<20	15	0.05	<10	37	<10	6	36
SF30		820																												
SF30		830																												
SF30		825																												
SF30		825																												

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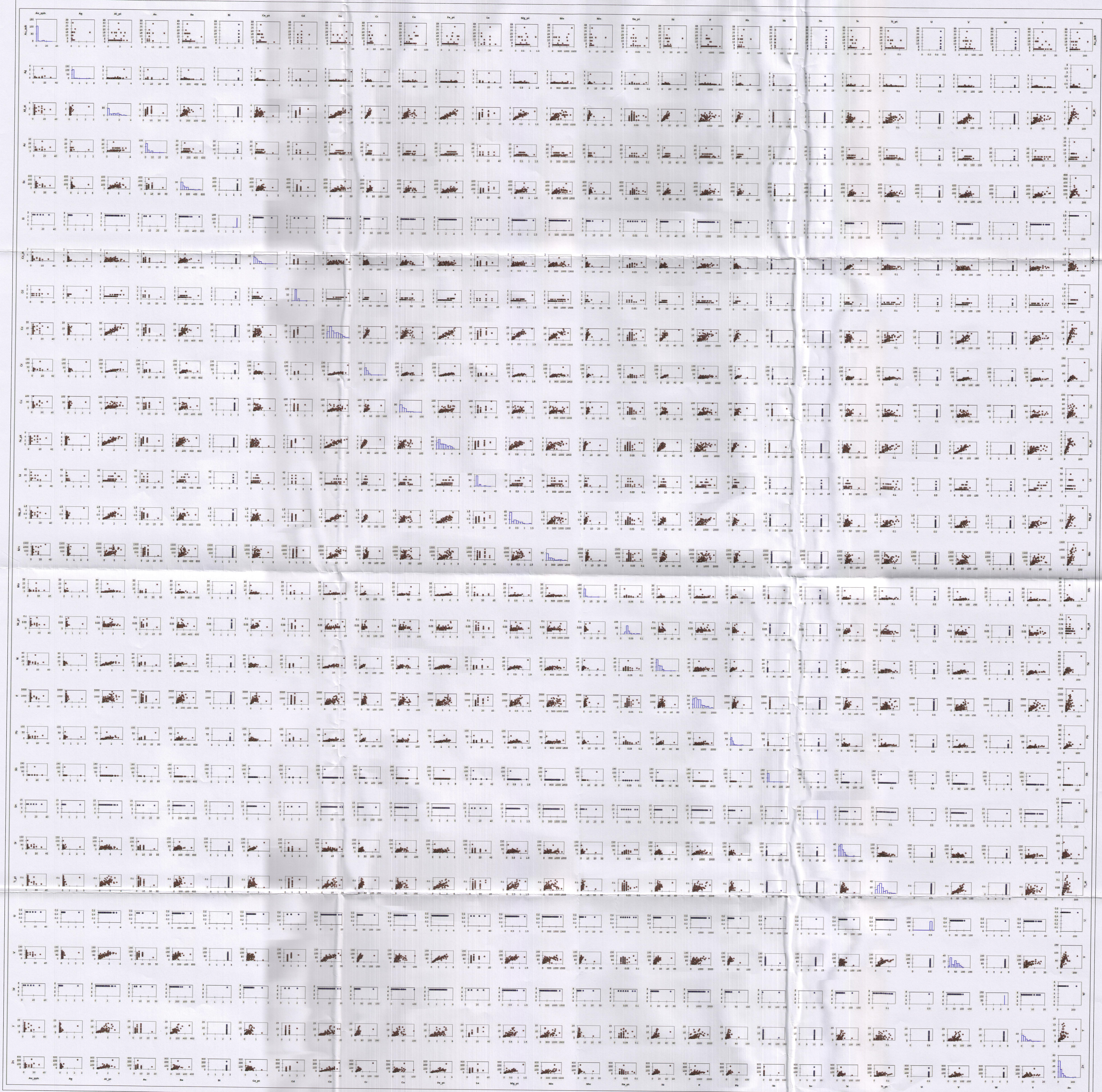

Figure 4. Soil geochemical survey - Covariance analysis - Scatter plot