

REANALYSIS OF REGIONAL GEOCHEMICAL SURVEY STREAM SEDIMENT SAMPLES FROM THE MCLEOD LAKE AREA (NTS 93J)

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KEYWORDS: Geochemical surveys, stream sediments, re-analysis, gold, copper, McLeod Lake.

INTRODUCTION

Reconnaissance scale drainage surveys aim to identify areas of high mineral potential using elevated element concentrations in stream sediment, lake sediment and water samples so that individuals and mining companies can focus their search for new deposits. A regional geochemical survey (RGS) has covered almost 70% of British Columbia with stream sediment, moss mat sediment, lake sediment, lake water and stream water samples collected at an average density of 1 sample per 13 square kilometres from over 50 000 sites. In addition to collecting samples the BC Geological Survey upgrades the RGS database with information from new surveys and with data from the analysis of archival samples. Geofile 2006-10 describes the results of reanalyzing archive RGS samples from the McLeod lake map sheet (NTS 93J).

Rising metal prices have strongly stimulated mineral exploration activity in BC, but only an estimated 12% of the total 2005 exploration expenditures were for grassroots projects (Schroeter *et al.* 2006). The McLeod Lake Map Sheet (Figure 1) is partially underlain by bedrock with a high mineral potential, but presently only 10 percent is covered by mineral claims. While a previous regional geochemical stream sediment-water survey covered the Map Sheet, the sediment samples were not analysed for Au (BCMEMP, 1986; Faulkner, 1986). In 2006 the archived stream sediment samples were re-analysed by inductively coupled plasma mass spectrometry and generated data for additional elements including Au. Geofile 2006-09 describes the results of the reanalysis of the McLeod Lake RGS samples and identifies areas with a higher potential for different mineral deposit types based on the sediment geochemistry.

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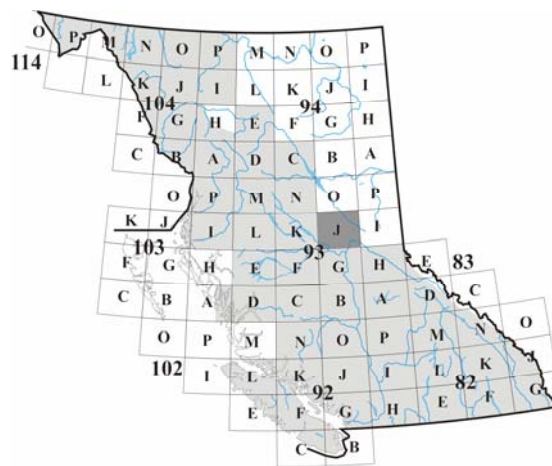


Figure 1. Archival re-analysis project area

MCLEOD LAKE AREA

The physiography of the McLeod Lake area ranges from the low lying Fraser Basin and Nechako Plain in the south and west of the map sheet to more mountainous Misinchinka Ranges in the northeast (Holland, 1964). Prominent topographic features of the area include Mount Mackinnon, Teapot, Coffeepot and Averil Mountains. Carp, Summit, Davie and McLeod lakes drain through Crooked River into Williston Lake to the north whereas Beaver Lake in the western part of the map sheet drains through Salmon River into the Fraser River.

Regionally the topography reflects erosion of bedrock by continental and alpine glaciation and subsequent deposition of glacial sediment. A till blanket covering much of the western part of the area was deposited by an ice sheet advancing from the Coast Mountains onto Interior Plateau the during the later stages of the Fraser Glaciation (15 000 BP). The southwest to northeast ice flow direction is clearly visible on air photos as drumlins and glacial groves. Near the Misinchinka Mountains in the east the ice flow direction becomes more northerly as the advancing continental ice sheet was most likely deflected by glaciers emerging from the Cariboo Mountains (Clague, *et al.* 1987). Glaciogenic sediments deposited on Misinchinka Mountains are thinner than in

the west and range from a till veneer to colluvium with continuous bedrock at higher elevations. Fine grained glaciolacustrine and glaciofluvial sediments partially cover till in the south part of the map sheet. Other deglaciation landforms in this area are esker complexes, outwash plains and lateral overflow channels. A pitted terraine mapped along the Parsnip River valley suggests that locally there were periods of ice stagnation.

Struik (1988, 1989) mapped seven, main fault bounded assemblages within the McLeod Lake map sheet. East of the Crooked River the rocks are mainly Precambrian to Triassic age basinal carbonates and clastic sediments characteristic of the continental shelf. These rocks form the Rocky Mountain, McGregor and Cassier Assemblages. West of the Crooked River are the Slide Mountain, Cache Creek and Quesnel Terranes represented by the Slide Mountain, Cache Creek and Takla Groups (Figure 2). Rock types in these Groups are Late Paleozoic to Early Jurassic basalt, diorite, gabbro, limestone, clastic sediments and chert typical of rift, trench and arc environments. The seventh assemblage is the Wolverine Complex. Rock types forming this complex include quartz-feldspathic paragneiss and granitic plutonic rocks with smaller post deformational granite, tonalite, syenite and granodiorite intrusions. In the western part of the McLeod area older bedrock is concealed by flat lying Late Oligocene or Miocene basalt flows that erupted from centers such as Teapot and Coffeepot Mountains. Three distinct northwest, north and northeast trending strike slip and extensional fault sets have been mapped by Struik, 1992. The faults are believed to reflect two distinct plate-motion configurations between the North American and the Kula-Pacific Plates. Major structures crossing the map sheet are the McLeod Lake and Northern Rocky Mountain trench fault systems in the northeast and the Pinchi fault systems in the southwest.

There are 25 reported Minfile Occurrences in the McLeod Lake area (Figure 2, Map 1). Six of these have Au as the principal commodity, 2 have Cu, 2 have Hg, 4 have Zn-Pb, 1 has W, 1 is a rare earth element occurrence while the remainder of the Minfile occurrences are classified as industrial mineral. Four of the Au occurrences are placer Au with associated Pt. The two other Au showings are described as sulphide bearing vein type. For example, at the Syndicate showing (MINFILE 093J 013) multiple quartz veins up to 2 metres wide in Slide Mountain Group argillite are exposed in a creek. Close to these veins is a dike containing pyrite. In 1932, samples of the quartz veins where reported to contain up to 2.4 grams per tonne of Au. Later analysis of rock samples from a pyrite-pyrrhotite-chalcopryrite mineralized gabbro dike and pyroxenite intrusive did not detect any elevated Au and Pt. However, anomalous Au and Pt levels were found in soil samples from the area.

The two Hg occurrences are represented by the presence of small amounts of cinnabar in carbonatized, sheared mafic volcanic rocks of the Takla Group. They appear to be spatially related to the Pinchi Fault between the Cache Creek and Quesnel Terranes.

Three of the 4 Cu, Pb and Zn occurrences are classified as vein type. However, the Windy (MINFILE 093J 024) has been described as an alkalic porphyry Cu-Au type mineralization. The Windy showing is underlain by poorly exposed rocks of the Upper Triassic Takla Group to the north and an extensively chloritized and sheared diorite intrusion to the south. The Takla Group is comprised of augite porphyry flows and minor tuffaceous sediments. Alteration minerals consist of chlorite and minor epidote, carbonate and sericite. Epidote occurs with quartz, chlorite and minor sphene in veinlets and alteration blebs. Mineralization exposed in pits and outcrops consists of pyrite, chalcopryrite and malachite with low and variable Au, Ag and Pd values. Chalcopryrite with minor pyrite occurs as disseminations, in veinlets in diorite associated with quartz and epidote and in quartz tourmaline. The average of five samples collected in 1987 assayed 0.36 per cent Cu and 0.57 grams per tonne Au. The maximum Pd value from the samples was 1.25 grams per tonne (Cannon, *et al.*, 1986).

SAMPLE ANALYSIS

A total of 1152 archive RGS samples (including field duplicates) and 36 samples of 8 different geochemical standards were analysed by leaching 1 gram of the sample with a HCl-HNO₃-H₂O (2:2:2 v/v) mixture at 95°C for one hour and then measuring the concentration of 37 elements in the diluted solution by inductively coupled plasma mass spectrometry (ICP/MS). ACME laboratories, Vancouver, analysed the archived samples. Detection limits for elements by ICP/MS and also those by the aqua regia digestion-atomic absorption spectrometry (AAS) used in 1986 (BCMEMP, 1986) are shown in Table 1. Sample locations are shown in Figure 3 and Map 2.

Analytical precision expressed as percent relative standard deviation (% RSD) has been calculated for 35 elements from 30 repeat ICP/MS determinations of a sediment standard (- 80 mesh fraction). The values are listed in Table 2. Precision for B and W has not been included because most of the values are below detection limit. Twenty five of the 35 elements have % RSD values less than 7% and only Ag, Au, Cd, Hg, K, Sb, Te and Tl exceed 10%. The low precision for Au, Ag and Sb (> 20% RSD) can be explained the small sample used for analysis and the heterogeneous distribution of metal-bearing minerals (e.g. sulphides) in the sediment standard (Clifton *et al.*, 1969).

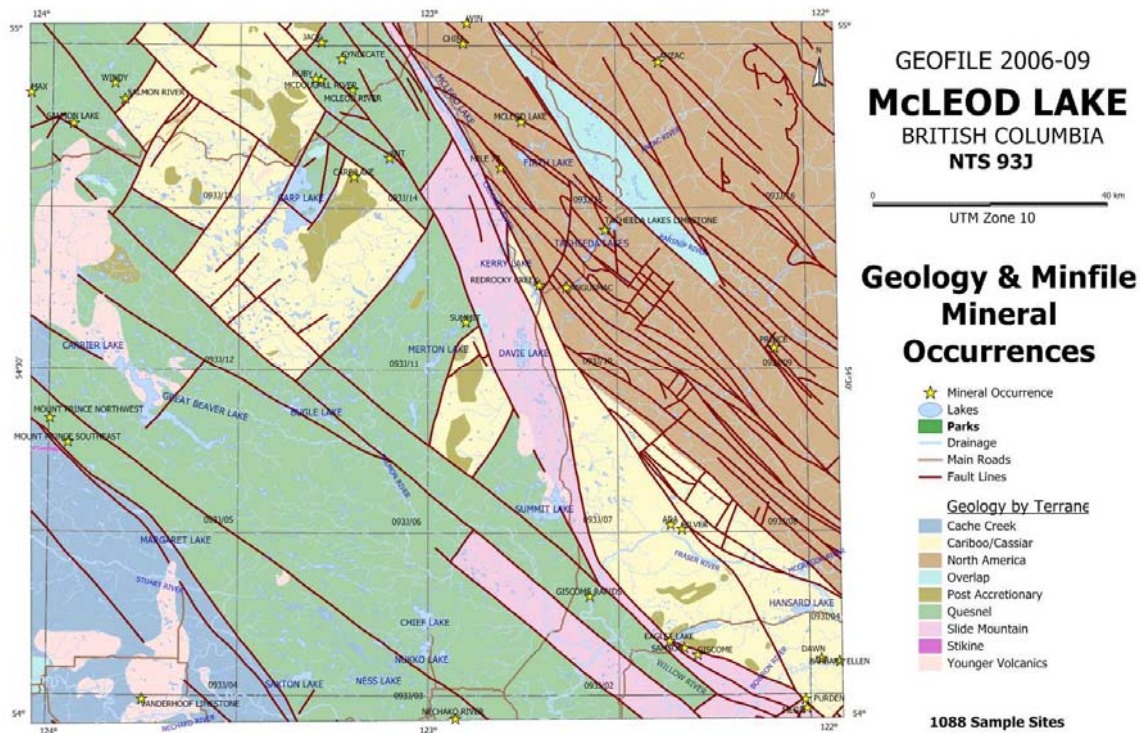


Figure 2. Geology and MINFILE mineral occurrences

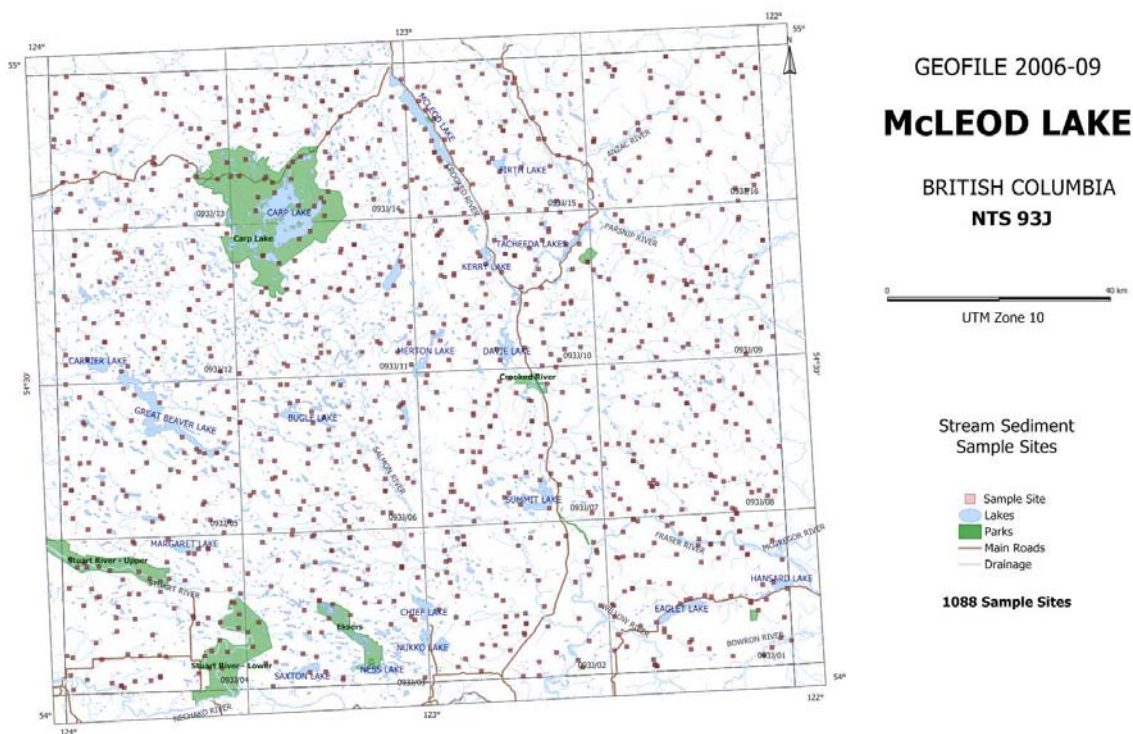


Figure 3. Sediment sample locations.

TABLE 1.
DETECTION LIMITS FOR ICP/MS AND AAS
DETERMINED ELEMENTS

	Units	ICP/MS	AAS
Ag	ppb	2	100
Al	%	0.01	
As	ppm	0.1	1
Au*	ppb	0.2	
B	ppm	1	
Ba	ppm	0.5	
Bi	ppm	0.02	
Ca	%	0.01	
Cd	ppm	0.01	0.1
Co	ppm	0.1	2
Cr	ppm	0.5	
Cu	ppm	0.01	2
Fe	%	0.01	0.01
Ga	ppm	0.2	
Hg	ppb	5	5
K	%	0.01	
La	ppm	0.5	
Mg	%	0.01	
Mn	ppm	1	5
Mo	ppm	0.01	1
Na	%	0.001	
Ni	ppm	0.1	2
P	%	0.001	
Pb	ppm	0.01	2
S	%	0.02	
Sb	ppm	0.02	1
Sc	ppm	0.1	
Se	ppm	0.1	
Sr	ppm	0.5	
Te	ppm	0.02	
Th	ppm	0.1	
Ti	%	0.001	
Tl	ppm	0.02	
U	ppm	0.1	
V	ppm	2	5
W	ppm	0.2	
Zn	ppm	0.1	2

TABLE 2.
PRECISION (%RSD) DETERMINED FROM 30
REPEAT ANALYSIS OF A SEDIMENT STANDARD

Element	Units	Mean	% RSD
Ag	ppb	79.23	20.3
Al	%	1.87	4.4
As	ppm	5.09	8.5
Au	ppb	29.17	36.3
Ba	ppm	50.32	5.7
Bi	ppm	0.50	5.4
Ca	%	0.70	4.1
Cd	ppm	0.20	12.6
Co	ppm	11.33	4.4
Cr	ppm	22.19	5.2
Cu	ppm	163.51	4.2
Fe	%	4.27	4.2
Ga	ppm	5.62	4.2
Hg	ppb	22.07	15.4
K	%	0.03	14.4
La	ppm	4.55	5.3
Mg	%	0.67	4.0
Mn	ppm	436.00	3.2
Mo	ppm	13.73	7.3
Na	%	0.02	6.9
Ni	ppm	12.38	5.2
P	%	0.05	4.5
Pb	ppm	6.81	7.7
S	%	0.64	5.5
Sb	ppm	0.17	20.6
Sc	ppm	4.74	4.9
Se	ppm	3.25	5.6
Sr	ppm	48.53	4.9
Te	ppm	0.39	10.1
Th	ppm	1.07	10.0
Ti	%	0.14	5.3
Tl	ppm	0.03	10.5
U	ppm	0.41	6.2
V	ppm	96.10	4.1
Zn	ppm	49.32	7.3

Correlation coefficients calculated from Cd, Cu, Mn, Ni, Pb, V and Zn data for sediments analysed by ICP/MS and AAS are greater than + 0.9 revealing that both methods give almost identical results. In Figure 4 this correlation is more clearly shown by the scatter plot for ICP/MS Cu versus AAS Cu. The poor correlation for Hg (Figure 5) could be the result of sample contamination whereas other weaker correlations can be caused by differences in analytical method such as for Ba (Figure 6 or detection limit such as for Ag (Figure 7).

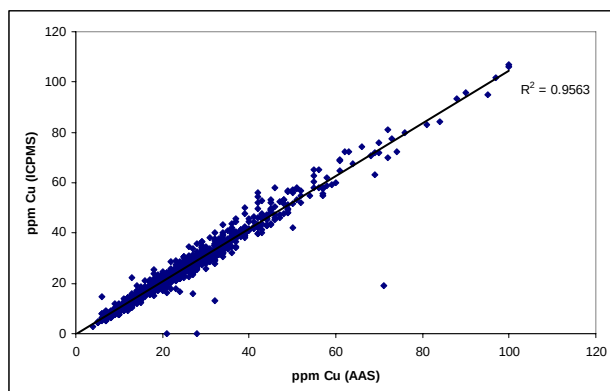


Figure 4. Correlation between Cu by ICP/MS and AAS

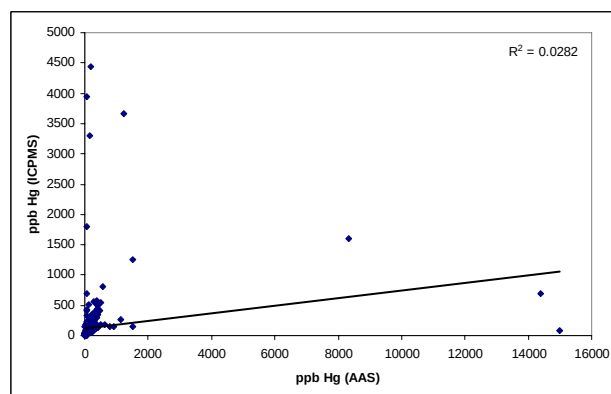


Figure 5. Correlation between Hg by ICP/MS and AAS

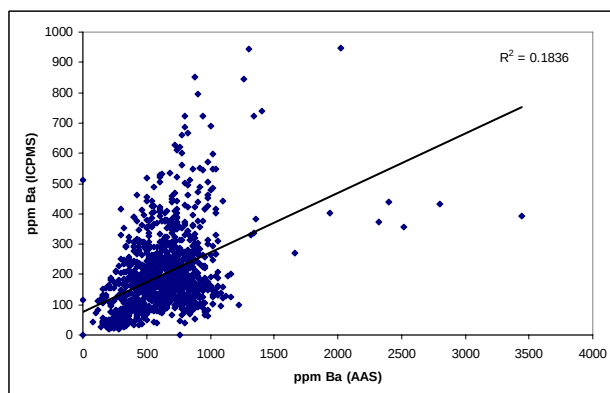


Figure 6. Correlation between Ba by ICP/MS and AAS

RESULTS

The ICP/MS multi-element element data together with the original AAS results and field information are listed in Appendices A. Appendix C contains a copy of the original Open File BCRGS 15. Statistics (mean, median, percentile, maximum) for elements determined by ICP/MS and AAS in all of the samples are listed in

Table 3. The stream sediment geochemistry of selected elements (Au, Ag, Cu, Se) is discussed in the Geofile. Maps on which element variations are shown as colour coded symbols at the 99th, 98th, 95th and 90th percentiles are included as Appendix B.

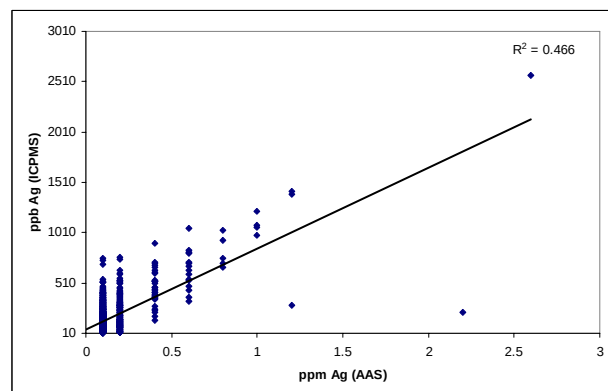


Figure 7. Correlation between Ag by ICP/MS and AAS

Gold (Figure 8, Map 6)

The highest Au value reported (147.5 ppb) is in a sample within the Carp Lake Park that is underlain by the Wolverine Metamorphic Complex. Except for Hg (800 ppb) no other elements appear to be elevated in the sample. Sediment from a stream north of Great Beaver Lake contains 60.5 ppb Au, but the high LOI content (54%) of this sample could explain the reason for the elevated Au metal content. Several other samples have Au values in the 98 to 99 percentile level (6.2 to 14.9 ppb). Three of these are located south and east of Carp Lake in an area underlain by Takla Group rocks. There is also a weak Au anomaly (16 ppb) with high Hg (1270 ppb) southwest of Great Beaver Lake along the strike extension of the Mount Prince Hg showing. This sample also has LOI content in the 50% range.

Arsenic (Figure 9, Map 5)

There is a close comparison between As determined by aqua regia- AAS and aqua regia-ICPMS. The highest As (91.8 ppm) detected by aqua regia-ICPMS occurs in a sediment sample from a stream near the south end of McLeod Lake in an area underlain by sedimentary rocks and close to the contact between the Slide Mountain Terrane and ancestral North America. Anomalous samples with lower As values are scattered though an area that is mainly underlain by Takla Group Rocks. While As is a common pathfinder for Au there is only a weak correlation between Au and As in sediment samples.

TABLE 3.
STATISTICS FOR SEDIMENT SAMPLES ANALYSED BY AQUA REGIA – ATOMIC ABSORPTION (AA)
AND ICPMS (IC), COLORIMETRY (CO) LOSS ON IGNITION (LOI) AND WATER SAMPLES. NUM.
INDICATES SAMPLES WITH VALUES ABOVE DETECTION LIMIT.

Element	Mean	Median	SD	Max.	Min.	50%ile	70%ile	80%ile	90%ile	95%ile	98%ile	99%ile	Num.
Ag_ppb_IC	166	112	183	2571	12	112	176	231	359	502	707	847	1085
Ag_ppm_AA	0.1	0.1	0.2	2.6	1.0	0.1	0.1	0.1	0.2	0.4	0.6	0.8	1088
Al_IC	1.22	1.15	0.55	4.23	0.05	1.15	1.43	1.59	1.85	2.26	2.58	2.87	1085
As_ppm_AA	4.4	3.4	4.6	85.0	1.0	3.4	5.0	5.9	8.1	11.1	14.6	19.3	1088
As_ppm_IC	4.7	3.7	5.2	91.8	0.1	3.7	5.0	6.1	8.4	10.9	15.6	20.1	1085
Au_ppb_IC	1.8	1.1	5.5	147.5	0.1	1.1	1.6	2.0	2.7	3.7	6.2	14.9	1045
B_ppm_IC	2	2	2	26	0.5	2	2	3	4	5	7	10	921
Ba_ppm_AA	618	620	283	3440	1	620	740	820	900	980	1100	1340	1088
Ba_ppm_IC	199.9	176.1	128.2	947.4	18.5	176.1	235.3	272.7	364.3	431.6	546.9	670.4	1085
Bi_ppm_IC	0.11	0.09	0.08	0.73	0.01	0.09	0.12	0.15	0.20	0.25	0.35	0.39	1079
Ca_IC	0.77	0.57	0.69	6.80	0.08	0.57	0.75	0.93	1.55	2.15	2.95	3.52	1085
Cd_ppm_AA	0.4	0.2	0.6	9.4	1.0	0.2	0.4	0.6	0.8	1.2	2.0	2.6	1088
Cd_ppm_IC	0.47	0.32	0.57	8.97	0.03	0.32	0.48	0.63	0.93	1.35	2.08	2.62	1085
Co_ppm_AA	10	10	6	80	1	10	12	13	16	19	22	25	1088
Co_ppm_IC	10.9	10.4	5.6	52.0	0.5	10.4	12.9	14.6	17.3	20.5	23.7	27.3	1085
Cr_ppm_IC	42.3	37.4	24.6	175.3	2.5	37.4	51.7	60.7	74.3	89.7	106.7	112.5	1085
Cu_ppm_AA	24	21	13	100	1	21	27	32	41	49	62	72	1088
Cu_ppm_IC	24.74	21.42	14.43	107.00	2.88	21.42	28.19	32.70	42.52	52.53	67.86	76.12	1085
F_ppb_Wat	44	40	25	230	10	40	48	54	70	92	130	140	877
Fe_AA	2.1	2.0	1.1	14.0	1.0	2.0	2.5	2.8	3.3	3.8	4.2	4.4	1088
Fe_IC	2.21	2.18	0.98	12.98	0.11	2.18	2.62	2.86	3.37	3.92	4.37	4.68	1085
Ga_ppm_IC	3.5	3.4	1.5	11.1	0.1	3.4	4.1	4.6	5.3	6.1	7.2	7.8	1085
Hg_ppb_AA	136	81	636	15000	1	81	124	155	210	275	385	497	1088
Hg_ppb_IC	132	93	251	4437	3	93	137	171	225	286	409	555	1084
K_IC	0.07	0.06	0.04	0.43	0.01	0.06	0.08	0.09	0.11	0.14	0.16	0.18	1085
La_ppm_IC	14.6	12.5	8.8	96.2	0.3	12.5	15.6	18.3	25.0	31.6	38.6	45.2	1083
LOI	17.7	8.2	21.7	92.4	1.0	8.2	15.4	25.4	58.1	73.8	84.4	86.6	1088
Mg_IC	0.53	0.51	0.25	2.24	0.04	0.51	0.62	0.70	0.83	0.96	1.14	1.28	1085
Mn_ppm_AA	752	530	831	8050	1	530	735	940	1400	2000	3500	4813	1088
Mn_ppm_IC	750	545	755	7832	17	545	765	1003	1423	1885	3273	4014	1085
Mo_ppm_AA	2	2	2	30	1	2	2	2	3	4	6	8	1088
Mo_ppm_IC	1.08	0.72	1.50	21.39	0.11	0.72	1.03	1.28	1.86	2.89	4.70	6.15	1085
Na_IC	0.011	0.01	0.006	0.045	0.002	0.01	0.013	0.015	0.019	0.022	0.028	0.032	1085
Ni_ppm_AA	37	29	27	270	1	29	40	48	65	87	120	141	1088
Ni_ppm_IC	39.6	31.3	28.6	293.4	1.4	31.3	43.1	52.9	70.7	100.9	124.6	144.3	1085
P_IC	0.092	0.085	0.035	0.353	0.023	0.085	0.100	0.112	0.135	0.159	0.190	0.218	1085
Pb_ppm_AA	5	4	4	28	1	4	6	8	10	13	19	21	1088
Pb_ppm_IC	7.47	6.40	4.51	32.80	0.77	6.40	8.27	9.88	13.27	15.72	21.91	24.63	1085
Ph_water	7.1	7.1	0.7	8.9	4.0	7.1	7.5	7.7	8.0	8.1	8.2	8.3	876
S_IC	0.10	0.04	0.17	2.97	0.01	0.04	0.07	0.13	0.27	0.41	0.57	0.71	1046
Sb_ppm_AA	0.4	0.3	0.4	5.1	-1.0	0.3	0.4	0.6	0.7	0.9	1.2	1.6	1088
Sb_ppm_IC	0.34	0.28	0.29	4.35	0.03	0.28	0.37	0.44	0.55	0.68	0.91	1.27	1085
Sc_ppm_IC	3.5	3.2	1.9	15.2	0.2	3.2	4.4	5.0	6.0	6.9	8.1	8.7	1085
Se_ppm_IC	0.8	0.4	1.6	19.6	0.1	0.4	0.6	0.9	1.5	2.4	5.6	7.6	1074
Sn_ppm_CO	1	1	0	8	1	1	1	1	1	2	2	2	1088
Sr_ppm_IC	41.1	35.6	26.1	281.8	6.1	35.6	45.5	53.1	69.1	90.4	118.7	141.1	1085
Te_ppm_IC	0.01	0.01	0.01	0.12	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	346
Th_ppm_IC	2.6	1.7	2.8	17.2	0.1	1.7	2.6	3.4	6.3	9.7	12.1	12.8	1065
Ti_IC	0.040	0.037	0.030	0.197	0.001	0.037	0.059	0.068	0.079	0.089	0.101	0.111	1085
Tl_ppm_IC	0.10	0.09	0.07	1.31	-0.02	0.09	0.11	0.13	0.16	0.18	0.24	0.29	1085
U_ppb_Wat	0.2	0.0	0.7	13.0	0.0	0.0	0.1	0.2	0.3	0.6	1.0	1.7	876
U_ppm_IC	1.5	0.9	2.4	32.8	-0.1	0.9	1.3	1.7	2.7	4.1	7.4	9.8	1085
U_ppm_NA	3.5	2.7	3.1	34.8	-1.0	2.7	3.5	4.5	6.1	7.8	11.9	15	1088
V_ppm_AA	37	35	20	165	-1	35	45	53	63	70	80	88	1088
V_ppm_IC	40	41	22	156	1	41	53	58	68	75	86	93	1079
W_IC	0.08	0.05	0.21	4.2	0.05	0.05	0.05	0.05	0.08	0.2	0.432	0.8	109
W_ppm_CO	1	1	1	22	-1	1	1	1	1	2	3	3	1088
Zn_ppm_AA	72	63	49	880	-1	63	78	88	110	140	180	231	1088
Zn_ppm_IC	74.8	66.8	49.7	922.8	4.1	66.8	81.8	93.7	112.8	135.7	179.0	218.7	1085

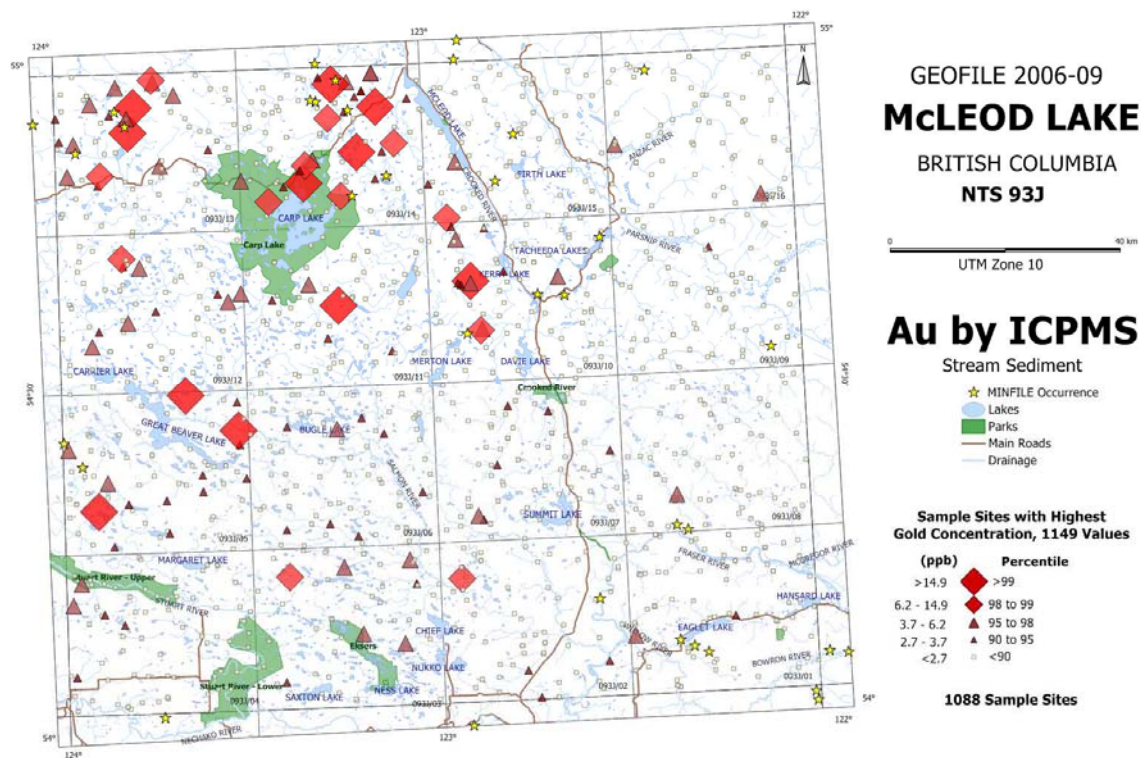


Figure 8. Gold in stream sediment samples

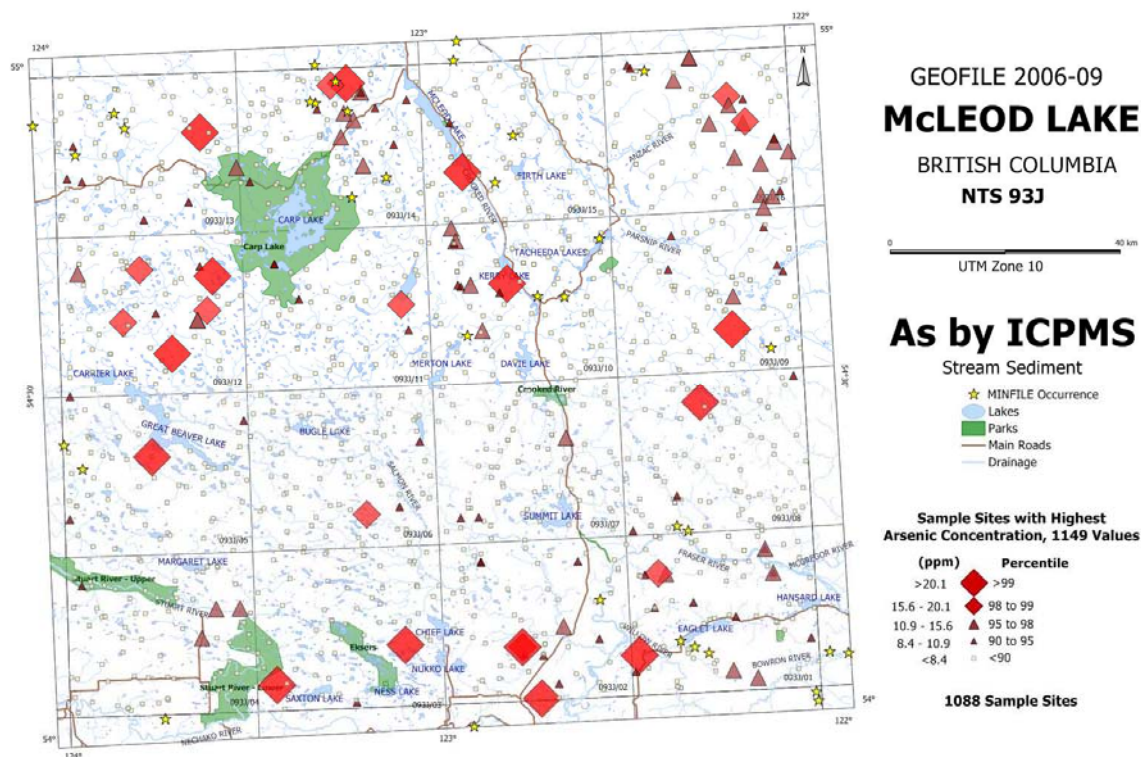


Figure 9. Arsenic in stream sediment samples

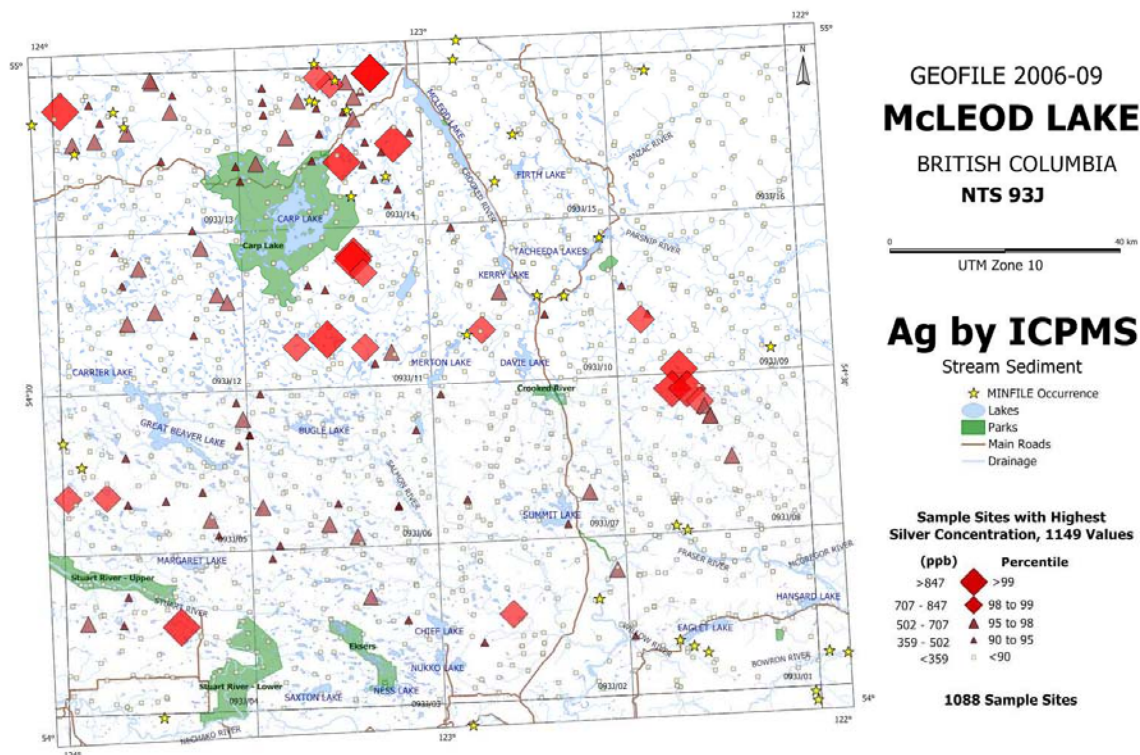


Figure 10. Silver in stream sediment samples

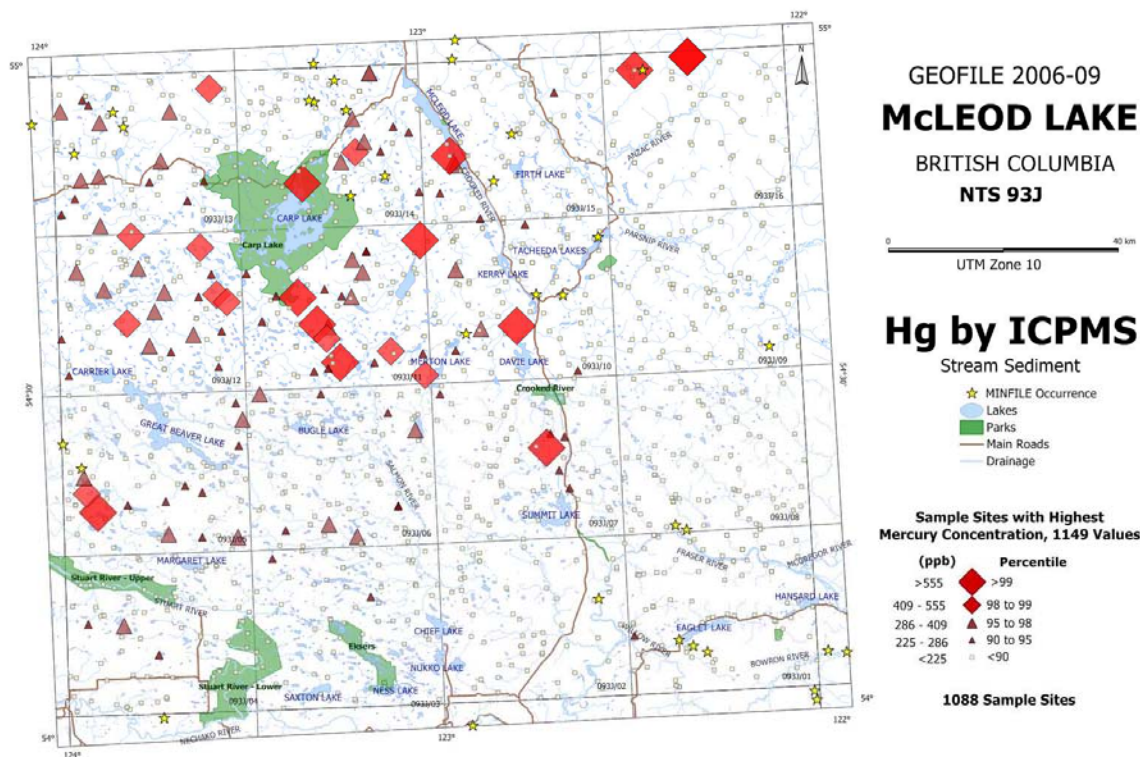


Figure 11. Mercury in stream sediment samples

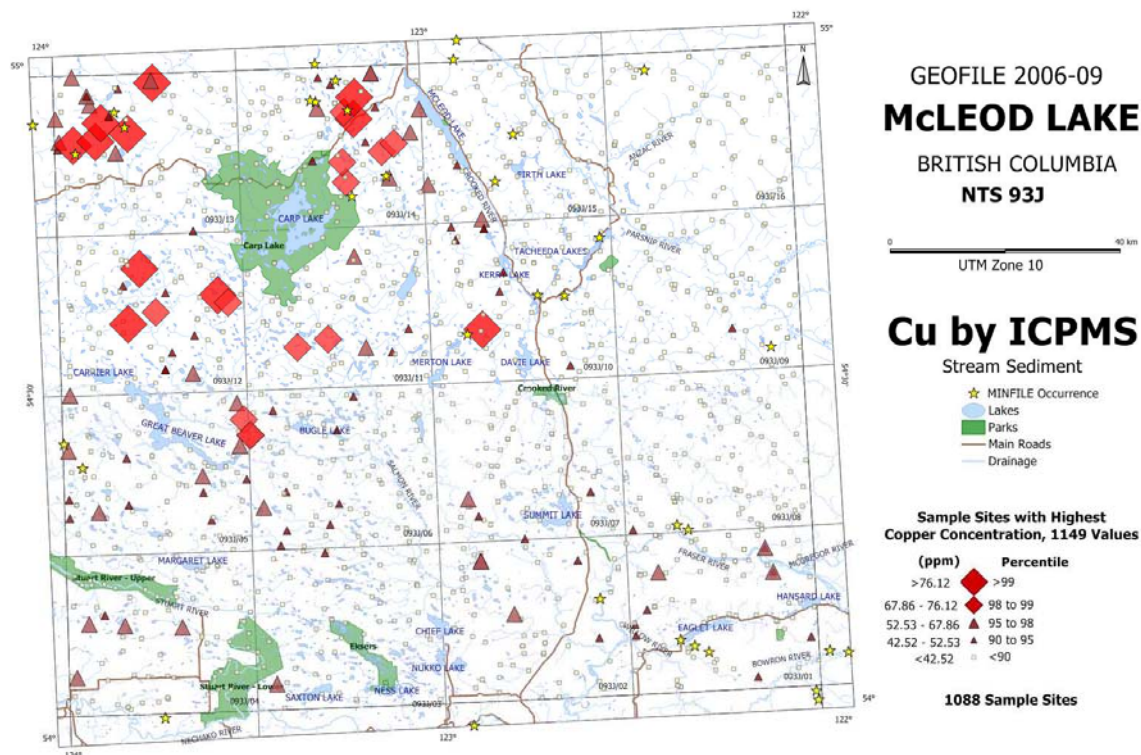


Figure 12. Copper in stream sediment samples

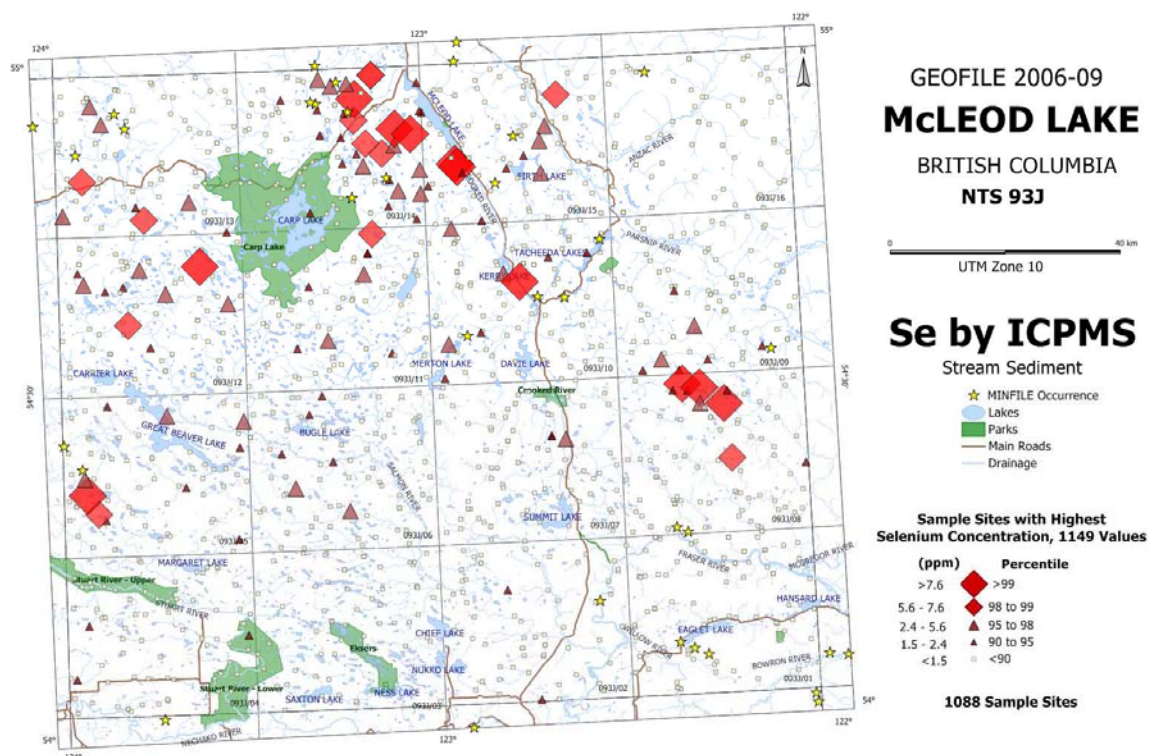


Figure 13. Selenium in stream sediment samples

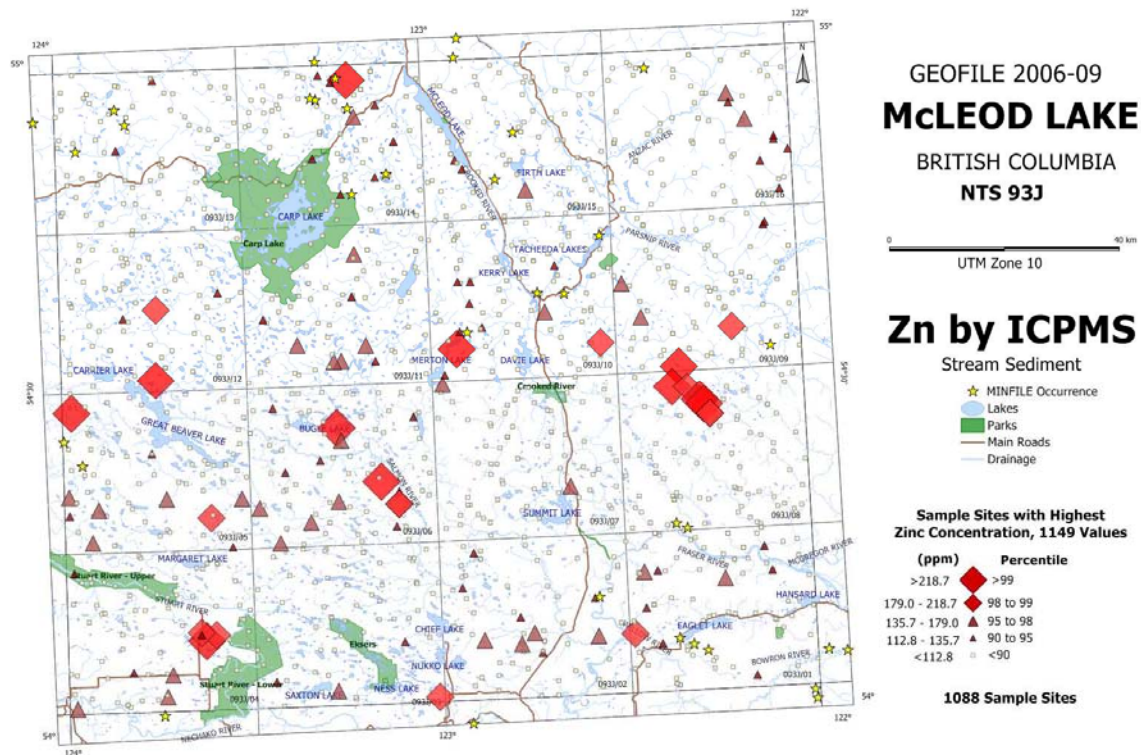


Figure 14. Zinc in stream sediment samples

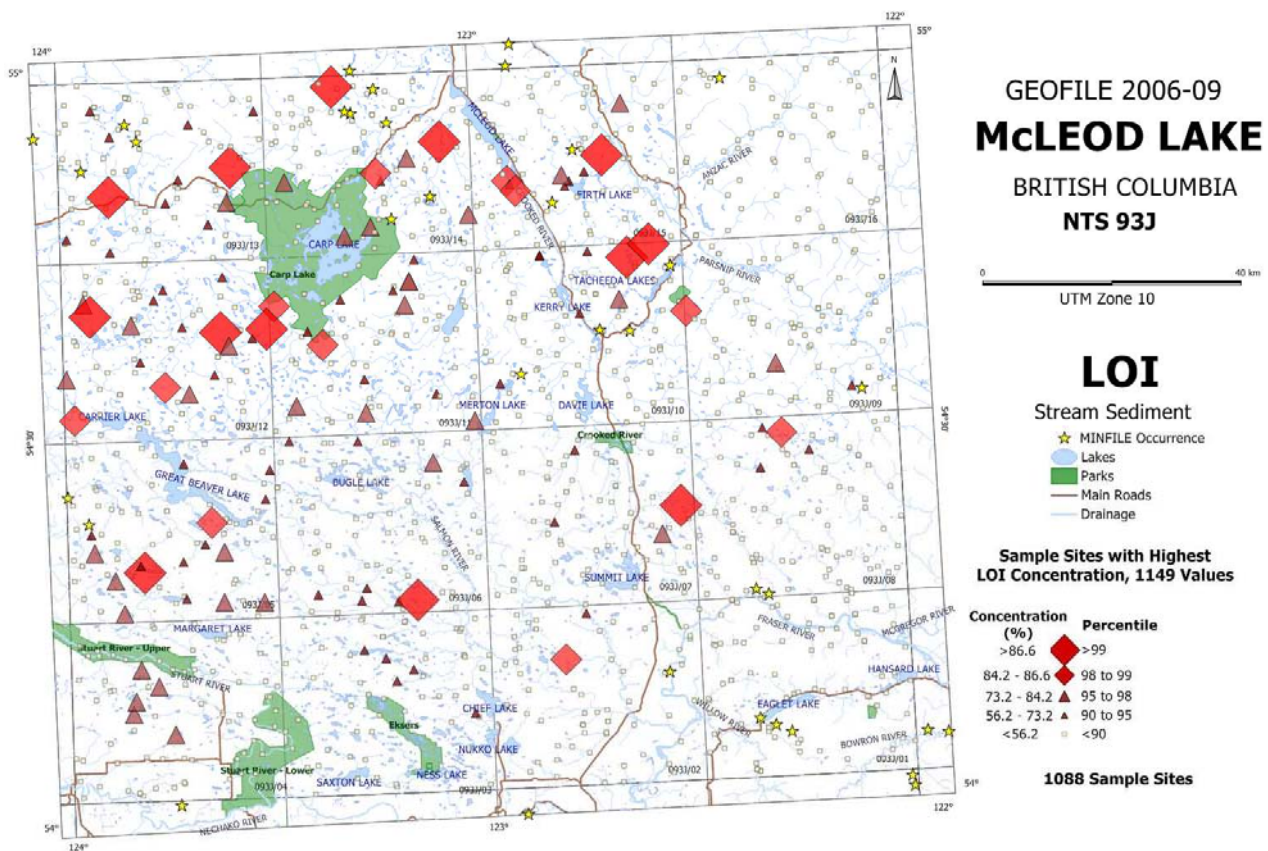


Figure 15. LOI in stream sediment samples

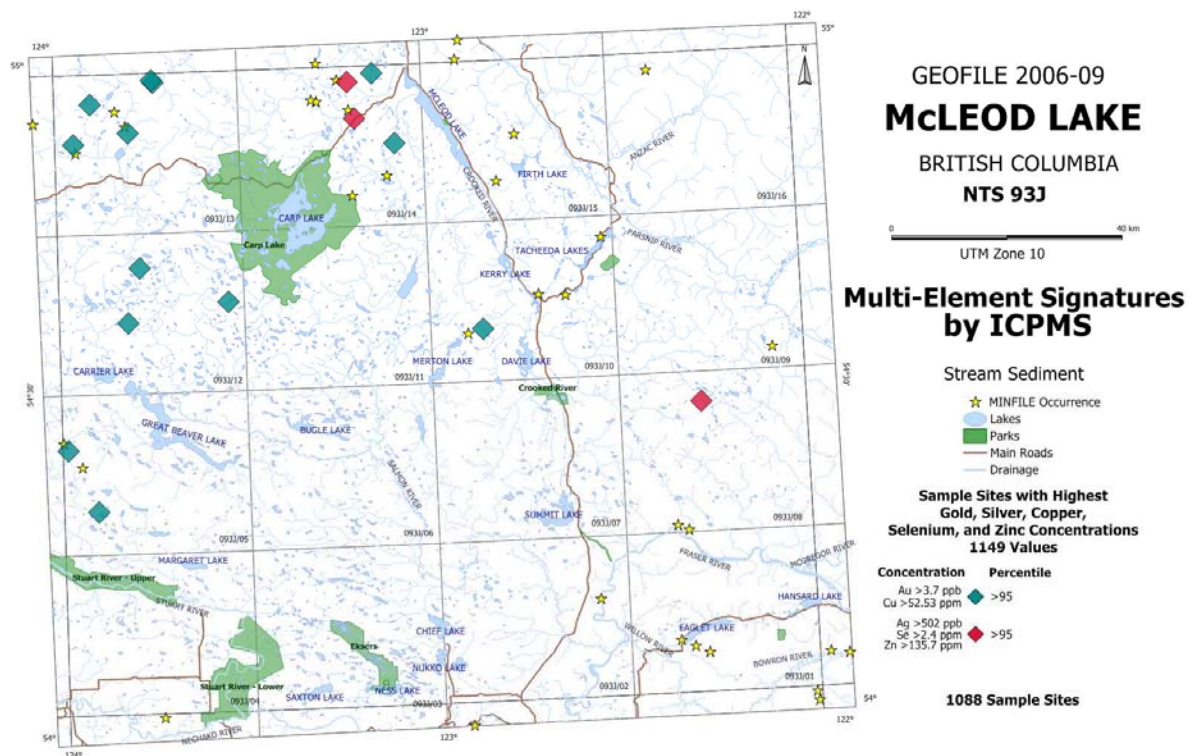


Figure 16. Samples with anomalous Cu-Au and Ag-Se-Zn in stream sediment samples

Silver (Figure 10, Map 3)

Samples with Ag > 1000 ppb form a tight cluster east of Davie Lake in an area underlain by Paleozoic sedimentary rocks including Kechika Group limestone. These sedimentary rocks are known to host Pb-Zn mineralization in other parts of northeast BC. A more open cluster of samples with anomalous Ag (> 847 ppb) extends north from the region around Carp Lake to an area where there are several Au-Ag-Pb prospects such as the Ruby Showing (MINFILE 93J 023). Sediment near the north end of McLeod Lake has the highest Ag value detected (2571 ppb). This anomaly could reflect an expression of ice transported mineralized material from around the Ruby and other occurrences to the north. An isolated Ag sediment anomaly in the northwest corner of the map sheet could be explained by the presence of Cu mineralization in the area.

Mercury (Figure 11, Map 17)

Sediment from a stream close to the Anzac magnesite showing (MINFILE 93J 008) just north of the Anzac River has the highest detected Hg content (4337 ppb). This content may be misleading because the

original value reported was only 183 ppb. Similarly, 3947 ppb Hg was detected in a sample close to Davie Lake, but only 75 ppb was found in the first analysis. Both of the samples have less than 6% LOI. Several trends can be identified by the distribution of Hg values in sediment. For example, a number of anomalous samples (> 555 ppb) extend along a northwest trending belt to south of Carp Lake. Two anomalous samples in the western part of the area are near the Mount Prince North and South showings (MINFILE 93J 10 & 11) and the elevated Hg could reflect an extension of the Pinchi Fault into the area from the west.

Copper (Figure 12, Map 14)

There is one distinct cluster of samples with anomalous Cu in the northwest part of the map sheet and another north of Carp Lake. Both have spatial relationships with Cu and Au mineral showings. For example, the northwest has several Au-Cu prospects with alkaline Au-Cu porphyry characteristics such as the Windy (MINFILE 93J 024), Salmon Lake (MINFILE 93J 005) and the Max (MINFILE 93J 020). Other anomalous sediment samples (>72 ppm Cu) are scattered through an area between Carp, Great Beaver and Davie Lakes. This area is underlain by both the Wolverine Metamorphic Complex and Takla Group

rocks. No mineral occurrences have been reported in this area. Although some of the anomalous Cu samples have high (>30%) LOI values, (Figure 15) there does not appear to be an obvious spatial relationship between sediment Cu and organic matter content.

Selenium (Figure 13, Map 30)

The highest Se value (19.6 ppm) detected is close to the Crooked River north of Davie Lake and the elevated Se may in part be due to the high LOI content (57.2%) of the sediment. A slightly lower value (19 ppm Se) occurs in a sample north of Carp Lake. Again, the extremely high LOI content (89%) could explain the elevated Se. A cluster of samples with lower Se levels (> 8.4 ppm) east of Davie Lake are associated with anomalous Ag and Zn (> 218.7 ppm), but there are no mineral occurrences reported in the area. Elevated Se and Hg is also present in samples from the western part of the map sheet close to the Mount Prince North and South showings.

Zinc (Figure 14, Map 38)

A cluster of sediment samples with anomalous Zn (> 218.7 ppm) with Pb (> 24 ppm) are located east of the Crooked River in an area underlain by Kachika Group and Misinchika Group sedimentary rocks. Other anomalous samples occur north of Carp Lake and around Great Beaver lake. These anomalies are underlain mainly by Takla Group Rocks.

Mineral Deposit Discrimination

Different mineral deposit types can often be identified from the pathfinder element association in stream sediment. However, complete discrimination is often limited by an association of common elements (e.g. Cu, Au) in different deposit types and also their contrasting geochemical mobility (e.g. Zn versus Au) in the surficial environment. Discrimination between two deposit types in the McLeod area has been attempted by identifying the RGS samples with a common enhancement of pathfinder elements above the 95th percentile value. Element associations for the two different deposit types are:

- Se-Ag-Zn for sediment hosted deposits.
- Cu-Au for porphyry Cu-Au deposits.

While there has been no attempt here to critically evaluate all of the multi-element signatures there are 13 Cu-Mo anomalies are listed in Table 4 and the Ag-Zn-Se anomalies are listed in Table 5. The location of these targets is shown on Figure 16 (Map 7). Several of the Cu-Mo targets reflect anomalous drainages close to known mineralization such as near the Mount Price South, Windy, Salmon Lake and the Max. Others targets, such as those between Great Beaver and Carp Lakes, have no known reported mineralization. Only three sites are identified with Se-Ag-Zn. One of these is in the area east of Davie Lake and the other two are northwest of Carp Lake.

TABLE 4.
SEDIMENT SAMPLES ANOMALOUS (> 95 PERCENTILE) IN AU-CU

Sample	LAT	LONG	Mo	Cu	Pb	Zn	Ag	As	Au	Hg	Se
93J851169	54.31739	-123.90759	3.53	57.8	4.84	136.1	275	6.200	16.0	1247	5.90
93J851505	54.41436	-123.98604	1.19	56.0	8.88	86.3	159	7.200	4.8	99	0.40
93J851520	54.61110	-123.81434	1.69	84.2	4.55	68.3	702	7.400	4.9	512	6.00
93J851583	54.87722	-123.07802	2.87	71.9	8.09	123.3	931	10.000	6.3	157	3.90
93J851650	54.58227	-122.85931	1.64	95.9	29.40	130.2	748	11.000	5.7	345	1.30
93J851854	54.98790	-123.13334	0.85	65.2	9.55	71.1	2571	3.000	4.1	342	7.20
93J851980	54.95301	-123.90234	0.19	58.7	2.87	23.7	434	1.400	4.6	267	2.40
93J851991	54.89113	-123.94935	0.81	106.0	9.65	77.2	670	9.200	4.4	138	0.80
93J851994	54.98543	-123.72926	2.36	77.4	9.35	133.8	561	8.200	3.7	96	0.80
93J851996	54.98940	-123.73317	2.07	64.6	9.86	111.8	532	7.400	7.8	86	0.40
93J853013	54.90703	-123.79996	4.71	81.1	5.34	51.7	508	2.400	16.2	195	1.40
93J853029	54.69632	-123.77863	2.25	101.5	3.80	34.4	525	17.200	3.7	353	3.10
93J853050	54.63967	-123.54284	1.14	70.0	4.86	69.0	518	2.100	3.8	530.0	2.50

TABLE 5.
SEDIMENT SAMPLES ANOMALOUS (> 95 PERCENTILE) IN AG-ZN-SE

Sample	LAT	LONG	Cu	Pb	Zn	Ag	As	Au	Cd	Hg	Se
93J851618	54.918310	-123.183550	94.97	9.790	148.0	518	11.6	2.5	1.32	343	7.3
93J851855	54.975620	-123.200950	36.50	11.050	243.9	638	23.0	6.1	2.34	49	3.8
93J851939	54.452470	-122.282710	22.22	7.660	922.8	718	30.7	1.4	8.97	203	4.2

CONCLUSIONS

Reanalysis of archived RGS stream sediment samples from the McLeod lake area by acid digestion - ICP/MS has produced data for additional elements. The new data demonstrate that:

- Some of the existing RGS Cu - Au anomalies in the area are close to existing mineral occurrences especially in the northwest and north parts of the map sheet. However, there are several other anomalies such as those southwest from Carp Lake where there are no reported mineral showings. Much of the area is covered by a till blanket.
- It is possible to distinguish between sediment anomalies that may have been derived from either Cu-Mo porphyry or from Zn-Ag deposits using RGS geochemistry. Although discrimination needs improvement, several new and possibly unstaked targets are identified.
- There are lower detection limits and acceptable precision for ore indicator and pathfinder elements such as Ag and Se. For most elements there is a close comparison between the results produced by acid digestion-ICP/MS and by acid digestion-AAS.

ACKNOWLEDGEMENTS

This project would not have been possible without cooperation from the Dr. Peter Fiske, Head of the Applied Geochemistry Unit, Geological Survey of Canada, Ottawa. Stephen Day, Martin McCurdy and Rick McNeil of the Unit are especially thanked for helping to retrieve the archived sediment samples and inserting quality control standards.

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Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851002	93J15	1985	1002	10	-122.579550	54.839550	527102	6076808	527003	6077018	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851003	93J15	1985	1003	10	-122.645640	54.902070	522822	6083742	522723	6083952	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851004	93J15	1985	1004	10	-122.631540	54.944860	523701	6088509	523602	6088718	TILL	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851005	93J16	1985	1005	10	-122.478450	54.859770	533578	6079102	533479	6079311	SMRK	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Haphazard
93J851006	93J16	1985	1006	10	-122.478450	54.859770	533578	6079102	533479	6079311	SMRK	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Haphazard
93J851007	93J16	1985	1007	10	-122.386730	54.870300	539455	6080323	539356	6080531	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851008	93J15	1985	1008	10	-122.913980	54.844750	505623	6077309	505524	6077519	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851009	93J15	1985	1009	10	-122.909070	54.839840	505939	6076763	505840	6076973	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851010	93J15	1985	1010	10	-122.893910	54.829610	506914	6075626	506815	6075836	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851011	93J15	1985	1011	10	-122.720810	54.941700	517984	6088131	517885	6088340	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851012	93J15	1985	1012	10	-122.717830	54.959890	518166	6090156	518068	6090365	TILL	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851013	93J15	1985	1013	10	-122.695460	54.915000	519621	6085166	519522	6085375	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851014	93J15	1985	1014	10	-122.721860	54.898810	517936	6083358	517837	6083567	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851016	93J15	1985	1016	10	-122.736090	54.890590	517027	6082438	516928	6082648	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851017	93J15	1985	1017	10	-122.792980	54.899550	513375	6083424	513276	6083633	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851018	93J15	1985	1018	10	-122.894140	54.873590	506892	6080520	506793	6080730	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	penepn+plateau	Haphazard
93J851019	93J07	1985	1019	10	-122.825850	54.390990	511407	6026828	511308	6027039	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851020	93J07	1985	1020	10	-122.852300	54.367420	509695	6024201	509596	6024412	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851022	93J07	1985	1022	10	-122.834530	54.366990	510850	6024156	510751	6024367	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851023	93J07	1985	1023	10	-122.853100	54.351450	509647	6022424	509548	6022635	GRNG	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851024	93J07	1985	1024	10	-122.823020	54.339980	511605	6021153	511506	6021364	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851025	93J07	1985	1025	10	-122.877930	54.283660	508046	6014878	507947	6015089	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851026	93J07	1985	1026	10	-122.912220	54.305090	505811	6017259	505712	6017470	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851027	93J07	1985	1027	10	-122.919040	54.305780	505367	6017336	505268	6017547	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851028	93J07	1985	1028	10	-122.892420	54.289260	507102	6015500	507003	6015711	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851029	93J07	1985	1029	10	-122.917510	54.317640	505465	6018656	505366	6018867	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851030	93J07	1985	1030	10	-122.861320	54.276320	509129	6014064	509030	6014275	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851031	93J02	1985	1031	10	-122.631410	54.214150	524137	6007200	524037	6007411	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851032	93J07	1985	1032	10	-122.650050	54.271830	522888	6013612	522789	6013823	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851033	93J07	1985	1033	10	-122.598110	54.457180	526153	6034253	526054	6034464	GRNG	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Dendritic
93J851034	93J03	1985	1034	10	-123.080710	54.225790	494837	6008436	494738	6008647	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851035	93J03	1985	1035	10	-123.064530	54.188540	495888	6004290	495789	6004501	ANDS	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851036	93J03	1985	1036	10	-123.064530	54.188540	495888	6004290	495789	6004501	ANDS	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851037	93J03	1985	1037	10	-123.211610	54.113750	486267	5995987	486167	5996198	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851038	93J03	1985	1038	10	-123.100610	54.096220	493520	5994021	493420	5994232	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851039	93J06	1985	1039	10	-123.087150	54.276160	494424	6014041	494325	6014252	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851043	93J06	1985	1043	10	-123.463440	54.493370	470081	6038304	469982	6038515	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851044	93J06	1985	1044	10	-123.485640	54.465390	468622	6035201	468523	6035412	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851045	93J06	1985	1045	10	-123.432500	54.467060	472067	6035364	471968	6035575	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Rectangular
93J851046	93J06	1985	1046	10	-123.379100	54.490210	475542	6037920	475443	6038131	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851047	93J06	1985	1047	10	-123.333420	54.461750	478486	6034738	478387	6034949	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851048	93J06	1985	1048	10	-123.356020	54.459350	477020	6034479	476921	6034690	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851049	93J06	1985	1049	10	-123.476090	54.312710	469126	6018208	469027	6018419	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851050	93J06	1985	1050	10	-123.465580	54.317370	469813	6018722	469714	6018933	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851051	93J05	1985	1051	10	-123.829400	54.400470	446258	6028187	446157	6028397	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851052	93J05	1985	1052	10	-123.626520	54.368500	459395	6024492	459296	6024703	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851053	93J05	1985	1053	10	-123.509960	54.361810	466962	6023687	466863	6023898	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851054	93J02	1985	1054	10	-122.582740	54.091940	527390	5993620	527291	5993831	SNDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851055	93J02	1985	1055	10	-122.669190	54.080940	521741	5992367	521642	5992578	SNDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851056	93J02	1985	1056	10	-122.728760	54.087720	517841	5993105	517742	5993316	BSLT	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851057	93J02	1985	1057	10	-122.728760	54.087720	517841	5993105	517742	5993316	BSLT	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851058	93J02	1985	1058	10	-122.783850	54.100700	514234	5994536	514134	5994747	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851059	93J02	1985	1059	10	-122.851960	54.056720	509790	5989631	509691	5989842	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851060	93J02	1985	1060	10	-122.932760	54.159230	504490	6001029	504391	6001240	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851062	93J02	1985	1062	10	-122.967860	54.173060	502197	6002566	502098	6002777	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851063	93J12	1985	1063	10	-123.745970	54.517440	451810	6041140	451711	6041351	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851064	93J12	1985	1064	10	-123.827080	54.597210	446664	6050074	446565	6050285	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851065	93J12	1985	1065	10	-123.842790	54.723070	445817	6064091	445718	6064302	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851066	93J12	1985	1066	10	-123.828460	54.616310	446600	6052200	446501	6052411	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851067	93J12	1985	1067	10	-123.739930	54.627800	452330	6053416	452231	6053626	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851068	93J05	1985	1068	10	-123.975240	54.469500	436897	6035988	436796	6036198	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851069	93J01	1985	1069	10	-122.398600	54.187740	539344	6004366	539244	6004577	QZMZ	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851070	93J01	1985	1070	10	-122.417140	54.188750	538133	6004468	538033	6004679	QZMZ	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851071	93J01	1985	1071	10	-122.453430	54.187730	535766	6004336	535666	6004547	QZMZ	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851073	93J01	1985	1073	10	-122.385270	54.144940	540255	5999611	540155	5999822	QZMZ	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851074	93J01	1985	1074	10	-122.370480	54.079010	541286	5992285	541186	5992496	BSLT	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851075	93J02	1985	1075	10	-122.522230	54.111310	531334	5995801	531234	5996012	SNDS	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851076	93J01	1985	1076	10	-122.485760	54.091930	533734	5993661	533634	5993872	SNDS	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851077	93J02	1985	1077	10	-122.579170	54.012330	527676	5984765	527577	5984976	SNDS	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851078	93J01	1985	1078	10	-122.374700	54.008340	541080	5984420	540980	5984631	ANDS	Sed+water	10	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851079	93J01	1985	1079	10	-122.374700	54.008340	541080	5984420	540980	5984631	ANDS	Sed+water	20	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851080	93J01	1985	1080	10	-122.163100	54.114580	554807	5996384	554707	5996594	TILL	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851082	93J01	1985	1082	10	-122.166330	54.018350	554722	5985675	554622	5985885	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851083	93J01	1985	1083	10	-122.217050	54.115040	551280	5996393	551180	5996604	GRNG	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851084	93J01	1985	1084	10	-122.043850	54.134420	562571	5998690	562472	5998900	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851085	93J01	1985	1085	10	-122.073870	54.131020	560616	5998285	560516	5998495	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851086	93J09	1985	1086	10	-122.223660	54.625170	550222	6053149	550123	6053359	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851087	93J09	1985	1087	10	-122.248850	54.601200	548624	6050464	548525	6050674	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851088	93J09	1985	1088	10	-122.204520	54.593940	551497	6049688	551398	6049898	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851089	93J09	1985	1089	10	-122.199870	54.595850	551795	6049904	551696	6050114	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851090	93J09	1985	1090	10	-122.256490	54.520530	548225	6041483	548126	6041693	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851091	93J09	1985	1091	10	-122.380490	54.524860	540195	6041887	540096	6042097	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851092	93J09	1985	1092	10	-122.431840	54.508700	536886	6040061	536787	6040271	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851093	93J10	1985	1093	10	-122.625800	54.519740	524321	6041205	524222	6041415	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851095	93J07	1985	1095	10	-122.588430	54.320160	526870	6019011	526771	6019222	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851096	93J08	1985	1096	10	-122.348630	54.302810	542485	6017199	542386	6017409	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851097	93J08	1985	1097	10	-122.364400	54.298570	541463	6016718	541364	6016928	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851098	93J08	1985	1098	10	-122.364400	54.298570	541463	6016718	541364	6016928	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851099	93J08	1985	1099	10	-122.368590	54.304530	541185	6017378	541086	6017588	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851100	93J08	1985	1100	10	-122.357780	54.308510	541884	6017828	541785	6018038	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851102	93J08	1985	1102	10	-122.296750	54.298170	545866	6016715	545767	6016925	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851103	93J03	1985	1103	10	-123.447580	54.040720	470790	5987934	470690	5988145	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851104	93J03	1985	1104	10	-123.429870	54.002960	471924	5983725	471824	5983936	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851105	93J03	1985	1105	10	-123.328830	54.022700	478557	5985886	478457	5986097	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851106	93J02	1985	1106	10	-122.920280	54.022920	505322	5985864	505223	5986075	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851107	93J02	1985	1107	10	-122.857210	54.013430	509456	5984814	509357	5985025	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851108	93J02	1985	1108	10	-122.890320	54.232830	507248	6009222	507149	6009433	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851109	93J02	1985	1109	10	-122.932560	54.194950	504499	6005003	504400	6005214	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851110	93J03	1985	1110	10	-123.005130	54.186320	499764	6004041	499665	6004252	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851111	93J02	1985	1111	10	-122.921590	54.103190	505226	5994795	505127	5995006	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851112	93J02	1985	1112	10	-122.888770	54.092260	507374	5993581	507275	5993792	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851113	93J02	1985	1113	10	-122.817000	54.054610	512079	5989402	511980	5989613	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851115	93J02	1985	1115	10	-122.775880	54.045510	514774	5988397	514675	5988608	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851116	93J02	1985	1116	10	-122.790330	54.126320	513802	5997386	513702	5997597	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851117	93J02	1985	1117	10	-122.807360	54.134410	512687	5998282	512587	5998493	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851118	93J02	1985	1118	10	-122.786220	54.072860	514088	5991438	513989	5991649	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851119	93J02	1985	1119	10	-122.788630	54.084960	513926	5992784	513827	5992995	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851120	93J02	1985	1120	10	-122.788630	54.084960	513926	5992784	513827	5992995	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851122	93J02	1985	1122	10	-122.733890	54.069600	517513	5991087	517414	5991298	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851123	93J02	1985	1123	10	-122.735420	54.072230	517412	5991379	517313	5991590	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851124	93J02	1985	1124	10	-122.697440	54.025060	519920	5986141	519821	5986352	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851125	93J02	1985	1125	10	-122.744130	54.002760	516870	5983648	516771	5983859	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851126	93J02	1985	1126	10	-122.698740	54.002980	519845	5983684	519746	5983895	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851127	93J02	1985	1127	10	-122.649040	54.038600	523083	5987662	522984	5987873	SNDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851128	93J02	1985	1128	10	-122.558330	54.055040	529012	5989525	528913	5989736	SNDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851129	93J02	1985	1129	10	-122.589950	54.023720	526962	5986028	526863	5986239	SNDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851130	93J10	1985	1130	10	-122.795450	54.669780	513291	6057855	513192	6058065	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851131	93J10	1985	1131	10	-122.810580	54.682930	512311	6059316	512212	6059526	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	mtn+mature	Dendritic
93J851132	93J10	1985	1132	10	-122.814870	54.689160	512033	6060008	511934	6060218	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	mtn+mature	Dendritic
93J851133	93J10	1985	1133	10	-122.787520	54.653790	513808	6056077	513709	6056287	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	mtn+mature	Haphazard
93J851134	93J15	1985	1134	10	-122.977820	54.907610	501520	6084301	501422	6084511	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851135	93J15	1985	1135	10	-122.924000	54.853720	504978	6078306	504879	6078516	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851136	93J15	1985	1136	10	-122.924000	54.853720	504978	6078306	504879	6078516	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851138	93J15	1985	1138	10	-122.948920	54.892250	503375	6082592	503276	6082802	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851139	93J15	1985	1139	10	-122.930920	54.872840	504532	6080433	504433	6080643	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851140	93J14	1985	1140	10	-123.009340	54.973200	499500	6091600	499402	6091809	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851142	93J14	1985	1142	10	-123.327410	54.820520	479062	6074659	478963	6074869	GRNG	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851143	93J14	1985	1143	10	-123.311930	54.777200	480035	6069834	479936	6070044	GRNG	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851144	93J14	1985	1144	10	-123.375360	54.799070	475968	6072287	475869	6072497	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851145	93J14	1985	1145	10	-123.398620	54.825350	474489	6075220	474390	6075430	QZMZ	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851146	93J14	1985	1146	10	-123.402660	54.822370	474228	6074890	474129	6075100	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851147	93J09	1985	1147	10	-122.098110	54.596930	558368	6050103	558269	6050313	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851148	93J09	1985	1148	10	-122.151450	54.648910	554852	6055844	554753	6056054	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851149	93J09	1985	1149	10	-122.219060	54.676030	550456	6058811	550357	6059021	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851151	93J09	1985	1151	10	-122.178740	54.646360	553094	6055540	552995	6055750	TILL	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851152	93J09	1985	1152	10	-122.178740	54.646360	553094	6055540	552995	6055750	TILL	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851153	93J09	1985	1153	10	-122.239160	54.692240	549140	6060601	549041	6060811	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851154	93J09	1985	1154	10	-122.247110	54.688710	548632	6060202	548533	6060412	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851155	93J04	1985	1155	10	-123.912560	54.081830	440400	5992800	440300	5993011	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851156	93J04	1985	1156	10	-123.804360	54.119200	447526	5996873	447426	5997083	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851157	93J04	1985	1157	10	-123.855080	54.121480	444215	5997167	444114	5997376	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851158	93J04	1985	1158	10	-123.848090	54.139100	444695	5999122	444594	5999331	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851159	93J04	1985	1159	10	-123.622370	54.229530	459528	6009028	459429	6009239	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851160	93J04	1985	1160	10	-123.635230	54.221940	458683	6008191	458583	6008402	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851162	93J04	1985	1162	10	-123.651590	54.222660	457617	6008280	457517	6008491	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851164	93J05	1985	1164	10	-123.725520	54.283830	452867	6015133	452767	6015344	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851165	93J05	1985	1165	10	-123.719330	54.280600	453266	6014770	453166	6014981	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851166	93J05	1985	1166	10	-123.747020	54.275020	451457	6014169	451357	6014379	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851167	93J05	1985	1167	10	-123.868100	54.261800	443556	6012789	443455	6012998	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851168	93J05	1985	1168	10	-123.888130	54.307940	442316	6017938	442215	6018148	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851169	93J05	1985	1169	10	-123.907590	54.317390	441063	6019005	440962	6019215	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851170	93J05	1985	1170	10	-123.882720	54.338280	442710	6021309	442609	6021519	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851171	93J05	1985	1171	10	-123.931180	54.438620	439707	6032514	439606	6032724	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851172	93J05	1985	1172	10	-123.927580	54.435170	439935	6032127	439834	6032337	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851173	93J05	1985	1173	10	-123.877830	54.485440	443232	6037679	443131	6037889	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851174	93J05	1985	1174	10	-123.847880	54.435440	445105	6032092	445004	6032302	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851175	93J05	1985	1175	10	-123.671670	54.355090	456448	6023027	456348	6023238	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851176	93J05	1985	1176	10	-123.692490	54.357540	455098	6023313	454998	6023524	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851177	93J05	1985	1177	10	-123.817490	54.317370	446924	6018932	446823	6019142	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851178	93J05	1985	1178	10	-123.827100	54.326950	446311	6020005	446210	6020215	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851179	93J10	1985	1179	10	-122.712690	54.681560	518623	6059185	518524	6059395	LMSN	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851180	93J10	1985	1180	10	-122.712690	54.681560	518623	6059185	518524	6059395	LMSN	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851182	93J04	1985	1182	10	-123.756590	54.092170	450616	5993831	450516	5994041	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851183	93J15	1985	1183	10	-122.848650	54.754310	509840	6067252	509741	6067462	BSLT	Sed+water	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851184	93J15	1985	1184	10	-122.867710	54.792730	508605	6071525	508506	6071735	BSLT	Sed+water	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851185	93J15	1985	1185	10	-122.896050	54.772110	506786	6069228	506687	6069438	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851186	93J15	1985	1186	10	-122.942180	54.757330	503820	6067579	503721	6067789	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851187	93J10	1985	1187	10	-122.930910	54.743860	504547	6066081	504448	6066291	BSLT	Sed only	00	Unknown	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851188	93J15	1985	1188	10	-122.973350	54.751310	501814	6066908	501715	6067118	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851189	93J10	1985	1189	10	-122.992980	54.721130	500551	6063550	500452	6063760	ANDS	Sed+water	00	3	Primary	Intermittant	Hilly-undulating	Dendritic
93J851190	93J11	1985	1190	10	-123.032590	54.680980	497998	6059083	497899	6059293	ANDS	Sed+water	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851192	93J11	1985	1192	10	-123.132340	54.688880	491568	6059969	491469	6060179	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851193	93J11	1985	1193	10	-123.160500	54.710020	489758	6062325	489659	6062535	GRNG	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851194	93J11	1985	1194	10	-123.160500	54.710020	489758	6062325	489659	6062535	GRNG	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851195	93J14	1985	1195	10	-123.148690	54.773410	490534	6069377	490435	6069587	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851196	93J11	1985	1196	10	-123.146130	54.740950	490691	6065765	490592	6065975	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851197	93J14	1985	1197	10	-123.099780	54.782170	493682	6070347	493583	6070557	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851198	93J14	1985	1198	10	-123.070540	54.806030	495565	6072999	495466	6073209	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851199	93J14	1985	1199	10	-123.162930	54.846980	489637	6077566	489538	6077776	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851200	93J14	1985	1200	10	-123.110170	54.864820	493028	6079545	492929	6079755	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851202	93J10	1985	1202	10	-122.526350	54.725870	530604	6064180	530505	6064390	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851203	93J10	1985	1203	10	-122.568220	54.696940	527927	6060944	527828	6061154	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851204	93J10	1985	1204	10	-122.541980	54.714870	529605	6062949	529506	6063159	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851205	93J16	1985	1205	10	-122.089260	54.771700	558687	6069559	558588	6069767	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851206	93J16	1985	1206	10	-122.035400	54.776170	562145	6070103	562046	6070311	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851207	93J16	1985	1207	10	-122.056800	54.768700	560780	6069253	560681	6069461	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851208	93J16	1985	1208	10	-122.083060	54.752260	559114	6067400	559015	6067609	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851209	93J16	1985	1209	10	-122.159000	54.759000	554218	6068089	554119	6068298	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851210	93J09	1985	1210	10	-122.223530	54.734930	550095	6065362	549996	6065572	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851212	93J09	1985	1212	10	-122.267830	54.718330	547262	6063484	547163	6063694	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851213	93J09	1985	1213	10	-122.302190	54.718660	545048	6063498	544949	6063708	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851214	93J09	1985	1214	10	-122.337710	54.716020	542763	6063182	542664	6063392	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851215	93J09	1985	1215	10	-122.410750	54.728800	538046	6064563	537947	6064773	TILL	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851216	93J09	1985	1216	10	-122.410750	54.728800	538046	6064563	537947	6064773	TILL	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851217	93J09	1985	1217	10	-122.426800	54.740470	537002	6065852	536903	6066062	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J851218	93J09	1985	1218	10	-122.350930	54.663900	541965	6057375	541866	6057585	TILL	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851219	93J09	1985	1219	10	-122.375200	54.660780	540403	6057014	540304	6057224	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851220	93J09	1985	1220	10	-122.342410	54.637890	542542	6054486	542443	6054696	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851222	93J09	1985	1222	10	-122.333950	54.637840	543088	6054486	542989	6054696	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851223	93J10	1985	1223	10	-122.660630	54.649530	521997	6055635	521898	6055845	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851224	93J10	1985	1224	10	-122.648630	54.658330	522766	6056618	522667	6056828	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851225	93J10	1985	1225	10	-122.634290	54.703970	523665	6061702	523566	6061912	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851226	93J10	1985	1226	10	-122.614450	54.722270	524932	6063745	524833	6063955	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851227	93J10	1985	1227	10	-122.614510	54.717770	524931	6063244	524832	6063454	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851229	93J15	1985	1229	10	-122.619080	54.753890	524615	6067262	524516	6067472	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851230	93J15	1985	1230	10	-122.589720	54.766860	526496	6068715	526397	6068925	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851231	93J15	1985	1231	10	-122.523110	54.756940	530789	6067639	530690	6067849	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851232	93J15	1985	1232	10	-122.545720	54.788640	529311	6071157	529212	6071367	TILL	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851233	93J15	1985	1233	10	-122.561950	54.804970	528256	6072967	528157	6073177	TILL	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851234	93J16	1985	1234	10	-122.463770	54.756790	534608	6067650	534509	6067860	TILL	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851235	93J16	1985	1235	10	-122.463770	54.756790	534608	6067650	534509	6067860	TILL	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851236	93J16	1985	1236	10	-122.489930	54.797980	532891	6072221	532792	6072431	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851237	93J16	1985	1237	10	-122.476110	54.863460	533725	6079514	533626	6079723	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851238	93J15	1985	1238	10	-122.695560	54.959900	519593	6090162	519494	6090371	TILL	Sed+water	00	Groundwater	Quaternary	Intermittant	Muskeg+swampland	Haphazard
93J851239	93J15	1985	1239	10	-122.690810	54.967680	519893	6091031	519794	6091239	TILL	Sed+water	00	Groundwater	Quaternary	Intermittant	Muskeg+swampland	Haphazard
93J851240	93J15	1985	1240	10	-122.733190	54.988560	517170	6093343	517072	6093551	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851242	93J15	1985	1242	10	-122.607470	54.907930	525266	6084407	525167	6084617	TILL	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851243	93J10	1985	1243	10	-122.698490	54.629840	519563	6053433	519464	6053643	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851244	93J10	1985	1244	10	-122.687420	54.601910	520292	6050329	520193	6050539	LMSN	Sed+water	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851245	93J10	1985	1245	10	-122.674770	54.574260	521123	6047256	521024	6047466	LMSN	Sed+water	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851246	93J10	1985	1246	10	-122.565000	54.550030	528236	6044598	528137	6044808	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Muskeg+swampland	Haphazard
93J851247	93J10	1985	1247	10	-122.586390	54.527580	526867	6042092	526768	6042302	LMSN	Sed+water	00	Unknown	Tertiary	Permanent+continuous	Muskeg+swampland	Haphazard
93J851248	93J10	1985	1248	10	-122.542460	54.529290	529709	6042300	529610	6042510	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851249	93J10	1985	1249	10	-122.562270	54.604160	528375	6050622	528276	6050832	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851250	93J10	1985	1250	10	-122.646560	54.561110	522954	6045801	522855	6046011	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851251	93J10	1985	1251	10	-122.602510	54.509670	525835	6040093	525736	6040303	LMSN	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851252	93J07	1985	1252	10	-122.597660	54.396140	526221	6027461	526122	6027672	GRNG	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851254	93J07	1985	1254	10	-122.638930	54.473130	523498	6036013	523399	6036224	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	Haphazard
93J851255	93J07	1985	1255	10	-122.528220	54.458440	530683	6034422	530584	6034632	LMSN	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851256	93J07	1985	1256	10	-122.742680	54.483920	516770	6037185	516671	6037396	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851257	93J07	1985	1257	10	-122.685690	54.413370	520497	6029349	520398	6029560	BSLT	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851258	93J07	1985	1258	10	-122.685690	54.413370	520497	6029349	520398	6029560	BSLT	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851259	93J07	1985	1259	10	-122.697970	54.391150	519711	6026874	519612	6027085	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851260	93J07	1985	1260	10	-122.724600	54.394990	517980	6027294	517881	6027505	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851262	93J07	1985	1262	10	-122.779490	54.374470	514423	6024998	514324	6025209	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851263	93J07	1985	1263	10	-122.685340	54.445720	520504	6032949	520405	6033160	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851264	93J07	1985	1264	10	-122.692360	54.446820	520048	6033069	519949	6033280	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851265	93J07	1985	1265	10	-122.770720	54.480110	514955	6036754	514856	6036965	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851266	93J07	1985	1266	10	-122.800770	54.457860	513015	6034273	512916	6034484	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851267	93J11	1985	1267	10	-123.272000	54.596000	482525	6049659	482426	6049870	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851268	93J11	1985	1268	10	-123.174070	54.562320	488843	6045891	488744	6046102	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851269	93J11	1985	1269	10	-123.191270	54.665890	487762	6057420	487663	6057630		Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851270	93J15	1985	1270	10	-122.718970	54.768920	518179	6068904	518080	6069114	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851271	93J15	1985	1271	10	-122.716550	54.764810	518337	6068447	518238	6068657	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851272	93J15	1985	1272	10	-122.667070	54.753830	521526	6067239	521427	6067449	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851273	93J07	1985	1273	10	-122.603360	54.356330	525876	6023030	525777	6023241	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851274	93J07	1985	1274	10	-122.562710	54.351790	528521	6022540	528422	6022751	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851275	93J08	1985	1275	10	-122.484320	54.370840	533600	6024695	533501	6024905	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851277	93J08	1985	1277	10	-122.411420	54.341100	538364	6021423	538265	6021633	LMSN	Sed+water	10	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851278	93J08	1985	1278	10	-122.411420	54.341100	538364	6021423	538265	6021633	LMSN	Sed+water	20	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851279	93J08	1985	1279	10	-122.388560	54.331500	539859	6020368	539760	6020578	LMSN	Sed+water	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851280	93J08	1985	1280	10	-122.450340	54.370790	535808	6024706	535709	6024916	GRNG	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851282	93J08	1985	1282	10	-122.357550	54.371780	541835	6024868	541736	6025078	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851283	93J08	1985	1283	10	-122.424330	54.367070	537501	6024306	537402	6024516	LMSN	Sed only	00	Unknown	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851284	93J08	1985	1284	10	-122.406700	54.386370	538628	6026463	538529	6026673	LMSN	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851285	93J08	1985	1285	10	-122.136800	54.253940	556336	6011910	556237	6012120	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851286	93J08	1985	1286	10	-122.145890	54.256520	555740	6012189	555641	6012399	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851287	93J08	1985	1287	10	-122.097110	54.294480	558864	6016453	558765	6016663	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851288	93J08	1985	1288	10	-122.068640	54.283250	560733	6015227	560634	6015437	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851289	93J08	1985	1289	10	-122.045010	54.274320	562285	6014255	562186	6014464	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851290	93J06	1985	1290	10	-123.040540	54.412530	497468	6029211	497369	6029422	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851291	93J06	1985	1291	10	-123.046950	54.429020	497053	6031046	496954	6031257	ANDS	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851292	93J06	1985	1292	10	-123.361960	54.489290	476652	6037812	476553	6038023	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851294	93J06	1985	1294	10	-123.214370	54.485190	486211	6037317	486112	6037528	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851295	93J06	1985	1295	10	-123.232490	54.487050	485038	6037527	484939	6037738	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851296	93J06	1985	1296	10	-123.193850	54.448890	487529	6033273	487430	6033484	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851297	93J06	1985	1297	10	-123.404300	54.340270	473814	6021246	473715	6021457	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851298	93J06	1985	1298	10	-123.398280	54.316270	474190	6018573	474091	6018784	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851299	93J03	1985	1299	10	-123.203820	54.238300	486815	6009844	486716	6010055	ANDS	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851300	93J03	1985	1300	10	-123.203820	54.238300	486815	6009844	486716	6010055	ANDS	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851302	93J03	1985	1302	10	-123.302450	54.245260	480390	6010641	480291	6010852	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851303	93J03	1985	1303	10	-123.307500	54.243080	480060	6010400	479961	6010611	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851304	93J01	1985	1304	10	-122.190850	54.178110	552912	6003431	552812	6003641	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851305	93J01	1985	1305	10	-122.238620	54.172000	549802	6002716	549702	6002926	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851306	93J01	1985	1306	10	-122.110490	54.180820	558153	6003796	558053	6004006	LMSN	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851307	93J01	1985	1307	10	-122.110490	54.180820	558153	6003796	558053	6004006	LMSN	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851308	93J01	1985	1308	10	-122.305450	54.187440	545422	6004388	545322	6004599	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851309	93J06	1985	1309	10	-123.047890	54.450010	496994	6033382	496895	6033593	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851310	93J06	1985	1310	10	-123.040150	54.452570	497496	6033667	497397	6033878	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851312	93J06	1985	1312	10	-123.054050	54.445610	496594	6032893	496495	6033104	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851313	93J07	1985	1313	10	-122.978750	54.269430	501483	6013288	501384	6013499	ANDS	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851314	93J03	1985	1314	10	-123.034350	54.238290	497860	6009824	497761	6010035	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851315	93J01	1985	1315	10	-122.470830	54.186910	534631	6004236	534531	6004447	QZMZ	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851316	93J01	1985	1316	10	-122.465510	54.186370	534979	6004178	534879	6004389	QZMZ	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851317	93J01	1985	1317	10	-122.453580	54.131660	535804	5998097	535704	5998308	BSLT	Sed+water	00	Groundwater	Quaternary	Undefined	Hilly-undulating	Dendritic
93J851318	93J01	1985	1318	10	-122.329020	54.141590	543933	5999272	543833	5999483	QZMZ	Sed+water	00	Unknown	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851319	93J01	1985	1319	10	-122.079980	54.017350	560381	5985634	560281	5985844	QZMZ	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851320	93J01	1985	1320	10	-122.057020	54.029260	561868	5986979	561768	5987189	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851322	93J01	1985	1322	10	-122.032710	54.043780	563438	5988616	563338	5988826	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851323	93J01	1985	1323	10	-122.002710	54.038900	565410	5988100	565310	5988310	TILL	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851324	93J01	1985	1324	10	-122.486550	54.109220	533668	5995584	533568	5995795	SNDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851325	93J01	1985	1325	10	-122.488750	54.112420	533522	5995940	533422	5996151	SNDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851326	93J11	1985	1326	10	-123.301670	54.599140	480610	6050016	480511	6050227	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851327	93J11	1985	1327	10	-123.354600	54.601070	477191	6050247	477092	6050458	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851328	93J08	1985	1328	10	-122.491270	54.339380	533174	6021191	533075	6021402	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851329	93J08	1985	1329	10	-122.331100	54.371290	543554	6024829	543455	6025039	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851330	93J08	1985	1330	10	-122.409370	54.352160	538487	6022655	538388	6022865	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851331	93J07	1985	1331	10	-122.641000	54.327540	523446	6019813	523347	6020024	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851332	93J01	1985	1332	10	-122.147180	54.239650	555679	6010311	555580	6010521	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851334	93J08	1985	1334	10	-122.186190	54.282320	553082	6015029	552983	6015239	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851335	93J08	1985	1335	10	-122.088510	54.279990	559444	6014847	559345	6015057	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851336	93J01	1985	1336	10	-122.224810	54.241960	550617	6010510	550518	6010720	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851337	93J01	1985	1337	10	-122.224810	54.241960	550617	6010510	550518	6010720	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851338	93J10	1985	1338	10	-122.697310	54.532170	519686	6042566	519587	6042776	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851339	93J10	1985	1339	10	-122.643310	54.539020	523177	6043345	523078	6043555	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851340	93J10	1985	1340	10	-122.774860	54.532590	514668	6042594	514569	6042804	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851342	93J10	1985	1342	10	-122.808080	54.640770	512485	6054625	512386	6054835	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851343	93J10	1985	1343	10	-122.797920	54.621130	513147	6052441	513048	6052651	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851344	93J02	1985	1344	10	-122.942110	54.193010	503876	6004787	503777	6004998	MSDM	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851345	93J02	1985	1345	10	-122.943770	54.210750	503766	6006761	503667	6006972	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851346	93J02	1985	1346	10	-122.907780	54.229090	506111	6008804	506012	6009015	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851347	93J14	1985	1347	10	-123.266350	54.775080	482966	6069585	482867	6069795	MSDM	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851348	93J14	1985	1348	10	-123.248330	54.787770	484130	6070993	484031	6071203	MSDM	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851349	93J11	1985	1349	10	-123.281010	54.735680	482005	6065205	481906	6065415	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851350	93J11	1985	1350	10	-123.312580	54.723010	479966	6063804	479867	6064014	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851351	93J14	1985	1351	10	-123.429940	54.771180	472440	6069204	472341	6069414	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851352	93J14	1985	1352	10	-123.423030	54.793640	472900	6071700	472801	6071910	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851353	93J07	1985	1353	10	-122.987740	54.441720	500894	6032459	500795	6032670	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851354	93J06	1985	1354	10	-123.037020	54.489370	497701	6037761	497602	6037972	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851355	93J07	1985	1355	10	-122.948210	54.466800	503456	6035250	503357	6035461	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851357	93J06	1985	1357	10	-123.084620	54.485540	494617	6037338	494518	6037549	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851358	93J10	1985	1358	10	-122.885230	54.657380	507503	6056462	507404	6056672	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851359	93J07	1985	1359	10	-122.804410	54.408240	512794	6028751	512695	6028962	GRNG	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851360	93J07	1985	1360	10	-122.804410	54.408240	512794	6028751	512695	6028962	GRNG	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851362	93J07	1985	1362	10	-122.534170	54.289200	530422	6015588	530323	6015799	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851363	93J07	1985	1363	10	-122.539150	54.294180	530094	6016140	529995	6016351	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851364	93J07	1985	1364	10	-122.533710	54.261470	530473	6012503	530373	6012714	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851365	93J07	1985	1365	10	-122.822860	54.335480	511617	6020652	511518	6020863	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851366	93J08	1985	1366	10	-122.285490	54.258910	546643	6012354	546544	6012564	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851367	93J08	1985	1367	10	-122.271550	54.296530	547508	6016549	547409	6016759	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851368	93J08	1985	1368	10	-122.136170	54.303570	556309	6017432	556210	6017642	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851369	93J04	1985	1369	10	-123.979360	54.008260	435917	5984673	435817	5984884	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851370	93J04	1985	1370	10	-123.940930	54.023620	438458	5986348	438358	5986559	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851371	93J04	1985	1371	10	-123.839210	54.009320	445103	5984674	445003	5984885	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851373	93J04	1985	1373	10	-123.846310	54.011910	444641	5984967	444541	5985178	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851374	93J04	1985	1374	10	-123.846310	54.011910	444641	5984967	444541	5985178	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851375	93J04	1985	1375	10	-123.808280	54.019000	447142	5985727	447042	5985938	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851376	93J04	1985	1376	10	-123.873790	54.015940	442846	5985437	442746	5985648	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851377	93J04	1985	1377	10	-123.993630	54.062800	435067	5990755	434967	5990966	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851378	93J04	1985	1378	10	-123.978950	54.060180	436024	5990450	435924	5990661	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851379	93J04	1985	1379	10	-123.898020	54.055080	441314	5989812	441214	5990023	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851380	93J04	1985	1380	10	-123.827390	54.061770	445946	5990501	445846	5990711	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851382	93J04	1985	1382	10	-123.790130	54.059610	448382	5990233	448282	5990443	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851383	93J04	1985	1383	10	-123.739060	54.059810	451725	5990218	451625	5990429	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851384	93J04	1985	1384	10	-123.721480	54.056430	452872	5989830	452772	5990041	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851386	93J04	1985	1386	10	-123.633540	54.027900	458600	5986600	458500	5986811	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851387	93J04	1985	1387	10	-123.630490	54.107920	458879	5995502	458779	5995713	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851388	93J04	1985	1388	10	-123.603140	54.117240	460676	5996523	460576	5996734	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851389	93J04	1985	1389	10	-123.644030	54.121380	458007	5997007	457907	5997218	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851390	93J04	1985	1390	10	-123.642640	54.118070	458095	5996638	457995	5996849	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851391	93J04	1985	1391	10	-123.695070	54.133890	454685	5998431	454585	5998642	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851392	93J04	1985	1392	10	-123.731490	54.162140	452338	6001599	452238	6001809	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851393	93J04	1985	1393	10	-123.983060	54.172240	435929	6002923	435828	6003132	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851394	93J04	1985	1394	10	-123.907430	54.155470	440842	6000991	440741	6001200	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851395	93J04	1985	1395	10	-123.899780	54.156370	441343	6001085	441242	6001294	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851396	93J04	1985	1396	10	-123.764520	54.018590	450009	5985649	449909	5985860	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851397	93J04	1985	1397	10	-123.986300	54.030690	435497	5987175	435397	5987386	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851398	93J05	1985	1398	10	-123.666670	54.493800	456918	6038458	456819	6038669	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851399	93J10	1985	1399	10	-122.739720	54.685400	516879	6059605	516780	6059815	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851400	93J10	1985	1400	10	-122.739720	54.685400	516879	6059605	516780	6059815	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851402	93J10	1985	1402	10	-122.562810	54.601020	528342	6050273	528243	6050483	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851403	93J10	1985	1403	10	-122.532030	54.695150	530261	6060759	530162	6060969	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851404	93J09	1985	1404	10	-122.005880	54.530220	564430	6042761	564332	6042971	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851405	93J09	1985	1405	10	-122.037350	54.544980	562372	6044375	562273	6044585	TILL	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851406	93J09	1985	1406	10	-122.037350	54.544980	562372	6044375	562273	6044585	TILL	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851407	93J09	1985	1407	10	-122.064780	54.560950	560574	6046128	560475	6046338	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851409	93J09	1985	1409	10	-122.149880	54.559950	555073	6045947	554974	6046157	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851410	93J09	1985	1410	10	-122.161410	54.529060	554368	6042501	554269	6042711	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851411	93J09	1985	1411	10	-122.162630	54.518620	554303	6041339	554204	6041549	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851412	93J09	1985	1412	10	-122.189980	54.510380	552543	6040401	552444	6040611	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851413	93J09	1985	1413	10	-122.243560	54.524670	549057	6041952	548958	6042162	LMSN	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851414	93J09	1985	1414	10	-122.304140	54.534290	545126	6042982	545027	6043192	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851415	93J09	1985	1415	10	-122.371030	54.533200	540799	6042820	540700	6043030	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851416	93J13	1985	1416	10	-122.886640	54.826260	443138	6075607	443039	6075818	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851417	93J13	1985	1417	10	-123.715220	54.854990	454183	6078679	454084	6078889	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851418	93J14	1985	1418	10	-123.497190	54.827140	468158	6075459	468059	6075669	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851419	93J14	1985	1419	10	-123.239980	54.758860	484656	6067775	484557	6067985	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851420	93J14	1985	1420	10	-123.239050	54.780710	484724	6070206	484625	6070416	MSDM	Sed+water	00	Groundwater	Quaternary	Intermittant	Muskeg+swampland	Dendritic
93J851422	93J14	1985	1422	10	-123.226550	54.797680	485534	6072091	485435	6072301	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851423	93J14	1985	1423	10	-123.211890	54.819660	486484	6074534	486385	6074744	MSDM	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	discontin shield
93J851424	93J14	1985	1424	10	-123.213790	54.828100	486365	6075474	486266	6075684	MSDM	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851425	93J14	1985	1425	10	-123.131920	54.822710	491623	6074861	491524	6075071	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851427	93J14	1985	1427	10	-123.108320	54.819880	493139	6074543	493040	6074753	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	discontin shield
93J851428	93J14	1985	1428	10	-123.093400	54.823810	494098	6074980	493999	6075190	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851429	93J15	1985	1429	10	-122.990170	54.811720	500731	6073630	500632	6073840	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851430	93J15	1985	1430	10	-122.976240	54.814120	501626	6073897	501527	6074107	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851431	93J10	1985	1431	10	-122.914830	54.727920	505584	6064309	505485	6064519	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851432	93J10	1985	1432	10	-122.920370	54.723650	505228	6063833	505129	6064043	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851433	93J10	1985	1433	10	-122.926010	54.720000	504865	6063427	504766	6063637	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851434	93J10	1985	1434	10	-122.926010	54.720000	504865	6063427	504766	6063637	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851435	93J15	1985	1435	10	-122.871900	54.902600	508313	6083751	508214	6083960	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851436	93J15	1985	1436	10	-122.945700	54.960800	503575	6090222	503477	6090431	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851437	93J15	1985	1437	10	-122.962440	54.960700	502503	6090210	502405	6090419	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851438	93J15	1985	1438	10	-122.905040	54.950720	506180	6089103	506082	6089312	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851439	93J15	1985	1439	10	-122.826290	54.938230	511227	6087723	511129	6087932	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851440	93J15	1985	1440	10	-122.843660	54.959650	510109	6090104	510011	6090313	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851442	93J15	1985	1442	10	-122.943020	54.922860	503750	6086000	503652	6086209	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851443	93J15	1985	1443	10	-122.922730	54.907280	505053	6084267	504954	6084476	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851444	93J07	1985	1444	10	-122.842140	54.448980	510335	6033278	510236	6033489	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851445	93J07	1985	1445	10	-122.806540	54.445900	512644	6032941	512545	6033152	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851446	93J07	1985	1446	10	-122.780050	54.466380	514355	6035225	514256	6035436	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851447	93J07	1985	1447	10	-122.727450	54.459410	517767	6034461	517668	6034672	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851448	93J07	1985	1448	10	-122.648330	54.407210	522925	6028675	522826	6028886	BSLT	Sed+water	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851449	93J07	1985	1449	10	-122.652620	54.375550	522664	6025152	522565	6025363	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851450	93J07	1985	1450	10	-122.666510	54.355970	521772	6022969	521673	6023180	BSLT	Sed+water	00	Groundwater	Quaternary	Undefined	Hilly-undulating	Dendritic
93J851451	93J07	1985	1451	10	-122.672120	54.318000	521427	6018742	521328	6018953	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851452	93J07	1985	1452	10	-122.709540	54.331680	518987	6020254	518888	6020465	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851453	93J07	1985	1453	10	-122.739150	54.325150	517064	6019519	516965	6019730	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851454	93J01	1985	1454	10	-122.039910	54.202400	562726	6006257	562627	6006467	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Haphazard
93J851456	93J01	1985	1456	10	-122.342970	54.248580	542911	6011169	542811	6011379	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851457	93J08	1985	1457	10	-122.363370	54.260280	541569	6012458	541470	6012668	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851458	93J08	1985	1458	10	-122.385010	54.259320	540160	6012338	540061	6012549	GRNG	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851459	93J01	1985	1459	10	-122.420880	54.247760	537835	6011032	537735	6011243	GRNG	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851460	93J01	1985	1460	10	-122.420880	54.247760	537835	6011032	537735	6011243	GRNG	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851462	93J07	1985	1462	10	-122.759690	54.299470	515738	6016657	515639	6016868	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851463	93J07	1985	1463	10	-122.773300	54.292470	514855	6015876	514756	6016087	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851464	93J02	1985	1464	10	-122.587980	54.151070	527010	6000197	526910	6000408	SNDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851465	93J07	1985	1465	10	-122.771030	54.251860	515017	6011357	514918	6011568	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851466	93J02	1985	1466	10	-122.768530	54.238900	515185	6009916	515086	6010127	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851467	93J02	1985	1467	10	-122.706100	54.225440	519261	6008434	519161	6008645	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851468	93J01	1985	1468	10	-122.041780	54.227400	562566	6009037	562467	6009247	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851469	93J01	1985	1469	10	-122.080100	54.224640	560072	6008696	559973	6008906	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851470	93J01	1985	1470	10	-122.186140	54.217790	553169	6007849	553069	6008059	LMSN	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851471	93J01	1985	1471	10	-122.186140	54.217790	553169	6007849	553069	6008059	LMSN	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851472	93J01	1985	1472	10	-122.240600	54.210060	549627	6006950	549527	6007160	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851473	93J08	1985	1473	10	-122.453690	54.281700	535667	6014791	535568	6015002	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851475	93J08	1985	1475	10	-122.470150	54.288340	534590	6015522	534491	6015733	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851476	93J08	1985	1476	10	-122.458430	54.307060	535337	6017610	535238	6017821	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851477	93J08	1985	1477	10	-122.430600	54.264300	537186	6012867	537087	6013078	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851478	93J08	1985	1478	10	-122.479230	54.257750	534025	6012114	533925	6012325	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851479	93J01	1985	1479	10	-122.499810	54.236670	532701	6009759	532601	6009970	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851480	93J10	1985	1480	10	-122.582350	54.600540	527080	6050211	526981	6050421	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851482	93J10	1985	1482	10	-122.588080	54.583840	526721	6048351	526622	6048561	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851483	93J06	1985	1483	10	-123.312360	54.360530	479801	6023470	479702	6023681	ANDS	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851484	93J06	1985	1484	10	-123.404360	54.367030	473827	6024223	473728	6024434	ANDS	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851485	93J06	1985	1485	10	-123.442740	54.365930	471333	6024116	471234	6024327	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851486	93J06	1985	1486	10	-123.443550	54.411120	471312	6029144	471213	6029355	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851487	93J06	1985	1487	10	-123.395820	54.439500	474427	6032284	474328	6032495	ANDS	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851488	93J06	1985	1488	10	-123.262300	54.433940	483085	6031625	482986	6031836	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851489	93J06	1985	1489	10	-123.296850	54.443630	480848	6032712	480749	6032923	ANDS	Sed only	00	Unknown	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851491	93J06	1985	1491	10	-123.293760	54.424810	481040	6030617	480941	6030828	ANDS	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851492	93J06	1985	1492	10	-123.251480	54.413140	483778	6029308	483679	6029519	ANDS	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851493	93J06	1985	1493	10	-123.183340	54.405080	488198	6028397	488099	6028608	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851494	93J06	1985	1494	10	-123.411500	54.337340	473344	6020922	473245	6021133	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851495	93J06	1985	1495	10	-123.190080	54.302050	487730	6016934	487631	6017145	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851496	93J06	1985	1496	10	-123.099860	54.330300	493605	6020066	493506	6020277	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851497	93J05	1985	1497	10	-123.761830	54.403410	450648	6028464	450547	6028674	ANDS	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851498	93J05	1985	1498	10	-123.761830	54.403410	450648	6028464	450547	6028674	ANDS	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851499	93J05	1985	1499	10	-123.936840	54.346790	439204	6022301	439103	6022511	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851500	93J05	1985	1500	10	-123.943480	54.372130	438810	6025126	438709	6025336	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851502	93J05	1985	1502	10	-123.918690	54.373220	440422	6025227	440321	6025437	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851504	93J05	1985	1504	10	-123.881650	54.360360	442810	6023765	442709	6023975	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851505	93J05	1985	1505	10	-123.986040	54.414360	436111	6029863	436010	6030073	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851506	93J05	1985	1506	10	-123.925600	54.412760	440031	6029632	439930	6029842	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851507	93J05	1985	1507	10	-123.893260	54.408040	442123	6029079	442022	6029289	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851508	93J05	1985	1508	10	-123.870390	54.403460	443601	6028551	443500	6028761	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851509	93J02	1985	1509	10	-122.729880	54.103880	517762	5994902	517662	5995113	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851510	93J02	1985	1510	10	-122.753390	54.101310	516226	5994611	516126	5994822	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851511	93J02	1985	1511	10	-122.853730	54.037610	509678	5987505	509579	5987716	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851512	93J02	1985	1512	10	-122.914900	54.136510	505659	5998502	505560	5998713	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851513	93J02	1985	1513	10	-122.941420	54.175320	503923	6002819	503824	6003030	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851514	93J02	1985	1514	10	-122.890700	54.219830	507226	6007775	507127	6007986	BSLT	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851515	93J02	1985	1515	10	-122.890700	54.219830	507226	6007775	507127	6007986	BSLT	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851516	93J05	1985	1516	10	-123.527480	54.481210	465923	6036980	465824	6037191	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851517	93J12	1985	1517	10	-123.801220	54.527600	448247	6042310	448147	6042521	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851518	93J12	1985	1518	10	-123.823100	54.699980	447055	6061506	446956	6061717	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851519	93J12	1985	1519	10	-123.827610	54.711070	446779	6062744	446680	6062955	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851520	93J12	1985	1520	10	-123.814340	54.611100	447505	6051610	447406	6051821	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851522	93J12	1985	1522	10	-123.893000	54.598370	442408	6050255	442308	6050466	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851523	93J05	1985	1523	10	-123.938620	54.479310	439285	6037047	439184	6037257	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851524	93J03	1985	1524	10	-123.034550	54.100970	497841	5994545	497741	5994756	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851525	93J03	1985	1525	10	-123.185260	54.171180	488005	6002372	487906	6002583	ANDS	Sed only	00	Unknown	Quaternary	Undefined	Hilly-undulating	Dendritic
93J851526	93J03	1985	1526	10	-123.164270	54.161780	489373	6001323	489274	6001534	ANDS	Sed+water	00	Unknown	Quaternary	Undefined	Hilly-undulating	Dendritic
93J851527	93J03	1985	1527	10	-123.168640	54.132340	489081	5998048	488981	5998259	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851529	93J03	1985	1529	10	-123.088920	54.132910	494290	5998102	494190	5998313	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851530	93J03	1985	1530	10	-123.425740	54.164370	472303	6001683	472203	6001894	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851531	93J03	1985	1531	10	-123.337910	54.124340	478016	5997198	477916	5997409	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851532	93J03	1985	1532	10	-123.283410	54.023310	481533	5985941	481433	5986152	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851533	93J03	1985	1533	10	-123.294970	54.138760	480829	5998789	480729	5999000	ANDS	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851534	93J03	1985	1534	10	-123.294970	54.138760	480829	5998789	480729	5999000	ANDS	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851535	93J03	1985	1535	10	-123.259120	54.132560	483169	5998090	483069	5998301	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851536	93J03	1985	1536	10	-123.345540	54.053290	477479	5989295	477379	5989506	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851537	93J03	1985	1537	10	-123.309080	54.047730	479863	5988665	479763	5988876	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851538	93J03	1985	1538	10	-123.237100	54.009650	484562	5984410	484462	5984621	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851539	93J03	1985	1539	10	-123.237880	54.012720	484512	5984752	484412	5984963	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851540	93J03	1985	1540	10	-123.013290	54.007860	499229	5984185	499129	5984396	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851542	93J01	1985	1542	10	-122.349160	54.068680	542692	5991148	542592	5991359	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851543	93J01	1985	1543	10	-122.350230	54.062410	542628	5990450	542528	5990661	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851544	93J01	1985	1544	10	-122.336450	54.054010	543539	5989523	543439	5989734	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851545	93J01	1985	1545	10	-122.275320	54.048320	547547	5988930	547447	5989141	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851546	93J01	1985	1546	10	-122.281900	54.043910	547121	5988435	547021	5988646	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851547	93J01	1985	1547	10	-122.230420	54.032450	550506	5987195	550406	5987406	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851548	93J01	1985	1548	10	-122.278930	54.032770	547328	5987197	547228	5987408	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851549	93J01	1985	1549	10	-122.089950	54.090690	559623	5993785	559523	5993995	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851550	93J01	1985	1550	10	-122.019410	54.076880	564258	5992310	564158	5992520	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851551	93J01	1985	1551	10	-122.490090	54.037350	533493	5987586	533394	5987797	SNDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851552	93J01	1985	1552	10	-122.478480	54.062790	534234	5990423	534134	5990634	SNDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851553	93J01	1985	1553	10	-122.381430	54.010840	540636	5984694	540536	5984905	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851554	93J01	1985	1554	10	-122.381430	54.010840	540636	5984694	540536	5984905	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851555	93J01	1985	1555	10	-122.383690	54.019120	540480	5985614	540380	5985825	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851556	93J01	1985	1556	10	-122.456320	54.041920	535702	5988112	535602	5988323	SNDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851557	93J01	1985	1557	10	-122.414750	54.075610	538393	5991881	538293	5992092	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851558	93J01	1985	1558	10	-122.303090	54.107770	545664	5995526	545564	5995737	QZMZ	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851559	93J01	1985	1559	10	-122.285990	54.113540	546775	5996179	546675	5996390	QZMZ	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851562	93J01	1985	1562	10	-122.274220	54.114670	547543	5996312	547443	5996523	QZMZ	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851563	93J01	1985	1563	10	-122.234850	54.118060	550113	5996717	550013	5996928	QZMZ	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851564	93J01	1985	1564	10	-122.006510	54.122980	565029	5997451	564930	5997661	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851565	93J01	1985	1565	10	-122.066520	54.107390	561131	5995663	561031	5995873	TILL	Sed only	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851566	93J01	1985	1566	10	-122.107600	54.102470	558452	5995081	558352	5995291	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851567	93J01	1985	1567	10	-122.110640	54.104490	558250	5995303	558150	5995513	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851568	93J01	1985	1568	10	-122.244520	54.200050	549383	6005833	549283	6006043	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851569	93J01	1985	1569	10	-122.326410	54.234340	544005	6009594	543905	6009804	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851570	93J01	1985	1570	10	-122.408880	54.243360	538621	6010549	538521	6010760	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851571	93J01	1985	1571	10	-122.449450	54.227940	535991	6008812	535891	6009023	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851572	93J02	1985	1572	10	-122.533430	54.213940	530526	6007215	530426	6007426	SNDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851573	93J02	1985	1573	10	-122.524930	54.197140	531093	6005349	530993	6005560	SNDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851574	93J02	1985	1574	10	-122.525170	54.200730	531075	6005748	530975	6005959	SNDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851575	93J02	1985	1575	10	-122.553040	54.182990	529269	6003763	529169	6003974	SNDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851577	93J01	1985	1577	10	-122.211160	54.200170	551559	6005870	551459	6006080	TILL	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851578	93J01	1985	1578	10	-122.211160	54.200170	551559	6005870	551459	6006080	TILL	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851579	93J01	1985	1579	10	-122.175660	54.200320	553875	6005913	553775	6006123	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851580	93J01	1985	1580	10	-122.125970	54.191840	557128	6005009	557028	6005219	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851582	93J01	1985	1582	10	-122.015040	54.169610	564399	6002631	564300	6002841	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851583	93J14	1985	1583	10	-123.078020	54.877220	495093	6080921	494994	6081131	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851584	93J14	1985	1584	10	-123.368190	54.893320	476484	6082773	476385	6082982	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851585	93J14	1985	1585	10	-123.415250	54.875850	473454	6080845	473355	6081055	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851586	93J14	1985	1586	10	-123.453550	54.853940	470981	6078422	470882	6078632	QZMZ	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851587	93J13	1985	1587	10	-123.507080	54.851230	467542	6078144	467443	6078354	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851588	93J13	1985	1588	10	-123.528010	54.880690	466223	6081433	466124	6081643	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851589	93J13	1985	1589	10	-123.558470	54.890890	464278	6082583	464179	6082793	GRNG	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851590	93J13	1985	1590	10	-123.558470	54.890890	464278	6082583	464179	6082793	GRNG	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851591	93J13	1985	1591	10	-123.583250	54.877490	462676	6081105	462577	6081315	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851592	93J13	1985	1592	10	-123.604250	54.906840	461357	6084382	461258	6084592	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851593	93J13	1985	1593	10	-123.579510	54.906880	462943	6084374	462844	6084583	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851594	93J13	1985	1594	10	-123.631460	54.914930	459620	6085297	459521	6085507	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851595	93J10	1985	1595	10	-122.736210	54.711520	517094	6062512	516995	6062722	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851597	93J10	1985	1597	10	-122.728220	54.742020	517596	6065908	517497	6066118	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851598	93J15	1985	1598	10	-122.725330	54.792380	517760	6071513	517661	6071723	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851599	93J15	1985	1599	10	-122.744760	54.818370	516500	6074400	516401	6074610	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851600	93J15	1985	1600	10	-122.763760	54.840740	515271	6076885	515172	6077095	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851602	93J10	1985	1602	10	-122.572550	54.627760	527695	6053244	527596	6053454	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851603	93J09	1985	1603	10	-122.039890	54.651000	562047	6056169	561948	6056379	SMRK	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851604	93J09	1985	1604	10	-122.055170	54.634920	561085	6054367	560986	6054577	SMRK	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851605	93J09	1985	1605	10	-122.177760	54.616690	553196	6052239	553097	6052449	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	discontin shield
93J851606	93J09	1985	1606	10	-122.214550	54.610620	550828	6051536	550729	6051746	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851607	93J09	1985	1607	10	-122.238170	54.621790	549289	6052762	549190	6052972	LMSN	Sed+water	10	Unknown	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851608	93J09	1985	1608	10	-122.238170	54.621790	549289	6052762	549190	6052972	LMSN	Sed+water	20	Unknown	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851609	93J09	1985	1609	10	-122.244130	54.627920	548897	6053441	548798	6053651	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851611	93J09	1985	1611	10	-122.169060	54.635570	553733	6054346	553634	6054556	TILL	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851612	93J09	1985	1612	10	-122.406430	54.689820	538361	6060227	538262	6060437	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Muskeg+swampland	Dendritic
93J851613	93J09	1985	1613	10	-122.397580	54.678700	538942	6058995	538843	6059205	TILL	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851614	93J14	1985	1614	10	-123.038370	54.946810	497640	6088664	497542	6088873	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851615	93J15	1985	1615	10	-122.998630	54.926380	500186	6086390	500088	6086599	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851616	93J14	1985	1616	10	-123.005060	54.929460	499774	6086733	499676	6086942	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851617	93J14	1985	1617	10	-123.124640	54.935940	492112	6087461	492014	6087670	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	Dendritic
93J851618	93J14	1985	1618	10	-123.183550	54.918310	488333	6085508	488235	6085717	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851619	93J14	1985	1619	10	-123.220220	54.892370	485974	6082628	485875	6082837	BSLT	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851620	93J14	1985	1620	10	-123.300200	54.855790	480827	6078575	480728	6078785	GRNG	Sed only	00	Unknown	Tertiary	Intermittant	mtn+mature	Dendritic
93J851622	93J14	1985	1622	10	-123.321710	54.847520	479442	6077661	479343	6077871	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Muskeg+swampland	discontin shield
93J851623	93J14	1985	1623	10	-123.335600	54.840180	478546	6076849	478447	6077059	GRNG	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851625	93J14	1985	1625	10	-123.382260	54.815300	475534	6074096	475435	6074306	QZMZ	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851626	93J11	1985	1626	10	-123.027970	54.673000	498295	6058194	498196	6058404	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851627	93J11	1985	1627	10	-123.053040	54.641110	496676	6054647	496577	6054857	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851628	93J11	1985	1628	10	-123.075470	54.628610	495227	6053257	495128	6053467	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851629	93J11	1985	1629	10	-123.097950	54.643540	493778	6054921	493679	6055131	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851630	93J11	1985	1630	10	-123.123210	54.656370	492150	6056351	492051	6056561	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851631	93J11	1985	1631	10	-123.090460	54.661070	494264	6056870	494165	6057080	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851632	93J11	1985	1632	10	-123.062610	54.671910	496061	6058075	495962	6058285	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851633	93J11	1985	1633	10	-123.029660	54.705630	498188	6061825	498089	6062035	ANDS	Sed+water	10	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851634	93J11	1985	1634	10	-123.029660	54.705630	498188	6061825	498089	6062035	ANDS	Sed+water	20	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851635	93J11	1985	1635	10	-123.013940	54.724560	499201	6063932	499102	6064142	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851636	93J15	1985	1636	10	-122.954320	54.796010	503036	6071883	502937	6072093	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851637	93J07	1985	1637	10	-122.977200	54.483140	501576	6037067	501477	6037278	ANDS	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851638	93J07	1985	1638	10	-122.971580	54.494930	501940	6038381	501841	6038591	ANDS	Sed+water	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851639	93J10	1985	1639	10	-122.965430	54.510450	502337	6040107	502238	6040317	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851640	93J10	1985	1640	10	-122.930540	54.549670	504592	6044473	504493	6044683	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	discontin shield
93J851642	93J10	1985	1642	10	-122.909540	54.518320	505955	6040987	505856	6041197	QZMZ	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851643	93J10	1985	1643	10	-122.835980	54.513260	501718	6040432	510619	6040642	MSDM	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	discontin shield
93J851644	93J10	1985	1644	10	-122.766970	54.514720	515185	6040607	515086	6040817	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851645	93J10	1985	1645	10	-122.836340	54.542350	510687	6043669	510588	6043879	BSLT	Sed only	00	Unknown	Tertiary	Intermittant	Muskeg+swampland	Dendritic
93J851646	93J10	1985	1646	10	-122.793900	54.573820	513422	6047178	513323	6047388	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851647	93J10	1985	1647	10	-122.851860	54.553270	509680	6044882	509581	6045092	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851648	93J10	1985	1648	10	-122.762010	54.584710	515480	6048396	515381	6048606	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851649	93J10	1985	1649	10	-122.810670	54.601240	512330	6050226	512231	6050436	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Muskeg+swampland	Haphazard
93J851650	93J10	1985	1650	10	-122.859310	54.582270	509192	6048107	509093	6048317	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851651	93J10	1985	1651	10	-122.863250	54.580270	508938	6047885	508839	6048095	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851653	93J10	1985	1653	10	-122.920190	54.576640	505258	6047475	505159	6047685	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Muskeg+swampland	Dendritic
93J851654	93J10	1985	1654	10	-122.970760	54.595620	501988	6049584	501889	6049794	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Muskeg+swampland	Dendritic
93J851655	93J10	1985	1655	10	-122.981310	54.608690	501306	6051038	501207	6051248	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Muskeg+swampland	Dendritic
93J851656	93J10	1985	1656	10	-122.919950	54.675730	505261	6058501	505162	6058711	BSLT	Sed+water	10	Groundwater	Tertiary	Intermittant	Muskeg+swampland	Dendritic
93J851657	93J10	1985	1657	10	-122.919950	54.675730	505261	6058501	505162	6058711	BSLT	Sed+water	20	Groundwater	Tertiary	Intermittant	Muskeg+swampland	Dendritic
93J851658	93J10	1985	1658	10	-122.910540	54.687980	505866	6059865	505767	6060075	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851659	93J10	1985	1659	10	-122.885750	54.654070	507470	6056094	507371	6056304	BSLT	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851660	93J10	1985	1660	10	-122.912310	54.651650	505757	6055822	505658	6056032	MSDM	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851662	93J10	1985	1662	10	-122.920450	54.654850	505231	6056178	505132	6056388	ANDS	Sed+water	00	Groundwater	Quaternary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851663	93J10	1985	1663	10	-122.854340	54.605190	509508	6050659	509409	6050869	MSDM	Sed only	00	Unknown	Tertiary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851665	93J09	1985	1665	10	-122.724200	54.605500	517914	6050718	517815	6050928	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Muskeg+swampland	Haphazard
93J851666	93J11	1985	1666	10	-123.196730	54.704160	487422	6061679	487323	6061889	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851667	93J11	1985	1667	10	-123.199190	54.699080	487262	6061114	487163	6061324	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851668	93J11	1985	1668	10	-123.171290	54.635910	489043	6054080	488944	6054290	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851669	93J11	1985	1669	10	-123.105900	54.553810	493250	6044937	493151	6045147	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851670	93J11	1985	1670	10	-123.097480	54.549530	493794	6044460	493695	6044670	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Haphazard
93J851671	93J11	1985	1671	10	-123.051900	54.534490	496741	6042783	496642	6042993	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851672	93J11	1985	1672	10	-123.014320	54.513320	499172	6040426	499073	6040636	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851673	93J01	1985	1673	10	-122.128890	54.218800	556899	6008006	556800	6008216	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851674	93J01	1985	1674	10	-122.128890	54.218800	556899	6008006	556800	6008216	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851675	93J01	1985	1675	10	-122.312920	54.236940	544881	6009892	544781	6010102	TILL	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851676	93J07	1985	1676	10	-122.864010	54.396420	508928	6027427	508829	6027638	GRNG	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851677	93J07	1985	1677	10	-122.847870	54.426750	509969	6030803	509870	6031014	GRNG	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851678	93J07	1985	1678	10	-122.847840	54.430050	509970	6031171	509871	6031382	GRNG	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851679	93J07	1985	1679	10	-122.885390	54.369980	507545	6024482	507446	6024693	GRNG	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851680	93J02	1985	1680	10	-122.607800	54.226440	525669	6008576	525569	6008787	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851682	93J07	1985	1682	10	-122.619090	54.309490	524882	6017813	524783	6018024	BSLT	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851683	93J15	1985	1683	10	-122.962560	54.936910	502497	6087563	502399	6087772	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851684	93J01	1985	1684	10	-122.290980	54.220090	546330	6008031	546230	6008241	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851685	93J08	1985	1685	10	-122.194780	54.273310	552534	6014020	552435	6014230	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851686	93J08	1985	1686	10	-122.162760	54.263610	554632	6012965	554533	6013175	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851687	93J08	1985	1687	10	-122.187610	54.309190	552955	6018018	552856	6018228	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851688	93J08	1985	1688	10	-122.166090	54.299800	554367	6016989	554268	6017199	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851689	93J08	1985	1689	10	-122.024650	54.281110	563600	6015029	563501	6015238	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851690	93J06	1985	1690	10	-123.147070	54.347670	490539	6022004	490440	6022215	ANDS	Sed only	00	Unknown	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851692	93J06	1985	1692	10	-123.215440	54.266350	486067	6012967	485968	6013178	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851693	93J06	1985	1693	10	-123.289250	54.285850	481269	6015154	481170	6015365	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851694	93J15	1985	1694	10	-122.633570	54.784920	523664	6070710	523565	6070920	LMSN	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851695	93J06	1985	1695	10	-123.101150	54.310670	493518	6017882	493419	6018093	ANDS	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851696	93J06	1985	1696	10	-123.101150	54.310670	493518	6017882	493419	6018093	ANDS	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851697	93J03	1985	1697	10	-123.073130	54.221970	495331	6008010	495232	6008221	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851698	93J03	1985	1698	10	-123.067770	54.225000	495681	6008347	495582	6008558	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851699	93J03	1985	1699	10	-123.063850	54.185350	495932	6003935	495833	6004146	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851700	93J03	1985	1700	10	-123.064420	54.144160	495891	5999352	495792	5999563	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851702	93J03	1985	1702	10	-123.128830	54.132770	491682	5998091	491582	5998302	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851703	93J06	1985	1703	10	-123.079300	54.255230	494933	6011711	494834	6011922	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851705	93J06	1985	1705	10	-123.205300	54.255190	486724	6011723	486625	6011934	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851706	93J06	1985	1706	10	-123.109670	54.276610	492958	6014093	492859	6014304	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851707	93J06	1985	1707	10	-123.181640	54.361270	488296	6023522	488197	6023733	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851708	93J06	1985	1708	10	-123.152650	54.353310	490178	6022632	490079	6022843	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851709	93J06	1985	1709	10	-123.169540	54.375890	489086	6025147	488987	6025358	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851710	93J06	1985	1710	10	-123.233780	54.362340	484908	6023651	484809	6023862	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851711	93J05	1985	1711	10	-123.596800	54.382440	461339	6026027	461240	6026238	ANDS	Sed+water	00	Groundwater	Tertiary	Intermittant	Hilly-undulating	Dendritic
93J851712	93J05	1985	1712	10	-123.611570	54.385230	460382	6026345	460283	6026556	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851713	93J05	1985	1713	10	-123.619340	54.389470	459882	6026821	459783	6027032	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851714	93J05	1985	1714	10	-123.658580	54.410210	457355	6029152	457256	6029363	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851715	93J05	1985	1715	10	-123.717260	54.467630	453613	6035578	453513	6035789	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851716	93J05	1985	1716	10	-123.817000	54.491220	447179	6038274	447079	6038484	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851717	93J12	1985	1717	10	-123.820500	54.519660	446989	6041441	446889	6041651	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851718	93J05	1985	1718	10	-123.543140	54.398870	464838	6027827	464739	6028038	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851719	93J05	1985	1719	10	-123.563290	54.382530	463515	6026019	463416	6026230	ANDS	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851720	93J05	1985	1720	10	-123.563290	54.382530	463515	6026019	463416	6026230	ANDS	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851722	93J11	1985	1722	10	-123.241920	54.539240	484447	6043336	484348	6043547	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851723	93J11	1985	1723	10	-123.263970	54.538620	483020	6043273	482921	6043484	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851724	93J11	1985	1724	10	-123.265900	54.549650	482900	6044500	482801	6044711	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851726	93J11	1985	1726	10	-123.058650	54.588790	496309	6048826	496210	6049036	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851727	93J11	1985	1727	10	-123.012250	54.574590	499307	6047244	499208	6047454	ANDS	Sed+water	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Dendritic
93J851728	93J11	1985	1728	10	-123.018520	54.548230	498901	6044311	498802	6044521	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851729	93J07	1985	1729	10	-122.517550	54.323870	531477	6019453	531378	6019664	GRNG	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851730	93J07	1985	1730	10	-122.578630	54.344430	527491	6021715	527392	6021926	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851731	93J07	1985	1731	10	-122.515300	54.362890	531594	6023795	531495	6024006	GRNG	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851732	93J07	1985	1732	10	-122.531220	54.381840	530545	6025897	530446	6026108	GRNG	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851733	93J01	1985	1733	10	-122.134700	54.247540	556481	6011199	556382	6011409	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851734	93J01	1985	1734	10	-122.134700	54.247540	556481	6011199	556382	6011409	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851735	93J08	1985	1735	10	-122.197820	54.310470	552289	6018152	552190	6018362	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851736	93J08	1985	1736	10	-122.200010	54.313220	552143	6018457	552044	6018667	LMSN	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851737	93J03	1985	1737	10	-123.159330	54.220440	489710	6007849	489611	6008060	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851738	93J03	1985	1738	10	-123.363700	54.246520	476400	6010800	476301	6011011	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851739	93J03	1985	1739	10	-123.157180	54.185410	489842	6003951	489743	6004162	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851740	93J03	1985	1740	10	-123.271080	54.108740	482377	5995443	482277	5995654	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851742	93J03	1985	1742	10	-123.043550	54.107590	497253	5995282	497153	5995493	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851743	93J03	1985	1743	10	-123.022100	54.169260	498656	6002143	498557	6002354	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851744	93J10	1985	1744	10	-122.651690	54.501910	522655	6039213	522556	6039423	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851745	93J02	1985	1745	10	-122.899760	54.035220	506664	5987234	506565	5987445	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851746	93J07	1985	1746	10	-122.614010	54.499270	525097	6038932	524998	6039142	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851747	93J10	1985	1747	10	-122.542230	54.550740	529708	6044686	529609	6044896	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851748	93J07	1985	1748	10	-122.838450	54.312120	510609	6018050	510510	6018261	ANDS	Sed only	00	Unknown	Quaternary	Re-emergent-discontinuous	Hilly-undulating	Haphazard
93J851749	93J07	1985	1749	10	-122.939690	54.289770	504025	6015553	503926	6015764	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851750	93J07	1985	1750	10	-122.941320	54.274880	503920	6013896	503821	6014107	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851751	93J07	1985	1751	10	-122.859410	54.256240	509258	6011830	509159	6012041	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851753	93J07	1985	1753	10	-122.728690	54.279250	517764	6014415	517665	6014626	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851754	93J11	1985	1754	10	-123.275820	54.530280	482250	6042347	482151	6042558	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851755	93J11	1985	1755	10	-123.276160	54.576490	482248	6047489	482149	6047700	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851756	93J11	1985	1756	10	-123.205600	54.640830	486830	6054634	486731	6054844	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851757	93J11	1985	1757	10	-123.208730	54.637800	486627	6054297	486528	6054507	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851758	93J11	1985	1758	10	-123.172990	54.678110	488945	6058777	488846	6058987	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851759	93J09	1985	1759	10	-122.129030	54.640350	556310	6054910	556211	6055120	SMRK	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851760	93J09	1985	1760	10	-122.129030	54.640350	556310	6054910	556211	6055120	SMRK	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851762	93J13	1985	1762	10	-123.594180	54.828790	461929	6075691	461830	6075901	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851763	93J13	1985	1763	10	-123.619570	54.847270	460316	6077762	460217	6077972	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851764	93J13	1985	1764	10	-123.710410	54.851020	454487	6078235	454388	6078445	GRNG	Sed only	00	Unknown	Quaternary	Intermittant	mtn+mature	Haphazard
93J851765	93J13	1985	1765	10	-123.790450	54.819700	449309	6074804	449210	6075014	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851766	93J07	1985	1766	10	-122.908930	54.438240	506006	6032075	505907	6032286	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851767	93J10	1985	1767	10	-122.890970	54.620370	507139	6052343	507040	6052553	MSDM	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851768	93J15	1985	1768	10	-122.729430	54.884180	517457	6081727	517358	6081937	LMSN	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851769	93J15	1985	1769	10	-122.729430	54.884180	517457	6081727	517358	6081937	LMSN	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851770	93J15	1985	1770	10	-122.665600	54.896950	521545	6083165	521446	6083375	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851771	93J15	1985	1771	10	-122.780890	54.977620	514122	6092114	514024	6092323	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851772	93J15	1985	1772	10	-122.806160	54.989350	512501	6093416	512403	6093624	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851773	93J15	1985	1773	10	-122.548570	54.835600	529094	6076381	528995	6076591	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851774	93J15	1985	1774	10	-122.710500	54.969850	518631	6091267	518533	6091475	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851776	93J15	1985	1776	10	-122.615320	54.867810	524787	6079939	524688	6080149	TILL	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851777	93J15	1985	1777	10	-122.514910	54.847610	531247	6077732	531148	6077942	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851778	93J04	1985	1778	10	-123.663100	54.179130	456821	6003444	456721	6003655	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851779	93J04	1985	1779	10	-123.707000	54.182490	453960	6003846	453860	6004057	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851780	93J04	1985	1780	10	-123.731060	54.179100	452386	6003485	452286	6003695	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851782	93J04	1985	1782	10	-123.759680	54.182860	450522	6003924	450422	6004134	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851783	93J04	1985	1783	10	-123.789840	54.195620	448571	6005366	448470	6005575	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851784	93J04	1985	1784	10	-123.870420	54.199360	443319	6005845	443218	6006053	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851785	93J04	1985	1785	10	-123.899100	54.205040	441456	6006500	441355	6006708	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851786	93J04	1985	1786	10	-123.937660	54.211550	438951	6007257	438850	6007465	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851787	93J04	1985	1787	10	-123.959590	54.204760	437510	6006521	437409	6006729	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851788	93J04	1985	1788	10	-123.978850	54.219170	436276	6008141	436175	6008349	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851789	93J04	1985	1789	10	-123.601980	54.163160	460795	6001632	460695	6001843	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851790	93J04	1985	1790	10	-123.539990	54.162760	464842	6001554	464742	6001765	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851791	93J04	1985	1791	10	-123.510870	54.154540	466737	6000626	466637	6000837	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851793	93J04	1985	1793	10	-123.536590	54.141370	465046	5999173	464946	5999384	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851794	93J04	1985	1794	10	-123.530250	54.139920	465459	5999008	465359	5999219	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851795	93J04	1985	1795	10	-123.738820	54.022960	451698	5986118	451598	5986329	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851796	93J04	1985	1796	10	-123.740120	54.026030	451616	5986460	451516	5986671	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851797	93J04	1985	1797	10	-123.855560	54.099520	444153	5994723	444053	5994933	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851798	93J10	1985	1798	10	-122.767650	54.708000	515070	6062113	514971	6062323	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851799	93J10	1985	1799	10	-122.843830	54.738730	510154	6065519	510055	6065729	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851800	93J10	1985	1800	10	-122.843830	54.738730	510154	6065519	510055	6065729	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851802	93J10	1985	1802	10	-122.642020	54.628060	523210	6053253	523111	6053463	LMSN	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851803	93J10	1985	1803	10	-122.751600	54.656280	516124	6056362	516025	6056572	BSLT	Sed+water	00	Groundwater	Tertiary	Re-emergent-discontinuous	Muskeg+swampland	Haphazard
93J851804	93J10	1985	1804	10	-122.785340	54.745860	513917	6066323	513818	6066533	LMSN	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851805	93J10	1985	1805	10	-122.785340	54.745860	513917	6066323	513818	6066533	LMSN	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851806	93J15	1985	1806	10	-122.786150	54.754080	513862	6067237	513763	6067447	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851807	93J15	1985	1807	10	-122.874800	54.852070	508137	6078127	508038	6078337	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851808	93J15	1985	1808	10	-122.820680	54.799720	511627	6072310	511528	6072520	LMSN	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851809	93J15	1985	1809	10	-122.850700	54.824360	509691	6075047	509592	6075257	LMSN	Sed only	00	Unknown	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851810	93J13	1985	1810	10	-123.968300	54.826170	437892	6075667	437793	6075878	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851811	93J13	1985	1811	10	-123.810410	54.832410	448043	6076233	447944	6076443	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851813	93J13	1985	1813	10	-123.534780	54.824480	465741	6075181	465642	6075391	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851814	93J14	1985	1814	10	-123.473000	54.828200	469713	6075566	469614	6075776	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851815	93J06	1985	1815	10	-123.021510	54.323460	498700	6019300	498601	6019511	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851816	93J06	1985	1816	10	-123.037720	54.330030	497646	6020032	497547	6020243	ANDS	Sed only	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851817	93J06	1985	1817	10	-123.015680	54.357870	499080	6023129	498981	6023340	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851818	93J06	1985	1818	10	-123.027910	54.381660	498286	6025776	498187	6025987	ANDS	Sed only	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851819	93J06	1985	1819	10	-123.158630	54.428890	489808	6031043	489709	6031254	ANDS	Sed only	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851820	93J06	1985	1820	10	-123.135550	54.423780	491304	6030471	491205	6030682	ANDS	Sed only	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851823	93J12	1985	1823	10	-123.644120	54.531280	458417	6042615	458318	6042826	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851824	93J12	1985	1824	10	-123.913890	54.540300	440974	6043812	440874	6044022	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851825	93J12	1985	1825	10	-123.972660	54.642790	437330	6055266	437230	6055477	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851826	93J12	1985	1826	10	-123.966250	54.637190	437735	6054637	437635	6054848	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851827	93J12	1985	1827	10	-123.792330	54.641300	448964	6054954	448865	6055165	GRDR	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851828	93J12	1985	1828	10	-123.826250	54.670860	446814	6058269	446715	6058480	GRDR	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851829	93J12	1985	1829	10	-123.754330	54.709520	451498	6062519	451399	6062729	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851830	93J13	1985	1830	10	-123.987840	54.778850	436562	6070419	436463	6070630	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851831	93J13	1985	1831	10	-123.983410	54.783900	436855	6070977	436756	6071188	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851832	93J13	1985	1832	10	-123.834000	54.878060	446588	6081331	446489	6081541	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851833	93J14	1985	1833	10	-123.277990	54.893130	482269	6082725	482170	6082934	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851834	93J14	1985	1834	10	-123.277600	54.897290	482296	6083188	482197	6083397	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851835	93J14	1985	1835	10	-123.219450	54.851080	486009	6078032	485910	6078242	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851836	93J11	1985	1836	10	-123.370780	54.684700	476195	6059559	476096	6059769	GRNG	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851837	93J11	1985	1837	10	-123.414560	54.698610	473382	6061123	473283	6061333	GRNG	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851838	93J11	1985	1838	10	-123.414560	54.698610	473382	6061123	473283	6061333	GRNG	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851839	93J13	1985	1839	10	-123.643880	54.927640	458837	6086719	458738	6086929	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851840	93J13	1985	1840	10	-123.510640	54.915560	467366	6085305	467267	6085514	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851842	93J14	1985	1842	10	-123.478820	54.908450	469400	6084500	469301	6084709	QZMZ	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851843	93J14	1985	1843	10	-123.469830	54.911660	469979	6084853	469880	6085062	QZMZ	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851844	93J14	1985	1844	10	-123.424320	54.901080	472889	6083657	472790	6083866	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851845	93J14	1985	1845	10	-123.461620	54.949510	470533	6089061	470434	6089270	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851846	93J14	1985	1846	10	-123.427400	54.929540	472711	6086825	472612	6087034	MSDM	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851847	93J14	1985	1847	10	-123.428730	54.949210	472639	6089015	472540	6089224	MSDM	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851848	93J14	1985	1848	10	-123.254620	54.919700	483779	6085676	483680	6085885	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851850	93J14	1985	1850	10	-123.210480	54.929180	486610	6086722	486512	6086931	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851851	93J14	1985	1851	10	-123.179220	54.952380	488620	6089298	488522	6089507	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851852	93J14	1985	1852	10	-123.161980	54.960780	489726	6090230	489628	6090439	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851853	93J14	1985	1853	10	-123.161980	54.960780	489726	6090230	489628	6090439	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851854	93J14	1985	1854	10	-123.133340	54.987900	491566	6093244	491468	6093453	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851855	93J14	1985	1855	10	-123.200950	54.975620	487236	6091888	487138	6092097	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851856	93J14	1985	1856	10	-123.243260	54.973670	484527	6091680	484429	6091889	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851857	93J14	1985	1857	10	-123.277780	54.984630	482322	6092907	482224	6093116	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851858	93J14	1985	1858	10	-123.315440	54.982090	479911	6092635	479813	6092844	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851859	93J14	1985	1859	10	-123.329840	54.984800	478991	6092941	478893	6093150	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851860	93J14	1985	1860	10	-123.360500	54.990200	477032	6093551	476934	6093760	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851862	93J14	1985	1862	10	-123.428170	54.971520	472689	6091497	472591	6091706	MSDM	Sed only	00	Unknown	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851863	93J13	1985	1863	10	-123.530060	54.971670	466167	6091558	466069	6091767	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851864	93J13	1985	1864	10	-123.521160	54.953970	466722	6089584	466624	6089793	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851865	93J14	1985	1865	10	-123.468600	54.931230	470072	6087030	469973	6087239	QZMZ	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851866	93J14	1985	1866	10	-123.392330	54.941510	474966	6088144	474867	6088353	MSDM	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851867	93J14	1985	1867	10	-123.387040	54.935940	475301	6087522	475202	6087731	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851868	93J14	1985	1868	10	-123.404260	54.932740	474196	6087173	474097	6087382	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851869	93J14	1985	1869	10	-123.381690	54.954150	475654	6089547	475556	6089756	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851870	93J14	1985	1870	10	-123.333330	54.950000	478749	6089069	478651	6089278	MSDM	Sed only	00	Unknown	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851871	93J14	1985	1871	10	-123.282380	54.936190	482006	6087518	481908	6087727	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851872	93J14	1985	1872	10	-123.232590	54.944320	485199	6088411	485101	6088620	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851873	93J14	1985	1873	10	-123.232590	54.944320	485199	6088411	485101	6088620	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851874	93J14	1985	1874	10	-123.230050	54.862810	485333	6079340	485234	6079549	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851876	93J14	1985	1876	10	-123.180530	54.865610	488512	6079643	488413	6079852	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851877	93J14	1985	1877	10	-123.153660	54.881730	490241	6081432	490142	6081641	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851878	93J14	1985	1878	10	-123.073610	54.903400	495378	6083835	495280	6084044	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851879	93J14	1985	1879	10	-123.032870	54.893470	497990	6082728	497892	6082938	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851880	93J14	1985	1880	10	-123.010710	54.837460	499411	6076494	499312	6076704	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851882	93J14	1985	1882	10	-123.010340	54.799920	499434	6072317	499335	6072527	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851883	93J14	1985	1883	10	-123.023290	54.760450	498600	6067925	498501	6068135	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851884	93J15	1985	1884	10	-122.774580	54.834080	514578	6076142	514479	6076352	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851885	93J15	1985	1885	10	-122.782550	54.849500	514061	6077856	513962	6078066	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851886	93J15	1985	1886	10	-122.726490	54.852570	517659	6078210	517560	6078420	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851887	93J15	1985	1887	10	-122.681860	54.874630	520513	6080677	520414	6080887	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851888	93J15	1985	1888	10	-122.631050	54.867740	523778	6079926	523679	6080136	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J851890	93J15	1985	1890	10	-122.602880	54.823150	525614	6074974	525515	6075184	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851891	93J15	1985	1891	10	-122.682950	54.823810	520469	6075022	520370	6075232	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851892	93J10	1985	1892	10	-122.672020	54.692970	521239	6060466	521140	6060676	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851893	93J10	1985	1893	10	-122.655920	54.672840	522288	6058231	522189	6058441	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851894	93J10	1985	1894	10	-122.552970	54.655690	528939	6056360	528840	6056570	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851895	93J10	1985	1895	10	-122.510450	54.665390	531675	6057457	531576	6057667	LMSN	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851896	93J10	1985	1896	10	-122.510450	54.665390	531675	6057457	531576	6057667	LMSN	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851897	93J09	1985	1897	10	-122.495410	54.652820	532655	6056066	532556	6056276	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851898	93J09	1985	1898	10	-122.477710	54.640710	533807	6054726	533708	6054936	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851899	93J09	1985	1899	10	-122.454480	54.636150	535310	6054230	535211	6054440	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851900	93J09	1985	1900	10	-122.429850	54.611550	536922	6051506	536823	6051716	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851902	93J09	1985	1902	10	-122.410110	54.595070	538212	6049683	538113	6049893	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851903	93J09	1985	1903	10	-122.430190	54.586280	536923	6048694	536824	6048904	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851904	93J09	1985	1904	10	-122.335960	54.630320	542966	6053648	542867	6053858	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851906	93J09	1985	1906	10	-122.301170	54.625610	545217	6053145	545118	6053355	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851907	93J09	1985	1907	10	-122.282580	54.565930	546485	6046517	546386	6046727	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851908	93J09	1985	1908	10	-122.288390	54.573950	546100	6047406	546001	6047616	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851909	93J09	1985	1909	10	-122.345720	54.559130	542410	6045720	542311	6045930	LMSN	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851910	93J09	1985	1910	10	-122.345720	54.559130	542410	6045720	542311	6045930	LMSN	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851911	93J09	1985	1911	10	-122.418900	54.553020	537683	6044999	537584	6045209	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851912	93J09	1985	1912	10	-122.451730	54.554660	535558	6045165	535459	6045375	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851913	93J09	1985	1913	10	-122.459680	54.537420	535059	6043242	534960	6043452	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851914	93J09	1985	1914	10	-122.184670	54.565390	552816	6046526	552717	6046736	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851915	93J09	1985	1915	10	-122.107390	54.536810	557853	6043407	557754	6043617	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851916	93J09	1985	1916	10	-122.084280	54.505250	559394	6039914	559295	6040124	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851917	93J08	1985	1917	10	-122.057670	54.485070	561147	6037692	561048	6037902	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851918	93J08	1985	1918	10	-122.028110	54.488250	563057	6038071	562958	6038281	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851919	93J08	1985	1919	10	-122.051720	54.473210	561550	6036377	561451	6036587	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851920	93J08	1985	1920	10	-122.121900	54.450540	557034	6033796	556935	6034006	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851922	93J08	1985	1922	10	-122.101620	54.439720	558364	6032609	558265	6032819	SMRK	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851923	93J08	1985	1923	10	-122.101620	54.439720	558364	6032609	558265	6032819	SMRK	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851925	93J08	1985	1925	10	-122.078830	54.424940	559864	6030983	559765	6031193	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851926	93J08	1985	1926	10	-122.029400	54.394290	563118	6027617	563019	6027826	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851927	93J08	1985	1927	10	-122.006910	54.351990	564644	6022931	564545	6023140	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851928	93J08	1985	1928	10	-122.019270	54.310620	563905	6018317	563806	6018526	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851929	93J08	1985	1929	10	-122.050880	54.335640	561811	6021073	561712	6021282	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851930	93J08	1985	1930	10	-122.091090	54.365980	559153	6024413	559054	6024623	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851931	93J08	1985	1931	10	-122.091470	54.378140	559111	6025765	559012	6025975	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851932	93J08	1985	1932	10	-122.123470	54.391620	557014	6027239	556915	6027449	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851933	93J08	1985	1933	10	-122.150710	54.396100	555239	6027716	555140	6027926	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851934	93J09	1985	1934	10	-122.333410	54.506740	543261	6039899	543162	6040109	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851935	93J08	1985	1935	10	-122.327590	54.484170	543662	6037391	543563	6037601	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851936	93J08	1985	1936	10	-122.353830	54.474510	541972	6036300	541873	6036510	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851937	93J08	1985	1937	10	-122.315450	54.474050	544459	6036273	544360	6036483	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851938	93J08	1985	1938	10	-122.282300	54.477160	546604	6036640	546505	6036850	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851939	93J08	1985	1939	10	-122.282710	54.452470	546605	6033892	546506	6034102	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851940	93J08	1985	1940	10	-122.270520	54.445880	547403	6033167	547304	6033377	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851942	93J08	1985	1942	10	-122.256090	54.430500	548357	6031466	548258	6031676	LMSN	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851943	93J08	1985	1943	10	-122.256090	54.430500	548357	6031466	548258	6031676	LMSN	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851944	93J08	1985	1944	10	-122.217790	54.450550	550817	6033724	550718	6033934	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J851945	93J08	1985	1945	10	-122.207460	54.470170	551462	6035914	551363	6036124	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851947	93J08	1985	1947	10	-122.162120	54.462830	554410	6035131	554311	6035341	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851948	93J08	1985	1948	10	-122.184190	54.418770	553036	6030212	552937	6030422	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851949	93J08	1985	1949	10	-122.182420	54.423320	553145	6030720	553046	6030930	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851950	93J08	1985	1950	10	-122.232290	54.409690	549926	6029167	549827	6029377	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851951	93J08	1985	1951	10	-122.242130	54.362580	549344	6023918	549245	6024128	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851952	93J08	1985	1952	10	-122.203690	54.365340	551838	6024253	551739	6024463	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851953	93J08	1985	1953	10	-122.183960	54.344550	553147	6021954	553048	6022164	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851954	93J10	1985	1954	10	-122.951180	54.563090	503256	6045965	503157	6046175	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851955	93J11	1985	1955	10	-123.150330	54.536450	490372	6043009	490273	6043220	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851956	93J11	1985	1956	10	-123.245760	54.627250	484233	6053131	484134	6053341	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851957	93J11	1985	1957	10	-123.231450	54.642550	485162	6054831	485063	6055041	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851958	93J11	1985	1958	10	-123.278180	54.653430	482151	6056052	482052	6056262	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851959	93J11	1985	1959	10	-123.327490	54.688980	478988	6060021	478889	6060231	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851960	93J11	1985	1960	10	-123.322560	54.661720	479292	6056987	479193	6057197	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851962	93J11	1985	1962	10	-123.319210	54.636970	479496	6054232	479397	6054442	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851963	93J11	1985	1963	10	-123.351770	54.642360	477397	6054842	477298	6055052	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851964	93J11	1985	1964	10	-123.373900	54.627020	475960	6053142	475861	6053352	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851965	93J11	1985	1965	10	-123.405980	54.619290	473884	6052293	473785	6052504	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851966	93J11	1985	1966	10	-123.439360	54.603040	471717	6050497	471618	6050708	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851967	93J11	1985	1967	10	-123.450680	54.607570	470989	6051006	470890	6051217	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851968	93J11	1985	1968	10	-123.423120	54.639930	472791	6054597	472692	6054807	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851969	93J11	1985	1969	10	-123.409590	54.646200	473668	6055289	473569	6055499	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851971	93J11	1985	1971	10	-123.487180	54.683190	468690	6059437	468591	6059647	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851972	93J12	1985	1972	10	-123.513230	54.735580	467053	6065278	466954	6065488	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851973	93J13	1985	1973	10	-123.540090	54.750980	465337	6067005	465238	6067215	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851974	93J13	1985	1974	10	-123.598800	54.783640	461589	6070670	461490	6070880	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851975	93J13	1985	1975	10	-123.639840	54.799360	458966	6072443	458867	6072653	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J851976	93J13	1985	1976	10	-123.618020	54.824570	460393	6075235	460294	6075445	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851977	93J13	1985	1977	10	-123.822790	54.977280	447436	6092363	447338	6092573	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851978	93J13	1985	1978	10	-123.832050	54.979330	446846	6092598	446748	6092808	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851979	93J13	1985	1979	10	-123.832050	54.979330	446846	6092598	446748	6092808	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851980	93J13	1985	1980	10	-123.902340	54.953010	442311	6089725	442212	6089935	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851982	93J13	1985	1982	10	-123.917460	54.961400	441355	6090671	441256	6090881	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851983	93J13	1985	1983	10	-123.908080	54.967860	441965	6091382	441866	6091592	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J851984	93J13	1985	1984	10	-123.908080	54.967860	441965	6091382	441866	6091592	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851985	93J13	1985	1985	10	-123.949190	54.996710	439377	6094627	439278	6094837	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851986	93J13	1985	1986	10	-123.980970	54.970630	437303	6091753	437204	6091963	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851987	93J13	1985	1987	10	-123.979930	54.944460	437329	6088839	437230	6089050	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851988	93J13	1985	1988	10	-123.995720	54.932360	436298	6087507	436199	6087718	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J851989	93J13	1985	1989	10	-123.988330	54.896240	436715	6083482	436616	6083693	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851990	93J13	1985	1990	10	-123.992350	54.885370	436440	6082276	436341	6082487	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851991	93J13	1985	1991	10	-123.949350	54.891130	439207	6082878	439108	6083089	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851992	93J13	1985	1992	10	-123.888610	54.896060	443110	6083377	443011	6083587	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851993	93J13	1985	1993	10	-123.872730	54.925320	444169	6086620	444070	6086830	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851994	93J13	1985	1994	10	-123.729260	54.985430	453432	6093203	453334	6093413	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851996	93J13	1985	1996	10	-123.733170	54.989400	453186	6093648	453088	6093858	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851997	93J13	1985	1997	10	-123.697750	54.965630	455426	6090980	455328	6091190	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J851998	93J13	1985	1998	10	-123.674250	54.964040	456929	6090789	456831	6090998	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J851999	93J13	1985	1999	10	-123.680280	54.939030	456517	6088009	456418	6088219	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853000	93J13	1985	3000	10	-123.609900	54.994940	461079	6094189	460981	6094398	MSDM	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853002	93J13	1985	3002	10	-123.571100	54.972810	463541	6091706	463443	6091915	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853003	93J13	1985	3003	10	-123.630980	54.753200	459489	6067301	459390	6067511	GRNG	Sed only	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853004	93J12	1985	3004	10	-123.797470	54.746750	448766	6066692	448667	6066902	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853005	93J13	1985	3005	10	-123.795600	54.753660	448895	6067460	448796	6067670	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853006	93J13	1985	3006	10	-123.762500	54.774220	451050	6069724	450951	6069934	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853007	93J13	1985	3007	10	-123.783630	54.794350	449716	6071979	449617	6072189	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853008	93J13	1985	3008	10	-123.817090	54.795620	447566	6072145	447467	6072355	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853009	93J13	1985	3009	10	-123.720410	54.810630	453799	6073747	453700	6073957	GRNG	Sed only	00	Unknown	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853010	93J13	1985	3010	10	-123.742630	54.830930	452395	6076021	452296	6076231	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853011	93J13	1985	3011	10	-123.712910	54.837770	454312	6076762	454213	6076972	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853012	93J13	1985	3012	10	-123.710280	54.862260	454508	6079485	454409	6079695	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853013	93J13	1985	3013	10	-123.799960	54.907030	448809	6084529	448710	6084739	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853014	93J13	1985	3014	10	-123.784960	54.946480	449820	6088908	449721	6089118	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853016	93J13	1985	3016	10	-123.803900	54.929990	448586	6087087	448487	6087297	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853017	93J13	1985	3017	10	-123.803900	54.929990	448586	6087087	448487	6087297	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853018	93J13	1985	3018	10	-123.849240	54.935410	445688	6087724	445589	6087934	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853019	93J13	1985	3019	10	-123.865500	54.875620	444564	6081084	444465	6081294	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853020	93J13	1985	3020	10	-123.879010	54.841260	443649	6077270	443550	6077481	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853022	93J13	1985	3022	10	-123.929000	54.836850	440432	6076821	440333	6077032	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853024	93J13	1985	3024	10	-123.967320	54.841530	437978	6077375	437879	6077586	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853025	93J13	1985	3025	10	-123.946300	54.807280	439277	6073546	439178	6073757	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853026	93J13	1985	3026	10	-123.919790	54.778960	440939	6070372	440840	6070583	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853027	93J13	1985	3027	10	-123.879780	54.764070	443492	6068682	443393	6068893	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853028	93J12	1985	3028	10	-123.609290	54.726150	460859	6064279	460760	6064489	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853029	93J12	1985	3029	10	-123.778630	54.696320	449916	6061067	449817	6061277	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853030	93J12	1985	3030	10	-123.811930	54.703020	447779	6061836	447680	6062047	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853031	93J12	1985	3031	10	-123.816080	54.710350	447521	6062655	447422	6062866	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853032	93J12	1985	3032	10	-123.905870	54.725490	441758	6064411	441659	6064622	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853033	93J12	1985	3033	10	-123.939490	54.732660	439603	6065237	439504	6065448	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853034	93J12	1985	3034	10	-123.942580	54.709080	439369	6062616	439270	6062827	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853035	93J12	1985	3035	10	-123.942580	54.709080	439369	6062616	439270	6062827	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853036	93J12	1985	3036	10	-123.947290	54.693240	439042	6060857	438943	6061068	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853037	93J12	1985	3037	10	-123.931490	54.675670	440034	6058889	439935	6059100	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853038	93J12	1985	3038	10	-123.874240	54.664960	443711	6057649	443612	6057860	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853039	93J12	1985	3039	10	-123.833090	54.662770	446362	6057374	446263	6057585	GRDR	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853040	93J12	1985	3040	10	-123.710570	54.657690	454259	6056722	454160	6056932	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J853042	93J12	1985	3042	10	-123.684150	54.674780	455982	6058607	455883	6058817	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J853043	93J12	1985	3043	10	-123.667810	54.681930	457043	6059393	456944	6059603	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853044	93J12	1985	3044	10	-123.615270	54.699030	460447	6061264	460348	6061474	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853046	93J12	1985	3046	10	-123.582030	54.683260	462575	6059491	462476	6059701	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853047	93J12	1985	3047	10	-123.570580	54.652160	463285	6056025	463186	6056235	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853048	93J12	1985	3048	10	-123.618440	54.649090	460194	6055709	460095	6055919	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J853049	93J12	1985	3049	10	-123.600320	54.630130	461345	6053589	461246	6053799	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853050	93J12	1985	3050	10	-123.542840	54.639670	465064	6054621	464965	6054831	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853051	93J12	1985	3051	10	-123.508050	54.651850	467319	6055959	467220	6056169	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853052	93J10	1985	3052	10	-122.633960	54.730440	523671	6064647	523572	6064857	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J853053	93J10	1985	3053	10	-122.580210	54.748390	527120	6066664	527021	6066874	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853054	93J16	1985	3054	10	-122.421470	54.829830	537263	6075799	537164	6076009	SMRK	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853055	93J16	1985	3055	10	-122.421470	54.829830	537263	6075799	537164	6076009	SMRK	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853056	93J16	1985	3056	10	-122.351630	54.830360	541749	6075898	541650	6076107	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853057	93J16	1985	3057	10	-122.382030	54.810230	539816	6073639	539717	6073849	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	mtn+mature	Dendritic
93J853058	93J16	1985	3058	10	-122.351160	54.874730	541733	6080836	541634	6081044	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853059	93J16	1985	3059	10	-122.351140	54.885670	541723	6082055	541624	6082262	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853060	93J16	1985	3060	10	-122.317730	54.894550	543857	6083063	543758	6083270	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853062	93J16	1985	3062	10	-122.253760	54.915300	547934	6085416	547836	6085621	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	mtn+mature	Dendritic
93J853063	93J16	1985	3063	10	-122.245490	54.890950	548493	6082711	548395	6082917	SMRK	Sed+water	10	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853064	93J16	1985	3064	10	-122.245490	54.890950	548493	6082711	548395	6082917	SMRK	Sed+water	20	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853065	93J16	1985	3065	10	-122.268100	54.856370	547084	6078846	546985	6079054	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853066	93J16	1985	3066	10	-122.263740	54.853150	547368	6078491	547269	6078699	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853067	93J16	1985	3067	10	-122.184780	54.853010	552437	6078532	552338	6078739	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853068	93J16	1985	3068	10	-122.160560	54.829100	554024	6075890	553925	6076097	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853069	93J16	1985	3069	10	-122.153770	54.832420	554456	6076265	554357	6076472	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853070	93J16	1985	3070	10	-122.126550	54.885040	556130	6082142	556032	6082348	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853071	93J16	1985	3071	10	-122.121250	54.887390	556467	6082408	556369	6082614	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853072	93J16	1985	3072	10	-122.123230	54.922650	556291	6086331	556193	6086536	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853073	93J16	1985	3073	10	-122.166730	54.928620	553495	6086961	553397	6087166	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853074	93J16	1985	3074	10	-122.218300	54.886090	550243	6082190	550145	6082396	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853075	93J16	1985	3075	10	-122.163310	54.914450	553733	6085387	553635	6085592	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853076	93J16	1985	3076	10	-122.221360	54.929920	549993	6087065	549895	6087270	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853078	93J16	1985	3078	10	-122.262190	54.941130	547363	6088285	547265	6088490	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853079	93J16	1985	3079	10	-122.232840	54.929990	549257	6087065	549159	6087270	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853080	93J16	1985	3080	10	-122.308620	54.956670	544372	6089982	544274	6090188	PLLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853083	93J16	1985	3083	10	-122.308870	54.968240	544343	6091270	544245	6091476	PLLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853084	93J16	1985	3084	10	-122.263490	54.990890	547222	6093820	547124	6094026	PLLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853085	93J16	1985	3085	10	-122.263490	54.990890	547222	6093820	547124	6094026	PLLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853086	93J16	1985	3086	10	-122.177100	54.979410	552764	6092605	552666	6092810	SHLE	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853087	93J16	1985	3087	10	-122.115880	54.985800	556673	6093364	556575	6093569	SHLE	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853088	93J16	1985	3088	10	-122.102290	54.989980	557537	6093840	557439	6094045	SHLE	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853089	93J16	1985	3089	10	-122.071540	54.960350	559548	6090569	559450	6090774	SHLE	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853090	93J16	1985	3090	10	-122.053450	54.969960	560692	6091654	560594	6091859	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853091	93J16	1985	3091	10	-122.013770	54.964100	563241	6091037	563143	6091242	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853092	93J16	1985	3092	10	-122.051490	54.950780	560846	6089521	560748	6089726	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853093	93J16	1985	3093	10	-122.046570	54.916510	561213	6085712	561115	6085917	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853094	93J16	1985	3094	10	-122.024000	54.923970	562648	6086562	562550	6086767	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853095	93J09	1985	3095	10	-122.196640	54.730470	551832	6064885	551733	6065095	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853096	93J09	1985	3096	10	-122.127940	54.739770	556243	6065974	556144	6066183	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	mtn+mature	Dendritic
93J853097	93J16	1985	3097	10	-122.213820	54.772050	550674	6069500	550575	6069709	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853098	93J16	1985	3098	10	-122.190170	54.784030	552180	6070851	552081	6071060	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	mtn+mature	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J853099	93J11	1985	3099	10	-123.359510	54.566090	476854	6046356	476755	6046567	MSDM	Sed only	00	Unknown	Quaternary	Undefined	Hilly-undulating	Haphazard
93J853100	93J16	1985	3100	10	-122.035900	54.790540	562091	6071702	561992	6071910	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853102	93J16	1985	3102	10	-122.022710	54.792660	562936	6071949	562837	6072157	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853103	93J16	1985	3103	10	-122.085420	54.820660	558863	6075011	558764	6075218	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853104	93J16	1985	3104	10	-122.043940	54.853180	561478	6078666	561380	6078872	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853105	93J16	1985	3105	10	-122.045040	54.857980	561400	6079200	561302	6079406	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853106	93J16	1985	3106	10	-122.007530	54.837430	563840	6076945	563742	6077152	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853107	93J09	1985	3107	10	-122.085450	54.721650	559005	6063992	558906	6064201	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853108	93J09	1985	3108	10	-122.081990	54.725440	559222	6064417	559123	6064626	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853109	93J09	1985	3109	10	-122.020250	54.685680	563260	6060047	563161	6060256	SMRK	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853110	93J09	1985	3110	10	-122.020250	54.685680	563260	6060047	563161	6060256	SMRK	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853111	93J09	1985	3111	10	-122.055840	54.661000	561003	6057268	560904	6057478	SMRK	Sed+water	00	Groundwater	Quaternary	Intermittant	mtn+mature	Dendritic
93J853112	93J09	1985	3112	10	-122.123950	54.686520	556574	6060051	556475	6060261	SMRK	Sed only	00	Unknown	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853113	93J09	1985	3113	10	-122.011010	54.610930	563973	6051737	563874	6051947	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853114	93J09	1985	3114	10	-122.027010	54.596920	562961	6050164	562862	6050374	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853115	93J15	1985	3115	10	-122.849210	54.973520	509750	6091646	509652	6091855	TILL	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853116	93J15	1985	3116	10	-122.596630	54.978090	525916	6092221	525817	6092428	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853117	93J15	1985	3117	10	-122.547200	54.969350	529086	6091267	528987	6091474	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J853118	93J15	1985	3118	10	-122.568390	54.936240	527752	6087573	527653	6087782	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853119	93J15	1985	3119	10	-122.533000	54.938140	530018	6087800	529919	6088008	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853122	93J16	1985	3122	10	-122.485760	54.957160	533029	6089938	532930	6090145	PLLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853123	93J16	1985	3123	10	-122.471880	54.975750	533902	6092013	533803	6092220	PLLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853124	93J16	1985	3124	10	-122.416310	54.963250	537471	6090652	537372	6090858	PLLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853125	93J16	1985	3125	10	-122.432980	54.983420	536385	6092887	536286	6093093	PLLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853126	93J16	1985	3126	10	-122.425320	54.979220	536879	6092424	536780	6092630	PLLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853127	93J16	1985	3127	10	-122.408990	54.973430	537930	6091788	537831	6091994	PLLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853128	93J16	1985	3128	10	-122.408990	54.973430	537930	6091788	537831	6091994	PLLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853129	93J16	1985	3129	10	-122.467470	54.907900	534242	6084465	534143	6084673	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853130	93J16	1985	3130	10	-122.351520	54.790090	541797	6071416	541698	6071626	SMRK	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	mtn+mature	Dendritic
93J853131	93J16	1985	3131	10	-122.264260	54.806610	547389	6073311	547290	6073520	SMRK	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853132	93J16	1985	3132	10	-122.385120	54.761410	539665	6068205	539566	6068415	TILL	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	mtn+mature	Dendritic
93J853133	93J11	1985	3133	10	-123.442760	54.543700	471456	6043896	471357	6044107	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853134	93J11	1985	3134	10	-123.460370	54.526590	470304	6041999	470205	6042210	MSDM	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853136	93J11	1985	3136	10	-123.494150	54.509690	468105	6040134	468006	6040345	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853137	93J06	1985	3137	10	-123.495320	54.430380	467967	6031310	467868	6031521	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853138	93J06	1985	3138	10	-123.411820	54.401920	473365	6028108	473266	6028319	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853139	93J06	1985	3139	10	-123.309430	54.383870	480003	6026066	479904	6026277	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853140	93J06	1985	3140	10	-123.275730	54.386970	482193	6026401	482094	6026612	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853142	93J06	1985	3142	10	-123.228560	54.388130	485257	6026520	485158	6026731	ANDS	Sed only	00	Unknown	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853143	93J06	1985	3143	10	-123.168310	54.267150	489137	6013048	489038	6013259	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853144	93J06	1985	3144	10	-123.302060	54.268710	480427	6013250	480328	6013461	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853145	93J06	1985	3145	10	-123.361000	54.254300	476580	6011665	476481	6011876	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853146	93J06	1985	3146	10	-123.424220	54.256850	472463	6011972	472364	6012183	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853147	93J06	1985	3147	10	-123.406930	54.279850	473604	6014524	473505	6014735	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853149	93J06	1985	3149	10	-123.339070	54.287680	478027	6015372	477928	6015583	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853150	93J06	1985	3150	10	-123.327310	54.299460	478798	6016679	478699	6016890	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853151	93J06	1985	3151	10	-123.288200	54.317570	481352	6018683	481253	6018894	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853152	93J06	1985	3152	10	-123.262870	54.318680	483000	6018800	482901	6019011	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J853153	93J06	1985	3153	10	-123.234930	54.309340	484814	6017754	484715	6017965	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853154	93J06	1985	3154	10	-123.377310	54.347770	475573	6022070	475474	6022281	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853155	93J05	1985	3155	10	-123.524820	54.415270	466041	6029642	465942	6029853	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853156	93J05	1985	3156	10	-123.526770	54.436880	465932	6032048	465833	6032259	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J853157	93J05	1985	3157	10	-123.599080	54.447120	461252	6033225	461153	6033436	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853158	93J12	1985	3158	10	-123.718040	54.538650	453642	6043481	453543	6043692	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853159	93J12	1985	3159	10	-123.718040	54.538650	453642	6043481	453543	6043692	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853160	93J12	1985	3160	10	-123.726710	54.555210	453100	6045329	453001	6045540	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853162	93J12	1985	3162	10	-123.698400	54.565000	459492	6046400	454843	6046611	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853163	93J12	1985	3163	10	-123.756740	54.575170	451182	6047571	451083	6047782	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853164	93J12	1985	3164	10	-123.864970	54.568260	444177	6046883	444077	6047094	BSLT	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853165	93J12	1985	3165	10	-123.864970	54.568260	444177	6046883	444077	6047094	BSLT	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853166	93J12	1985	3166	10	-123.912710	54.575800	441102	6047761	441002	6047972	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853167	93J12	1985	3167	10	-123.919180	54.607080	440729	6051246	440629	6051457	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853168	93J12	1985	3168	10	-123.993480	54.589970	435903	6049408	435803	6049619	BSLT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853169	93J12	1985	3169	10	-123.974960	54.548750	437036	6044805	436936	6045016	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853170	93J12	1985	3170	10	-123.975310	54.532310	436988	6042977	436888	6043187	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853171	93J12	1985	3171	10	-123.976460	54.501150	436867	6039511	436766	6039721	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853172	93J12	1985	3172	10	-123.913370	54.511440	440967	6040601	440866	6040811	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Haphazard
93J853173	93J05	1985	3173	10	-123.786080	54.480800	449169	6037092	449069	6037302	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853174	93J05	1985	3174	10	-123.796010	54.439830	448474	6032541	448374	6032751	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Haphazard
93J853175	93J05	1985	3175	10	-123.653860	54.384450	457635	6026283	457536	6026494	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853176	93J05	1985	3176	10	-123.535360	54.373290	465321	6024977	465222	6025188	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853177	93J05	1985	3177	10	-123.571890	54.355570	462932	6023023	462833	6023234	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853178	93J05	1985	3178	10	-123.626610	54.343390	459364	6021699	459265	6021910	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853179	93J05	1985	3179	10	-123.725510	54.331110	452922	6020395	452822	6020605	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853182	93J05	1985	3182	10	-123.757420	54.370410	450895	6024789	450794	6024999	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853183	93J05	1985	3183	10	-123.797540	54.357440	448272	6023375	448171	6023585	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853184	93J05	1985	3184	10	-123.979020	54.381440	436516	6026194	436415	6026404	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853186	93J05	1985	3186	10	-123.986240	54.338590	435980	6021433	435879	6021643	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853187	93J05	1985	3187	10	-123.968020	54.329490	437151	6020404	437050	6020614	LMSN	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853188	93J05	1985	3188	10	-123.968020	54.329490	437151	6020404	437050	6020614	LMSN	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853189	93J05	1985	3189	10	-123.986630	54.308970	435909	6018139	435808	6018348	LMSN	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853190	93J05	1985	3190	10	-123.966530	54.284420	437179	6015389	437078	6015598	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853191	93J05	1985	3191	10	-123.926440	54.266640	439763	6013376	439662	6013585	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853192	93J05	1985	3192	10	-123.784220	54.297670	449064	6016715	448963	6016925	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853193	93J05	1985	3193	10	-123.629510	54.274230	459107	6014005	459008	6014216	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853194	93J05	1985	3194	10	-123.606210	54.299560	460648	6016810	460549	6017021	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853195	93J05	1985	3195	10	-123.601880	54.304770	460935	6017388	460836	6017599	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853196	93J05	1985	3196	10	-123.587340	54.275290	461854	6014099	461755	6014310	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853197	93J05	1985	3197	10	-123.551750	54.253250	464152	6011628	464053	6011839	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853198	93J05	1985	3198	10	-123.535270	54.271340	465241	6013633	465142	6013844	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853199	93J05	1985	3199	10	-123.523330	54.328960	466066	6020038	465967	6020249	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853200	93J05	1985	3200	10	-123.511380	54.455030	466945	6034060	466846	6034271	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853202	93J05	1985	3202	10	-123.564930	54.485040	463500	6037426	463401	6037637	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853203	93J12	1985	3203	10	-123.545520	54.513650	464782	6040599	464683	6040810	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853204	93J12	1985	3204	10	-123.569990	54.538760	463221	6043406	463122	6043617	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853205	93J12	1985	3205	10	-123.572870	54.551360	463046	6044809	462947	6045020	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853206	93J12	1985	3206	10	-123.600090	54.582840	461315	6048326	461216	6048537	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853207	93J12	1985	3207	10	-123.637090	54.589740	458931	6049115	458832	6049326	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853208	93J12	1985	3208	10	-123.626210	54.616190	459660	6052053	459561	6052263	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853209	93J12	1985	3209	10	-123.626210	54.616190	459660	6052053	459561	6052263	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853210	93J12	1985	3210	10	-123.559490	54.595170	463950	6049677	463851	6049888	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853211	93J11	1985	3211	10	-123.368500	54.523670	476248	6041640	476149	6041851	GRNG	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853212	93J11	1985	3212	10	-123.358390	54.519540	476900	6041176	476801	6041387	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853213	93J11	1985	3213	10	-123.313440	54.526090	479813	6041891	479714	6042102	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J853215	93J06	1985	3215	10	-123.299090	54.490470	480725	6037924	480626	6038135	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853216	93J06	1985	3216	10	-123.146590	54.485670	490602	6037359	490503	6037570	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853217	93J06	1985	3217	10	-123.119500	54.457000	492352	6034165	492253	6034376	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853218	93J07	1985	3218	10	-122.537860	54.475360	530046	6036301	529947	6036511	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853219	93J08	1985	3219	10	-122.454530	54.493290	535430	6038335	535331	6038545	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853220	93J08	1985	3220	10	-122.431860	54.445550	536941	6033034	536842	6033244	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853223	93J08	1985	3223	10	-122.392730	54.435020	539489	6031884	539390	6032094	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853224	93J08	1985	3224	10	-122.336600	54.429060	543136	6031253	543037	6031463	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853225	93J08	1985	3225	10	-122.298750	54.353290	545675	6022847	545576	6023057	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853226	93J01	1985	3226	10	-122.365560	54.207470	541480	6006580	541380	6006791	GRNG	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853227	93J01	1985	3227	10	-122.432230	54.136460	537195	5998642	537095	5998853	QZMZ	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853228	93J01	1985	3228	10	-122.432230	54.136460	537195	5998642	537095	5998853	QZMZ	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853229	93J02	1985	3229	10	-122.548300	54.161570	529594	6001382	529494	6001593	SNDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853230	93J02	1985	3230	10	-122.677290	54.113890	521196	5996030	521096	5996241	BSLT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853231	93J02	1985	3231	10	-122.688660	54.156020	520432	6000715	520332	6000926	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853232	93J02	1985	3232	10	-122.715290	54.173270	518685	6002626	518585	6002837	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853233	93J02	1985	3233	10	-122.740270	54.213390	517038	6007084	516938	6007295	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853234	93J02	1985	3234	10	-122.822670	54.175740	511675	6002878	511575	6003089	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853235	93J02	1985	3235	10	-122.934660	54.240700	504357	6010094	504258	6010305	BSLT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853236	93J02	1985	3236	10	-122.967210	54.117380	502242	5996371	502143	5996582	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853237	93J04	1985	3237	10	-123.792180	54.159200	448373	6001316	448272	6001525	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853238	93J04	1985	3238	10	-123.818620	54.159780	446647	6001400	446546	6001609	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853239	93J04	1985	3239	10	-123.834070	54.182950	445669	6003990	445568	6004198	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853240	93J04	1985	3240	10	-123.943130	54.142770	438492	5999608	438391	5999817	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853242	93J04	1985	3242	10	-123.920640	54.170200	440001	6002641	439900	6002850	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853243	93J04	1985	3243	10	-123.933150	54.204910	439235	6006514	439134	6006722	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853244	93J04	1985	3244	10	-123.803730	54.244200	447726	6010781	447625	6010990	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853245	93J04	1985	3245	10	-123.799500	54.241310	447998	6010457	447897	6010666	LMSN	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853246	93J04	1985	3246	10	-123.710560	54.209110	453757	6006810	453657	6007021	LMSN	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853247	93J04	1985	3247	10	-123.704530	54.245770	454191	6010885	454091	6011096	ANDS	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J853248	93J04	1985	3248	10	-123.595990	54.228870	461247	6008939	461148	6009150	ANDS	Sed+water	10	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853249	93J04	1985	3249	10	-123.595990	54.228870	461247	6008939	461148	6009150	ANDS	Sed+water	20	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853250	93J04	1985	3250	10	-123.548810	54.201450	464299	6005864	464200	6006075	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853251	93J03	1985	3251	10	-123.489860	54.185600	468133	6004072	468033	6004283	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853252	93J04	1985	3252	10	-123.517860	54.120850	466253	5996881	466153	5997092	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853253	93J04	1985	3253	10	-123.569180	54.110090	462889	5995709	462789	5995920	BSLT	Sed+water	00	Groundwater	Tertiary	Permanent+continuous	Hilly-undulating	Dendritic
93J853254	93J04	1985	3254	10	-123.521050	54.099740	466027	5994533	465927	5994744	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853255	93J03	1985	3255	10	-123.495080	54.091510	467719	5993605	467619	5993816	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853256	93J03	1985	3256	10	-123.464550	54.106960	469727	5995311	469627	5995522	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853257	93J03	1985	3257	10	-123.481900	54.068790	468564	5991072	468464	5991283	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853258	93J04	1985	3258	10	-123.552690	54.061840	463925	5990332	463825	5990543	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853260	93J04	1985	3260	10	-123.572370	54.080120	462654	5992376	462554	5992587	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853262	93J04	1985	3262	10	-123.595840	54.063120	461102	5990498	461002	5990709	CHRT	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853263	93J04	1985	3263	10	-123.613690	54.055560	459927	5989667	459827	5989878	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853264	93J04	1985	3264	10	-123.604070	54.036050	460538	5987490	460438	5987701	CHRT	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853265	93J04	1985	3265	10	-123.570270	54.035570	462751	5987419	462651	5987630	CHRT	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853266	93J03	1985	3266	10	-123.421150	54.042640	472522	5988137	472422	5988348	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853267	93J03	1985	3267	10	-123.397060	54.064390	474113	5990548	474013	5990759	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853269	93J03	1985	3269	10	-123.325910	54.088660	478782	5993224	478682	5993435	ANDS	Sed only	00	Unknown	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853270	93J03	1985	3270	10	-123.291200	54.086970	481052	5993026	480952	5993237	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853271	93J03	1985	3271	10	-123.314060	54.154870	479590	6000587	479490	6000798	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853272	93J03	1985	3272	10	-123.227410	54.155260	485248	6000609	485149	6000820	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

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MASTER_ID	MAP	YEAR	ID	UTMZ	LONGITUDE	LATITUDE	UTME_27	UTMN_27	UTME_83	UTMN_83	ROCK/SURF	SAMPLE	REP	STR_SOURCE	STR_ORDER	STR_TYPE	PHYSIOGRAPHY	STR_PATTERN
93J853273	93J03	1985	3273	10	-123.249730	54.187400	483803	6004190	483704	6004401	ANDS	Sed+water	00	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853274	93J03	1985	3274	10	-123.255650	54.217960	483429	6007592	483330	6007803	ANDS	Sed+water	10	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853275	93J03	1985	3275	10	-123.255650	54.217960	483429	6007592	483330	6007803	ANDS	Sed+water	20	Groundwater	Quaternary	Intermittant	Hilly-undulating	Dendritic
93J853276	93J03	1985	3276	10	-123.302370	54.200250	480374	6005633	480275	6005844	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853277	93J03	1985	3277	10	-123.336190	54.194460	478165	6004999	478066	6005210	ANDS	Sed+water	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853278	93J03	1985	3278	10	-123.403250	54.206370	473797	6006347	473698	6006558	ANDS	Sed only	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853279	93J03	1985	3279	10	-123.445780	54.235850	471044	6009644	470945	6009855	ANDS	Sed only	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic
93J853280	93J07	1985	3280	10	-122.788440	54.424630	513825	6030578	513726	6030789	GRNG	Sed only	00	Groundwater	Quaternary	Permanent+continuous	Hilly-undulating	Dendritic

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851002	Possible	1.5	0	Zero	Clear	Undef Unconsol	Featureless	310	Red+brown	None	407	-1.0	-1.00	-1	-1	70	0.1	1.23
93J851003	None	3.0	30	Moderate	Clear	Undef Unconsol	Featureless	311	Red+brown	Redbrown - black	407	8.0	0.22	42	-1	38	0.1	0.96
93J851004	Forestry Activity	3.0	30	Slow	Clear	Organic predom	Featureless	013	Black	None	407	7.1	0.02	36	-1	81	0.1	0.31
93J851005	None	3.0	20	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	407	8.0	0.11	34	-1	37	0.1	0.89
93J851006	None	3.0	20	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	407	8.0	0.09	34	-1	48	0.1	0.94
93J851007	Possible	2.0	10	Fast	Clear	Alluvial	Red+brown	310	Red+brown	None	407	7.6	0.11	32	-1	28	0.1	1.03
93J851008	Forestry Activity	0.4	10	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	707	8.2	0.10	44	-1	244	0.1	0.09
93J851009	Forestry Activity	0.2	10	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	707	7.7	0.02	60	-1	208	0.1	0.39
93J851010	Forestry Activity	3.0	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	013	Red+brown	None	707	7.4	0.02	52	-1	48	0.1	0.08
93J851011	Forestry Activity	2.0	40	Moderate	Clear	Alluvial	Featureless	220	Grey	None	707	8.1	0.13	42	-1	20	0.1	0.49
93J851012	Forestry Activity	1.0	20	Zero	Clear	Alluvial	Featureless	220	Grey	None	707	8.2	0.20	28	-1	82	0.1	1.36
93J851013	Possible	2.0	100	Moderate	Clear	Alluvial	Featureless	220	Green	None	707	8.4	0.20	34	-1	33	0.1	0.70
93J851014	Possible	4.0	90	Zero	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	707	8.3	0.07	34	-1	95	0.1	0.99
93J851016	Forestry Activity	3.0	50	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	707	8.0	0.07	34	-1	58	0.1	0.64
93J851017	Probable	0.6	30	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	707	8.3	0.15	40	-1	174	0.1	1.44
93J851018	Forestry Activity	0.8	50	Slow	Clear	Undef Unconsol	Featureless	030	Green	None	707	8.3	0.20	52	-1	84	0.1	1.02
93J851019	Forestry Activity	3.0	20	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1507	7.9	0.25	48	-1	95	0.1	1.22
93J851020	None	0.0	0	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	Redbrown - black	1507	7.0	0.02	36	-1	284	0.1	2.20
93J851022	None	3.0	100	Slow	Brn Cloudy	Organic predom	Featureless	022	Black	Redbrown - black	1507	7.5	0.02	36	-1	158	0.1	0.84
93J851023	Forestry Activity	0.0	0	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1507	7.2	0.02	38	-1	105	0.1	1.40
93J851024	None	2.5	50	Moderate	Clear	Organic predom	Featureless	220	Red+brown	None	1507	7.4	0.02	30	-1	95	0.1	1.57
93J851025	Possible	3.0	40	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	1707	7.0	0.02	32	-1	172	0.1	2.18
93J851026	Forestry Activity	3.0	40	Zero	Clear	Undef Unconsol	Red+brown	030	Grey	Redbrown - black	1707	6.5	0.02	40	-1	88	0.1	1.48
93J851027	Forestry Activity	3.5	40	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1707	7.2	0.02	42	-1	98	0.1	1.20
93J851028	Possible	3.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	031	Grey	None	1707	6.7	0.02	52	-1	163	0.1	2.37
93J851029	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	1707	-1.0	-1.00	-1	-1	465	0.1	3.79
93J851030	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1707	-1.0	-1.00	-1	-1	116	0.1	1.95
93J851031	None	2.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	031	Grey	None	1707	7.1	0.02	34	-1	77	0.1	2.90
93J851032	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	1907	-1.0	-1.00	-1	-1	429	0.1	2.44
93J851033	None	0.5	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	031	Black	None	1907	6.3	0.02	74	-1	184	0.1	1.90
93J851034	None	4.0	20	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	2007	7.7	0.20	58	-1	116	0.1	1.69
93J851035	None	0.1	30	Slow	Brn transparent	Undef Unconsol	Featureless	022	Grey	None	2007	7.1	0.02	66	-1	134	0.1	1.80
93J851036	None	0.1	30	Slow	Brn transparent	Undef Unconsol	Featureless	022	Grey	None	2007	7.1	0.02	68	-1	140	0.1	1.80
93J851037	Agriculture	3.5	120	Slow	Brn transparent	Undef Unconsol	Featureless	030	Black	None	2007	7.1	0.02	86	-1	63	0.1	1.03
93J851038	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2007	-1.0	-1.00	-1	-1	112	0.1	1.06
93J851039	Forestry Activity	0.6	20	Slow	Brn transparent	Undef Unconsol	Featureless	220	Black	Redbrown - black	2007	7.0	0.09	68	-1	98	0.1	1.28
93J851043	Forestry Activity	2.5	30	Slow	Clear	Undef Unconsol	Featureless	022	Black	Black	2107	7.3	0.02	50	-1	386	0.1	0.90
93J851044	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Buff to brown	None	2107	-1.0	-1.00	-1	-1	48	0.1	0.95
93J851045	Possible	2.0	10	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2107	7.7	0.64	90	-1	82	0.1	1.52
93J851046	Forestry Activity	1.5	30	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	2107	8.3	1.35	80	-1	152	0.1	1.68
93J851047	Industrial srces	1.0	10	Zero	Clear	Undef Unconsol	Featureless	022	Black	Black	2107	7.2	0.02	42	-1	153	0.1	1.28
93J851048	Forestry Activity	1.5	30	Slow	Brn transparent	Undef Unconsol	Featureless	310	Red+brown	None	2107	7.8	0.02	46	-1	63	0.1	1.24
93J851049	Forestry Activity	1.0	20	Slow	Clear	Undef Unconsol	Featureless	022	Black	Black	2107	7.1	0.02	38	-1	221	0.1	2.05
93J851050	Forestry Activity	0.8	10	Slow	Clear	Undef Unconsol	Featureless	030	Black	Black	2107	7.2	0.02	50	-1	546	0.1	2.86
93J851051	None	1.5	40	Slow	Clear	Undef Unconsol	Featureless	022	Grey	None	2207	7.6	0.02	86	-1	441	0.1	2.60
93J851052	None	1.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	013	Black	Black	2207	7.0	0.05	50	-1	139	0.1	0.78
93J851053	Possible	1.0	10	Slow	Brn Cloudy	Undef Unconsol	Featureless	220	Buff to brown	None	2207	6.9	0.02	78	-1	79	0.1	1.60
93J851054	None	1.5	40	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	2307	7.5	0.09	140	-1	167	0.1	2.53
93J851055	None	2.5	20	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	2307	7.1	0.02	60	-1	95	0.1	1.19
93J851056	Forestry Activity	2.0	30	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2307	8.1	0.14	70	-1	79	0.1	1.17
93J851057	Forestry Activity	2.0	30	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2307	7.5	0.11	74	-1	93	0.1	1.26
93J851058	Possible	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	022	Grey	None	2307	6.7	0.06	64	-1	141	0.1	1.78

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851059	Possible	1.5	10	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	2307	6.9	0.02	54	-1	263	0.1	1.56
93J851060	None	2.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	022	Grey	None	2307	6.8	0.02	40	-1	193	0.1	2.03
93J851062	None	2.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	320	Red+brown	None	2307	8.0	0.21	64	-1	71	0.1	0.98
93J851063	None	0.0	0	Slow	Brn transparent	Undef Unconsol	Featureless	030	Black	None	2407	7.9	0.02	66	-1	38	0.1	0.86
93J851064	None	3.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	310	Red+brown	None	2407	7.5	0.02	48	-1	65	0.1	1.25
93J851065	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	2407	-1.0	-1.00	-1	-1	398	0.1	2.29
93J851066	None	2.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	022	Black	None	2407	7.3	0.02	50	-1	81	0.1	1.02
93J851067	None	2.0	40	Slow	Clear	Organic predom	Featureless	022	Black	None	2407	7.2	0.02	78	-1	522	0.1	2.54
93J851068	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	121	Red+brown	None	2407	7.6	0.02	60	-1	83	0.1	0.83
93J851069	Possible	1.6	120	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	2807	7.4	0.02	54	-1	97	0.1	1.67
93J851070	Forestry Activity	0.5	20	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	2807	7.6	0.02	42	-1	145	0.1	2.47
93J851071	Forestry Activity	1.0	60	Zero	Brn Cloudy	Undef Unconsol	Featureless	031	Grey	None	2807	7.0	0.02	50	-1	144	0.1	2.49
93J851073	Possible	2.0	60	Slow	Brn Cloudy	Alluvial	Featureless	022	Grey	None	2807	7.3	0.07	74	-1	96	0.1	1.62
93J851074	Definite	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	2807	-1.0	-1.00	-1	-1	67	0.1	1.06
93J851075	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	2807	-1.0	-1.00	-1	-1	49	0.1	0.89
93J851076	Possible	0.0	0	Zero	Clear	Alluvial	Featureless	211	Grey	None	2807	-1.0	-1.00	-1	-1	373	0.1	1.62
93J851077	Possible	0.5	30	Slow	Clear	Undef Unconsol	Featureless	210	Grey	None	3007	7.8	1.10	100	-1	101	0.1	1.31
93J851078	Possible	0.3	20	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	3007	8.3	5.50	210	-1	88	0.1	0.70
93J851079	Possible	0.3	20	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	3007	8.4	5.20	200	-1	97	0.1	0.78
93J851080	Agriculture	1.0	40	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	3007	7.7	0.06	34	-1	48	0.1	0.88
93J851082	Possible	0.0	0	Zero	Clear	Alluvial	Featureless	030	Grey	None	300	-1.0	-1.00	-1	-1	203	0.1	2.66
93J851083	Agriculture	1.0	100	Slow	Clear	Undef Unconsol	Featureless	021	Grey	None	3007	7.6	0.02	76	-1	153	0.1	1.16
93J851084	None	0.8	20	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	108	7.5	0.16	100	-1	104	0.1	0.95
93J851085	Agriculture	1.2	30	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	108	7.7	0.02	36	-1	46	0.1	0.86
93J851086	Forestry Activity	0.6	30	Slow	Brn Cloudy	Undef Unconsol	Featureless	013	Red+brown	None	1608	7.0	0.02	58	-1	125	0.1	1.21
93J851087	Forestry Activity	1.2	50	Moderate	Clear	Undef Unconsol	Featureless	210	Grey	None	1608	8.0	0.25	34	-1	37	0.1	0.83
93J851088	Possible	1.4	60	Moderate	Clear	Colluvial	Featureless	210	Grey	None	1608	8.0	0.30	34	-1	51	0.1	1.07
93J851089	Possible	0.4	20	Moderate	Clear	Glacial Till/Tillite	Featureless	310	Grey	None	1608	8.1	0.34	32	-1	67	0.1	1.21
93J851090	Possible	0.3	10	Slow	Clear	Undef Unconsol	Featureless	012	Grey	None	1608	7.5	0.11	38	-1	299	0.1	0.94
93J851091	Possible	0.3	20	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1708	7.4	0.07	46	-1	349	0.1	0.82
93J851092	Possible	0.3	10	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1708	7.5	0.02	42	-1	287	0.1	0.78
93J851093	Definite	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	1708	-1.0	-1.00	-1	-1	140	0.1	1.73
93J851095	Probable	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	1708	-1.0	-1.00	-1	-1	518	0.1	3.31
93J851096	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1808	-1.0	-1.00	-1	-1	82	0.1	0.97
93J851097	Possible	0.5	30	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1808	7.8	0.09	46	-1	40	0.1	0.60
93J851098	Possible	0.5	30	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1808	7.9	0.09	44	-1	42	0.1	0.73
93J851099	Possible	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1808	7.4	0.02	44	-1	74	0.1	0.89
93J851100	Possible	1.0	60	Slow	Clear	Undef Unconsol	Featureless	013	Grey	None	1808	7.3	0.06	230	-1	61	0.1	0.75
93J851102	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	1808	-1.0	-1.00	-1	-1	112	0.1	1.27
93J851103	Possible	3.0	200	Slow	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	1908	7.1	0.02	130	-1	136	0.1	2.26
93J851104	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1908	-1.0	-1.00	-1	-1	101	0.1	1.04
93J851105	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	1908	-1.0	-1.00	-1	-1	59	0.1	0.77
93J851106	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1908	-1.0	-1.00	-1	-1	54	0.1	1.20
93J851107	Probable	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1908	-1.0	-1.00	-1	-1	46	0.1	0.76
93J851108	Possible	1.0	30	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	2108	7.0	0.02	94	-1	139	0.1	1.78
93J851109	Possible	0.5	10	Zero	Brn transparent	Undef Unconsol	Featureless	121	Grey	None	2108	6.6	0.02	52	-1	87	0.1	1.44
93J851110	Forestry Activity	2.5	80	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	2108	7.8	0.08	66	-1	78	0.1	1.21
93J851111	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	2108	-1.0	-1.00	-1	-1	112	0.1	1.23
93J851112	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2108	-1.0	-1.00	-1	-1	414	0.1	2.03
93J851113	Probable	1.0	40	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	2108	7.6	0.17	120	-1	89	0.1	1.15
93J851115	Probable	0.5	30	Zero	Brn Cloudy	Undef Unconsol	Featureless	120	Grey	None	2108	7.6	0.18	120	-1	110	0.1	1.18
93J851116	Forestry Activity	1.0	20	Zero	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	2208	7.3	0.02	68	-1	260	0.1	2.12

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851117	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2208	-1.0	-1.00	-1	-1	763	0.2	4.23
93J851118	Agriculture	0.6	20	Zero	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	2208	6.0	0.06	48	-1	103	0.1	1.68
93J851119	Agriculture	0.6	30	Slow	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	2208	5.8	0.02	56	-1	138	0.1	1.58
93J851120	Agriculture	0.6	30	Slow	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	2208	6.2	0.10	86	-1	171	0.1	2.47
93J851122	Agriculture	1.5	40	Zero	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	2208	7.4	0.12	120	-1	164	0.1	1.59
93J851123	Forestry Activity	1.5	80	Slow	Brn transparent	Undef Unconsol	Featureless	121	Red+brown	None	2208	7.1	0.08	94	-1	95	0.1	1.09
93J851124	Agriculture	0.6	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2208	7.7	0.21	130	-1	96	0.1	0.96
93J851125	Agriculture	1.0	40	Moderate	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2208	8.0	1.50	140	-1	29	0.1	0.60
93J851126	Agriculture	0.6	20	Slow	Clear	Undef Unconsol	Featureless	121	Grey	None	2208	8.2	1.40	190	-1	93	0.1	0.85
93J851127	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	021	Grey	None	2208	-1.0	-1.00	-1	-1	187	0.1	1.53
93J851128	Possible	0.5	30	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	2308	8.0	0.75	88	-1	67	0.1	1.03
93J851129	Possible	0.2	10	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	2308	7.2	0.10	60	-1	78	0.1	0.94
93J851130	Possible	2.0	100	Slow	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	2408	7.5	0.29	62	-1	313	0.1	1.07
93J851131	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	2408	-1.0	-1.00	-1	-1	187	0.1	1.77
93J851132	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	White+buff	None	2408	-1.0	-1.00	-1	-1	84	0.1	1.29
93J851133	None	3.0	100	Slow	Brn transparent	Glacial Till/Tillite	Featureless	013	Red+brown	None	2408	7.0	0.02	66	-1	183	0.1	0.99
93J851134	None	0.5	10	Slow	Clear	Undef Unconsol	Featureless	310	Grey	None	2408	7.6	0.50	56	-1	128	0.1	1.13
93J851135	None	0.3	10	Slow	Clear	Undef Unconsol	Featureless	121	Grey	None	2408	7.6	0.30	52	-1	26	0.1	0.51
93J851136	None	0.3	10	Slow	Clear	Undef Unconsol	Featureless	121	Grey	None	2408	7.5	0.22	54	-1	24	0.1	0.51
93J851138	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	2408	-1.0	-1.00	-1	-1	169	0.1	1.08
93J851139	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	021	Grey	None	2408	-1.0	-1.00	-1	-1	73	0.1	1.16
93J851140	Possible	2.5	10	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	2408	7.8	0.28	56	-1	173	0.1	1.16
93J851142	Possible	0.5	20	Slow	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	2508	7.2	0.02	42	-1	45	0.1	1.04
93J851143	Possible	2.0	100	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2508	7.6	0.02	52	-1	164	0.1	0.47
93J851144	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	2508	-1.0	-1.00	-1	-1	112	0.1	1.04
93J851145	None	2.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	220	White+buff	None	2508	7.3	0.07	44	-1	52	0.1	0.59
93J851146	None	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	2508	7.1	0.02	40	-1	67	0.1	0.78
93J851147	Possible	1.5	40	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2808	7.6	0.18	48	-1	45	0.1	1.15
93J851148	None	0.4	20	Moderate	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2808	7.5	0.02	56	-1	43	0.1	1.43
93J851149	Possible	1.0	20	Slow	Clear	Glacial Till/Tillite	Red+brown	130	Red+brown	None	2808	7.0	0.02	41	-1	32	0.1	0.93
93J851151	Possible	1.0	50	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	2808	7.0	0.02	48	-1	49	0.1	0.95
93J851152	Possible	1.0	50	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	2808	7.5	0.10	50	-1	31	0.1	0.85
93J851153	Possible	0.4	20	Moderate	Clear	Undef Unconsol	Featureless	021	Red+brown	None	2808	7.7	0.05	38	-1	53	0.1	1.06
93J851154	Possible	1.5	40	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2808	8.0	0.40	46	-1	47	0.1	1.17
93J851155	Possible	1.0	40	Slow	Brn transparent	Undef Unconsol	Featureless	121	Grey	None	409	6.4	0.02	44	-1	50	0.1	1.31
93J851156	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	409	-1.0	-1.00	-1	-1	39	0.1	0.94
93J851157	Forestry Activity	3.0	100	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	409	6.8	0.02	70	-1	71	0.1	0.23
93J851158	None	1.0	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	013	Red+brown	None	709	6.2	0.02	54	-1	400	0.1	0.65
93J851159	None	4.0	100	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	7.0	0.02	62	-1	70	0.1	0.57
93J851160	None	1.0	50	Slow	Clear	Undef Unconsol	Featureless	022	Red+brown	None	709	6.2	0.02	40	-1	222	0.1	1.06
93J851162	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	709	-1.0	-1.00	-1	-1	63	0.1	0.91
93J851164	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	709	-1.0	-1.00	-1	-1	115	0.1	1.11
93J851165	None	4.0	200	Slow	Brn transparent	Undef Unconsol	Featureless	013	Red+brown	None	709	6.3	0.02	36	-1	209	0.1	0.58
93J851166	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Red+brown	None	709	-1.0	-1.00	-1	-1	108	0.1	0.53
93J851167	None	3.0	150	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	5.9	0.02	26	-1	161	0.1	0.75
93J851168	None	2.0	150	Slow	Brn transparent	Undef Unconsol	Featureless	013	Red+brown	None	709	6.7	0.02	40	-1	135	0.1	0.45
93J851169	None	2.0	50	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	7.1	0.38	50	-1	275	0.1	1.31
93J851170	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	-1.0	-1.00	-1	-1	740	0.1	2.32
93J851171	None	1.0	80	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	709	7.5	0.12	44	-1	177	0.1	1.58
93J851172	None	1.5	100	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	709	7.8	0.21	42	-1	187	0.1	1.35
93J851173	None	0.6	60	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	6.8	0.02	52	-1	79	0.1	0.41
93J851174	None	5.0	200	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	7.3	0.02	38	-1	77	0.1	0.63

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851175	None	2.0	100	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	7.0	0.02	30	-1	252	0.1	0.81
93J851176	None	1.0	60	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	709	6.6	0.02	30	-1	193	0.1	1.32
93J851177	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	-1.0	-1.00	-1	-1	107	0.1	0.16
93J851178	None	0.5	30	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	709	6.7	0.02	30	-1	385	0.1	1.21
93J851179	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	111	Grey	None	1409	6.9	0.02	30	-1	352	0.1	1.35
93J851180	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	111	Grey	None	1409	6.7	0.02	30	-1	330	0.1	1.38
93J851182	None	4.5	150	Zero	Brn transparent	Undef Unconsol	Featureless	013	Red+brown	None	709	6.3	0.02	46	-1	93	0.1	0.30
93J851183	None	2.0	60	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1409	6.4	0.06	30	-1	347	0.1	1.91
93J851184	None	4.0	40	Slow	Clear	Undef Unconsol	Featureless	031	Black	None	1409	7.4	0.18	40	-1	164	0.1	1.12
93J851185	None	2.5	30	Moderate	Clear	Undef Unconsol	Featureless	120	Grey	None	1409	7.4	0.15	40	-1	134	0.1	0.95
93J851186	None	1.0	20	Moderate	Clear	Undef Unconsol	Featureless	120	Grey	None	1409	7.2	0.02	32	-1	205	0.1	1.29
93J851187	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Black	None	1409	-1.0	-1.00	-1	-1	421	0.1	1.39
93J851188	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	1409	7.2	0.02	32	-1	192	0.1	1.41
93J851189	None	1.0	40	Slow	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	1409	7.3	0.08	50	-1	102	0.1	1.08
93J851190	None	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	120	Grey	None	1409	7.4	0.07	44	-1	132	0.1	1.26
93J851192	None	2.5	40	Slow	Clear	Undef Unconsol	Featureless	121	Grey	None	1409	7.0	0.02	40	-1	175	0.1	1.13
93J851193	None	1.5	40	Slow	Brn transparent	Undef Unconsol	Featureless	012	Black	None	1409	6.9	0.02	40	-1	169	0.1	0.53
93J851194	None	1.5	40	Slow	Brn transparent	Undef Unconsol	Featureless	012	Black	None	1409	7.0	0.02	40	-1	173	0.1	0.56
93J851195	None	1.0	40	Slow	Brn transparent	Undef Unconsol	Featureless	121	Grey	None	1409	7.2	0.64	30	-1	269	0.1	0.98
93J851196	None	0.5	20	Slow	Brn transparent	Undef Unconsol	Featureless	021	Black	None	1409	5.8	0.22	38	-1	270	0.1	0.59
93J851197	None	1.1	40	Slow	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1409	7.1	0.46	30	-1	364	0.1	1.08
93J851198	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1409	6.8	0.02	32	-1	405	0.1	1.50
93J851199	None	1.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	Black	None	1409	7.7	0.18	44	-1	445	0.1	1.53
93J851200	None	0.4	20	Slow	Clear	Undef Unconsol	Featureless	003	Red+brown	None	1409	6.6	0.18	48	-1	474	0.1	1.16
93J851202	None	0.5	20	Fast	Clear	Undef Unconsol	Featureless	310	Red+brown	None	407	8.3	0.20	36	-1	66	0.1	0.66
93J851203	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	310	Black	None	407	-1.0	-1.00	-1	-1	112	0.1	0.63
93J851204	Probable	0.0	0	Zero	Clear	Undef Unconsol	Featureless	310	White+buff	None	407	-1.0	-1.00	-1	-1	59	0.1	1.02
93J851205	Forestry Activity	4.0	30	Fast	Clear	Glacial Till/Tillite	Featureless	220	White+buff	None	507	7.0	0.02	28	-1	21	0.1	0.76
93J851206	Forestry Activity	5.0	70	Fast	Clear	Alluvial	Featureless	220	White+buff	None	507	6.6	0.02	26	-1	26	0.1	1.61
93J851207	Possible	1.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	220	White+buff	None	507	6.2	0.02	22	-1	39	0.1	1.43
93J851208	Forestry Activity	2.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	220	White+buff	Redbrown - black	507	6.7	0.02	28	-1	39	0.1	1.56
93J851209	Possible	4.5	50	Moderate	Clear	Alluvial	Featureless	210	White+buff	Redbrown - black	507	6.7	0.02	26	-1	23	0.1	1.00
93J851210	Possible	3.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	310	White+buff	Redbrown - black	507	7.0	0.02	34	-1	42	0.1	1.32
93J851212	Possible	2.0	20	Fast	Clear	Glacial Till/Tillite	Featureless	310	White+buff	Redbrown - black	507	7.2	0.02	34	-1	44	0.1	1.19
93J851213	Possible	2.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	220	White+buff	Redbrown - black	507	7.8	0.18	42	-1	26	0.1	0.98
93J851214	Possible	2.0	20	Slow	Clear	Alluvial	Featureless	310	Red+brown	Redbrown - black	507	8.0	0.18	44	-1	54	0.1	1.24
93J851215	Possible	2.5	20	Moderate	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	507	8.0	0.27	42	-1	23	0.1	1.05
93J851216	Possible	2.5	20	Moderate	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	507	7.9	0.25	40	-1	17	0.1	0.87
93J851217	Possible	3.5	50	Fast	Clear	Undef Unconsol	Featureless	310	Red+brown	None	507	7.5	0.13	30	-1	29	0.1	1.12
93J851218	Forestry Activity	1.0	10	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	507	7.9	0.02	28	-1	94	0.1	1.53
93J851219	Forestry Activity	1.2	30	Moderate	Clear	Undef Unconsol	Featureless	310	White+buff	Redbrown - black	507	7.8	0.05	32	-1	49	0.1	0.71
93J851220	Forestry Activity	1.0	20	Zero	Clear	Undef Unconsol	Featureless	220	White+buff	Redbrown - black	507	7.6	0.02	48	-1	77	0.2	0.93
93J851222	Forestry Activity	2.5	20	Moderate	Clear	Undef Unconsol	Featureless	310	Red+brown	None	507	8.1	0.16	28	-1	51	0.1	0.87
93J851223	Possible	1.0	40	Zero	Clear	Undef Unconsol	Featureless	320	White+buff	None	607	8.0	0.30	42	-1	129	0.1	0.76
93J851224	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	320	White+buff	None	607	-1.0	-1.00	-1	-1	62	0.1	0.66
93J851225	None	0.8	10	Slow	Clear	Undef Unconsol	Featureless	310	White+buff	None	607	8.2	0.33	42	-1	96	0.1	0.59
93J851226	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	310	White+buff	None	607	8.3	0.30	46	-1	87	0.1	0.52
93J851227	Possible	1.5	30	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	607	8.0	0.14	44	-1	89	0.1	0.53
93J851229	Possible	2.5	40	Moderate	Clear	Undef Unconsol	Featureless	310	White+buff	None	607	7.9	0.20	46	-1	154	0.1	0.66
93J851230	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	310	White+buff	None	607	-1.0	-1.00	-1	-1	84	0.1	0.81
93J851231	None	3.0	20	Moderate	Clear	Undef Unconsol	Featureless	130	White+buff	None	607	8.1	0.11	38	-1	88	0.1	0.62
93J851232	None	2.0	20	Slow	Clear	Undef Unconsol	Featureless	130	White+buff	None	607	8.3	0.18	32	-1	33	0.1	1.48

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851233	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	607	-1.0	-1.00	-1	-1	33	0.1	1.10
93J851234	Forestry Activity	3.5	20	Moderate	Clear	Alluvial	Featureless	310	White+buff	Redbrown - black	707	7.9	0.12	26	-1	36	0.1	1.09
93J851235	Forestry Activity	3.5	20	Moderate	Clear	Alluvial	Featureless	310	White+buff	Redbrown - black	707	7.9	0.14	28	-1	39	0.1	1.12
93J851236	Possible	1.5	30	Slow	Clear	Undef Unconsol	Featureless	220	White+buff	None	707	7.8	0.15	34	-1	41	0.1	0.83
93J851237	None	4.0	150	Moderate	Clear	Glacial Till/Tillite	Featureless	220	White+buff	None	707	7.3	0.05	30	-1	21	0.1	0.98
93J851238	Possible	1.0	10	Zero	Brn transparent	Undef Unconsol	Featureless	310	Red+brown	None	707	7.5	0.02	32	-1	68	0.1	1.27
93J851239	Possible	1.0	10	Zero	Brn transparent	Undef Unconsol	Featureless	320	White+buff	Redbrown - black	707	6.8	0.06	40	-1	72	0.1	1.26
93J851240	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	130	White+buff	None	707	-1.0	-1.00	-1	-1	99	0.1	1.49
93J851242	Possible	1.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	131	Black	Redbrown - black	707	6.9	0.02	28	-1	168	0.1	1.41
93J851243	Possible	4.5	200	Slow	Clear	Undef Unconsol	Featureless	210	Grey	None	807	7.9	0.21	44	-1	82	0.1	0.64
93J851244	Possible	1.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	210	Grey	Redbrown - black	807	7.7	0.08	42	-1	369	0.1	1.05
93J851245	Possible	0.5	10	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	807	8.1	0.11	48	-1	90	0.1	0.72
93J851246	Forestry Activity	0.4	10	Slow	Clear	Undef Unconsol	Featureless	120	Grey	Redbrown - black	807	8.2	0.02	38	-1	66	0.1	1.28
93J851247	Forestry Activity	1.5	20	Zero	Brn transparent	Undef Unconsol	Featureless	120	White+buff	Redbrown - black	807	8.0	0.02	38	-1	98	0.1	1.22
93J851248	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	807	-1.0	-1.00	-1	-1	104	0.1	0.88
93J851249	Possible	2.0	30	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	Redbrown - black	807	8.0	0.15	50	-1	102	0.1	0.64
93J851250	None	1.0	20	Moderate	Clear	Undef Unconsol	Featureless	120	White+buff	None	907	8.1	0.20	62	-1	40	0.1	0.75
93J851251	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	1107	-1.0	-1.00	-1	-1	52	0.1	0.44
93J851252	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1107	-1.0	-1.00	-1	-1	115	0.1	1.29
93J851254	None	1.0	100	Zero	Brn transparent	Undef Unconsol	Featureless	121	White+buff	Redbrown - black	1107	7.2	0.02	38	-1	63	0.1	0.96
93J851255	None	0.1	10	Zero	Clear	Undef Unconsol	Featureless	220	White+buff	None	1107	6.8	0.05	28	-1	143	0.1	1.06
93J851256	Possible	3.5	20	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	1207	7.9	0.07	50	-1	69	0.1	1.03
93J851257	None	2.0	100	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	1207	7.8	0.21	52	-1	172	0.1	1.56
93J851258	None	2.0	100	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	1207	7.4	0.18	50	-1	207	0.1	1.64
93J851259	Possible	1.0	50	Slow	Clear	Undef Unconsol	Featureless	211	White+buff	None	1207	7.4	0.02	50	-1	29	0.1	0.62
93J851260	Possible	0.5	10	Zero	Brn transparent	Undef Unconsol	Featureless	210	Red+brown	None	1207	6.9	0.02	36	-1	280	0.1	2.13
93J851262	Possible	1.0	20	Zero	Clear	Undef Unconsol	Featureless	211	White+buff	None	1207	7.0	0.02	38	-1	63	0.1	0.96
93J851263	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	1207	-1.0	-1.00	-1	-1	102	0.1	1.27
93J851264	Possible	0.5	10	Zero	Clear	Undef Unconsol	Featureless	120	Black	None	1207	7.3	0.02	42	-1	298	0.1	1.71
93J851265	Possible	1.0	30	Slow	Clear	Undef Unconsol	Featureless	120	White+buff	None	1207	7.4	0.02	40	-1	77	0.1	1.60
93J851266	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	White+buff	None	1207	-1.0	-1.00	-1	-1	119	0.1	1.39
93J851267	None	0.1	10	Zero	Clear	Undef Unconsol	Featureless	120	Buff to brown	None	1307	7.5	0.02	42	-1	250	0.1	1.27
93J851268	None	0.1	10	Zero	Clear	Undef Unconsol	Featureless	121	Red+brown	None	1307	6.9	0.02	38	-1	804	0.6	3.42
93J851269	Forestry Activity	1.5	20	Slow	Clear	Undef Unconsol	Featureless	210	White+buff	None	1307	8.2	0.24	54	-1	167	0.1	1.30
93J851270	None	1.5	30	Moderate	Clear	Undef Unconsol	Featureless	120	White+buff	None	1607	8.0	0.15	52	-1	103	0.1	1.01
93J851271	Possible	2.0	20	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	1607	8.4	0.15	50	-1	72	0.1	0.88
93J851272	Forestry Activity	1.5	50	Zero	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1607	7.9	0.18	48	-1	85	0.1	0.93
93J851273	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1707	-1.0	-1.00	-1	-1	53	0.1	0.91
93J851274	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	Red+brown	None	1707	-1.0	-1.00	-1	-1	61	0.1	0.78
93J851275	Possible	1.5	100	Zero	Clear	Undef Unconsol	Featureless	121	White+buff	None	1707	6.8	0.02	34	-1	184	0.1	1.13
93J851277	None	0.5	10	Zero	Brn transparent	Glacial Till/Tillite	Featureless	120	White+buff	None	1707	6.1	0.02	38	-1	105	0.1	1.39
93J851278	None	0.5	10	Zero	Brn transparent	Glacial Till/Tillite	Featureless	120	White+buff	None	1707	5.8	0.02	32	-1	90	0.1	1.24
93J851279	None	0.1	10	Zero	Brn transparent	Glacial Till/Tillite	Featureless	120	White+buff	None	1707	7.5	0.05	28	-1	113	0.1	1.43
93J851280	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	1707	-1.0	-1.00	-1	-1	37	0.1	0.59
93J851282	None	1.0	10	Moderate	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1707	7.5	0.25	40	-1	56	0.1	0.78
93J851283	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	1707	-1.0	-1.00	-1	-1	35	0.1	0.60
93J851284	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	1707	-1.0	-1.00	-1	-1	23	0.1	0.47
93J851285	Forestry Activity	0.2	20	Zero	Clear	Undef Unconsol	Featureless	120	White+buff	None	1807	7.7	0.07	30	-1	39	0.1	1.67
93J851286	Forestry Activity	1.5	10	Moderate	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	1807	7.8	0.13	40	-1	12	0.1	0.52
93J851287	Possible	1.5	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	White+buff	None	1807	7.7	0.08	50	-1	48	0.1	0.53
93J851288	Possible	1.0	10	Slow	Clear	Undef Unconsol	Featureless	210	White+buff	None	1807	7.7	0.10	52	-1	48	0.1	0.69
93J851289	Forestry Activity	1.5	10	Fast	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	1807	7.7	0.08	42	-1	46	0.1	1.14

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851290	Forestry Activity	0.5	10	Zero	Brn transparent	Undef Unconsol	Featureless	121	Grey	None	2107	7.2	0.02	54	-1	67	0.1	1.28
93J851291	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	2107	-1.0	-1.00	-1	-1	435	0.1	1.06
93J851292	Forestry Activity	1.1	20	Slow	Clear	Undef Unconsol	Featureless	211	Red+brown	None	2407	8.1	0.95	80	-1	97	0.1	1.39
93J851294	None	0.5	10	Zero	Brn transparent	Undef Unconsol	Featureless	121	White+buff	None	2407	6.9	0.02	64	-1	134	0.1	1.77
93J851295	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Red+brown	None	2407	-1.0	-1.00	-1	-1	56	0.1	1.06
93J851296	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	2407	-1.0	-1.00	-1	-1	54	0.1	1.09
93J851297	Forestry Activity	0.5	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	121	Grey	None	2407	7.0	0.02	48	-1	55	0.2	1.28
93J851298	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	2407	-1.0	-1.00	-1	-1	63	0.1	1.11
93J851299	None	2.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	2407	7.0	0.02	62	-1	80	0.1	1.20
93J851300	None	2.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	2407	7.0	0.02	62	-1	105	0.1	1.49
93J851302	Forestry Activity	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	211	White+buff	None	2407	-1.0	-1.00	-1	-1	113	0.1	1.40
93J851303	None	2.0	30	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	2407	6.5	0.10	72	-1	226	0.1	1.83
93J851304	Forestry Activity	2.0	40	Slow	Brn Cloudy	Glacial Till/Tillite	Featureless	121	White+buff	None	2807	6.9	0.02	54	-1	46	0.1	0.99
93J851305	None	0.5	10	Zero	Clear	Undef Unconsol	Featureless	120	White+buff	None	2807	7.1	0.02	54	-1	74	0.1	1.49
93J851306	Forestry Activity	3.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	120	White+buff	None	2807	7.1	0.02	66	-1	85	0.1	2.45
93J851307	Forestry Activity	3.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	120	White+buff	None	2807	7.1	0.02	64	-1	121	0.1	2.48
93J851308	Forestry Activity	1.5	30	Zero	Brn Cloudy	Undef Unconsol	Featureless	120	Grey	None	2907	7.0	0.08	54	-1	124	0.1	1.91
93J851309	None	1.0	20	Zero	Brn transparent	Glacial Till/Tillite	Featureless	210	White+buff	None	2607	6.9	0.05	48	-1	50	0.1	0.97
93J851310	None	0.5	30	Zero	Brn transparent	Undef Unconsol	Featureless	210	White+buff	None	2607	7.0	0.05	46	-1	41	0.1	0.94
93J851312	Forestry Activity	0.1	10	Zero	Brn transparent	Undef Unconsol	Featureless	210	White+buff	None	2607	7.4	0.02	62	-1	113	0.1	1.24
93J851313	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	White+buff	None	2507	-1.0	-1.00	-1	-1	275	0.1	2.27
93J851314	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	White+buff	None	2507	-1.0	-1.00	-1	-1	300	0.1	1.73
93J851315	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	White+buff	None	2907	-1.0	-1.00	-1	-1	87	0.1	1.84
93J851316	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	2907	-1.0	-1.00	-1	-1	316	0.1	2.55
93J851317	None	3.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	121	Grey	None	2907	6.0	0.08	76	-1	232	0.1	2.72
93J851318	None	2.3	10	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	2907	7.5	2.10	150	-1	178	0.1	1.09
93J851319	None	2.0	20	Zero	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	3107	7.4	0.11	42	-1	63	0.1	0.93
93J851320	None	1.0	30	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	3107	7.4	0.18	56	-1	91	0.1	1.06
93J851322	None	1.0	30	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	3107	7.4	0.16	42	-1	65	0.1	0.97
93J851323	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	021	Grey	None	3107	-1.0	-1.00	-1	-1	49	0.1	0.89
93J851324	None	3.5	10	Moderate	Clear	Undef Unconsol	Featureless	120	Grey	None	108	5.0	0.02	130	-1	106	0.1	1.88
93J851325	None	2.0	30	Slow	Clear	Undef Unconsol	Featureless	210	Grey	None	1608	7.8	3.70	130	-1	69	0.1	1.43
93J851326	None	4.0	30	Moderate	Clear	Undef Unconsol	Featureless	210	Grey	None	1608	7.6	0.14	62	-1	125	0.1	1.15
93J851327	None	1.0	10	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	1608	7.1	0.02	32	-1	122	0.1	1.47
93J851328	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1708	-1.0	-1.00	-1	-1	17	0.1	0.95
93J851329	None	2.0	10	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1708	7.6	0.02	28	-1	35	0.1	0.91
93J851330	None	1.5	10	Slow	Clear	Undef Unconsol	Featureless	210	White+buff	None	1708	7.2	0.06	24	-1	43	0.1	0.68
93J851331	None	1.0	10	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1708	7.1	0.02	32	-1	321	0.1	1.64
93J851332	None	3.5	20	Slow	Clear	Undef Unconsol	Featureless	210	Grey	None	1808	8.0	0.08	34	-1	71	0.1	1.47
93J851334	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1808	7.1	0.02	22	-1	96	0.1	2.25
93J851335	None	2.0	10	Zero	Clear	Undef Unconsol	Featureless	121	Red+brown	None	1808	7.6	0.02	28	-1	53	0.1	0.81
93J851336	None	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	210	White+buff	None	1808	7.8	0.09	20	-1	33	0.1	1.12
93J851337	None	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	210	White+buff	None	1808	7.5	0.06	20	-1	31	0.1	1.04
93J851338	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	2008	-1.0	-1.00	-1	-1	16	0.1	0.44
93J851339	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	Redbrown - black	2008	-1.0	-1.00	-1	-1	31	0.1	0.57
93J851340	Possible	0.0	0	Slow	Brn Cloudy	Undef Unconsol	Featureless	021	Grey	None	2008	5.9	0.02	42	-1	190	0.1	1.72
93J851342	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2008	-1.0	-1.00	-1	-1	638	0.4	2.69
93J851343	Forestry Activity	1.0	10	Zero	Brn transparent	Undef Unconsol	Featureless	210	Red+brown	None	2008	6.6	0.02	30	-1	30	0.1	1.06
93J851344	Forestry Activity	1.0	10	Zero	Brn transparent	Undef Unconsol	Featureless	111	Black	None	2008	7.5	0.14	44	-1	70	0.1	0.95
93J851345	None	0.5	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	030	Red+brown	None	2108	6.6	0.02	42	-1	58	0.1	0.87
93J851346	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Red+brown	None	2108	-1.0	-1.00	-1	-1	174	0.1	1.99
93J851347	None	4.0	20	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	2708	7.6	0.02	40	-1	109	0.1	0.94

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851348	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	112	Black	None	2708	-1.0	-1.00	-1	-1	97	0.1	0.21
93J851349	None	3.0	20	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	2708	6.9	0.02	32	-1	249	0.1	1.62
93J851350	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Black	Redbrown - black	2708	-1.0	-1.00	-1	-1	272	0.1	1.59
93J851351	None	4.5	20	Slow	Clear	Undef Unconsol	Featureless	130	White+buff	None	2708	7.3	0.25	42	-1	88	0.1	1.23
93J851352	None	2.5	40	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	2708	6.5	0.05	34	-1	136	0.1	1.35
93J851353	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	2908	-1.0	-1.00	-1	-1	157	0.1	1.06
93J851354	None	2.0	10	Slow	Clear	Bare Rock	Featureless	210	Grey	None	2908	7.5	0.10	40	-1	37	0.1	0.73
93J851355	None	1.0	30	Zero	Brn transparent	Undef Unconsol	Featureless	210	Grey	None	2908	6.3	0.02	40	-1	48	0.1	0.81
93J851357	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	2908	-1.0	-1.00	-1	-1	125	0.1	1.52
93J851358	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	2908	-1.0	-1.00	-1	-1	183	0.1	1.66
93J851359	None	2.0	30	Moderate	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	3108	7.5	0.30	52	-1	81	0.1	1.19
93J851360	None	2.0	30	Moderate	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	3108	7.6	0.32	50	-1	71	0.1	1.18
93J851362	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	3008	-1.0	-1.00	-1	-1	125	0.1	1.25
93J851363	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	3008	-1.0	-1.00	-1	-1	57	0.1	0.80
93J851364	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	White+buff	None	3008	-1.0	-1.00	-1	-1	42	0.1	0.94
93J851365	Possible	0.5	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	120	Grey	None	3108	7.3	0.08	36	-1	236	0.1	1.68
93J851366	Possible	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	3108	-1.0	-1.00	-1	-1	77	0.1	1.08
93J851367	Possible	1.0	10	Zero	Clear	Glacial Till/Tillite	Featureless	021	White+buff	None	3108	6.9	0.02	30	-1	149	0.1	1.53
93J851368	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	111	White+buff	None	3108	-1.0	-1.00	-1	-1	145	0.1	1.53
93J851369	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	209	-1.0	-1.00	-1	-1	168	0.1	1.62
93J851370	Agriculture	2.0	20	Zero	Brn transparent	Glacial Till/Tillite	Red+brown	220	Grey	None	209	6.9	0.02	64	-1	80	0.1	1.16
93J851371	Agriculture	1.5	10	Slow	Brn Cloudy	Glacial Till/Tillite	Featureless	030	Grey	None	209	8.0	10.00	140	-1	72	0.1	0.89
93J851373	Agriculture	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	209	7.8	6.00	170	-1	45	0.1	0.72
93J851374	Agriculture	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	209	7.8	6.00	180	-1	51	0.1	0.78
93J851375	None	0.3	10	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	209	7.9	13.00	110	-1	47	0.1	0.71
93J851376	Agriculture	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	White+buff	None	209	-1.0	-1.00	-1	-1	99	0.1	1.31
93J851377	Agriculture	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	White+buff	None	209	-1.0	-1.00	-1	-1	125	0.1	2.08
93J851378	Agriculture	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	022	Red+brown	None	209	-1.0	-1.00	-1	-1	249	0.1	1.04
93J851379	Agriculture	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	021	White+buff	None	209	-1.0	-1.00	-1	-1	181	0.1	1.41
93J851380	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	121	White+buff	None	209	-1.0	-1.00	-1	-1	276	0.1	2.44
93J851382	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	209	-1.0	-1.00	-1	-1	93	0.1	1.60
93J851383	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	White+buff	None	209	-1.0	-1.00	-1	-1	122	0.1	1.50
93J851384	Agriculture	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	121	Red+brown	None	309	-1.0	-1.00	-1	-1	201	0.1	2.10
93J851386	Agriculture	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	Red+brown	None	309	-1.0	-1.00	-1	-1	115	0.1	1.59
93J851387	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	309	-1.0	-1.00	-1	-1	113	0.1	1.62
93J851388	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	309	-1.0	-1.00	-1	-1	86	0.1	1.33
93J851389	Possible	3.0	10	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	309	6.8	0.02	64	-1	197	0.1	1.83
93J851390	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	Red+brown	None	309	-1.0	-1.00	-1	-1	111	0.2	1.57
93J851391	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	309	-1.0	-1.00	-1	-1	902	0.4	3.17
93J851392	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	309	-1.0	-1.00	-1	-1	48	0.1	0.70
93J851393	Possible	2.0	20	Zero	Brn Cloudy	Undef Unconsol	Featureless	030	Red+brown	None	409	5.4	0.02	26	-1	85	0.1	1.62
93J851394	Probable	4.0	100	Zero	Brn Cloudy	Undef Unconsol	Featureless	031	Grey	None	409	6.1	0.02	40	-1	186	0.1	1.40
93J851395	Probable	2.0	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	121	Grey	None	409	5.2	0.02	24	-1	141	0.1	1.69
93J851396	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	509	-1.0	-1.00	-1	-1	140	0.1	1.71
93J851397	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	509	-1.0	-1.00	-1	-1	113	0.1	1.29
93J851398	None	2.0	10	Zero	Wht Cldy	Undef Unconsol	Featureless	022	Black	None	809	6.3	0.02	30	-1	229	0.1	1.02
93J851399	None	1.5	10	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1409	6.4	0.02	10	-1	140	0.1	1.12
93J851400	None	1.5	10	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1409	6.4	0.02	10	-1	138	0.1	1.15
93J851402	None	2.5	20	Moderate	Clear	Alluvial	Featureless	220	Red+brown	Redbrown - black	407	7.6	0.12	38	-1	110	0.1	0.69
93J851403	None	1.5	50	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	407	8.4	0.14	38	-1	51	0.1	0.90
93J851404	None	2.0	20	Moderate	Clear	Alluvial	Featureless	130	Grey	None	507	8.1	0.15	20	-1	33	0.1	1.04
93J851405	Possible	2.5	40	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	507	8.1	0.16	36	-1	18	0.1	1.39

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851406	Possible	2.5	40	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	507	7.9	0.16	32	-1	25	0.1	1.49
93J851407	Possible	2.0	30	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	507	8.3	0.24	52	-1	45	0.1	1.25
93J851409	None	3.0	80	Fast	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	507	8.2	0.20	36	-1	38	0.1	1.62
93J851410	None	4.0	60	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	507	7.9	0.24	44	-1	67	0.1	1.08
93J851411	None	0.7	20	Slow	Clear	Undef Unconsol	Featureless	111	Red+brown	None	507	7.9	0.10	36	-1	211	0.1	0.82
93J851412	None	2.5	30	Moderate	Clear	Undef Unconsol	Featureless	310	Red+brown	None	507	8.1	0.26	38	-1	176	0.1	1.60
93J851413	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Red+brown	None	507	-1.0	-1.00	-1	-1	143	0.1	0.70
93J851414	Forestry Activity	2.5	10	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	507	8.2	0.24	48	-1	27	0.1	0.79
93J851415	Forestry Activity	2.0	10	Moderate	Clear	Undef Unconsol	Featureless	130	Red+brown	None	507	8.1	0.32	60	-1	23	0.1	0.26
93J851416	None	2.0	40	Slow	Brn transparent	Organic predom	Featureless	301	Red+brown	None	507	6.3	0.02	42	-1	73	0.1	1.66
93J851417	None	5.0	200	Slow	Clear	Organic predom	Featureless	122	Black	None	507	6.2	0.07	74	-1	166	0.1	1.72
93J851418	None	3.5	100	Zero	Clear	Organic predom	Featureless	013	Red+brown	None	507	6.8	0.02	56	-1	399	0.4	1.76
93J851419	None	2.0	30	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	607	7.5	1.20	56	-1	204	0.1	1.00
93J851420	None	1.0	60	Slow	Clear	Organic predom	Featureless	003	Black	None	607	6.4	0.02	46	-1	166	0.1	0.92
93J851422	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	607	7.6	0.27	56	-1	312	0.1	1.43
93J851423	None	5.0	30	Zero	Clear	Organic predom	Featureless	202	Red+brown	None	607	7.0	0.11	50	-1	81	0.1	1.70
93J851424	None	2.0	20	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	607	7.1	0.13	56	-1	112	0.1	0.94
93J851425	None	2.5	10	Zero	Clear	Undef Unconsol	Featureless	310	Red+brown	None	607	6.7	0.12	48	-1	455	0.2	1.45
93J851427	None	2.0	30	Slow	Clear	Organic predom	Featureless	013	Black	None	607	6.6	0.02	76	-1	81	0.1	1.26
93J851428	None	2.5	20	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	607	6.5	0.05	46	-1	147	0.1	1.23
93J851429	None	2.5	30	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	607	7.6	0.02	62	-1	139	0.1	1.12
93J851430	None	2.0	20	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	607	7.6	0.02	64	-1	115	0.1	0.94
93J851431	Forestry Activity	2.0	20	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1007	7.8	0.02	48	-1	184	0.1	2.01
93J851432	Forestry Activity	1.5	20	Moderate	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1007	7.6	0.02	56	-1	287	0.2	1.48
93J851433	None	4.0	50	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1007	7.2	0.02	54	-1	167	0.1	1.59
93J851434	None	4.0	50	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1007	7.5	0.02	54	-1	143	0.1	1.45
93J851435	Forestry Activity	1.5	40	Moderate	Clear	Undef Unconsol	Featureless	220	Green	Redbrown - black	1207	7.9	0.22	60	-1	44	0.1	0.63
93J851436	None	0.8	30	Slow	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1207	7.9	0.16	92	-1	78	0.1	0.88
93J851437	None	1.0	30	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1207	8.1	0.33	58	-1	41	0.1	0.76
93J851438	Forestry Activity	1.0	20	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1207	8.1	0.48	56	-1	63	0.1	1.04
93J851439	Forestry Activity	2.0	30	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1207	8.0	0.18	42	-1	103	0.1	1.20
93J851440	Forestry Activity	4.0	50	Moderate	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1207	8.1	0.24	44	-1	78	0.2	0.81
93J851442	None	1.0	30	Moderate	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1207	8.2	0.87	68	-1	88	0.2	0.90
93J851443	Forestry Activity	0.8	20	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1207	8.1	0.67	62	-1	97	0.1	1.14
93J851444	Forestry Activity	2.0	20	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	Redbrown - black	1307	7.3	0.14	44	-1	140	0.1	1.28
93J851445	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	212	Red+brown	Redbrown - black	1307	-1.0	-1.00	-1	-1	316	0.2	2.23
93J851446	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	Redbrown - black	1307	-1.0	-1.00	-1	-1	285	0.2	1.26
93J851447	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	1307	-1.0	-1.00	-1	-1	138	0.1	1.58
93J851448	Forestry Activity	0.8	20	Slow	Clear	Undef Unconsol	Featureless	112	Black	Redbrown - black	1307	7.4	0.05	44	-1	312	0.1	1.82
93J851449	Forestry Activity	1.0	30	Zero	Clear	Undef Unconsol	Featureless	013	Black	Redbrown - black	1307	6.8	0.02	50	-1	86	0.2	0.47
93J851450	Forestry Activity	1.0	20	Zero	Clear	Undef Unconsol	Featureless	113	Black	Redbrown - black	1307	7.3	0.02	40	-1	307	0.2	1.68
93J851451	Forestry Activity	2.0	20	Slow	Clear	Undef Unconsol	Featureless	013	Black	None	1307	7.1	0.02	34	-1	130	0.1	1.42
93J851452	Forestry Activity	1.5	0	Zero	Clear	Undef Unconsol	Featureless	310	Red+brown	Redbrown - black	1307	-1.0	-1.00	-1	-1	133	0.2	1.51
93J851453	None	4.0	150	Slow	Clear	Organic predom	Featureless	031	Grey	None	1307	7.6	0.02	46	-1	95	0.1	1.16
93J851454	Forestry Activity	3.0	20	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1407	7.9	0.16	48	-1	73	0.1	1.33
93J851456	Forestry Activity	2.0	30	Slow	Clear	Alluvial	Red+brown	220	Buff to brown	Redbrown - black	1407	8.0	0.08	36	-1	50	0.1	0.79
93J851457	Possible	2.0	10	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	Redbrown - black	1407	7.3	0.02	54	-1	101	0.1	0.84
93J851458	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	320	Buff to brown	None	1407	-1.0	-1.00	-1	-1	50	0.1	0.84
93J851459	Probable	4.5	30	Moderate	Clear	Undef Unconsol	Featureless	220	Buff to brown	None	1407	7.9	0.37	48	-1	34	0.1	0.70
93J851460	Probable	4.5	30	Moderate	Clear	Undef Unconsol	Featureless	220	Buff to brown	None	1407	8.0	0.36	48	-1	30	0.1	0.62
93J851462	None	2.0	60	Moderate	Clear	Undef Unconsol	Featureless	031	Black	None	1507	7.2	0.02	40	-1	123	0.1	1.26
93J851463	Burned Areas	3.5	40	Zero	Brn transparent	Undef Unconsol	Featureless	031	Grey	None	1507	6.7	0.02	40	-1	117	0.1	1.62

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851464	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1607	-1.0	-1.00	-1	-1	162	0.1	2.17
93J851465	Probable	1.2	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1607	7.2	0.02	46	-1	99	0.1	2.58
93J851466	Possible	3.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	1607	7.0	0.02	36	-1	149	0.1	0.82
93J851467	Possible	2.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	1607	6.7	0.11	34	-1	106	0.1	0.95
93J851468	Forestry Activity	3.0	30	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1807	8.1	0.05	42	-1	48	0.1	0.90
93J851469	Forestry Activity	1.0	30	Moderate	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1807	8.0	0.18	46	-1	86	0.1	1.69
93J851470	None	0.0	0	Moderate	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1807	7.9	0.17	46	-1	42	0.1	1.11
93J851471	None	0.0	0	Moderate	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1807	8.1	0.16	44	-1	36	0.1	0.95
93J851472	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1807	8.1	0.24	42	-1	66	0.1	1.59
93J851474	None	1.5	10	Moderate	Clear	Undef Unconsol	Featureless	310	Red+brown	None	1807	7.0	0.02	42	-1	34	0.1	0.65
93J851475	None	2.0	10	Moderate	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1807	6.9	0.05	40	-1	34	0.1	0.74
93J851476	None	1.5	10	Moderate	Clear	Undef Unconsol	Featureless	310	Red+brown	None	1807	6.8	0.02	38	-1	80	0.1	1.23
93J851477	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	310	Red+brown	None	1807	6.6	0.05	30	-1	62	0.1	0.81
93J851478	None	1.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	130	Grey	None	1807	5.6	0.06	40	-1	78	0.1	2.59
93J851479	None	4.5	60	Moderate	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1807	8.0	0.30	44	-1	57	0.1	1.18
93J851480	None	0.6	30	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1907	7.7	0.15	48	-1	184	0.2	0.93
93J851482	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	1907	-1.0	-1.00	-1	-1	112	0.1	0.64
93J851483	Forestry Activity	4.0	80	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	2007	6.7	0.02	40	-1	68	0.1	0.96
93J851484	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2007	-1.0	-1.00	-1	-1	137	0.1	1.70
93J851485	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	2007	-1.0	-1.00	-1	-1	143	0.2	1.51
93J851486	Forestry Activity	3.5	50	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	2007	7.5	0.02	52	-1	75	0.1	1.08
93J851487	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	2007	-1.0	-1.00	-1	-1	206	0.1	1.65
93J851488	Forestry Activity	1.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	310	Red+brown	None	2007	7.7	0.02	48	-1	94	0.1	1.43
93J851489	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2007	-1.0	-1.00	-1	-1	295	0.1	1.65
93J851491	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2007	-1.0	-1.00	-1	-1	115	0.1	1.38
93J851492	Industrial srces	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	121	Red+brown	None	2007	6.8	0.14	90	-1	68	0.1	0.81
93J851493	Forestry Activity	1.0	20	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	2007	7.6	0.24	74	-1	110	0.1	1.07
93J851494	Forestry Activity	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	031	Red+brown	None	2107	6.6	0.02	38	-1	69	0.1	1.25
93J851495	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Buff to brown	None	2107	-1.0	-1.00	-1	-1	94	0.1	1.02
93J851496	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	2107	-1.0	-1.00	-1	-1	114	0.1	1.75
93J851497	Forestry Activity	3.0	40	Moderate	Clear	Undef Unconsol	Featureless	111	Red+brown	None	2207	7.6	0.08	56	-1	183	0.2	1.64
93J851498	Forestry Activity	3.0	40	Moderate	Clear	Undef Unconsol	Featureless	111	Red+brown	None	2207	7.6	0.10	54	-1	113	0.1	1.23
93J851499	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	2207	7.5	0.14	58	-1	121	0.1	0.16
93J851500	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	013	Black	None	2207	8.0	0.13	60	-1	148	0.1	0.48
93J851502	Forestry Activity	0.5	10	Slow	Clear	Undef Unconsol	Featureless	221	Grey	None	2207	8.1	0.02	64	-1	70	0.1	0.89
93J851504	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	2207	-1.0	-1.00	-1	-1	116	0.1	1.22
93J851505	Forestry Activity	1.0	10	Slow	Clear	Undef Unconsol	Featureless	221	Red+brown	None	2207	7.4	0.06	52	-1	159	0.1	1.71
93J851506	Forestry Activity	1.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	031	Grey	None	2207	7.7	0.02	54	-1	141	0.1	0.96
93J851507	Forestry Activity	1.0	10	Slow	Clear	Undef Unconsol	Featureless	310	Buff to brown	None	2207	7.7	0.02	44	-1	115	0.1	1.41
93J851508	Forestry Activity	3.0	30	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	2207	7.2	0.02	54	-1	92	0.1	1.07
93J851509	Forestry Activity	2.0	30	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2307	8.1	0.08	58	-1	137	0.1	1.47
93J851510	Possible	2.0	20	Slow	Clear	Undef Unconsol	Featureless	023	Grey	None	2307	7.8	0.02	66	-1	150	0.2	1.92
93J851511	Possible	0.5	20	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	2307	7.2	0.02	64	-1	52	0.1	0.70
93J851512	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	131	Grey	None	2307	7.0	0.02	48	-1	80	0.2	1.47
93J851513	Forestry Activity	1.5	20	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	2307	7.5	0.08	58	-1	227	0.1	2.20
93J851514	None	2.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	030	Buff to brown	None	2307	7.7	0.02	60	-1	186	0.1	2.43
93J851515	None	2.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	030	Buff to brown	None	2307	7.0	0.02	60	-1	151	0.1	2.30
93J851516	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	2407	-1.0	-1.00	-1	-1	465	0.2	1.96
93J851517	None	1.5	10	Slow	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	2407	6.6	0.02	50	-1	84	0.2	0.98
93J851518	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	022	Red+brown	None	2407	7.5	0.02	58	-1	226	0.1	1.83
93J851519	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	2407	6.9	0.02	46	-1	317	0.1	1.84
93J851520	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	2407	-1.0	-1.00	-1	-1	702	0.4	1.72

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851522	Forestry Activity	2.5	40	Slow	Brn transparent	Undef Unconsol	Featureless	022	Grey	None	2407	6.9	0.02	48	-1	94	0.1	1.28
93J851523	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2407	-1.0	-1.00	-1	-1	181	0.1	1.05
93J851524	Agriculture	1.0	50	Slow	Brn transparent	Undef Unconsol	Featureless	022	Black	None	2507	6.7	0.02	56	-1	212	0.1	1.21
93J851525	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2507	-1.0	-1.00	-1	-1	537	0.6	2.58
93J851526	Agriculture	2.0	40	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2507	6.6	0.02	50	-1	127	0.2	1.21
93J851527	Agriculture	2.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	022	Grey	None	2507	7.2	0.02	54	-1	265	0.2	1.40
93J851529	Agriculture	1.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	2507	6.8	0.02	66	-1	398	0.2	1.54
93J851530	Forestry Activity	1.0	20	Slow	Brn Cloudy	Undef Unconsol	Featureless	030	Red+brown	None	2507	5.4	0.02	40	-1	87	0.1	1.30
93J851531	Forestry Activity	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	220	Red+brown	None	2507	-1.0	-1.00	-1	-1	78	0.1	0.98
93J851532	Agriculture	3.0	30	Slow	Clear	Undef Unconsol	Featureless	221	Red+brown	None	2507	6.8	0.02	82	-1	43	0.1	0.84
93J851533	Possible	1.5	40	Zero	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	2507	6.3	0.02	96	-1	78	0.1	1.18
93J851534	Possible	1.5	40	Zero	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	2507	6.1	0.02	90	-1	82	0.1	1.20
93J851535	Possible	0.4	20	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	2507	8.0	0.24	100	-1	76	0.1	0.94
93J851536	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	221	Red+brown	None	2607	-1.0	-1.00	-1	-1	66	0.1	1.32
93J851537	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2607	-1.0	-1.00	-1	-1	71	0.2	1.14
93J851538	Forestry Activity	2.0	10	Slow	Clear	Undef Unconsol	Featureless	031	Black	None	2607	6.6	0.02	130	-1	106	0.1	1.48
93J851539	Forestry Activity	1.0	20	Slow	Brn Cloudy	Undef Unconsol	Featureless	220	Black	None	2607	7.5	0.02	130	-1	52	0.1	1.01
93J851540	Agriculture	3.0	20	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2607	7.6	0.02	150	-1	52	0.1	0.75
93J851542	Agriculture	2.0	40	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	2807	8.0	0.76	110	-1	57	0.1	1.01
93J851543	Agriculture	2.5	50	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	2807	7.9	0.72	110	-1	58	0.1	0.97
93J851544	Agriculture	1.0	20	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2807	8.2	0.80	110	-1	47	0.1	0.86
93J851545	Forestry Activity	1.5	30	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2807	7.8	0.80	140	-1	58	0.1	1.14
93J851546	Forestry Activity	2.0	30	Moderate	Clear	Undef Unconsol	Featureless	031	Buff to brown	None	2807	8.0	0.74	150	-1	73	0.1	1.34
93J851547	Forestry Activity	0.4	10	Slow	Clear	Undef Unconsol	Featureless	221	Red+brown	None	2807	7.1	0.05	72	-1	76	0.1	1.33
93J851548	Forestry Activity	1.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	030	Red+brown	None	2807	7.3	0.02	58	-1	121	0.1	2.01
93J851549	Possible	3.0	80	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	2807	8.0	0.61	130	-1	39	0.1	0.82
93J851550	Forestry Activity	2.0	30	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2807	6.3	0.02	46	-1	75	0.1	2.26
93J851551	None	1.5	20	Moderate	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2907	7.8	0.46	140	-1	100	0.1	1.31
93J851552	Possible	1.0	30	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2907	7.3	0.27	100	-1	132	0.1	1.33
93J851553	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2907	7.4	0.96	92	-1	75	0.1	0.97
93J851554	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	2907	7.8	0.92	92	-1	73	0.1	0.97
93J851555	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Buff to brown	None	2907	-1.0	-1.00	-1	-1	40	0.1	0.76
93J851556	Possible	1.0	40	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	2907	8.3	0.11	110	-1	76	0.1	1.14
93J851557	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2907	-1.0	-1.00	-1	-1	188	0.1	1.58
93J851558	Possible	1.5	40	Slow	Brn Cloudy	Undef Unconsol	Featureless	031	Red+brown	None	2907	8.0	3.70	170	-1	64	0.1	1.02
93J851559	Possible	1.0	30	Slow	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	2907	7.9	0.25	98	-1	41	0.1	0.74
93J851562	Agriculture	1.0	30	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	2907	7.8	0.32	98	-1	104	0.2	0.95
93J851563	Agriculture	1.0	40	Slow	Brn transparent	Undef Unconsol	Featureless	023	Black	None	2907	7.4	0.02	72	-1	35	0.1	0.84
93J851564	None	0.7	20	Slow	Clear	Undef Unconsol	Featureless	210	White+buff	None	2907	7.7	0.24	86	-1	30	0.1	0.78
93J851565	Agriculture	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	2907	-1.0	-1.00	-1	-1	94	0.1	1.73
93J851566	None	2.0	30	Slow	Clear	Undef Unconsol	Featureless	120	White+buff	None	2907	7.8	0.68	130	-1	63	0.1	1.21
93J851567	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	2907	-1.0	-1.00	-1	-1	34	0.1	0.85
93J851568	None	3.5	30	Moderate	Brn Cloudy	Undef Unconsol	Featureless	030	Red+brown	None	3007	7.5	0.30	74	-1	49	0.2	1.17
93J851569	None	3.0	30	Slow	Brn Cloudy	Undef Unconsol	Featureless	030	Grey	None	3007	7.6	0.28	26	-1	30	0.1	0.86
93J851570	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	3007	7.6	0.15	38	-1	37	0.1	0.91
93J851571	None	0.7	10	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	3007	6.8	0.20	48	-1	36	0.1	1.01
93J851572	None	0.3	10	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	3007	7.6	0.65	48	-1	16	0.1	0.52
93J851573	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	111	Black	None	3007	-1.0	-1.00	-1	-1	520	0.2	2.50
93J851574	None	4.0	40	Moderate	Clear	Undef Unconsol	Featureless	120	Grey	None	3007	8.1	0.15	42	-1	96	0.2	1.60
93J851575	None	2.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	120	Grey	None	3007	7.3	0.23	34	-1	60	0.1	1.13
93J851577	Forestry Activity	2.0	20	Moderate	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	3007	7.7	0.30	78	-1	62	0.1	1.58
93J851578	Forestry Activity	2.0	20	Moderate	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	3007	8.0	0.33	76	-1	90	0.1	1.49

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851579	None	4.0	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	3007	7.9	0.68	100	-1	72	0.1	1.33
93J851580	None	3.5	40	Slow	Wht Cldy	Undef Unconsol	Featureless	030	Grey	None	3007	7.4	0.35	42	-1	63	0.1	1.67
93J851582	None	2.5	30	Slow	Wht Cldy	Undef Unconsol	Featureless	030	Grey	None	3007	7.1	0.16	32	-1	46	0.1	1.11
93J851583	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	Black	None	1409	-1.0	-1.00	-1	-1	931	0.8	0.58
93J851584	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	111	Black	None	1409	6.1	0.11	26	-1	541	0.2	1.11
93J851585	None	1.6	20	Slow	Clear	Undef Unconsol	Featureless	021	Grey	None	1409	5.3	0.11	22	-1	236	0.1	1.65
93J851586	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	013	Black	None	1409	6.1	0.02	22	-1	608	0.4	0.45
93J851587	None	1.0	60	Slow	Clear	Undef Unconsol	Featureless	310	White+buff	None	1409	5.2	0.02	30	-1	439	0.2	2.24
93J851588	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	1409	7.0	0.02	30	-1	273	0.2	2.02
93J851589	None	1.2	40	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1409	6.3	0.02	30	-1	175	0.2	1.81
93J851590	None	1.2	40	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1409	6.4	0.05	30	-1	205	0.1	1.94
93J851591	None	2.0	40	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1409	4.9	0.02	10	-1	159	0.1	0.49
93J851592	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	111	Red+brown	None	1409	5.8	0.02	10	-1	264	0.1	1.91
93J851593	None	2.5	50	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1409	6.2	0.05	26	-1		0.2	
93J851594	None	2.0	40	Moderate	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1409	6.2	0.10	26	-1	197	0.2	1.50
93J851595	Possible	1.0	30	Moderate	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	1409	7.5	0.32	40	-1	131	0.2	0.73
93J851597	None	3.0	200	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1409	6.8	0.02	34	-1	123	0.1	0.32
93J851598	Possible	0.8	40	Slow	Brn transparent	Undef Unconsol	Featureless	220	Grey	None	1409	7.0	0.21	28	-1	278	0.1	1.42
93J851599	None	1.0	80	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1409	7.6	0.75	36	-1	115	0.1	0.89
93J851600	None	1.0	60	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1409	7.3	0.02	32	-1	98	0.1	0.66
93J851602	Possible	3.0	50	Moderate	Clear	Alluvial	Featureless	210	Red+brown	None	407	8.2	0.11	44	-1	133	0.1	0.98
93J851603	Possible	2.5	20	Moderate	Clear	Alluvial	Featureless	211	Red+brown	None	507	6.9	0.02	26	-1	72	0.1	1.39
93J851604	Possible	0.2	10	Slow	Clear	Alluvial	Featureless	111	Red+brown	None	507	6.6	0.05	28	-1	58	0.1	1.13
93J851605	Possible	0.3	10	Slow	Clear	Undef Unconsol	Featureless	211	Red+brown	None	507	8.2	0.30	20	-1	204	0.1	1.48
93J851606	Possible	3.0	40	Moderate	Clear	Undef Unconsol	Featureless	211	White+buff	None	507	8.3	0.17	22	-1	38	0.1	1.00
93J851607	Possible	3.0	60	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	507	8.2	0.20	22	-1	40	0.1	0.90
93J851608	Possible	3.0	60	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	507	8.2	0.17	24	-1	45	0.1	0.98
93J851609	Possible	1.5	40	Moderate	Clear	Undef Unconsol	Featureless	211	Red+brown	None	507	8.2	0.18	22	-1	40	0.1	0.95
93J851611	Possible	2.0	50	Moderate	Clear	Undef Unconsol	Featureless	211	Red+brown	None	507	8.1	0.28	28	-1	38	0.1	1.12
93J851612	Possible	0.0	0	Zero	Clear	Organic predom	Featureless	003	Black	None	507	-1.0	-1.00	-1	-1	63	0.1	1.02
93J851613	Possible	2.0	60	Moderate	Clear	Undef Unconsol	Featureless	211	Red+brown	None	507	8.2	0.16	36	-1	52	0.1	0.80
93J851614	Possible	4.0	60	Moderate	Clear	Undef Unconsol	Featureless	211	Red+brown	None	607	7.7	0.23	50	-1	221	0.1	1.20
93J851615	Possible	0.5	10	Slow	Clear	Undef Unconsol	Featureless	112	White+buff	None	607	8.3	0.28	28	-1	228	0.1	0.90
93J851616	Possible	0.2	10	Slow	Clear	Undef Unconsol	Featureless	211	Red+brown	None	607	8.1	0.12	44	-1	201	0.1	1.77
93J851617	Possible	0.5	10	Slow	Clear	Organic predom	Featureless	211	Red+brown	None	607	7.9	0.02	44	-1	193	0.1	1.36
93J851618	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	211	Black	None	607	-1.0	-1.00	-1	-1	518	0.1	1.53
93J851619	Possible	1.5	40	Moderate	Clear	Alluvial	Featureless	211	Black	None	607	7.7	0.10	36	-1	148	0.1	1.32
93J851620	Possible	0.0	0	Zero	Clear	Alluvial	Featureless	211	Black	None	607	-1.0	-1.00	-1	-1	391	0.1	1.85
93J851622	Possible	2.0	70	Slow	Clear	Organic predom	Featureless	211	Black	Redbrown - black	607	7.2	0.07	40	-1	121	0.1	1.85
93J851623	Possible	2.5	50	Slow	Clear	Undef Unconsol	Featureless	211	Black	None	607	7.0	0.09	38	-1	178	0.1	1.50
93J851625	Possible	0.5	10	Slow	Clear	Undef Unconsol	Featureless	310	Black	None	607	6.9	0.05	36	-1	190	0.1	1.11
93J851626	Forestry Activity	0.4	10	Slow	Clear	Undef Unconsol	Featureless	211	Black	Redbrown - black	707	7.3	0.02	46	-1	35	0.1	1.00
93J851627	Forestry Activity	2.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	121	Black	Redbrown - black	707	7.8	0.02	44	-1	143	0.1	1.41
93J851628	Forestry Activity	2.0	60	Slow	Clear	Undef Unconsol	Featureless	003	Black	None	707	7.1	0.02	46	-1	112	0.2	1.18
93J851629	Probable	3.0	100	Slow	Brn Cloudy	Undef Unconsol	Featureless	021	Red+brown	None	707	7.3	0.05	48	-1	97	0.1	1.06
93J851630	Probable	1.0	30	Slow	Brn Cloudy	Undef Unconsol	Featureless	021	Red+brown	None	707	7.1	0.02	40	-1	119	0.1	1.43
93J851631	Forestry Activity	2.0	50	Slow	Brn Cloudy	Undef Unconsol	Featureless	310	Black	None	707	7.0	0.02	78	-1	39	0.1	0.79
93J851632	Possible	2.2	50	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	707	7.2	0.10	44	-1	139	0.1	1.32
93J851633	Possible	2.4	60	Moderate	Clear	Undef Unconsol	Featureless	220	Grey	None	707	7.6	0.18	40	-1	128	0.1	1.59
93J851634	Possible	2.4	60	Moderate	Clear	Undef Unconsol	Featureless	220	Grey	None	707	7.6	0.18	42	-1	121	0.2	1.31
93J851635	Possible	1.0	40	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	707	8.1	0.20	48	-1	246	0.1	1.46
93J851636	Probable	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Black	None	707	-1.0	-1.00	-1	-1	118	0.1	1.11

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851637	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	003	Black	None	807	-1.0	-1.00	-1	-1	360	0.1	1.88
93J851638	Possible	0.5	40	Slow	Brn transparent	Undef Unconsol	Featureless	121	Black	None	807	7.0	0.02	36	-1	116	0.1	1.40
93J851639	Possible	1.5	40	Slow	Brn transparent	Undef Unconsol	Featureless	121	Black	None	807	7.6	0.02	50	-1	176	0.1	1.71
93J851640	Possible	1.0	40	Slow	Brn transparent	Undef Unconsol	Featureless	121	Grey	None	807	7.4	0.02	38	-1	105	0.1	1.11
93J851642	Probable	1.2	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	Black	None	807	7.5	0.58	44	-1	183	0.1	1.15
93J851643	Possible	0.5	10	Slow	Brn transparent	Glacial Till/Tillite	Featureless	121	Red+brown	None	807	5.6	0.02	30	-1	69	0.1	0.49
93J851644	Possible	0.5	30	Zero	Clear	Glacial Till/Tillite	Featureless	210	Black	None	907	7.0	0.02	34	-1	142	0.1	1.43
93J851645	Possible	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	211	Grey	None	907	-1.0	-1.00	-1	-1	166	0.1	1.72
93J851646	Possible	2.5	110	Slow	Brn transparent	Glacial Till/Tillite	Featureless	210	Red+brown	Redbrown - black	907	7.1	0.07	38	-1	113	0.1	1.14
93J851647	Possible	1.4	40	Moderate	Clear	Glacial Till/Tillite	Featureless	210	Black	None	907	8.0	0.17	44	-1	153	0.1	1.26
93J851648	Possible	2.4	60	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Black	None	907	7.7	0.16	42	-1	115	0.1	1.21
93J851649	Forestry Activity	0.4	20	Zero	Brn transparent	Organic predom	Featureless	111	Red+brown	None	907	5.8	0.02	38	-1	161	0.1	1.49
93J851650	Probable	0.4	10	Zero	Brn Cloudy	Organic predom	Featureless	103	Black	None	907	6.7	0.02	48	-1	748	0.2	2.38
93J851651	Possible	0.8	20	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Black	None	907	7.8	0.14	44	-1	224	0.1	1.59
93J851653	Possible	3.0	60	Slow	Clear	Glacial Till/Tillite	Featureless	121	Black	None	1207	7.6	0.02	74	-1	119	0.1	1.04
93J851654	Possible	0.0	0	Zero	Clear	Organic predom	Featureless	121	Red+brown	None	1207	-1.0	-1.00	-1	-1	60	0.1	0.96
93J851655	Possible	0.5	20	Slow	Clear	Organic predom	Featureless	210	Red+brown	None	1207	6.3	0.05	34	-1	31	0.1	0.74
93J851656	Forestry Activity	2.0	50	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	Redbrown - black	1207	7.0	0.02	46	-1	78	0.1	1.58
93J851657	Forestry Activity	2.0	50	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	Redbrown - black	1207	7.0	0.02	46	-1	80	0.2	1.68
93J851658	Forestry Activity	1.6	50	Moderate	Clear	Undef Unconsol	Featureless	120	Grey	None	1207	7.0	0.02	46	-1	87	0.1	1.65
93J851659	Probable	0.4	10	Slow	Brn transparent	Organic predom	Featureless	012	Black	None	1207	7.9	0.15	60	-1	336	0.1	1.27
93J851660	Forestry Activity	0.1	40	Slow	Clear	Undef Unconsol	Featureless	120	Black	None	1207	7.4	0.02	40	-1	135	0.1	1.16
93J851662	Forestry Activity	0.5	10	Slow	Clear	Undef Unconsol	Featureless	121	Yellow	None	1207	7.0	0.02	62	-1	185	0.1	1.83
93J851663	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	Redbrown - black	1207	-1.0	-1.00	-1	-1	113	0.1	1.38
93J851665	Possible	0.5	10	Slow	Clear	Organic predom	Featureless	121	Grey	White, buff	1207	7.6	0.02	48	-1	89	0.1	1.20
93J851666	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1307	-1.0	-1.00	-1	-1	985	1	3.43
93J851667	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1307	-1.0	-1.00	-1	-1	1033	0.8	2.01
93J851668	Forestry Activity	0.4	20	Slow	Clear	Undef Unconsol	Featureless	121	Black	None	1307	6.9	0.02	36	-1	194	0.2	1.42
93J851669	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1307	-1.0	-1.00	-1	-1	688	0.4	1.39
93J851670	Possible	0.3	20	Slow	Clear	Undef Unconsol	Featureless	120	Black	None	1307	7.4	0.02	40	-1	110	0.1	1.43
93J851671	Forestry Activity	1.0	10	Slow	Clear	Undef Unconsol	Featureless	121	Black	None	1307	7.2	0.02	44	-1	308	0.1	2.42
93J851672	Possible	1.0	30	Slow	Clear	Undef Unconsol	Featureless	012	Black	None	1307	6.8	0.02	36	-1	249	0.1	0.71
93J851673	Possible	0.4	10	Slow	Clear	Glacial Outwash,Moraine	Featureless	021	Grey	None	1407	6.9	0.02	28	-1	112	0.1	2.33
93J851674	Possible	0.4	10	Slow	Clear	Glacial Outwash,Moraine	Featureless	021	Grey	None	1407	6.8	0.02	54	-1	150	0.1	2.55
93J851675	Possible	0.4	20	Slow	Brn Cloudy	Glacial Outwash,Moraine	Featureless	121	Red+brown	None	1407	5.2	0.05	38	-1	136	0.1	1.52
93J851676	Forestry Activity	0.2	10	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1507	6.0	0.07	40	-1	35	0.1	0.80
93J851677	Forestry Activity	0.4	20	Moderate	Clear	Glacial Outwash,Moraine	Featureless	220	Black	None	1507	7.6	0.34	42	-1	181	0.1	1.65
93J851678	Forestry Activity	0.4	10	Slow	Clear	Glacial Outwash,Moraine	Featureless	130	Black	None	1507	5.7	0.02	20	-1	31	0.1	0.85
93J851679	Possible	0.2	10	Slow	Brn transparent	Glacial Till/Tillite	Featureless	120	Red+brown	Redbrown - black	1507	5.9	0.02	36	-1	50	0.1	1.43
93J851680	Possible	3.0	100	Slow	Clear	Glacial Till/Tillite	Featureless	030	Black	Redbrown - black	1507	6.8	0.02	36	-1	105	0.1	1.62
93J851682	Possible	3.5	100	Slow	Brn transparent	Glacial Till/Tillite	Featureless	121	Black	Redbrown - black	1507	6.7	0.02	32	-1	73	0.1	1.33
93J851683	Possible	0.6	20	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1607	7.9	0.72	42	-1	116	0.1	0.98
93J851684	Possible	0.0	0	Zero	Clear	Glacial Outwash,Moraine	Featureless	121	Red+brown	None	1407	-1.0	-1.00	-1	-1	70	0.1	1.14
93J851685	Possible	0.0	0	Zero	Clear	Glacial Outwash,Moraine	Featureless	120	Red+brown	None	1807	-1.0	-1.00	-1	-1	80	0.1	1.33
93J851686	Possible	0.0	0	Zero	Clear	Glacial Outwash,Moraine	Featureless	130	Red+brown	None	1807	-1.0	-1.00	-1	-1	56	0.1	1.64
93J851687	Forestry Activity	3.5	60	Slow	Brn transparent	Undef Unconsol	Featureless	031	Black	None	1807	7.0	0.02	22	-1	277	0.2	0.76
93J851688	Forestry Activity	0.8	20	Slow	Clear	Glacial Outwash,Moraine	Featureless	031	Red+brown	Redbrown - black	1807	7.8	0.11	26	-1	117	0.1	1.10
93J851689	Forestry Activity	0.6	20	Slow	Clear	Glacial Outwash,Moraine	Featureless	031	Black	None	1807	7.9	0.32	36	-1	55	0.1	0.96
93J851690	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2107	-1.0	-1.00	-1	-1	244	0.2	1.56
93J851692	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2207	-1.0	-1.00	-1	-1	531	0.4	2.11
93J851693	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	2207	-1.0	-1.00	-1	-1	608	0.2	1.99
93J851694	Possible	3.5	100	Slow	Brn transparent	Undef Unconsol	Featureless	130	Red+brown	None	1907	7.2	0.10	40	-1	188	0.1	1.76

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851695	Possible	1.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	130	Black	None	2007	7.0	0.50	56	-1	415	0.1	2.67
93J851696	Possible	1.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	130	Black	None	2007	8.1	0.72	58	-1	380	0.2	2.50
93J851697	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	130	Red+brown	None	2007	-1.0	-1.00	-1	-1	127	0.1	1.29
93J851698	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	130	Red+brown	None	2007	-1.0	-1.00	-1	-1	121	0.1	1.30
93J851699	None	0.6	20	Slow	Brn transparent	Undef Unconsol	Featureless	131	Black	None	2007	7.2	0.02	50	-1	142	0.1	1.63
93J851700	Forestry Activity	2.5	30	Slow	Brn transparent	Undef Unconsol	Featureless	131	Grey	None	2007	7.2	0.02	70	-1	98	0.1	1.39
93J851702	None	4.5	50	Slow	Brn Cloudy	Undef Unconsol	Featureless	031	Grey	None	2007	6.5	0.02	46	-1	262	0.1	1.88
93J851703	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	2007	-1.0	-1.00	-1	-1	102	0.1	1.37
93J851705	Possible	3.8	60	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Red+brown	None	2207	7.6	0.29	52	-1	107	0.2	1.16
93J851706	Forestry Activity	1.0	20	Zero	Brn Cloudy	Undef Unconsol	Featureless	031	Red+brown	Redbrown - black	2207	7.3	0.02	54	-1	327	0.1	2.43
93J851707	Possible	0.6	20	Slow	Clear	Undef Unconsol	Featureless	220	Black	Redbrown - black	2207	7.5	0.02	44	-1	52	0.1	0.83
93J851708	Possible	1.5	40	Moderate	Clear	Glacial Till/Tillite	Featureless	031	Black	Redbrown - black	2207	8.2	0.28	56	-1	133	0.1	1.29
93J851709	Possible	1.5	40	Slow	Clear	Undef Unconsol	Featureless	031	Black	Redbrown - black	2207	8.0	0.22	50	-1	102	0.1	0.97
93J851710	None	0.6	20	Zero	Brn transparent	Glacial Outwash, Moraine	Featureless	031	Grey	Redbrown - black	2207	7.1	0.02	46	-1	39	0.1	0.93
93J851711	None	0.3	10	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	2507	7.1	0.05	42	-1	23	0.1	0.83
93J851712	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	2507	-1.0	-1.00	-1	-1	28	0.1	0.83
93J851713	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	2507	-1.0	-1.00	-1	-1	53	0.1	0.65
93J851714	None	0.5	10	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	2507	7.9	0.02	46	-1	201	0.1	1.39
93J851715	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Black	None	2507	-1.0	-1.00	-1	-1	147	0.1	0.42
93J851716	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	120	White+buff	None	2507	7.5	0.02	44	-1	49	0.1	0.53
93J851717	None	4.0	50	Zero	Brn transparent	Undef Unconsol	Featureless	021	Black	None	2507	7.1	0.02	58	-1	78	0.1	0.70
93J851718	None	1.0	10	Zero	Brn transparent	Undef Unconsol	Featureless	031	Black	None	2507	7.7	0.10	62	-1	139	0.1	1.03
93J851719	None	4.5	30	Slow	Clear	Glacial Till/Tillite	Featureless	220	White+buff	None	2507	7.3	0.08	50	-1	77	0.1	0.98
93J851720	None	4.5	30	Slow	Clear	Glacial Till/Tillite	Featureless	220	White+buff	None	2507	7.4	0.08	52	-1	75	0.1	1.02
93J851722	Forestry Activity	0.8	30	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1608	7.4	0.11	32	-1	191	0.1	1.66
93J851723	Forestry Activity	0.6	20	Slow	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1608	6.9	0.02	26	-1	281	0.2	2.17
93J851724	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	131	Red+brown	Redbrown - black	1608	-1.0	-1.00	-1	-1	161	0.1	1.72
93J851726	Possible	2.5	60	Slow	Clear	Alluvial	Featureless	130	Red+brown	None	1608	7.3	0.02	34	-1	119	0.1	1.30
93J851727	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	130	Red+brown	None	1608	-1.0	-1.00	46	-1	34	0.1	1.00
93J851728	None	0.6	20	Slow	Brn transparent	Organic predom	Featureless	130	Grey	None	1608	6.8	0.02	44	-1	76	0.1	1.28
93J851729	None	0.0	0	Zero	Clear	Alluvial	Featureless	130	Red+brown	None	1708	-1.0	-1.00	-1	-1	61	0.1	0.89
93J851730	None	0.0	0	Zero	Clear	Organic predom	Featureless	022	Black	None	1708	-1.0	-1.00	-1	-1	106	0.1	0.46
93J851731	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Grey	Redbrown - black	1708	-1.0	-1.00	-1	-1	128	0.1	1.11
93J851732	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	1708	-1.0	-1.00	-1	-1	232	0.2	0.49
93J851733	Possible	0.6	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1808	7.3	0.09	24	-1	41	0.1	1.56
93J851734	Possible	0.6	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1808	7.3	0.08	26	-1	49	0.2	1.62
93J851735	Possible	2.0	20	Moderate	Clear	Glacial Till/Tillite	Featureless	130	Red+brown	None	1808	7.8	0.28	38	-1	66	0.2	0.52
93J851736	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1808	-1.0	-1.00	-1	-1	113	0.2	0.56
93J851737	None	0.6	10	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1908	7.3	0.14	48	-1	160	0.1	1.76
93J851738	None	0.9	20	Zero	Clear	Undef Unconsol	Featureless	120	Black	None	1908	6.8	0.02	30	-1	146	0.2	1.50
93J851739	None	0.2	10	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1908	6.6	0.02	40	-1	244	0.1	1.76
93J851740	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1908	-1.0	-1.00	-1	-1	46	0.2	0.95
93J851742	Possible	0.5	20	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1908	6.3	0.02	40	-1	335	0.1	1.09
93J851743	Forestry Activity	1.5	40	Zero	Brn transparent	Undef Unconsol	Featureless	120	Red+brown	None	1908	7.1	0.30	52	-1	219	0.1	1.54
93J851744	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	2009	-1.0	-1.00	-1	-1	60	0.1	0.87
93J851745	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1908	-1.0	-1.00	-1	-1	84	0.1	1.45
93J851746	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	021	Red+brown	None	2008	-1.0	-1.00	-1	-1	66	0.1	0.68
93J851747	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	2008	-1.0	-1.00	-1	-1	46	0.1	0.58
93J851748	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	2208	-1.0	-1.00	-1	-1	192	0.1	2.26
93J851749	None	0.5	10	Zero	Brn transparent	Undef Unconsol	Featureless	210	White+buff	None	2208	4.0	0.32	38	-1	112	0.1	2.08
93J851750	None	2.0	20	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	2208	4.0	0.02	44	-1	48	0.1	0.83
93J851751	None	0.7	20	Slow	Clear	Undef Unconsol	Featureless	210	White+buff	None	2208	7.5	0.07	62	-1	40	0.1	0.74

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851753	None	3.0	150	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	2208	6.4	0.02	26	-1	138	0.1	1.62
93J851754	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	003	Black	None	2608	-1.0	-1.00	-1	-1	316	0.1	0.65
93J851755	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	2608	-1.0	-1.00	-1	-1	1392	1.2	2.71
93J851756	Possible	0.0	0	Zero	Clear	Glacial Outwash,Moraine	Featureless	120	Black	None	2608	-1.0	-1.00	-1	-1	81	0.1	0.99
93J851757	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	2608	-1.0	-1.00	-1	-1	128	0.1	1.44
93J851758	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	2608	-1.0	-1.00	-1	-1	713	0.6	1.14
93J851759	Possible	0.6	20	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	2808	7.3	0.10	40	-1	61	0.1	0.85
93J851760	Possible	0.6	20	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	2808	7.3	0.12	42	-1	66	0.2	0.94
93J851762	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	2708	-1.0	-1.00	-1	-1	350	0.1	0.59
93J851763	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	2708	-1.0	-1.00	-1	-1	159	0.1	1.99
93J851764	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	2708	-1.0	-1.00	-1	-1	69	0.1	1.11
93J851765	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	031	Red+brown	None	2708	-1.0	-1.00	-1	-1	101	0.1	1.22
93J851766	None	1.2	20	Slow	Clear	Glacial Till/Tillite	Featureless	030	Red+brown	None	2908	7.4	0.18	30	-1	58	0.1	0.80
93J851767	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	220	Black	None	2908	-1.0	-1.00	-1	-1	240	0.2	1.59
93J851768	Forestry Activity	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	3008	7.6	0.29	36	-1	39	0.1	0.71
93J851769	Forestry Activity	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	3008	7.6	0.28	36	-1	39	0.1	0.65
93J851770	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	3008	-1.0	-1.00	-1	-1	222	2.2	0.99
93J851771	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	3008	-1.0	-1.00	-1	-1	75	0.1	1.26
93J851772	Possible	2.0	40	Slow	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	3008	7.8	0.20	10	-1	30	0.1	0.62
93J851773	Possible	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	3008	-1.0	-1.00	-1	-1	108	0.1	1.02
93J851774	Possible	1.5	10	Zero	Clear	Glacial Till/Tillite	Featureless	121	Grey	None	3008	7.2	0.40	34	-1	78	0.1	1.20
93J851776	Possible	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	3008	-1.0	-1.00	-1	-1	287	0.2	0.85
93J851777	Forestry Activity	3.5	60	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	3008	7.7	0.06	26	-1	62	0.1	1.13
93J851778	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	609	7.7	0.80	78	-1	118	0.1	1.24
93J851779	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	609	8.0	0.84	76	-1	107	0.1	1.04
93J851780	None	1.5	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	609	7.7	0.34	68	-1	108	0.1	1.07
93J851782	None	3.0	30	Zero	Brn transparent	Undef Unconsol	Featureless	031	Grey	None	609	8.2	0.62	78	-1	116	0.1	1.32
93J851783	None	2.5	40	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	609	8.9	0.62	72	-1	88	0.1	0.97
93J851784	None	0.2	40	Slow	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	609	7.6	0.29	70	-1	70	0.2	0.73
93J851785	None	3.0	60	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	609	7.8	0.20	36	-1	106	0.1	1.27
93J851786	None	2.5	40	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	609	7.1	0.02	26	-1	101	0.1	1.21
93J851787	None	3.0	30	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	609	7.4	0.02	28	-1	120	0.1	1.17
93J851788	None	2.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	130	Red+brown	None	609	6.9	0.02	26	-1	107	0.1	1.18
93J851789	None	0.5	10	Zero	Clear	Undef Unconsol	Featureless	031	Buff to brown	None	709	7.3	0.10	30	-1	78	0.1	0.98
93J851790	None	0.6	20	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	709	8.0	1.00	82	-1	57	0.1	0.83
93J851791	None	3.0	20	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	709	7.5	0.85	76	-1	49	0.1	0.82
93J851793	None	1.5	10	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	709	7.3	0.11	60	-1	70	0.1	1.01
93J851794	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	709	-1.0	-1.00	-1	-1	79	0.1	1.05
93J851795	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Red+brown	None	809	-1.0	-1.00	-1	-1	222	0.1	2.15
93J851796	Forestry Activity	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	809	-1.0	-1.00	-1	-1	144	0.1	1.69
93J851797	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	809	-1.0	-1.00	-1	-1	97	0.1	1.24
93J851798	Possible	1.5	20	Slow	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1409	6.5	0.02	22	-1	200	0.1	1.63
93J851799	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1409	5.6	0.02	10	-1	228	0.1	0.94
93J851800	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1409	5.9	0.02	10	-1	215	0.1	0.98
93J851802	None	2.5	30	Slow	Clear	Alluvial	Featureless	310	Red+brown	None	507	7.8	0.26	52	-1	151	0.1	0.82
93J851803	Possible	1.0	20	Slow	Brn transparent	Organic predom	Featureless	013	Black	None	507	7.7	0.02	38	-1	101	0.2	0.39
93J851804	Possible	2.5	20	Slow	Clear	Alluvial	Featureless	022	Red+brown	None	507	7.9	0.20	36	-1	68	0.2	1.00
93J851805	Possible	2.5	20	Slow	Clear	Alluvial	Featureless	022	Red+brown	None	507	8.1	0.18	50	-1	57	0.1	0.89
93J851806	None	1.0	10	Slow	Clear	Alluvial	Featureless	310	Red+brown	None	507	8.3	0.26	52	-1	87	0.1	1.16
93J851807	Possible	1.0	10	Moderate	Clear	Undef Unconsol	Featureless	220	Red+brown	None	507	7.8	0.21	52	-1	30	0.1	0.50
93J851808	None	1.5	10	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	507	8.2	0.44	56	-1	39	0.1	0.66
93J851809	None	0.0	0	Zero	Clear	Alluvial	Featureless	220	Red+brown	None	507	-1.0	-1.00	-1	-1	41	0.1	0.74

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851810	Possible	3.0	40	Slow	Clear	Alluvial	Featureless	310	Red+brown	None	607	7.7	0.02	52	-1	124	0.1	1.34
93J851811	None	3.0	10	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	607	7.6	0.06	38	-1	123	0.1	1.63
93J851813	None	1.0	10	Slow	Brn transparent	Undef Unconsol	Featureless	211	Red+brown	None	607	6.7	0.02	34	-1	-1	1	-1
93J851814	None	2.5	20	Slow	Clear	Undef Unconsol	Featureless	310	Red+brown	None	607	6.6	0.12	32	-1	128	0.1	1.81
93J851815	None	1.0	30	Zero	Brn transparent	Undef Unconsol	Featureless	120	White+buff	None	2107	7.4	0.09	52	-1	96	0.1	1.17
93J851816	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	White+buff	None	2107	-1.0	-1.00	-1	-1	87	0.2	1.44
93J851817	Possible	0.1	20	Zero	Brn Cloudy	Glacial Till/Tillite	Featureless	121	White+buff	None	2107	6.7	0.02	66	-1	88	0.1	1.51
93J851818	Possible	0.2	10	Zero	Brn Cloudy	Undef Unconsol	Featureless	210	White+buff	None	2107	-1.0	-1.00	-1	-1	62	0.1	1.31
93J851819	Forestry Activity	0.5	30	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	2107	-1.0	-1.00	-1	-1	45	0.1	0.92
93J851820	Forestry Activity	0.7	10	Slow	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	2107	-1.0	-1.00	-1	-1	42	0.1	0.90
93J851823	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	111	Grey	None	809	-1.0	-1.00	-1	-1	186	0.1	1.48
93J851824	None	1.0	10	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	809	6.5	0.02	80	-1	42	0.1	0.45
93J851825	None	2.0	20	Zero	Clear	Undef Unconsol	Featureless	210	Black	None	809	7.5	0.10	62	-1	58	0.1	1.04
93J851826	None	2.5	30	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	809	7.1	0.06	56	-1	253	0.1	1.55
93J851827	None	3.0	50	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	809	6.9	0.02	32	-1	219	0.1	1.08
93J851828	None	4.0	70	Slow	Clear	Undef Unconsol	Featureless	021	Black	None	809	6.9	0.34	50	-1	404	0.1	1.99
93J851829	None	1.5	20	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	809	6.6	0.02	34	-1	173	0.1	0.74
93J851830	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	111	Black	None	809	7.2	0.05	40	-1	118	0.1	1.17
93J851831	None	4.0	10	Slow	Clear	Undef Unconsol	Featureless	012	Black	None	809	7.1	0.02	36	-1	172	0.1	0.68
93J851832	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	White+buff	None	809	-1.0	-1.00	-1	-1	253	0.1	2.03
93J851833	None	2.0	30	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	809	6.3	0.02	30	-1	119	0.1	0.81
93J851834	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	809	5.9	0.02	34	-1	360	0.4	1.65
93J851835	None	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	022	Black	None	809	6.8	0.02	38	-1	1085	1	1.54
93J851836	None	1.5	30	Slow	Clear	Glacial Till/Tillite	Featureless	120	White+buff	None	809	6.9	0.06	38	-1	179	0.4	1.45
93J851837	None	2.5	0	Slow	Clear	Undef Unconsol	Featureless	121	White+buff	None	809	7.2	0.02	60	-1	26	0.1	0.66
93J851838	None	2.5	0	Slow	Clear	Undef Unconsol	Featureless	121	White+buff	None	809	7.1	0.02	58	-1	32	0.1	0.69
93J851839	None	1.2	20	Slow	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1409	5.3	0.14	24	-1	81	0.1	1.00
93J851840	None	1.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	210	Red+brown	None	1409	5.9	0.08	28	-1	140	0.1	1.61
93J851842	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	120	White+buff	None	1409	6.6	0.07	30	-1	59	0.1	0.63
93J851843	None	1.7	30	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1409	6.7	0.12	28	-1	98	0.1	1.17
93J851844	None	3.5	20	Moderate	Clear	Undef Unconsol	Featureless	210	White+buff	None	1409	6.8	0.05	30	-1	83	0.1	1.00
93J851845	None	2.5	40	Zero	Clear	Undef Unconsol	Featureless	120	White+buff	None	1409	6.4	0.09	24	-1	92	0.1	1.40
93J851846	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1409	6.6	0.02	26	-1	369	0.4	1.26
93J851847	None	1.5	10	Slow	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1409	6.7	0.14	30	-1	386	0.4	1.59
93J851848	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1409	-1.0	-1.00	-1	-1	153	0.1	0.96
93J851850	None	2.0	30	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1409	7.4	0.05	38	-1	365	0.1	1.47
93J851851	None	1.0	10	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1409	6.7	0.02	30	-1	676	0.6	0.95
93J851852	None	3.0	50	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1409	7.5	0.35	50	-1	367	0.2	1.17
93J851853	None	3.0	50	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1409	7.6	0.38	50	-1	352	0.2	1.09
93J851854	None	1.0	10	Zero	Clear	Glacial Till/Tillite	Featureless	120	White+buff	None	1409	7.0	0.15	42	-1	2571	2.6	1.35
93J851855	None	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1409	6.9	0.36	48	-1	638	0.6	0.64
93J851856	None	1.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1409	7.9	0.88	70	-1	756	0.8	0.82
93J851857	None	1.5	20	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	6.6	0.02	34	-1	836	0.6	1.58
93J851858	None	2.0	30	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1409	6.8	0.02	34	-1	226	0.1	1.00
93J851859	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	012	Black	None	1409	6.1	0.02	30	-1	108	0.1	0.19
93J851860	None	2.5	30	Moderate	Clear	Glacial Till/Tillite	Featureless	120	White+buff	None	1409	6.3	0.12	34	-1	149	0.2	0.77
93J851862	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	Red+brown	None	1409	-1.0	-1.00	-1	-1	372	0.6	1.14
93J851863	None	2.5	40	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	5.5	0.02	22	-1	205	0.1	2.58
93J851864	None	2.0	40	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1409	4.8	0.02	10	-1	153	0.1	0.34
93J851865	None	3.0	40	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1409	6.0	0.08	22	-1	192	0.1	2.13
93J851866	None	2.7	10	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1409	6.4	0.12	28	-1	244	0.1	1.46
93J851867	None	1.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1409	6.0	0.05	32	-1	134	0.1	0.95

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851868	None	1.5	20	Slow	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1409	6.5	0.18	26	-1	51	0.1	0.89
93J851869	None	3.0	20	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1409	6.3	0.20	32	-1	154	0.1	1.23
93J851870	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	Red+brown	None	1409	-1.0	-1.00	-1	-1	548	0.6	1.55
93J851871	None	2.5	10	Slow	Clear	Glacial Till/Tillite	Featureless	210	Red+brown	None	1409	6.3	0.06	28	-1	368	0.1	1.39
93J851872	None	0.0	0	Slow	Clear	Undef Unconsol	Featureless	021	Grey	None	1409	6.7	0.02	36	-1	84	0.1	1.17
93J851873	None	0.0	0	Slow	Clear	Undef Unconsol	Featureless	021	Grey	None	1409	6.8	0.02	38	-1	60	0.1	1.09
93J851874	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	012	Black	None	1409	6.8	0.02	40	-1	35	0.1	0.05
93J851876	None	3.0	40	Zero	Clear	Undef Unconsol	Featureless	211	Red+brown	None	1409	6.8	0.02	32	-1	193	0.1	1.28
93J851877	None	1.0	10	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	6.7	0.02	30	-1	377	0.4	0.51
93J851878	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1409	-1.0	-1.00	-1	-1	138	0.1	0.10
93J851879	None	3.0	20	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	7.3	0.18	42	-1	406	0.2	1.06
93J851880	None	2.0	40	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	7.4	0.05	40	-1	302	0.2	1.28
93J851882	None	1.0	30	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	6.8	0.02	34	-1	155	0.1	0.26
93J851883	None	3.0	40	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1409	7.4	0.10	40	-1	171	0.1	1.14
93J851884	None	3.0	200	Zero	Brn transparent	Undef Unconsol	Featureless	013	Red+brown	None	1409	7.0	0.09	52	-1	106	0.1	0.40
93J851885	None	3.0	200	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1409	7.1	0.02	48	-1	25	0.1	0.11
93J851886	None	4.0	200	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1409	7.6	0.10	44	-1	72	0.1	0.47
93J851887	None	5.0	200	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1409	6.3	0.32	46	-1	94	0.1	0.16
93J851888	None	5.0	300	Moderate	Clear	Undef Unconsol	Featureless	030	Grey	None	1409	7.4	0.15	44	-1	47	0.1	1.40
93J851890	Possible	1.0	50	Moderate	Clear	Undef Unconsol	Featureless	310	Grey	None	1409	8.0	0.27	36	-1	87	0.1	1.30
93J851891	None	0.4	10	Slow	Brn Cloudy	Undef Unconsol	Featureless	013	Red+brown	None	1409	7.3	0.48	86	-1	153	0.1	0.33
93J851892	None	1.2	40	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1509	7.5	0.11	46	-1	220	0.1	0.83
93J851893	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	103	White+buff	None	1509	-1.0	-1.00	-1	-1	128	0.1	0.20
93J851894	None	1.5	60	Zero	Clear	Undef Unconsol	Featureless	021	White+buff	None	1509	7.5	0.12	52	-1	68	0.1	0.59
93J851895	None	1.2	20	Slow	Clear	Undef Unconsol	Featureless	111	White+buff	None	1509	7.8	0.14	40	-1	110	0.1	0.88
93J851896	None	1.2	20	Slow	Clear	Undef Unconsol	Featureless	111	White+buff	None	1509	7.9	0.13	40	-1	72	0.1	0.57
93J851897	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	013	White+buff	None	1509	7.3	0.02	36	-1	39	0.1	0.06
93J851898	None	1.2	30	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1509	7.7	0.17	36	-1	391	0.1	1.23
93J851899	None	2.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1509	7.7	0.16	44	-1	270	0.2	1.14
93J851900	None	0.8	20	Slow	Clear	Undef Unconsol	Featureless	210	Red+brown	Redbrown - black	1509	8.0	0.08	50	-1	143	0.1	1.23
93J851902	None	2.0	50	Slow	Clear	Undef Unconsol	Featureless	111	Black	None	1509	6.9	0.02	24	-1	419	0.1	1.42
93J851903	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1509	7.4	0.15	110	-1	752	0.1	1.49
93J851904	None	0.2	10	Zero	Clear	Undef Unconsol	Featureless	111	Black	None	1509	7.7	0.09	38	-1	85	0.1	0.54
93J851906	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	030	White+buff	None	1509	7.8	0.34	28	-1	80	0.1	1.04
93J851907	None	1.0	30	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1509	7.9	0.28	32	-1	85	0.1	0.64
93J851908	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	1509	7.6	0.15	28	-1	66	0.1	0.25
93J851909	None	0.5	20	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1509	8.0	0.12	32	-1	55	0.1	0.69
93J851910	None	0.5	20	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1509	8.0	0.12	28	-1	50	0.1	0.67
93J851911	None	2.0	20	Zero	Clear	Undef Unconsol	Featureless	210	White+buff	None	1509	8.0	0.40	110	-1	332	0.6	0.81
93J851912	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	1509	-1.0	-1.00	-1	-1	84	0.1	0.86
93J851913	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	210	Grey	None	1509	8.0	0.15	44	-1	122	0.2	0.55
93J851914	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	310	Grey	None	1509	7.8	0.26	26	-1	175	0.1	1.03
93J851915	None	2.5	60	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1509	7.5	0.28	42	-1	63	0.1	0.49
93J851916	None	1.5	30	Moderate	Clear	Undef Unconsol	Featureless	310	Grey	None	1509	8.0	0.46	26	-1	53	0.1	1.39
93J851917	None	3.5	40	Fast	Clear	Glacial Till/Tillite	Featureless	310	Grey	None	1509	7.5	0.06	22	-1	22	0.1	1.13
93J851918	None	1.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	013	Grey	None	1509	8.1	0.30	36	-1	30	0.1	0.93
93J851919	None	4.0	50	Slow	Clear	Undef Unconsol	Featureless	310	Grey	None	1509	7.7	0.07	22	-1	33	0.1	1.11
93J851920	None	2.0	40	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1509	7.4	0.08	30	-1	84	0.2	0.84
93J851922	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	1509	7.0	0.05	28	-1	54	0.1	0.75
93J851923	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	1509	7.2	0.07	28	-1	32	0.1	0.65
93J851925	None	0.4	10	Zero	Clear	Undef Unconsol	Featureless	310	Grey	None	1509	8.0	0.10	26	-1	36	0.1	0.65
93J851926	None	3.0	100	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1509	7.8	0.18	10	-1	28	0.1	1.34

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851927	None	2.5	60	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1509	7.0	0.02	10	-1	91	0.1	1.23
93J851928	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1509	6.8	0.02	24	-1	72	0.1	1.13
93J851929	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1509	7.6	0.10	26	-1	99	0.1	0.79
93J851930	None	1.5	40	Slow	Clear	Undef Unconsol	Featureless	310	Grey	None	1509	7.3	0.08	24	-1	55	0.1	1.44
93J851931	None	0.5	10	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1509	7.7	0.07	28	-1	67	0.1	0.67
93J851932	None	3.0	40	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1509	7.4	0.05	22	-1	196	0.1	0.50
93J851933	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	310	Grey	None	1509	7.6	0.40	28	-1	151	0.1	0.85
93J851934	None	0.5	10	Slow	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1509	6.4	0.02	10	-1	1219	1	1.16
93J851935	None	1.0	50	Slow	Clear	Undef Unconsol	Featureless	021	Grey	None	1509	7.0	0.09	32	-1	668	0.8	0.69
93J851936	None	3.0	200	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1509	6.7	0.02	30	-1	1063	1	0.99
93J851937	None	1.5	50	Slow	Clear	Undef Unconsol	Featureless	121	Red+brown	None	1509	7.5	0.20	36	-1	1057	0.6	1.06
93J851938	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	509	-1.0	-1.00	-1	-1	78	0.1	0.08
93J851939	None	0.5	30	Slow	Clear	Undef Unconsol	Featureless	220	Red+brown	None	1509	6.8	0.02	58	-1	718	0.4	0.92
93J851940	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1509	7.4	0.02	36	-1	509	0.4	1.02
93J851942	None	2.0	100	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1509	6.9	0.02	24	-1	527	0.4	1.19
93J851943	None	2.0	100	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1509	7.0	0.02	22	-1	523	0.4	1.15
93J851944	None	1.0	50	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1509	7.9	0.12	30	-1	130	0.1	0.28
93J851945	None	4.0	300	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1509	7.6	0.07	28	-1	165	0.1	0.65
93J851947	None	3.0	100	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1509	7.2	0.02	26	-1	98	0.1	1.45
93J851948	None	2.0	30	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1509	7.4	0.08	26	-1	95	0.1	0.91
93J851949	None	1.5	50	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	1509	6.8	0.02	10	-1	111	0.1	0.99
93J851950	None	3.0	80	Slow	Clear	Glacial Till/Tillite	Featureless	130	Grey	Redbrown - black	1509	7.1	0.02	30	-1	357	0.1	0.51
93J851951	None	4.0	100	Moderate	Clear	Glacial Till/Tillite	Featureless	310	Grey	None	1509	7.3	0.02	10	-1	76	0.1	0.68
93J851952	None	1.0	100	Slow	Clear	Undef Unconsol	Featureless	013	Grey	None	1509	7.0	0.02	28	-1	706	0.6	1.34
93J851953	None	3.0	60	Moderate	Clear	Glacial Till/Tillite	Featureless	310	Grey	None	1509	7.1	0.08	22	-1	202	0.1	0.56
93J851954	None	4.0	50	Zero	Clear	Undef Unconsol	Featureless	003	Black	None	1609	6.8	0.02	40	-1	164	0.1	0.94
93J851955	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	1609	6.8	0.02	22	-1	436	0.6	2.20
93J851956	None	2.0	30	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1609	7.2	0.02	60	-1	155	0.1	1.31
93J851957	None	2.5	50	Zero	Clear	Undef Unconsol	Featureless	021	Grey	None	1609	6.7	0.02	66	-1	159	0.1	1.40
93J851958	None	1.5	20	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1609	6.4	0.10	34	-1	461	0.1	1.50
93J851959	None	3.0	30	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1609	6.5	0.18	36	-1	217	0.1	0.89
93J851960	None	2.5	20	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1609	6.7	0.02	34	-1	363	0.1	1.79
93J851962	None	2.0	10	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	7.7	0.20	52	-1	216	0.1	1.60
93J851963	None	3.0	50	Slow	Clear	Undef Unconsol	Featureless	030	Black	None	1609	6.8	0.02	32	-1	154	0.1	1.38
93J851964	None	2.5	30	Slow	Clear	Undef Unconsol	Featureless	012	Black	None	1609	6.2	0.02	34	-1	142	0.2	0.24
93J851965	None	2.0	10	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	7.4	0.14	48	-1	135	0.1	1.21
93J851966	None	4.0	20	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1609	6.9	0.02	30	-1	179	0.1	1.49
93J851967	None	2.0	10	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1609	6.7	0.02	32	-1	220	0.2	1.50
93J851968	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	030	Black	None	1609	6.6	0.02	28	-1	102	0.2	1.13
93J851969	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1609	6.7	0.02	26	-1	164	0.1	0.78
93J851971	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1609	6.2	0.02	26	-1	93	0.1	0.26
93J851972	None	3.0	50	Slow	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1609	6.6	0.02	40	-1	97	0.1	1.07
93J851973	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1609	6.9	0.02	32	-1	137	0.1	1.30
93J851974	None	2.0	30	Slow	Clear	Undef Unconsol	Featureless	022	Black	None	1609	5.8	0.02	22	-1	210	0.1	1.12
93J851975	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.8	0.07	74	-1	268	0.2	0.67
93J851976	None	1.0	30	Slow	Clear	Undef Unconsol	Featureless	111	Black	None	1609	5.8	0.05	34	-1	239	0.4	1.18
93J851977	None	2.5	60	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	1609	6.6	0.02	24	-1	201	0.1	1.80
93J851978	None	3.0	80	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1609	7.2	0.02	22	-1	149	0.2	1.36
93J851979	None	3.0	80	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1609	7.0	0.02	22	-1	161	0.2	1.42
93J851980	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1609	6.8	0.02	10	-1	434	0.4	1.75
93J851982	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	4.8	0.02	10	-1	290	1.2	0.18
93J851983	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	1609	6.9	0.02	30	-1	148	0.1	1.76

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J851984	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	1609	6.9	0.02	32	-1	132	0.2	1.76
93J851985	None	0.4	10	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	7.3	0.02	30	-1	192	0.1	1.80
93J851986	None	2.0	40	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1609	6.2	0.02	10	-1	250	0.2	1.49
93J851987	None	1.8	30	Moderate	Clear	Undef Unconsol	Featureless	120	Grey	None	1609	5.8	0.02	24	-1	1416	1.2	1.94
93J851988	None	2.5	30	Moderate	Clear	Glacial Till/Tillite	Featureless	003	Red+brown	None	1609	6.8	0.02	26	-1	157	0.1	1.92
93J851989	None	3.0	50	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1609	7.6	0.02	36	-1	273	0.1	1.78
93J851990	None	2.5	30	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1609	6.9	0.02	28	-1	155	0.1	1.60
93J851991	None	2.0	50	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	7.1	0.02	38	-1	670	0.4	2.30
93J851992	None	2.0	30	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	6.2	0.02	34	-1	510	0.2	1.99
93J851993	None	3.0	60	Zero	Clear	Undef Unconsol	Featureless	003	Red+brown	None	1609	6.3	0.02	34	-1	413	0.4	0.49
93J851994	None	0.6	40	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1609	6.8	0.02	42	-1	561	0.2	2.12
93J851996	None	2.5	40	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1609	7.0	0.07	48	-1	532	0.2	2.31
93J851997	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	210	Grey	None	1609	6.4	0.26	34	-1	335	0.1	1.82
93J851998	None	2.0	30	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	Redbrown - black	1609	5.6	0.13	26	-1	464	0.4	1.76
93J851999	None	1.2	20	Zero	Clear	Undef Unconsol	Featureless	003	Red+brown	None	1609	4.8	0.02	22	-1	601	0.6	1.29
93J853000	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1609	6.4	0.07	50	-1	-1	-1	-1
93J853002	None	1.2	30	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1609	5.9	0.09	28	-1	195	0.1	1.80
93J853003	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1609	-1.0	-1.00	-1	-1	395	0.2	2.41
93J853004	None	1.0	40	Slow	Clear	Glacial Till/Tillite	Featureless	030	Black	None	1609	7.2	0.02	40	-1	141	0.2	1.35
93J853005	None	0.5	20	Slow	Clear	Undef Unconsol	Featureless	031	Grey	None	1609	6.6	0.02	36	-1	188	0.2	1.42
93J853006	None	2.0	100	Slow	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1609	6.7	0.02	66	-1	130	0.1	1.18
93J853007	None	3.0	200	Slow	Brn transparent	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.6	0.04	64	-1	215	0.2	1.75
93J853008	None	1.0	40	Slow	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1609	6.9	0.02	34	-1	136	0.1	1.77
93J853009	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1609	-1.0	-1.00	-1	-1	196	0.1	1.88
93J853010	None	1.0	40	Slow	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	5.5	0.02	26	-1	286	0.2	0.68
93J853011	None	1.5	100	Slow	Brn transparent	Undef Unconsol	Featureless	130	Grey	None	1609	6.3	0.11	110	-1	235	0.2	1.43
93J853012	None	1.5	100	Slow	Brn transparent	Undef Unconsol	Featureless	012	Red+brown	None	1609	5.9	0.02	42	-1	479	0.6	1.39
93J853013	None	2.5	100	Slow	Clear	Undef Unconsol	Featureless	021	Black	None	1609	5.9	0.02	26	-1	508	0.2	1.44
93J853014	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1609	6.8	0.02	38	-1	137	0.1	1.44
93J853016	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	7.1	0.02	46	-1	94	0.1	1.26
93J853017	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	7.2	0.02	48	-1	94	0.2	1.22
93J853018	None	0.5	40	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1609	6.6	0.02	32	-1	285	0.2	1.51
93J853019	None	0.6	30	Slow	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1609	6.9	0.02	38	-1	219	0.1	1.55
93J853020	None	0.4	40	Slow	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1609	4.6	0.02	24	-1	150	0.2	0.26
93J853022	None	3.0	200	Slow	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	1609	7.2	0.02	44	-1	156	0.2	0.85
93J853024	None	3.0	100	Moderate	Brn transparent	Glacial Till/Tillite	Featureless	022	Black	None	1609	6.9	0.02	54	-1	184	0.1	1.35
93J853025	None	2.0	80	Slow	Brn transparent	Undef Unconsol	Featureless	013	Red+brown	None	1609	6.7	0.02	40	-1	190	0.1	1.18
93J853026	None	0.4	30	Slow	Brn transparent	Undef Unconsol	Featureless	030	Black	None	1609	6.4	0.02	38	-1	203	0.1	1.90
93J853027	None	2.0	100	Slow	Brn transparent	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.1	0.02	34	-1	258	0.1	0.86
93J853028	None	1.0	40	Slow	Clear	Undef Unconsol	Featureless	003	Red+brown	None	1609	6.0	0.02	10	-1	536	0.4	0.92
93J853029	None	0.5	50	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	6.6	0.02	26	-1	525	0.2	0.94
93J853030	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	7.2	0.02	36	-1	243	0.1	1.58
93J853031	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	7.3	0.02	40	-1	55	0.1	0.96
93J853032	Forestry Activity	0.5	20	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	6.6	0.02	43	-1	127	0.1	0.96
93J853033	None	1.2	40	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1609	7.2	0.05	40	-1	295	0.1	2.43
93J853034	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	1609	7.5	0.16	48	-1	36	0.1	0.80
93J853035	None	2.0	40	Slow	Clear	Undef Unconsol	Featureless	130	Grey	None	1609	7.4	0.13	48	-1	35	0.1	0.79
93J853036	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	-1.0	-1.00	-1	-1	304	0.1	0.46
93J853037	None	0.6	40	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1609	6.0	0.02	34	-1	108	0.1	0.15
93J853038	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	1609	6.7	0.02	48	-1	288	0.1	1.26
93J853039	None	0.4	20	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1609	6.4	0.02	32	-1	252	0.4	0.73
93J853040	None	0.3	10	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1609	6.4	0.02	34	-1	358	0.4	0.70

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J853042	None	1.0	30	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	7.2	0.03	52	-1	60	0.2	0.81
93J853043	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	1609	7.2	0.02	40	-1	104	0.1	0.89
93J853044	None	4.0	100	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.8	0.07	54	-1	143	0.4	0.84
93J853046	None	1.5	40	Zero	Brn Cloudy	Undef Unconsol	Featureless	003	Yellow	None	1609	6.5	0.02	36	-1	274	0.1	1.27
93J853047	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1609	6.1	0.02	26	-1	592	0.2	2.57
93J853048	None	0.6	20	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1609	6.5	0.02	36	-1	50	0.1	0.08
93J853049	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.7	0.46	86	-1	50	0.1	0.14
93J853050	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.8	0.02	34	-1	518	0.1	1.55
93J853051	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1609	6.3	0.02	30	-1	119	0.2	0.26
93J853052	None	1.2	20	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1709	6.5	0.02	32	-1	41	0.2	0.05
93J853053	None	1.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	012	Black	None	1709	6.3	0.02	30	-1	32	0.1	0.05
93J853054	None	2.5	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1709	7.2	0.09	26	-1	23	0.1	0.76
93J853055	None	2.5	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1709	7.2	0.09	28	-1	20	0.1	0.75
93J853056	None	0.5	20	Fast	Brn transparent	Glacial Till/Tillite	Featureless	210	Grey	None	1709	6.7	0.06	30	-1	42	0.1	0.71
93J853057	None	1.0	20	Fast	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1709	7.0	0.11	32	-1	22	0.1	0.72
93J853058	None	2.5	40	Moderate	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.9	0.08	26	-1	28	0.1	0.97
93J853059	None	2.0	20	Moderate	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.4	0.10	22	-1	28	0.1	0.98
93J853060	None	3.0	60	Fast	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1709	6.3	0.06	10	-1	33	0.1	0.99
93J853062	None	1.5	20	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1709	5.8	0.05	10	-1	61	0.1	1.44
93J853063	None	4.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.3	0.05	10	-1	22	0.1	0.75
93J853064	None	4.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.3	0.04	10	-1	20	0.1	0.70
93J853065	None	3.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.1	0.04	10	-1	27	0.2	0.82
93J853066	None	2.0	20	Fast	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1709	6.0	0.02	10	-1	18	0.2	0.71
93J853067	None	2.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	5.9	0.02	10	-1	12	0.1	0.53
93J853068	None	2.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.0	0.02	10	-1	16	0.1	0.56
93J853069	None	2.2	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	121	Grey	None	1709	6.0	0.03	10	-1	34	0.1	0.90
93J853070	None	3.0	40	Fast	Clear	Glacial Till/Tillite	Featureless	121	Red+brown	None	1709	5.9	0.02	10	-1	44	0.1	1.19
93J853071	None	3.0	40	Fast	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.2	0.02	26	-1	32	0.1	1.17
93J853072	None	4.0	60	Fast	Clear	Glacial Till/Tillite	Featureless	121	Grey	None	1709	6.5	0.02	10	-1	21	0.1	0.86
93J853073	None	4.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.5	0.02	10	-1	32	0.1	1.42
93J853074	None	3.0	30	Moderate	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1709	6.0	0.02	10	-1	23	0.1	0.87
93J853075	None	4.0	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.1	0.02	22	-1	33	0.1	1.48
93J853076	None	4.5	40	Fast	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.4	0.02	10	-1	40	0.1	1.14
93J853078	None	2.5	20	Fast	Clear	Glacial Till/Tillite	Featureless	120	Red+brown	None	1709	6.3	0.02	10	-1	56	0.1	1.07
93J853079	None	4.5	30	Fast	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1709	6.5	0.02	10	-1	28	0.1	1.14
93J853080	None	2.0	20	Moderate	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.4	0.02	10	-1	40	0.1	0.80
93J853083	None	3.0	20	Moderate	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.3	0.02	10	-1	17	0.1	0.72
93J853084	None	2.0	20	Fast	Brn transparent	Glacial Till/Tillite	Featureless	121	Grey	None	1709	6.5	0.02	26	-1	39	0.1	0.89
93J853085	None	2.0	20	Fast	Brn transparent	Glacial Till/Tillite	Featureless	121	Grey	None	1709	6.5	0.02	28	-1	43	0.1	0.94
93J853086	None	4.9	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.7	0.11	10	-1	16	0.1	0.51
93J853087	None	2.0	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.9	0.02	10	-1	17	0.1	0.47
93J853088	None	1.7	20	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.6	0.09	10	-1	35	0.1	1.28
93J853089	None	2.5	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.5	0.11	10	-1	40	0.1	1.10
93J853090	None	3.0	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.8	0.13	10	-1	27	0.1	0.83
93J853091	None	4.5	40	Moderate	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1709	7.9	0.18	10	-1	19	0.1	0.57
93J853092	None	2.7	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.4	0.06	22	-1	42	0.1	0.76
93J853093	None	3.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	021	Red+brown	None	1709	6.0	0.02	28	-1	15	0.2	1.36
93J853094	None	4.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.5	0.08	10	-1	20	0.2	1.06
93J853095	None	2.0	20	Slow	Brn transparent	Undef Unconsol	Featureless	120	Grey	None	1709	6.8	0.06	28	-1	47	0.1	1.27
93J853096	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1709	5.5	0.02	10	-1	63	0.1	1.61
93J853097	None	2.5	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	120	Grey	None	1709	5.5	0.02	26	-1	51	0.1	1.11
93J853098	None	0.5	10	Moderate	Brn transparent	Undef Unconsol	Featureless	220	Grey	None	1709	6.0	0.02	34	-1	87	0.1	1.30

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J853099	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1809	-1.0	-1.00	-1	-1	819	0.6	2.84
93J853100	None	4.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	030	Grey	None	1709	8.0	0.05	22	-1	24	0.2	0.61
93J853102	None	3.0	50	Moderate	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	1709	6.8	0.02	24	-1	46	0.1	1.17
93J853103	None	2.5	30	Fast	Brn transparent	Glacial Till/Tillite	Featureless	121	Grey	None	1709	5.9	0.02	22	-1	36	0.2	1.02
93J853104	None	1.5	20	Fast	Clear	Glacial Till/Tillite	Featureless	022	Grey	None	1709	5.9	0.04	32	-1	36	0.1	1.40
93J853105	None	3.0	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	021	Grey	None	1709	6.0	0.02	30	-1	26	0.2	1.74
93J853106	None	4.0	40	Fast	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	5.9	0.02	30	-1	37	0.1	1.39
93J853107	None	3.8	40	Fast	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.1	0.02	26	-1	27	0.1	1.55
93J853108	None	4.5	60	Fast	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	5.8	0.06	30	-1	59	0.1	1.88
93J853109	None	2.0	60	Zero	Brn transparent	Undef Unconsol	Featureless	120	Grey	None	1709	5.9	0.03	26	-1	71	0.1	1.44
93J853110	None	2.0	60	Zero	Brn transparent	Undef Unconsol	Featureless	120	Grey	None	1709	5.9	0.04	26	-1	80	0.1	1.58
93J853111	None	1.5	20	Zero	Brn transparent	Undef Unconsol	Featureless	030	Grey	None	1709	5.5	0.03	24	-1	38	0.1	1.76
93J853112	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1709	-1.0	-1.00	-1	-1	33	0.2	1.23
93J853113	None	1.2	40	Slow	Brn transparent	Undef Unconsol	Featureless	030	Red+brown	None	1709	6.8	0.02	38	-1	22	0.2	0.70
93J853114	None	2.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	121	Red+brown	None	1709	6.4	0.02	30	-1	52	0.1	1.16
93J853115	None	1.5	50	Moderate	Clear	Glacial Till/Tillite	Featureless	130	Grey	None	1709	8.0	0.20	32	-1	61	0.1	0.83
93J853116	None	2.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.2	0.11	42	-1	34	0.2	0.99
93J853117	None	4.0	40	Fast	Clear	Glacial Till/Tillite	Featureless	310	Grey	None	1709	6.3	0.06	26	-1	30	0.2	1.24
93J853118	None	2.0	50	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1709	6.6	0.11	30	-1	20	0.1	0.85
93J853119	None	4.5	40	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1709	6.5	0.04	30	-1	40	0.2	0.97
93J853122	None	4.0	50	Moderate	Clear	Glacial Till/Tillite	Featureless	310	Grey	None	1709	6.4	0.07	34	-1	24	0.1	0.96
93J853123	None	2.0	20	Fast	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	6.2	0.03	28	-1	54	0.1	1.06
93J853124	None	3.0	30	Fast	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1709	6.0	0.02	26	-1	27	0.1	0.92
93J853125	None	4.0	40	Fast	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	1709	6.0	0.04	26	-1	36	0.1	1.21
93J853126	None	4.0	20	Moderate	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	1709	6.6	0.07	28	-1	33	0.2	1.12
93J853127	None	3.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	211	Grey	None	1709	6.4	0.02	28	-1	37	0.2	0.93
93J853128	None	3.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	211	Grey	None	1709	6.5	0.10	28	-1	36	0.1	0.82
93J853129	None	2.7	40	Fast	Brn transparent	Glacial Till/Tillite	Featureless	220	Grey	None	1709	6.2	0.08	26	-1	24	0.1	0.96
93J853130	None	1.5	10	Moderate	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1709	7.3	0.12	36	-1	20	0.1	0.83
93J853131	None	2.8	30	Fast	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1709	6.3	0.05	26	-1	25	0.1	0.83
93J853132	None	3.5	20	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1709	6.8	0.07	30	-1	19	0.1	0.97
93J853133	None	1.0	60	Slow	Brn transparent	Undef Unconsol	Featureless	013	Red+brown	None	1809	6.6	0.02	40	-1	122	0.2	0.40
93J853134	None	2.0	40	Slow	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	1809	6.9	0.02	46	-1	118	0.2	1.27
93J853136	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Grey	None	1809	6.9	0.02	38	-1	83	0.1	1.11
93J853137	None	2.5	40	Slow	Clear	Undef Unconsol	Featureless	120	Grey	None	1809	6.0	0.02	24	-1	469	0.4	2.58
93J853138	None	3.4	120	Slow	Brn transparent	Undef Unconsol	Featureless	031	Red+brown	None	1809	8.0	0.65	54	-1	207	0.1	1.58
93J853139	None	3.0	200	Slow	Clear	Undef Unconsol	Featureless	022	Black	None	1809	7.5	0.54	62	-1	187	0.2	1.84
93J853140	None	1.0	40	Moderate	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1809	7.9	0.44	60	-1	214	0.1	1.62
93J853142	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	Red+brown	None	1809	-1.0	-1.00	-1	-1	152	0.2	1.11
93J853143	None	1.0	50	Slow	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1809	6.3	0.02	48	-1	107	0.2	0.38
93J853144	None	4.0	100	Slow	Brn transparent	Undef Unconsol	Featureless	022	Red+brown	None	1809	6.6	0.02	46	-1	199	0.1	1.07
93J853145	Forestry Activity	4.5	200	Slow	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1809	6.4	0.05	50	-1	191	0.1	1.51
93J853146	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1809	6.0	0.02	36	-1	411	0.2	3.58
93J853147	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1809	6.2	0.02	42	-1	267	0.1	1.24
93J853149	None	2.0	100	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	1809	7.6	0.15	48	-1	193	0.1	1.99
93J853150	None	4.0	150	Slow	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1809	6.5	0.02	50	-1	121	0.1	0.99
93J853151	None	3.0	100	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	1809	6.6	0.02	42	-1	181	0.1	1.29
93J853152	None	1.0	40	Slow	Clear	Undef Unconsol	Featureless	030	Black	None	1809	6.7	0.02	54	-1	359	0.2	2.59
93J853153	None	5.0	300	Slow	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1809	7.0	0.04	50	-1	247	0.1	1.76
93J853154	None	3.5	120	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1809	7.4	0.08	48	-1	181	0.1	0.87
93J853155	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1809	6.7	0.02	52	-1	421	0.2	1.15
93J853156	None	1.5	20	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	1809	6.1	0.02	52	-1	122	0.1	1.28

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J853157	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	1809	7.4	0.02	54	-1	89	0.1	1.10
93J853158	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1809	5.7	0.02	26	-1	318	0.2	2.26
93J853159	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1809	5.7	0.02	34	-1	326	0.2	2.28
93J853160	None	0.5	20	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1809	6.4	0.02	32	-1	139	0.2	1.10
93J853162	None	1.0	40	Zero	Bm Cloudy	Undef Unconsol	Featureless	031	Red+brown	None	1809	6.3	0.02	36	-1	245	0.1	0.64
93J853163	None	1.2	20	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1809	6.0	0.02	38	-1	205	0.2	0.77
93J853164	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1809	7.1	0.12	60	-1	89	0.1	1.33
93J853165	None	1.5	40	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1809	7.2	0.11	60	-1	87	0.1	1.24
93J853166	None	3.0	110	Zero	Clear	Undef Unconsol	Featureless	031	Black	None	1809	6.7	0.02	42	-1	214	0.1	1.82
93J853167	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	211	Grey	None	1809	7.0	0.02	56	-1	172	0.2	1.56
93J853168	None	1.4	40	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1809	6.7	0.02	42	-1	151	0.1	0.60
93J853169	None	2.5	60	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1809	6.7	0.02	38	-1	213	0.1	1.27
93J853170	None	4.0	100	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1809	6.6	0.02	44	-1	172	0.1	0.43
93J853171	None	1.0	30	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1809	7.2	0.24	80	-1	236	0.2	1.83
93J853172	None	4.0	110	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1809	7.0	0.02	110	-1	39	0.1	0.74
93J853173	None	1.2	20	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1809	6.1	0.02	40	-1	168	0.1	0.97
93J853174	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1809	-1.0	-1.00	-1	-1	138	0.1	1.11
93J853175	None	2.5	60	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1809	6.2	0.02	40	-1	167	0.1	0.63
93J853176	None	4.0	100	Zero	Clear	Undef Unconsol	Featureless	013	Yellow	None	1809	7.0	0.02	42	-1	221	0.1	1.39
93J853177	None	3.5	120	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	1809	7.1	0.24	42	-1	348	0.4	2.18
93J853178	None	2.5	80	Zero	Clear	Undef Unconsol	Featureless	013	Yellow	None	1809	6.4	0.02	40	-1	408	0.1	1.18
93J853179	None	1.4	40	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	1809	6.7	0.02	32	-1	422	0.4	2.48
93J853182	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1809	-1.0	-1.00	-1	-1	197	0.1	1.46
93J853183	None	3.5	40	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1809	7.0	0.07	36	-1	279	0.4	1.74
93J853184	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1809	8.0	0.43	32	-1	264	0.2	1.56
93J853186	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1809	-1.0	-1.00	-1	-1	710	0.8	2.27
93J853187	None	1.4	40	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	1809	7.6	0.04	22	-1	188	0.1	1.55
93J853188	None	1.4	40	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	1809	7.2	0.06	10	-1	148	0.2	1.40
93J853189	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1809	-1.0	-1.00	-1	-1	169	0.2	1.85
93J853190	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	120	Red+brown	None	1809	7.5	0.34	32	-1	126	0.1	1.37
93J853191	Agriculture	1.0	20	Zero	Clear	Undef Unconsol	Featureless	021	Red+brown	None	1809	6.1	0.02	10	-1	292	0.2	2.87
93J853192	None	1.4	40	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	1809	7.8	0.65	34	-1	83	0.1	1.06
93J853193	None	4.0	40	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1809	6.0	0.02	10	-1	214	0.4	1.00
93J853194	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	1809	-1.0	-1.00	-1	-1	640	0.2	3.95
93J853195	None	1.0	40	Zero	Bm transparent	Undef Unconsol	Featureless	121	Black	None	1809	5.7	0.02	24	-1	239	0.1	1.52
93J853196	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	022	Black	None	1809	-1.0	-1.00	-1	-1	426	0.2	2.58
93J853197	None	3.0	60	Zero	Clear	Undef Unconsol	Featureless	112	Black	None	1809	6.6	0.02	24	-1	231	0.1	1.70
93J853198	None	4.5	100	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1809	6.2	0.02	22	-1	355	0.1	1.06
93J853199	None	0.8	20	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1809	6.4	0.02	22	-1	312	0.2	2.93
93J853200	None	3.0	30	Zero	Clear	Undef Unconsol	Featureless	030	Black	None	1809	6.7	0.02	22	-1	619	0.4	1.82
93J853202	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1809	-1.0	-1.00	-1	-1	190	0.2	1.43
93J853203	None	2.0	10	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1809	6.7	0.02	30	-1	214	0.2	1.61
93J853204	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	121	Black	None	1809	6.9	0.02	24	-1	285	0.1	1.49
93J853205	None	0.5	10	Zero	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1809	7.9	0.04	30	-1	166	0.1	1.46
93J853206	None	1.0	20	Slow	Clear	Undef Unconsol	Featureless	220	Grey	None	1809	7.2	0.02	28	-1	133	0.1	1.30
93J853207	None	0.7	10	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1809	5.7	0.11	26	-1	452	0.4	1.40
93J853208	None	3.0	30	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1809	7.2	0.05	26	-1	262	0.2	1.57
93J853209	None	3.0	30	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1809	7.4	0.06	26	-1	260	0.1	1.53
93J853210	None	2.0	20	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	1809	6.5	0.06	28	-1	256	0.1	1.54
93J853211	None	2.5	20	Zero	Clear	Undef Unconsol	Featureless	031	Grey	None	1809	6.8	0.02	32	-1	155	0.1	1.11
93J853212	None	1.5	30	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	1809	8.2	1.80	36	-1	149	0.1	1.35
93J853213	None	1.0	10	Slow	Clear	Undef Unconsol	Featureless	121	Grey	None	1809	7.2	0.02	30	-1	235	0.2	1.31

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MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J853215	None	2.5	30	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1809	6.5	0.02	28	-1	338	0.1	0.79
93J853216	None	1.0	10	Zero	Clear	Undef Unconsol	Featureless	130	Grey	None	1809	7.5	0.06	30	-1	155	0.1	1.43
93J853217	None	3.0	40	Zero	Clear	Undef Unconsol	Featureless	013	Black	None	1809	6.3	0.02	26	-1	196	0.1	0.57
93J853218	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1909	6.1	0.02	24	-1	114	0.1	1.12
93J853219	None	1.5	20	Zero	Clear	Undef Unconsol	Featureless	210	Grey	None	1909	6.9	0.02	26	-1	117	0.2	0.75
93J853220	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1909	5.7	0.02	10	-1	93	0.2	0.77
93J853223	None	1.0	30	Zero	Clear	Undef Unconsol	Featureless	120	Grey	Redbrown - black	1909	5.9	0.02	10	-1	78	0.2	0.92
93J853224	None	3.0	50	Zero	Clear	Undef Unconsol	Featureless	003	Yellow	None	1909	4.4	0.02	10	-1	338	0.2	0.35
93J853225	None	0.5	10	Zero	Clear	Undef Unconsol	Featureless	121	Red+brown	None	1909	6.2	0.02	10	-1	59	0.1	0.89
93J853226	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	031	Red+brown	None	1909	6.0	0.02	10	-1	88	0.2	1.18
93J853227	Possible	1.4	40	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1909	6.6	0.28	34	-1	95	0.2	1.22
93J853228	Possible	1.4	40	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1909	6.7	0.25	36	-1	83	0.1	1.15
93J853229	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	121	White+buff	None	1909	7.5	0.20	32	-1	53	0.1	1.11
93J853230	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	120	Grey	None	1909	-1.0	-1.00	-1	-1	122	0.1	1.86
93J853231	None	1.0	20	Zero	Clear	Glacial Till/Tillite	Featureless	220	Red+brown	None	1909	7.9	1.70	38	-1	67	0.2	0.90
93J853232	None	1.2	20	Slow	Clear	Glacial Till/Tillite	Featureless	130	Grey	None	1909	7.3	1.10	34	-1	42	0.1	0.76
93J853233	None	1.2	40	Zero	Clear	Undef Unconsol	Featureless	030	Red+brown	None	1909	5.4	0.02	10	-1	132	0.2	1.44
93J853234	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	013	Yellow	None	1909	5.7	0.02	22	-1	170	0.2	0.41
93J853235	None	1.0	20	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1909	6.8	0.02	34	-1	114	0.1	1.44
93J853236	None	2.0	50	Zero	Clear	Undef Unconsol	Featureless	030	Grey	None	1909	5.9	0.02	32	-1	110	0.1	1.15
93J853237	None	0.7	10	Zero	Clear	Undef Unconsol	Featureless	111	Black	None	1909	5.4	0.02	26	-1	280	0.1	0.77
93J853238	None	1.3	30	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1909	6.7	0.02	40	-1	187	0.1	1.12
93J853239	None	2.0	20	Zero	Brn transparent	Undef Unconsol	Featureless	012	Red+brown	None	1909	6.5	0.02	42	-1	403	0.1	0.70
93J853240	None	2.7	10	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1909	6.5	0.02	28	-1	694	0.1	3.02
93J853242	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1909	-1.0	-1.00	-1	-1	309	0.1	2.22
93J853243	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	120	Black	None	1909	-1.0	-1.00	-1	-1	104	0.1	0.94
93J853244	None	3.0	20	Zero	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1909	6.8	0.05	34	-1	82	0.1	0.92
93J853245	None	3.0	10	Zero	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1909	6.5	0.02	30	-1	53	0.1	0.66
93J853246	None	2.7	40	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1909	5.6	0.02	34	-1	283	0.1	0.89
93J853247	None	4.0	50	Zero	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1909	7.1	0.12	36	-1	74	0.1	0.87
93J853248	None	2.0	20	Zero	Clear	Glacial Till/Tillite	Featureless	021	Grey	None	1909	6.5	0.02	46	-1	333	0.1	1.37
93J853249	None	2.0	20	Zero	Clear	Glacial Till/Tillite	Featureless	021	Grey	None	1909	6.5	0.02	44	-1	334	0.1	1.33
93J853250	None	2.5	30	Zero	Clear	Undef Unconsol	Featureless	121	Grey	None	1909	6.2	0.02	30	-1	315	0.1	1.95
93J853251	None	3.0	10	Zero	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1909	6.8	0.02	30	-1	56	0.1	0.91
93J853252	None	2.7	40	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1909	6.8	0.02	72	-1	196	0.1	1.39
93J853253	None	4.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1909	7.7	0.31	70	-1	32	0.1	0.64
93J853254	None	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1909	6.8	0.29	64	-1	55	0.1	0.74
93J853255	None	3.0	30	Zero	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	1909	6.9	0.29	46	-1	34	0.1	0.80
93J853256	None	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	120	Grey	None	1909	7.0	0.02	40	-1	61	0.1	0.79
93J853257	None	4.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1909	7.2	0.41	48	-1	53	0.1	1.11
93J853258	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1909	-1.0	-1.00	-1	-1	226	0.1	1.68
93J853260	None	1.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1909	7.3	0.25	42	-1	72	0.2	0.91
93J853262	None	0.0	0	Zero	Clear	Glacial Till/Tillite	Featureless	210	Grey	None	1909	-1.0	-1.00	-1	-1	107	0.1	1.34
93J853263	None	2.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1909	8.1	2.20	110	-1	48	0.1	0.82
93J853264	None	1.7	10	Slow	Clear	Glacial Till/Tillite	Featureless	220	Grey	None	1909	6.9	0.71	68	-1	48	0.1	0.76
93J853265	None	2.0	10	Slow	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1909	7.6	1.30	90	-1	27	0.1	0.57
93J853266	None	1.5	20	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1909	6.1	0.02	46	-1	193	0.2	1.79
93J853267	None	2.0	40	Zero	Clear	Undef Unconsol	Featureless	220	Grey	None	1909	6.7	0.08	44	-1	47	0.2	0.49
93J853269	None	0.0	0	Zero	Clear	Undef Unconsol	Featureless	210	Red+brown	None	1909	-1.0	-1.00	-1	-1	56	0.1	1.03
93J853270	None	2.5	40	Zero	Clear	Undef Unconsol	Featureless	021	Black	None	1909	6.4	0.02	44	-1	330	0.1	1.64
93J853271	None	3.0	60	Zero	Clear	Undef Unconsol	Featureless	022	Grey	None	1909	7.0	0.02	36	-1	114	0.1	1.18
93J853272	None	2.2	40	Zero	Clear	Undef Unconsol	Featureless	012	Black	None	1909	6.3	0.02	28	-1	314	0.2	0.83

Appendix A - Sample Information and Analytical Data

MASTER_ID	CONTAM.	WIDTH_M	DEPTH_CM	STR_FLOW	WATER_COL	BANK_MATERIAL	ROCK_PPT	SAM_CMP	SAMP_COL	SED_PPT	DATE	PH	UW	FW	SO4	Ag_ppb_MS	Ag_ppm_AA	Al_%_MS
93J853273	None	2.5	60	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1909	6.0	0.02	24	-1	222	0.1	1.44
93J853274	None	2.0	30	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1909	6.2	0.02	26	-1	279	0.1	1.57
93J853275	None	2.0	30	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1909	6.3	0.02	28	-1	314	0.1	1.54
93J853276	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1909	6.0	0.02	26	-1	296	0.2	0.81
93J853277	None	2.0	60	Zero	Clear	Undef Unconsol	Featureless	012	Red+brown	None	1909	6.2	0.02	30	-1	158	0.1	1.07
93J853278	None	3.0	60	Zero	Clear	Undef Unconsol	Featureless	022	Red+brown	None	1909	-1.0	-1.00	-1	-1	236	0.1	1.41
93J853279	None	1.0	40	Zero	Clear	Undef Unconsol	Featureless	013	Red+brown	None	1909	-1.0	-1.00	-1	-1	385	0.2	1.26
93J853280	None	1.0	20	Slow	Clear	Glacial Till/Tillite	Featureless	030	Grey	None	1909	-1.0	-1.00	-1	-1	108	0.1	1.17

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851002	3.5	3.2	1.3	4	260	122.5	0.19	0.43	0.1	0.27	8	8.8	21.6	15	15.87	2.50
93J851003	2.5	2.6	0.8	2	200	110.5	0.08	0.34	0.1	0.17	7	8.1	17.7	8	7.43	1.80
93J851004	0.5	0.7	1.7	6	80	41.3	0.05	3.02	0.4	0.47	1	1.5	21.7	16	16.82	0.60
93J851005	3.0	3.2	4.0	1	280	78.4	0.08	0.34	0.1	0.10	7	7.2	27.5	7	7.66	2.10
93J851006	3.0	3.4	0.9	1	360	77.2	0.08	0.35	0.1	0.13	8	7.5	26.5	6	7.96	1.90
93J851007	3.5	3.2	0.8	1	280	46.0	0.13	0.25	0.1	0.07	10	11.2	17.4	15	14.32	2.40
93J851008	0.5	0.1	4.6	15	220	187.8	0.03	5.09	1.2	1.39	2	1.4	74.7	17	18.40	0.12
93J851009	0.5	0.1	1.6	8	340	160.0	0.03	2.95	1.0	1.18	3	2.3	88.6	43	47.67	0.35
93J851010	85.0	91.8	0.2	5	300	328.8	0.04	2.48	0.1	0.24	1	0.8	7.0	7	6.72	2.70
93J851011	3.0	2.4	0.5	4	200	48.1	0.08	0.32	0.1	0.08	6	5.8	13.9	9	9.01	1.00
93J851012	4.5	5.1	1.6	1	380	179.9	0.21	0.60	0.1	0.25	12	14.5	25.4	19	20.07	2.60
93J851013	2.0	1.8	1.1	1	400	109.7	0.08	3.09	0.1	0.11	7	6.8	17.6	9	8.57	1.20
93J851014	1.0	0.9	0.6	1	320	167.8	0.09	0.91	0.2	0.30	4	4.5	22.3	15	16.31	1.10
93J851016	3.0	2.5	1.1	2	360	210.0	0.06	0.87	0.1	0.32	9	8.5	19.0	7	9.16	1.60
93J851017	4.5	5.1	1.3	5	440	281.7	0.17	1.11	0.2	0.42	10	12.2	33.9	18	21.98	2.60
93J851018	3.5	3.6	1.9	3	460	195.7	0.10	0.49	0.1	0.34	9	9.1	35.7	15	16.48	1.80
93J851019	4.0	4.6	1.6	2	660	169.4	0.08	0.50	0.2	0.38	10	10.9	79.5	18	19.04	1.90
93J851020	3.0	4.0	1.3	1	500	244.9	0.14	0.52	0.3	0.44	13	14.6	71.0	18	20.19	2.60
93J851022	3.5	4.6	3.0	4	440	313.7	0.07	1.97	0.5	0.72	5	4.7	32.4	16	17.36	1.50
93J851023	6.0	7.0	2.1	2	600	229.4	0.09	0.51	0.2	0.40	13	14.3	65.0	27	29.20	3.10
93J851024	3.0	3.2	1.1	1	560	172.9	0.07	0.45	0.1	0.25	11	10.6	68.4	14	14.77	2.20
93J851025	3.0	4.1	3.0	2	440	302.7	0.15	0.60	0.3	0.56	15	17.3	59.2	29	35.03	2.50
93J851026	3.0	4.3	1.6	2	540	172.1	0.11	0.44	0.1	0.25	11	12.6	57.7	23	27.55	2.10
93J851027	6.0	6.4	1.5	1	580	210.3	0.07	0.56	0.1	0.21	12	14.8	59.0	11	13.83	2.60
93J851028	7.0	8.4	4.0	2	500	276.8	0.17	0.70	0.1	0.25	13	15.1	55.5	45	49.68	3.10
93J851029	5.0	5.8	2.4	1	500	357.4	0.17	1.01	0.2	0.43	18	21.1	120.8	55	62.63	3.10
93J851030	5.0	6.3	1.9	1	460	194.7	0.13	0.41	0.1	0.25	11	12.1	60.7	33	36.84	2.90
93J851031	7.0	9.0	2.1	1	400	244.9	0.23	0.45	0.1	0.17	16	17.6	47.6	45	49.27	3.60
93J851032	3.5	4.0	2.1	1	540	441.3	0.20	0.82	0.2	0.42	11	10.9	58.7	33	35.00	2.60
93J851033	2.5	3.5	2.3	1	420	239.4	0.16	0.45	0.2	0.36	10	11.2	52.5	25	27.70	2.40
93J851034	7.0	6.9	5.6	3	660	324.2	0.11	0.56	0.2	0.48	19	21.1	70.1	32	34.90	2.70
93J851035	2.5	2.9	1.4	2	520	258.6	0.10	0.53	0.1	0.21	12	12.6	46.6	19	21.18	2.40
93J851036	1.5	2.2	2.7	1	540	245.6	0.11	0.49	0.1	0.18	10	11.4	47.1	21	22.75	2.00
93J851037	7.0	6.6	5.2	2	500	173.4	0.08	0.48	0.2	0.32	14	15.5	36.9	28	29.61	2.30
93J851038	18.0	20.1	4.0	1	640	257.6	0.05	0.34	0.2	0.49	12	14.1	38.5	13	14.24	6.00
93J851039	3.0	3.5	1.6	2	520	145.5	0.08	0.35	0.1	0.23	10	12.2	51.1	18	19.71	1.80
93J851043	5.0	5.8	1.9	7	560	487.3	0.09	1.77	0.6	0.82	20	22.5	72.8	28	31.50	2.20
93J851044	4.0	4.6	1.0	2	640	103.8	0.05	0.41	0.1	0.24	10	11.6	55.9	22	24.41	1.80
93J851045	7.0	7.9	1.9	3	780	231.0	0.10	0.69	0.1	0.32	15	18.4	114.3	40	44.60	2.60
93J851046	5.0	5.7	1.6	2	660	252.9	0.06	0.52	0.4	0.56	12	14.6	87.7	19	21.38	2.20
93J851047	7.0	7.3	1.9	4	860	546.6	0.09	1.94	0.7	0.91	15	16.5	79.6	37	40.46	2.50
93J851048	5.0	4.6	1.6	3	800	217.1	0.07	0.56	0.1	0.28	14	16.5	110.8	26	27.45	2.20
93J851049	5.0	5.9	2.3	3	500	353.5	0.09	0.42	0.4	0.71	15	18.4	75.6	26	29.86	3.80
93J851050	7.0	8.1	2.5	2	720	625.5	0.15	0.76	0.4	0.68	14	18.4	108.3	43	52.71	3.70
93J851051	6.5	7.4	2.6	2	620	529.8	0.13	0.67	0.4	0.68	15	18.0	98.3	40	45.75	3.90
93J851052	1.5	1.9	3.6	5	520	306.9	0.05	1.25	0.1	0.26	5	5.6	60.1	50	57.07	1.30
93J851053	7.0	7.6	3.0	5	880	319.4	0.11	0.62	0.1	0.36	17	20.1	113.8	46	50.30	3.30
93J851054	9.0	10.5	2.0	3	520	282.9	0.21	0.59	0.1	0.25	20	25.9	50.6	42	49.50	3.60
93J851055	4.5	4.7	1.2	2	520	146.2	0.07	0.51	0.2	0.35	12	12.8	40.9	16	16.97	2.00
93J851056	5.0	5.4	1.3	1	560	169.6	0.08	0.42	0.1	0.07	8	10.6	40.1	15	17.47	2.30
93J851057	7.0	7.4	1.2	1	580	193.9	0.09	0.43	0.1	0.07	9	11.8	43.1	16	20.95	2.40
93J851058	3.0	4.1	1.2	2	420	151.8	0.13	0.37	0.2	0.36	13	15.5	36.7	21	23.45	2.30

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851059	3.0	3.6	0.9	1	560	204.8	0.08	0.41	0.5	0.71	11	12.5	53.5	18	19.97	2.50
93J851060	4.0	4.4	2.2	2	580	290.4	0.12	0.46	0.4	0.66	13	15.0	82.6	38	41.18	1.40
93J851062	3.0	3.3	0.6	1	560	141.7	0.06	0.43	0.1	0.25	9	10.4	56.0	15	16.07	1.80
93J851063	3.0	3.3	0.7	3	720	155.7	0.04	0.43	0.1	0.16	8	9.3	47.7	15	16.81	2.40
93J851064	6.0	5.8	1.9	2	720	165.7	0.07	0.51	0.1	0.30	13	15.1	75.6	30	31.42	2.10
93J851065	4.5	5.4	1.4	2	640	316.7	0.11	0.85	0.7	1.00	12	13.1	62.0	34	39.14	2.50
93J851066	14.0	15.7	1.3	2	560	242.9	0.05	0.77	0.2	0.44	10	10.9	47.6	26	27.68	3.50
93J851067	8.0	8.4	2.7	2	600	392.2	0.13	1.02	0.8	1.10	15	18.3	83.8	63	72.44	3.50
93J851068	7.0	7.1	1.6	16	740	269.0	0.06	0.84	0.2	0.31	11	12.4	112.4	28	31.24	2.80
93J851069	11.5	12.9	1.4	2	500	200.8	0.14	0.48	0.1	0.35	20	22.5	44.1	26	30.78	3.00
93J851070	17.0	19.6	1.8	2	520	337.2	0.23	0.62	0.2	0.64	46	52.0	49.1	49	56.36	4.20
93J851071	5.5	8.6	0.9	2	400	183.4	0.19	0.30	0.1	0.25	24	29.9	48.1	25	30.58	3.20
93J851073	4.5	4.6	2.1	2	580	221.5	0.16	0.56	0.4	0.55	13	15.9	40.6	27	33.81	2.70
93J851074	2.0	4.0	0.8	1	600	115.5	0.08	0.55	0.1	0.19	11	12.6	41.7	22	24.97	2.00
93J851075	4.5	4.3	0.9	2	360	90.9	0.08	0.35	0.1	0.23	10	11.0	29.0	14	16.06	1.70
93J851076	7.0	8.1	3.7	5	420	317.5	0.24	1.29	3.0	3.99	42	48.8	31.7	39	47.62	3.40
93J851077	7.5	7.7	1.4	2	560	175.6	0.11	0.67	0.3	0.44	17	19.2	48.3	25	30.50	2.40
93J851078	5.0	4.7	1.1	2	460	95.0	0.13	1.36	0.2	0.35	10	11.6	32.2	16	18.78	1.50
93J851079	5.0	4.8	0.6	1	520	95.5	0.13	1.40	0.2	0.33	10	11.4	29.0	19	20.29	1.60
93J851080	7.0	6.0	0.6	2	600	101.3	0.06	0.36	0.1	0.17	13	14.1	41.6	13	14.75	1.50
93J851082	12.0	14.1	1.8	2	380	206.3	0.26	0.32	0.1	0.26	17	20.7	55.3	34	43.31	4.20
93J851083	9.0	10.7	3.1	3	460	232.6	0.10	1.21	0.3	0.49	9	10.6	39.4	29	36.62	1.60
93J851084	5.0	5.8	1.0	1	660	130.6	0.07	0.44	0.1	0.24	11	12.4	40.9	17	19.53	1.80
93J851085	5.0	5.1	0.9	2	540	115.1	0.07	0.40	0.1	0.18	10	11.1	36.8	14	16.87	1.50
93J851086	5.0	6.7	1.1	2	400	196.3	0.12	1.24	0.5	0.76	9	9.4	35.7	24	27.53	2.70
93J851087	2.0	1.8	0.3	3	420	122.1	0.07	0.96	0.1	0.10	7	6.3	18.7	8	8.70	1.50
93J851088	3.0	3.8	0.6	1	600	135.6	0.13	5.04	0.1	0.17	9	10.3	20.7	17	18.41	1.80
93J851089	3.0	3.7	0.8	2	500	271.2	0.10	0.75	0.1	0.17	11	12.7	25.3	12	13.80	4.10
93J851090	2.5	2.5	0.9	3	740	384.8	0.11	0.89	0.5	0.63	8	8.2	24.8	17	18.59	1.80
93J851091	2.0	1.4	1.5	4	780	560.6	0.09	0.94	1.8	1.97	6	5.8	23.3	20	21.61	0.80
93J851092	2.0	1.8	1.2	3	880	852.1	0.08	1.71	1.0	1.26	7	5.8	22.0	19	21.51	1.30
93J851093	5.0	5.4	2.1	4	540	357.7	0.18	0.77	0.2	0.45	12	12.4	62.9	37	44.34	2.90
93J851095	5.5	7.1	1.9	1	360	324.8	0.29	0.47	0.1	0.48	24	25.8	74.8	39	50.14	5.10
93J851096	3.0	3.0	0.4	1	300	61.8	0.16	1.30	0.1	0.21	9	9.1	26.3	14	16.95	1.80
93J851097	1.5	1.6	0.2	2	220	34.3	0.10	0.59	0.1	0.13	3	4.7	14.1	9	8.88	1.50
93J851098	2.5	2.5	0.5	1	240	32.6	0.11	0.37	0.1	0.10	6	6.1	16.9	10	10.55	1.90
93J851099	1.5	1.0	0.4	1	200	50.5	0.10	0.18	0.1	0.06	6	5.8	16.4	8	7.78	0.90
93J851100	8.5	9.3	4.2	4	300	149.7	0.08	1.48	0.2	0.34	5	4.8	22.6	14	13.54	1.00
93J851102	2.5	2.9	0.9	1	300	135.5	0.13	0.52	0.2	0.37	9	8.6	23.4	14	14.45	2.10
93J851103	22.0	24.4	1.2	1	400	290.0	0.21	0.41	0.1	0.10	22	25.5	41.8	51	57.59	5.30
93J851104	0.5	1.2	0.2	1	760	355.4	0.10	0.29	0.1	0.16	5	5.1	23.0	8	9.21	1.50
93J851105	2.0	2.5	0.7	1	600	99.8	0.07	0.38	0.1	0.14	6	7.5	34.2	10	11.35	1.60
93J851106	7.0	6.7	1.2	1	560	181.9	0.10	0.46	0.1	0.27	10	9.8	46.3	31	32.18	3.00
93J851107	4.0	4.3	0.8	1	620	139.5	0.06	0.36	0.1	0.18	8	8.6	32.9	16	16.91	1.70
93J851108	7.0	7.8	1.9	1	540	203.9	0.15	0.56	0.2	0.43	20	20.8	54.8	38	40.98	3.30
93J851109	4.5	5.1	1.7	1	560	155.3	0.09	0.44	0.1	0.31	16	16.4	43.8	19	19.23	2.50
93J851110	2.0	2.8	1.0	1	660	202.0	0.07	0.46	0.1	0.10	7	7.7	48.5	15	16.67	1.80
93J851111	2.0	2.2	0.6	1	600	161.4	0.08	0.39	0.2	0.35	7	7.7	42.4	20	21.08	1.50
93J851112	5.0	5.1	1.8	1	480	305.9	0.10	1.05	1.7	2.07	18	19.3	47.0	28	28.74	2.80
93J851113	3.5	4.0	1.1	1	660	176.1	0.08	0.40	0.1	0.12	9	11.1	37.7	20	20.18	1.80
93J851115	5.0	5.2	3.1	1	620	177.6	0.10	0.48	0.2	0.39	12	13.8	39.4	23	24.48	2.30
93J851116	2.0	2.8	1.3	1	480	227.1	0.13	0.64	0.5	0.82	12	13.4	39.7	28	29.86	2.70

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851117	1.5	1.8	2.3	1	320	353.3	0.20	0.48	0.8	1.08	8	9.3	46.7	42	54.40	2.40
93J851118	11.0	8.6	0.5	2	480	178.4	0.17	0.36	0.1	0.27	20	23.1	48.5	31	32.54	3.10
93J851119	14.0	16.2	2.1	1	340	245.0	0.12	0.58	0.1	0.36	20	23.1	30.6	25	27.03	4.40
93J851120	23.0	28.5	1.5	1	400	306.6	0.18	0.45	0.2	0.54	35	40.3	44.9	34	35.00	6.80
93J851122	8.0	9.2	2.0	2	620	279.0	0.14	0.61	0.5	0.76	16	18.4	42.9	33	35.91	2.80
93J851123	4.0	4.6	1.4	1	700	209.9	0.08	0.38	0.2	0.34	9	9.9	35.6	14	18.93	1.80
93J851124	8.0	8.7	1.0	1	680	246.0	0.06	0.43	0.1	0.31	9	10.8	41.9	6	14.75	2.10
93J851125	20.5	24.5	3.1	1	980	572.1	0.04	0.73	0.2	0.23	8	9.0	37.1	6	7.99	2.30
93J851126	3.5	4.5	1.0	1	720	219.4	0.07	0.57	0.1	0.32	16	18.0	42.9	22	21.87	2.10
93J851127	5.5	5.6	1.5	1	600	250.3	0.12	0.59	0.6	0.71	14	15.2	43.7	29	29.53	3.00
93J851128	4.0	4.2	2.7	1	580	81.1	0.15	1.68	0.1	0.17	9	11.5	29.0	23	22.78	2.00
93J851129	3.0	3.5	1.9	2	660	144.0	0.10	0.48	0.2	0.35	10	11.2	48.6	31	31.35	1.80
93J851130	3.0	3.0	2.8	1	320	243.0	0.08	0.74	1.7	1.90	9	9.2	43.1	45	43.14	1.40
93J851131	3.0	3.5	2.1	1	560	164.7	0.08	0.53	0.1	0.27	12	13.3	50.2	33	32.46	2.60
93J851132	3.0	3.0	1.2	1	480	81.1	0.06	0.47	0.1	0.25	11	13.0	47.3	31	32.10	2.00
93J851133	23.5	28.2	1.5	2	620	303.0	0.05	0.67	1.0	1.21	10	10.3	43.6	24	23.34	2.60
93J851134	3.0	3.3	1.5	2	600	98.2	0.05	1.51	0.1	0.20	9	9.5	66.7	23	20.91	1.80
93J851135	1.0	1.1	0.2	2	420	55.4	0.02	0.44	0.1	0.11	5	4.6	33.3	6	5.61	0.70
93J851136	0.5	1.0	0.2	2	420	56.2	0.02	0.49	0.1	0.09	4	4.1	35.0	7	6.01	0.80
93J851138	1.5	1.9	1.5	2	580	247.7	0.10	0.67	0.2	0.29	5	5.6	41.0	28	26.09	1.00
93J851139	0.5	1.2	0.2	1	580	104.1	0.03	0.78	0.1	0.23	9	9.6	41.9	18	17.34	1.70
93J851140	2.0	2.4	2.0	2	540	249.1	0.13	1.36	0.2	0.36	6	6.3	32.3	42	39.87	1.90
93J851142	1.5	2.0	147.5	3	880	87.5	0.05	0.63	0.1	0.10	6	7.2	51.6	22	20.29	1.90
93J851143	0.5	1.0	0.5	4	360	214.6	0.04	2.70	0.5	0.65	4	4.4	17.2	28	27.40	0.50
93J851144	5.5	6.2	1.5	3	640	167.2	0.05	0.66	0.3	0.43	11	10.0	42.3	21	19.94	2.40
93J851145	0.5	1.0	1.0	1	880	51.3	0.05	0.33	0.1	0.08	3	4.3	17.1	10	8.31	0.80
93J851146	0.5	0.7	0.4	4	880	91.7	0.07	0.39	0.1	0.07	5	4.1	22.1	10	9.17	0.70
93J851147	6.5	8.1	0.8	1	300	61.0	0.21	0.37	0.1	0.10	12	12.1	20.3	24	22.55	3.40
93J851148	1.5	2.4	0.7	1	320	70.1	0.20	0.43	0.1	0.09	7	7.3	23.8	16	18.08	2.40
93J851149	4.0	4.5	0.4	1	260	36.7	0.15	0.22	0.1	0.05	8	8.9	15.6	15	13.77	2.40
93J851151	2.5	2.5	0.4	2	260	43.5	0.14	0.23	0.1	0.03	9	9.6	15.4	15	13.24	2.00
93J851152	2.0	2.3	0.5	1	260	43.1	0.12	0.21	0.1	0.03	9	8.8	14.9	13	11.47	1.80
93J851153	6.5	7.2	2.7	1	280	73.5	0.17	0.62	0.1	0.17	9	8.7	18.5	18	18.31	2.50
93J851154	6.0	7.2	0.3	1	300	59.1	0.23	0.44	0.1	0.15	12	11.8	20.4	24	21.83	3.10
93J851155	2.5	3.0	0.6	1	620	158.0	0.10	0.38	0.1	0.08	11	11.9	31.6	14	14.11	2.10
93J851156	1.0	1.6	0.7	1	680	114.3	0.04	0.26	0.1	0.06	5	5.5	36.0	12	10.57	1.10
93J851157	0.5	1.2	1.4	2	120	83.7	0.02	0.84	0.1	0.13	1	1.6	7.8	12	12.47	0.31
93J851158	1.5	2.2	3.6	5	260	210.3	0.04	1.22	0.4	0.48	4	3.3	23.2	56	57.85	0.60
93J851159	2.0	2.5	0.5	1	620	145.6	0.03	0.32	0.1	0.17	4	4.4	33.0	10	7.48	1.20
93J851160	1.0	2.0	1.7	2	520	244.7	0.05	0.74	0.6	0.73	5	5.0	32.1	28	27.94	1.10
93J851162	1.0	1.7	0.2	1	620	117.0	0.04	0.27	0.1	0.13	5	5.4	34.7	8	7.86	1.30
93J851164	3.5	4.4	0.6	3	720	214.9	0.06	0.47	0.2	0.25	11	11.3	61.1	17	17.53	2.40
93J851165	3.0	4.1	3.4	4	420	193.9	0.04	1.50	0.8	0.94	6	6.4	27.4	37	36.71	0.90
93J851166	1.5	1.8	0.9	3	420	193.8	0.04	0.86	0.2	0.40	5	4.7	22.6	18	21.03	0.90
93J851167	1.0	1.7	2.9	3	340	295.0	0.05	1.59	0.3	0.48	5	5.1	13.1	29	32.34	0.70
93J851168	2.0	2.8	1.7	5	400	276.0	0.05	2.05	1.2	1.30	4	3.8	12.0	26	26.65	0.60
93J851169	6.0	6.2	16.0	5	320	166.4	0.12	2.57	3.3	4.00	9	9.8	46.8	51	57.82	1.60
93J851170	1.5	1.9	0.8	1	800	686.4	0.13	0.93	1.5	1.95	10	10.4	41.3	36	42.14	2.20
93J851171	2.5	3.4	1.4	3	-1	512.6	0.11	0.81	0.2	0.39	12	12.1	85.9	28	30.15	2.40
93J851172	5.0	5.4	0.9	3	860	363.3	0.07	0.63	0.2	0.38	11	11.3	67.9	18	20.19	2.40
93J851173	2.0	2.3	0.7	8	540	228.4	0.02	1.91	0.8	0.96	5	4.9	17.6	14	13.25	0.80
93J851174	1.5	2.0	2.1	5	700	356.9	0.03	1.19	0.1	0.18	6	5.7	58.8	15	16.60	0.70

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93J851175	2.0	2.8	1.8	1	480	396.9	0.04	1.45	0.9	1.10	5	4.3	34.9	33	36.38	0.60
93J851176	1.5	1.9	2.2	1	740	368.4	0.05	0.78	0.2	0.31	6	6.6	63.5	29	32.40	1.30
93J851177	0.5	1.4	0.8	6	500	378.5	0.02	2.87	0.4	0.46	1	1.1	6.5	17	20.60	0.35
93J851178	2.0	2.0	3.3	3	740	611.8	0.11	1.65	1.5	1.84	5	6.1	37.9	44	46.79	1.10
93J851179	4.0	4.1	1.0	1	640	378.7	0.11	0.50	0.3	0.53	9	9.3	32.9	16	17.75	2.20
93J851180	4.0	4.2	0.5	1	700	374.4	0.12	0.54	0.3	0.54	8	9.3	34.4	16	17.90	2.20
93J851182	1.0	2.1	0.8	3	180	132.8	0.02	1.23	0.3	0.35	4	4.1	7.9	14	16.65	0.45
93J851183	2.0	2.3	2.3	1	560	217.6	0.09	0.99	0.2	0.36	10	10.5	60.7	48	53.44	2.10
93J851184	6.5	6.4	1.4	2	920	172.2	0.11	0.55	0.2	0.38	9	11.3	57.7	18	21.16	2.20
93J851185	3.5	4.0	0.6	1	860	120.2	0.08	0.44	0.2	0.27	8	8.8	41.7	15	17.39	1.60
93J851186	6.0	6.1	10.1	1	640	163.2	0.11	0.79	0.3	0.47	12	12.2	54.4	26	27.78	2.50
93J851187	13.0	12.3	2.7	1	820	194.3	0.17	0.73	1.2	1.55	14	16.0	45.1	42	43.13	3.30
93J851188	6.0	6.7	2.0	1	740	168.5	0.13	0.46	0.1	0.21	15	16.2	61.5	29	29.77	3.20
93J851189	3.5	3.6	0.9	2	900	193.8	0.09	0.66	0.3	0.37	9	9.7	54.2	22	21.42	2.20
93J851190	3.0	3.7	1.9	1	740	217.7	0.05	0.63	0.4	0.47	9	10.0	56.9	16	18.61	1.80
93J851192	1.5	1.6	0.2	2	740	210.0	0.06	0.65	0.4	0.51	8	7.5	45.3	15	15.71	1.10
93J851193	1.0	1.4	0.6	9	300	251.3	0.06	2.64	0.4	0.50	1	1.9	24.4	32	33.34	0.60
93J851194	0.5	1.3	1.4	6	320	233.9	0.06	2.66	0.4	0.53	1	1.9	25.6	32	33.76	0.70
93J851195	0.5	0.4	1.1	1	980	62.8	0.22	0.56	0.6	0.76	5	4.2	23.8	14	13.62	0.90
93J851196	0.5	0.1	0.5	2	220	95.6	0.13	1.05	1.5	1.71	3	2.5	20.1	16	17.19	0.35
93J851197	0.5	0.7	0.2	2	860	106.2	0.25	0.62	0.8	1.19	5	5.8	27.4	12	12.59	0.80
93J851198	1.0	0.7	1.2	2	680	302.1	0.14	0.82	1.0	1.39	6	6.0	45.5	21	20.68	1.10
93J851199	11.0	11.2	2.1	3	800	272.2	0.10	1.29	0.6	0.85	9	10.4	40.1	27	28.60	2.40
93J851200	2.0	1.2	3.0	3	420	236.7	0.10	1.81	1.0	1.32	5	6.0	36.4	66	74.38	0.70
93J851202	4.0	4.4	1.0	3	220	74.3	0.09	0.65	0.1	0.15	5	5.9	20.6	10	10.17	1.40
93J851203	3.0	2.8	1.2	6	680	367.9	0.08	3.98	0.4	0.53	6	6.7	24.5	14	13.75	1.20
93J851204	4.0	4.6	1.7	2	580	116.0	0.08	0.45	0.3	0.41	10	11.4	58.2	23	23.88	2.10
93J851205	11.0	12.1	4.1	1	220	50.0	0.21	0.28	0.1	0.05	9	9.9	10.3	15	16.82	2.30
93J851206	8.5	8.7	0.6	1	200	18.5	0.35	0.27	0.1	0.04	13	15.5	20.4	25	24.09	3.60
93J851207	13.0	12.4	0.4	1	200	45.4	0.33	0.08	0.1	0.06	14	14.7	17.5	20	20.94	3.80
93J851208	12.0	12.9	0.8	1	180	43.7	0.41	0.19	0.1	0.06	14	16.6	22.7	29	34.24	3.70
93J851209	4.0	4.4	0.9	1	180	40.0	0.25	0.14	0.1	0.05	10	11.9	15.1	19	20.55	2.00
93J851210	4.0	4.5	1.2	1	160	45.2	0.30	0.15	0.1	0.08	19	18.7	20.9	26	26.65	2.90
93J851212	4.5	5.0	0.3	1	180	49.4	0.18	0.22	0.1	0.07	16	18.2	17.9	14	17.25	2.30
93J851213	7.0	7.6	0.2	1	160	41.9	0.21	0.41	0.1	0.06	9	10.6	16.4	14	14.06	2.50
93J851214	9.5	10.2	0.6	1	340	105.2	0.26	0.65	0.1	0.19	9	19.7	21.2	24	23.59	3.30
93J851215	3.5	4.1	0.6	1	160	56.9	0.13	0.29	0.1	0.07	10	9.4	15.9	11	10.63	2.30
93J851216	3.0	3.7	0.2	1	160	41.1	0.12	0.24	0.1	0.06	8	8.1	13.7	9	8.83	2.20
93J851217	6.0	5.1	0.5	1	320	44.1	0.18	0.70	0.1	0.10	15	13.2	23.4	23	21.05	2.80
93J851218	9.6	9.8	0.9	1	460	183.2	0.12	0.50	0.2	0.28	12	11.4	31.9	14	12.06	2.40
93J851219	4.8	4.6	0.2	1	400	176.7	0.10	0.67	0.1	0.16	8	6.9	15.2	12	10.24	2.00
93J851220	1.6	1.7	0.5	1	460	150.8	0.09	0.56	0.1	0.15	9	7.9	21.6	12	11.60	1.80
93J851222	3.2	3.4	0.4	1	460	108.1	0.11	0.46	0.1	0.13	9	8.2	20.5	13	11.07	2.20
93J851223	5.2	4.7	0.3	2	700	254.7	0.10	1.18	0.4	0.52	12	10.2	29.2	24	21.71	1.80
93J851224	3.2	3.6	4.0	1	620	160.1	0.08	0.59	0.2	0.26	10	8.2	31.8	16	15.27	1.60
93J851225	2.4	2.9	0.3	4	1040	330.6	0.07	0.51	0.2	0.27	4	4.5	19.1	12	10.12	1.20
93J851226	3.2	3.2	0.7	2	380	107.7	0.08	0.90	0.5	0.62	6	5.5	15.5	11	10.33	1.40
93J851227	3.2	3.3	0.5	1	400	115.1	0.07	0.74	0.6	0.58	6	5.7	14.4	12	10.29	1.60
93J851229	2.4	2.3	0.3	2	860	319.6	0.07	0.94	0.4	0.42	7	5.5	19.2	15	12.41	1.30
93J851230	3.6	3.5	0.6	2	340	62.6	0.11	0.56	0.2	0.31	8	7.5	21.8	15	13.81	2.00
93J851231	2.8	2.5	0.3	1	360	84.8	0.06	0.43	0.1	0.19	6	5.1	16.4	10	7.62	1.50
93J851232	5.6	5.2	1.2	1	420	102.8	0.19	0.41	0.1	0.13	14	13.4	28.8	27	23.53	3.10

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851233	5.6	5.8	0.9	1	320	53.5	0.18	0.41	0.1	0.10	12	11.2	16.7	20	17.14	2.80
93J851234	4.8	4.8	1.0	1	360	80.3	0.15	0.61	0.1	0.12	13	11.9	21.0	15	14.79	3.00
93J851235	5.6	4.6	0.6	1	340	81.0	0.14	0.59	0.1	0.14	14	12.3	21.2	16	14.72	2.90
93J851236	4.0	3.6	0.3	1	260	79.8	0.08	0.35	0.1	0.14	7	5.4	16.9	13	10.27	2.00
93J851237	3.2	2.9	0.2	1	220	27.7	0.18	0.17	0.1	0.03	11	9.9	15.2	17	15.34	2.10
93J851238	4.4	5.0	0.6	1	340	113.4	0.17	0.33	0.1	0.13	14	11.7	24.5	17	15.89	3.00
93J851239	3.6	3.8	0.6	1	320	114.6	0.18	0.30	0.1	0.18	15	12.4	24.6	18	15.07	2.60
93J851240	4.4	5.0	1.1	1	380	164.5	0.19	0.38	0.1	0.24	20	18.3	25.7	21	18.84	3.50
93J851242	0.5	0.8	0.9	1	340	180.3	0.09	0.41	0.1	0.20	6	4.9	21.1	10	8.41	1.50
93J851243	2.4	2.5	1.1	2	320	171.4	0.05	0.39	0.2	0.23	7	6.6	32.0	11	10.78	1.30
93J851244	6.8	6.3	1.3	2	740	443.7	0.13	0.64	1.2	1.13	17	14.8	25.9	19	17.48	3.60
93J851245	6.4	5.6	0.9	1	760	288.6	0.08	0.48	0.3	0.38	17	13.2	23.2	13	12.44	3.00
93J851246	5.6	5.3	2.0	1	700	240.1	0.13	1.31	0.1	0.14	13	11.9	41.0	25	23.01	2.60
93J851247	3.2	3.0	1.7	2	600	261.9	0.12	0.56	0.3	0.43	11	9.9	41.6	24	21.69	2.20
93J851248	4.0	3.4	0.5	1	380	161.5	0.10	0.44	0.2	0.23	7	6.2	21.7	12	10.72	1.90
93J851249	2.4	2.1	0.4	1	700	383.4	0.06	0.46	0.2	0.20	7	5.4	19.5	9	7.45	1.30
93J851250	2.8	2.4	1.0	2	300	61.2	0.09	0.95	0.2	0.11	8	7.6	17.3	11	9.30	1.80
93J851251	6.4	7.6	1.2	1	700	279.0	0.31	0.68	0.1	0.09	22	20.6	18.5	26	30.54	4.20
93J851252	2.8	2.5	1.1	1	340	129.2	0.10	0.21	0.1	0.24	10	8.9	32.1	14	12.71	2.20
93J851254	2.4	1.7	2.0	1	400	120.2	0.09	0.35	0.1	0.19	5	5.7	37.6	22	21.96	1.50
93J851255	2.4	2.2	0.2	1	320	89.0	0.16	0.12	0.1	0.15	9	8.8	19.0	13	13.49	1.80
93J851256	2.4	2.8	0.7	3	740	124.9	0.07	0.43	0.2	0.26	9	8.9	51.4	13	13.20	1.70
93J851257	3.6	3.8	2.2	1	520	251.7	0.06	0.41	0.6	0.68	12	11.8	76.4	13	14.00	2.00
93J851258	4.0	4.8	1.6	1	520	297.9	0.07	0.46	0.6	0.79	12	13.6	83.5	14	16.01	2.40
93J851259	2.0	1.9	0.9	1	500	76.1	0.03	0.26	0.2	0.17	5	5.6	39.0	12	11.95	1.10
93J851260	1.6	2.0	1.6	1	420	224.2	0.10	0.49	0.4	0.55	11	11.8	56.2	20	19.77	2.00
93J851262	2.8	2.5	1.1	2	560	124.9	0.05	0.41	0.3	0.31	10	8.7	57.7	15	14.68	1.50
93J851263	4.8	4.4	1.4	1	480	142.0	0.08	0.39	0.2	0.29	12	10.9	52.3	13	12.51	2.30
93J851264	4.8	4.8	3.5	1	600	247.0	0.14	0.46	0.5	0.66	12	11.0	74.3	26	25.60	2.50
93J851265	5.6	4.9	1.0	3	640	184.8	0.12	0.40	0.3	0.38	13	12.6	68.2	28	27.84	2.40
93J851266	4.0	4.1	3.0	2	680	177.9	0.12	0.39	0.4	0.51	12	11.7	65.2	26	25.74	2.30
93J851267	2.4	2.5	0.8	2	860	179.5	0.08	0.75	0.6	0.78	9	8.6	57.4	19	18.54	1.80
93J851268	4.0	4.5	2.2	1	780	600.3	0.15	0.83	1.2	1.52	14	14.3	109.1	55	58.19	3.30
93J851269	2.8	2.6	2.1	2	620	190.0	0.06	0.54	0.2	0.35	9	9.0	55.1	14	16.10	11.60
93J851270	1.6	1.2	0.8	2	840	254.2	0.08	0.90	0.2	0.27	8	7.3	25.9	14	14.22	1.80
93J851271	2.0	1.6	0.2	2	600	213.1	0.06	0.83	0.2	0.21	6	6.4	24.4	12	10.22	1.60
93J851272	2.4	2.3	0.3	1	600	246.4	0.09	0.62	0.2	0.35	6	6.6	21.8	13	11.89	1.80
93J851273	0.5	0.7	0.3	1	420	92.3	0.06	0.29	0.1	0.17	4	4.5	24.6	11	10.11	1.10
93J851274	1.6	1.8	0.6	1	320	82.5	0.06	0.25	0.1	0.21	6	7.2	19.0	8	7.59	1.40
93J851275	3.6	3.7	0.4	1	440	163.3	0.16	0.37	0.2	0.35	8	9.1	22.5	12	13.46	2.10
93J851277	4.4	4.2	1.1	1	460	101.3	0.27	0.28	0.1	0.18	11	12.2	34.1	22	22.53	2.70
93J851278	4.0	4.2	1.2	1	420	87.8	0.25	0.28	0.1	0.18	9	11.2	32.1	21	20.78	2.50
93J851279	3.2	2.8	1.1	2	380	114.1	0.19	0.64	0.1	0.33	10	9.4	36.9	26	26.02	2.40
93J851280	3.2	3.2	0.6	2	240	69.4	0.06	0.11	0.1	0.12	7	6.7	12.4	8	6.45	1.40
93J851282	2.4	2.0	1.1	3	320	128.5	0.06	0.46	0.1	0.22	6	6.9	18.0	8	6.79	1.30
93J851283	2.4	2.3	0.3	1	260	81.1	0.06	0.19	0.1	0.11	6	5.7	12.0	8	6.56	1.20
93J851284	2.0	1.8	0.5	1	240	59.0	0.05	0.16	0.1	0.09	4	4.3	9.8	7	5.24	1.00
93J851285	3.6	4.3	2.1	1	540	158.1	0.12	0.41	0.1	0.16	10	12.1	37.5	23	23.26	2.30
93J851286	3.2	2.9	0.7	2	260	45.7	0.05	0.31	0.1	0.05	4	4.4	11.1	7	5.98	1.10
93J851287	2.0	2.2	1.1	4	360	241.1	0.05	0.88	0.1	0.10	4	3.9	9.8	7	5.11	1.00
93J851288	2.8	3.1	1.3	6	400	184.6	0.07	0.83	0.1	0.11	5	4.9	14.1	9	7.94	1.30
93J851289	2.0	1.8	1.5	1	320	142.0	0.08	0.46	0.1	0.14	8	6.6	20.0	10	7.63	1.80

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851290	10.0	8.8	2.2	3	680	176.2	0.07	0.50	0.3	0.40	12	10.9	53.3	30	30.52	2.80
93J851291	2.4	2.7	2.1	4	400	388.5	0.07	1.74	1.4	1.36	12	12.1	42.1	29	28.38	2.40
93J851292	7.2	6.9	2.6	3	800	225.9	0.10	0.46	0.3	0.45	20	20.5	103.1	39	39.61	2.90
93J851294	4.8	5.3	2.3	3	840	314.4	0.11	0.53	0.4	0.57	18	17.9	107.4	42	43.09	3.10
93J851295	5.2	5.2	2.2	2	820	154.4	0.08	0.57	0.2	0.28	12	11.9	81.8	31	28.72	2.20
93J851296	5.6	6.2	2.7	4	780	170.7	0.09	0.64	0.1	0.26	14	15.5	96.0	32	31.80	2.10
93J851297	8.0	7.4	1.9	4	960	228.9	0.09	1.22	0.2	0.37	18	18.0	105.6	46	45.26	2.70
93J851298	5.2	5.5	1.5	3	760	212.9	0.08	0.46	0.1	0.26	15	17.1	109.1	30	32.45	2.20
93J851299	3.6	4.0	0.9	2	720	180.3	0.06	0.33	0.1	0.19	10	10.7	75.0	17	18.56	2.00
93J851300	4.4	4.8	0.5	2	680	226.2	0.07	0.40	0.1	0.24	12	13.3	81.2	18	19.12	2.40
93J851302	8.0	7.2	1.4	2	740	233.7	0.11	0.45	0.1	0.19	17	16.6	69.7	31	31.57	3.00
93J851303	2.4	3.1	2.2	1	740	374.0	0.10	0.50	0.4	0.48	9	10.0	67.5	41	42.64	1.90
93J851304	2.8	3.4	0.2	1	660	127.1	0.06	0.32	0.1	0.17	10	10.0	34.7	13	15.10	1.80
93J851305	5.6	6.2	0.9	1	620	157.7	0.12	0.37	0.1	0.25	17	17.5	46.8	30	32.75	3.50
93J851306	11.2	10.2	1.4	2	640	255.3	0.21	0.58	0.2	0.34	25	26.4	51.4	49	51.12	3.90
93J851307	10.4	11.2	1.8	3	540	263.6	0.23	0.60	0.1	0.34	27	28.9	56.0	50	56.90	4.10
93J851308	6.0	6.9	0.7	2	560	197.0	0.19	0.42	0.1	0.28	14	16.6	45.5	24	26.78	2.90
93J851309	3.2	4.0	0.9	2	660	134.4	0.05	0.36	0.1	0.26	9	9.8	69.0	13	15.97	1.90
93J851310	3.2	4.1	0.5	2	700	128.1	0.06	0.33	0.2	0.26	8	9.3	69.0	15	16.82	1.80
93J851312	6.0	7.7	1.1	1	840	326.0	0.07	0.64	0.4	0.55	15	16.1	87.6	23	24.61	2.80
93J851313	3.2	3.5	1.1	1	660	307.1	0.13	0.76	0.5	0.63	13	11.6	68.0	31	30.20	3.10
93J851314	1.2	1.6	1.7	1	540	171.5	0.10	0.31	0.3	0.41	9	9.6	54.3	17	18.83	2.00
93J851315	4.8	4.9	1.3	1	640	192.9	0.15	0.47	0.2	0.30	10	11.8	46.8	32	35.90	2.90
93J851316	2.8	3.9	1.0	1	420	170.2	0.20	0.25	0.1	0.21	8	8.3	40.4	24	26.46	2.40
93J851317	6.4	8.0	1.3	1	540	237.7	0.21	0.48	0.1	0.32	24	25.5	51.4	42	46.07	4.20
93J851318	9.6	10.0	1.7	1	720	255.5	0.12	0.71	0.6	0.76	11	12.1	60.2	17	18.72	2.50
93J851319	3.6	3.9	0.6	2	580	119.0	0.10	0.90	0.1	0.24	11	10.3	30.1	18	19.15	2.00
93J851320	4.4	4.7	2.3	1	600	136.9	0.10	0.89	0.1	0.29	11	12.3	33.2	22	23.98	2.20
93J851322	4.0	3.7	0.5	1	560	116.2	0.09	0.73	0.1	0.27	10	11.0	32.0	22	20.60	2.20
93J851323	3.6	3.3	0.5	1	580	110.2	0.07	0.83	0.2	0.20	9	9.5	28.1	18	17.46	1.90
93J851324	7.2	6.4	1.0	1	740	229.0	0.17	0.99	0.2	0.43	21	21.1	58.8	49	49.57	3.50
93J851325	5.6	5.5	0.9	1	680	171.4	0.12	0.66	0.2	0.28	18	17.5	54.2	35	35.38	2.90
93J851326	2.4	2.4	1.0	1	840	176.0	0.06	0.60	0.4	0.35	8	8.1	62.2	21	19.66	1.70
93J851327	4.8	4.7	0.8	2	780	192.9	0.07	0.63	0.4	0.35	12	12.1	69.8	23	22.31	2.70
93J851328	3.2	2.7	0.3	1	340	58.7	0.09	0.17	0.2	0.19	8	8.0	33.2	13	13.29	1.60
93J851329	3.2	2.6	1.0	1	480	101.2	0.09	1.35	0.1	0.13	8	8.1	22.2	13	13.00	1.80
93J851330	0.8	1.0	0.2	1	260	60.8	0.05	0.18	0.2	0.13	6	5.6	14.4	7	5.50	0.90
93J851331	1.6	2.2	1.4	1	480	290.1	0.10	1.11	1.2	1.18	13	12.8	33.5	23	21.69	1.50
93J851332	5.6	6.4	0.8	1	440	172.7	0.11	0.49	0.1	0.17	12	12.1	28.0	20	19.33	2.20
93J851334	4.0	4.3	0.8	1	520	240.3	0.15	0.26	0.1	0.19	14	14.4	41.9	25	23.77	3.20
93J851335	2.4	2.5	0.2	1	300	134.1	0.07	0.28	0.1	0.14	7	5.8	13.4	8	6.39	1.80
93J851336	35.2	2.7	0.3	1	280	65.4	0.11	0.36	0.1	0.08	8	7.9	21.9	12	12.36	2.00
93J851337	3.2	2.8	0.9	1	280	56.3	0.11	0.33	0.1	0.09	9	7.8	21.2	12	12.38	2.00
93J851338	1.6	1.7	0.3	1	340	43.5	0.06	0.17	0.1	0.08	5	4.9	24.9	12	9.25	1.20
93J851339	2.8	2.7	0.7	1	400	92.5	0.06	0.52	0.1	0.14	7	5.9	34.8	12	12.08	1.40
93J851340	4.0	3.9	1.5	1	680	231.9	0.20	0.37	0.8	1.01	16	15.7	72.7	31	31.26	2.90
93J851342	9.6	9.3	2.5	1	720	313.3	0.16	0.66	0.5	0.64	15	15.2	68.0	42	42.52	3.10
93J851343	4.4	4.2	0.6	2	660	87.5	0.05	0.42	0.2	0.35	11	10.9	112.8	19	18.11	2.00
93J851344	4.0	3.8	11.7	1	720	163.3	0.05	0.50	2.2	0.29	11	10.4	60.6	23	21.91	2.10
93J851345	3.2	4.0	0.3	1	720	118.1	0.04	0.38	0.2	0.23	9	8.8	56.1	18	16.60	2.00
93J851346	6.4	6.8	1.2	2	620	235.5	0.13	0.60	0.4	0.57	24	24.3	62.3	32	32.57	3.40
93J851347	1.6	1.5	0.9	1	820	226.0	0.04	1.02	0.2	0.27	8	7.6	35.3	21	20.40	1.50

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851348	0.5	0.9	1.1	5	440	278.2	0.02	3.50	0.4	0.39	3	2.0	10.3	20	18.66	0.70
93J851349	4.8	4.7	1.5	1	820	177.2	0.10	0.58	0.4	0.42	12	11.9	58.3	22	22.85	2.40
93J851350	3.2	3.5	1.1	2	840	258.7	0.07	0.82	0.4	0.48	9	9.7	48.8	20	21.79	2.40
93J851351	4.8	4.7	0.7	1	940	104.3	0.09	0.51	0.1	0.16	9	8.4	36.5	14	15.20	2.00
93J851352	1.6	2.1	11.6	1	760	177.6	0.06	0.65	0.3	0.40	8	7.7	33.9	16	16.22	1.50
93J851353	3.2	3.0	0.9	1	800	133.6	0.09	0.61	0.6	0.67	11	11.2	77.9	16	15.02	1.80
93J851354	0.5	1.0	1.6	2	720	100.6	0.02	0.38	0.1	0.08	6	5.9	50.5	8	7.41	1.10
93J851355	4.8	4.3	1.1	1	760	109.9	0.06	0.42	0.1	0.30	10	9.9	64.7	26	24.87	1.70
93J851357	3.6	4.5	2.6	2	700	166.5	0.10	0.46	0.2	0.35	13	13.6	67.5	33	34.18	2.40
93J851358	8.8	8.2	22.1	2	680	178.9	0.14	0.41	0.3	0.44	14	13.3	76.4	32	30.88	2.70
93J851359	4.0	4.0	1.3	3	660	150.9	0.08	0.54	0.2	0.33	10	11.0	89.9	19	17.57	2.00
93J851360	4.0	4.0	1.2	2	700	145.8	0.07	0.51	0.2	0.33	11	10.7	89.3	18	17.37	2.00
93J851362	0.5	1.1	0.7	1	400	133.4	0.08	0.33	0.2	0.23	6	6.3	30.9	11	10.35	1.40
93J851363	1.2	1.2	0.8	1	340	68.3	0.06	0.19	0.1	0.11	4	4.4	23.0	10	9.03	1.00
93J851364	3.6	3.1	1.3	1	260	60.5	0.13	0.24	0.1	0.10	9	9.6	23.9	13	13.54	2.10
93J851365	3.6	4.1	1.2	2	580	210.7	0.09	0.63	0.3	0.43	10	11.2	66.5	32	30.81	2.40
93J851366	4.4	4.1	1.0	1	300	64.0	0.15	0.58	0.1	0.19	9	9.0	26.0	12	13.62	2.10
93J851367	4.0	3.5	0.5	2	420	158.1	0.15	0.64	0.5	0.50	11	9.7	24.6	22	17.72	2.80
93J851368	3.2	3.3	0.3	1	340	176.4	0.10	0.42	0.3	0.38	6	6.6	21.4	10	8.73	1.80
93J851369	4.0	4.2	1.4	3	700	251.4	0.14	0.88	0.3	0.46	12	12.6	23.4	23	23.39	3.00
93J851370	5.6	6.0	2.0	2	720	163.6	0.09	0.53	0.1	0.22	11	11.9	32.1	19	18.79	2.60
93J851371	3.2	3.7	1.3	1	840	149.8	0.08	0.59	0.1	0.18	9	9.2	26.1	17	16.54	1.80
93J851373	2.4	3.1	0.7	2	800	122.0	0.05	0.52	0.1	0.16	6	7.5	21.3	11	10.67	1.50
93J851374	2.8	3.5	0.6	1	800	129.6	0.06	0.56	0.1	0.17	8	8.1	22.7	12	12.50	1.70
93J851375	2.4	3.4	0.5	1	840	111.7	0.06	1.11	0.1	0.19	8	9.0	29.0	12	12.42	1.40
93J851376	6.0	6.9	1.5	1	660	153.1	0.12	0.69	0.1	0.18	9	10.3	29.3	27	28.02	2.80
93J851377	2.4	3.2	1.4	1	580	195.7	0.15	0.73	0.1	0.22	12	13.4	29.3	27	27.43	2.40
93J851378	2.4	2.9	2.9	1	380	243.4	0.08	1.66	1.0	1.05	6	5.6	21.3	51	53.27	1.20
93J851379	2.4	2.9	1.3	1	680	176.8	0.10	0.52	0.1	0.25	8	8.5	30.0	20	20.54	2.00
93J851380	2.8	3.1	1.1	1	620	278.8	0.15	0.55	0.2	0.31	14	15.1	32.5	24	23.84	2.70
93J851382	4.4	4.9	1.0	2	780	246.9	0.11	0.47	0.1	0.14	15	15.8	37.8	19	18.98	2.90
93J851383	1.6	2.4	1.1	1	680	156.8	0.11	0.41	0.1	0.13	7	7.5	29.1	15	16.35	2.00
93J851384	2.8	3.1	2.0	1	540	218.3	0.14	0.37	0.2	0.34	19	19.6	32.7	21	20.61	3.10
93J851386	1.2	1.3	1.1	1	600	183.1	0.10	0.31	0.1	0.12	7	6.8	27.9	13	13.77	1.80
93J851387	5.6	5.5	1.2	2	580	205.7	0.12	0.52	0.3	0.42	16	15.5	38.5	26	26.22	3.00
93J851388	7.2	6.1	1.1	2	700	240.7	0.10	0.49	0.1	0.20	17	15.8	47.6	23	21.80	3.20
93J851389	3.2	4.1	1.6	2	660	378.1	0.11	0.73	0.6	0.77	18	19.9	52.2	29	30.23	3.20
93J851390	11.2	11.0	1.4	2	780	313.5	0.10	0.64	0.1	0.33	24	23.1	43.2	25	25.36	4.00
93J851391	1.6	1.8	2.6	1	500	516.8	0.13	0.85	0.4	0.43	6	6.8	40.8	64	67.41	2.20
93J851392	4.0	3.9	1.0	1	820	106.1	0.05	0.29	0.1	0.10	9	8.4	58.4	17	16.74	1.70
93J851393	3.2	4.1	3.7	2	880	214.6	0.13	0.43	0.1	0.16	10	10.9	50.2	32	32.87	2.50
93J851394	0.8	1.4	0.7	1	820	247.6	0.10	0.29	0.1	0.19	7	7.3	33.9	21	21.63	1.30
93J851395	3.6	3.8	3.0	2	880	245.4	0.12	0.47	0.2	0.28	13	12.6	58.4	42	42.56	2.60
93J851396	6.4	6.7	1.7	2	660	189.3	0.16	0.62	0.1	0.23	14	14.7	28.4	32	30.81	2.80
93J851397	6.4	5.8	1.1	4	720	238.7	0.14	0.86	0.2	0.36	15	14.4	25.6	31	31.61	2.60
93J851398	3.6	3.8	60.5	4	640	374.8	0.07	1.37	1.0	1.12	10	11.7	60.0	34	36.51	2.50
93J851399	4.8	5.0	1.4	2	640	317.6	0.09	0.64	0.3	0.36	9	9.4	28.9	16	16.49	2.50
93J851400	6.0	5.7	1.2	2	640	323.6	0.09	0.64	0.3	0.36	10	10.0	29.4	15	16.27	2.80
93J851402	2.0	1.9	0.4	2	800	430.4	0.06	0.44	0.4	0.36	5	5.3	17.9	10	9.29	1.30
93J851403	4.8	4.0	1.2	2	740	216.7	0.08	0.54	0.2	0.32	10	10.6	50.3	20	19.79	2.00
93J851404	3.2	3.1	0.4	3	300	65.5	0.13	0.32	0.1	0.11	10	8.9	17.4	12	12.66	2.10
93J851405	4.8	3.7	0.9	1	460	78.0	0.17	1.64	0.1	0.08	11	11.2	23.1	13	14.11	2.50

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851406	4.0	3.6	0.5	1	500	93.7	0.17	1.61	0.1	0.10	11	10.8	24.3	15	14.60	2.80
93J851407	3.6	3.8	0.6	2	440	137.8	0.20	0.55	0.1	0.17	10	9.9	21.5	12	13.43	2.70
93J851409	2.0	1.6	0.7	2	640	103.4	0.15	2.47	0.1	0.12	11	11.7	24.2	15	15.17	3.00
93J851410	5.6	5.3	0.6	5	2800	431.9	0.12	1.84	0.2	0.27	8	7.7	16.9	15	14.83	2.40
93J851411	4.0	3.7	1.2	3	380	139.4	0.09	0.92	0.4	0.41	7	7.0	19.5	17	17.66	2.00
93J851412	8.0	8.1	2.1	3	1040	547.4	0.19	1.57	0.3	0.44	20	20.1	32.8	28	27.22	3.60
93J851413	4.8	4.6	1.5	3	800	260.7	0.11	2.12	0.4	0.38	8	7.9	16.7	17	16.29	2.10
93J851414	2.0	1.4	0.7	2	540	166.5	0.09	4.32	0.1	0.06	8	8.1	18.8	13	12.90	1.80
93J851415	0.8	0.6	0.7	4	640	222.7	0.05	3.89	0.1	0.06	3	2.9	8.0	4	2.88	0.80
93J851416	3.2	3.6	3.6	2	-1	114.7	0.04	0.61	0.1	0.19	12	11.7	45.1	23	23.78	3.50
93J851417	2.4	2.9	3.9	1	760	156.1	0.19	0.41	0.3	0.35	10	11.0	44.7	31	31.20	2.50
93J851418	4.8	2.5	4.3	1	460	203.6	0.09	0.54	0.6	0.67	6	6.9	44.5	32	29.29	3.20
93J851419	4.0	2.8	0.5	1	1220	97.5	0.19	0.70	1.1	1.01	7	7.7	37.8	16	17.42	3.20
93J851420	3.2	2.1	0.6	1	860	124.5	0.06	0.48	0.4	0.44	7	7.2	38.7	27	27.63	2.90
93J851422	3.2	2.1	6.7	2	1160	124.2	0.19	0.66	1.4	1.17	9	8.7	50.7	27	24.22	2.30
93J851423	3.2	2.5	1.6	1	880	170.1	0.06	0.55	0.1	0.24	17	16.4	56.7	74	72.38	3.20
93J851424	3.2	3.6	1.1	1	900	163.3	0.04	0.61	0.1	0.14	8	7.0	34.2	16	17.64	1.50
93J851425	5.2	4.9	3.5	1	840	189.2	0.44	0.61	2.5	2.27	19	16.1	37.8	27	27.38	3.20
93J851427	2.4	2.4	1.8	1	920	102.6	0.21	0.46	0.2	0.29	10	8.4	43.2	38	38.52	2.00
93J851428	2.0	1.2	2.4	1	1100	121.9	0.08	0.64	0.1	0.26	11	10.4	44.6	69	63.16	1.90
93J851429	2.0	1.6	2.7	1	1060	131.2	0.07	0.61	0.1	0.24	10	9.5	42.8	54	54.64	1.80
93J851430	6.4	5.6	1.2	1	620	140.3	0.10	0.62	0.2	0.33	9	9.3	35.8	27	26.87	2.50
93J851431	3.2	3.5	1.5	1	460	104.1	0.05	0.59	0.8	1.00	20	22.9	42.5	32	35.62	4.10
93J851432	15.2	15.5	4.2	1	1060	207.9	0.12	0.66	1.0	1.08	20	21.0	56.9	48	51.82	3.80
93J851433	9.0	8.4	1.8	1	960	189.3	0.07	0.70	1.0	1.02	15	15.5	60.7	29	27.99	3.20
93J851434	9.0	7.6	1.5	1	900	164.7	0.06	0.71	0.4	0.35	13	14.2	57.7	26	24.74	3.10
93J851435	3.1	2.5	0.4	1	420	132.8	0.07	0.52	0.1	0.11	4	5.6	19.7	10	8.65	1.30
93J851436	5.4	4.8	0.7	1	520	117.4	0.09	0.69	0.1	0.23	6	7.6	25.2	12	12.71	1.80
93J851437	3.6	2.9	0.2	1	420	72.0	0.08	0.63	0.1	0.11	9	7.9	22.4	10	10.24	1.80
93J851438	3.6	3.6	1.1	1	520	213.0	0.10	0.87	0.1	0.18	8	9.7	30.1	12	13.61	2.10
93J851439	10.8	7.7	0.9	1	560	213.0	0.12	0.65	0.2	0.41	13	12.0	29.2	16	15.39	3.30
93J851440	5.4	4.5	0.5	1	440	139.8	0.11	0.65	0.1	0.23	9	8.9	20.9	13	13.55	1.90
93J851442	5.4	4.9	0.9	2	480	135.4	0.10	1.58	0.1	0.17	9	8.8	26.7	16	15.08	2.00
93J851443	9.0	8.6	1.7	3	640	244.4	0.13	1.00	0.4	0.23	11	11.4	35.9	23	22.65	2.60
93J851444	1.8	2.3	0.6	1	940	171.4	0.15	0.38	0.4	0.39	11	10.5	44.6	17	16.22	1.90
93J851445	4.5	4.5	1.7	2	660	254.9	0.18	0.47	1.0	0.95	15	15.5	70.5	24	23.94	3.20
93J851446	1.8	2.1	2.2	2	320	248.8	0.08	0.50	0.6	0.53	4	4.2	37.7	30	27.67	1.20
93J851447	8.1	7.3	0.7	3	600	195.1	0.10	0.41	0.2	0.39	16	15.8	60.3	17	16.73	3.50
93J851448	14.4	12.7	1.8	2	600	407.8	0.13	1.68	0.8	0.85	8	8.3	55.8	32	32.08	3.50
93J851449	0.5	1.0	0.4	3	340	163.8	0.04	0.68	0.2	0.32	4	3.7	23.1	10	9.29	0.70
93J851450	1.8	1.9	1.8	3	520	234.7	0.09	1.05	0.8	0.63	8	8.0	51.2	30	29.80	1.50
93J851451	5.8	5.8	1.3	2	580	224.4	0.07	0.45	0.4	0.43	13	13.0	40.3	15	14.68	3.50
93J851452	3.6	3.7	0.9	2	500	168.4	0.09	0.44	0.2	0.47	12	14.0	52.1	22	22.39	2.80
93J851453	0.5	0.7	2.3	2	700	129.5	0.06	0.31	0.1	0.06	6	6.5	45.1	11	11.04	1.40
93J851454	4.1	3.4	0.9	2	620	242.0	0.09	0.49	0.2	0.21	10	11.3	32.4	17	16.20	2.00
93J851456	5.4	4.7	1.5	2	340	49.8	0.17	0.45	0.1	0.10	9	9.4	23.8	16	15.12	2.30
93J851457	3.6	2.7	0.6	1	320	59.3	0.12	0.29	0.1	0.13	9	9.5	23.8	15	13.41	1.90
93J851458	2.7	2.4	1.3	2	520	77.6	0.08	0.34	0.1	0.17	11	11.5	32.5	20	18.31	1.80
93J851459	2.7	2.3	0.8	2	360	62.6	0.09	0.26	0.1	0.11	8	8.1	23.0	13	12.12	1.70
93J851460	2.7	2.3	0.4	1	300	54.9	0.08	0.22	0.1	0.11	9	7.6	21.1	13	10.86	1.70
93J851462	9.0	6.8	0.9	2	520	228.6	0.08	0.61	0.2	0.38	12	11.5	45.5	16	15.06	2.60
93J851463	3.6	3.7	1.5	1	540	197.6	0.11	0.38	0.6	0.52	12	14.3	41.4	25	26.45	2.40

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851464	7.2	6.9	1.7	2	560	206.9	0.15	0.59	0.6	0.54	22	21.7	40.1	30	31.12	3.60
93J851465	7.2	6.9	1.9	1	600	254.3	0.18	0.54	0.1	0.06	19	20.1	48.2	49	49.20	3.90
93J851466	0.5	1.0	2.3	5	360	231.3	0.05	1.20	1.2	1.04	5	4.8	19.7	22	21.28	0.90
93J851467	0.5	1.1	0.6	2	320	164.2	0.07	0.48	0.6	0.50	6	6.1	50.8	13	13.21	1.20
93J851468	3.1	2.3	0.7	3	420	168.9	0.08	0.85	0.2	0.22	6	6.5	18.6	9	9.44	1.70
93J851469	7.2	6.4	1.4	3	560	214.2	0.13	0.67	0.2	0.29	15	16.4	35.6	26	25.63	3.00
93J851470	2.2	2.2	1.0	2	300	58.5	0.10	0.35	0.1	0.08	9	8.7	22.3	11	11.22	2.10
93J851471	2.2	2.0	1.5	1	340	52.2	0.09	0.29	0.1	0.06	7	7.9	19.5	10	9.75	1.90
93J851472	4.9	5.0	1.1	2	560	93.6	0.20	1.48	0.1	0.17	13	15.4	33.1	25	26.41	3.10
93J851474	2.7	2.2	0.3	1	260	44.0	0.10	0.17	0.2	0.10	8	8.5	27.0	13	12.09	1.70
93J851475	1.4	1.1	0.2	1	280	45.8	0.11	0.17	0.2	0.12	8	7.2	19.7	11	9.09	1.60
93J851476	3.1	2.4	0.9	1	380	89.2	0.21	0.20	0.2	0.30	13	14.4	29.9	18	17.95	2.40
93J851477	1.8	1.4	1.1	4	280	51.4	0.11	0.16	0.2	0.16	10	10.5	17.5	12	11.54	1.80
93J851478	9.0	8.8	1.7	1	520	229.2	0.22	0.45	0.1	0.16	22	23.2	43.2	52	52.25	4.30
93J851479	4.5	4.3	0.7	1	480	106.5	0.10	0.89	0.1	0.18	10	10.6	28.6	16	17.09	2.20
93J851480	2.2	2.1	1.1	2	640	374.6	0.10	0.56	0.4	0.50	7	7.2	21.9	12	12.37	1.80
93J851482	1.4	1.5	0.6	2	800	503.2	0.07	1.16	0.4	0.49	5	4.7	18.7	11	10.17	1.40
93J851483	3.6	3.6	2.5	4	780	176.1	0.07	0.99	0.4	0.32	12	14.2	105.0	28	29.15	2.00
93J851484	7.2	6.7	2.2	2	880	332.7	0.11	0.46	0.4	0.48	39	39.4	130.9	40	41.16	3.50
93J851485	4.5	4.0	1.5	2	860	293.6	0.09	0.55	0.2	0.22	13	13.4	92.1	37	38.88	2.30
93J851486	2.7	2.9	0.7	1	840	222.7	0.05	0.56	0.1	0.20	12	12.4	72.9	14	15.08	1.90
93J851487	3.6	4.3	2.8	2	720	308.0	0.10	0.58	0.6	0.55	13	14.0	89.1	35	37.24	2.70
93J851488	7.2	7.7	5.7	3	840	248.3	0.10	0.61	0.4	0.44	23	23.8	112.2	44	45.75	4.00
93J851489	2.7	2.1	2.3	2	660	351.6	0.08	0.84	0.8	0.81	10	9.9	78.2	34	33.89	2.00
93J851491	5.4	6.0	1.4	3	760	222.1	0.09	0.44	0.4	0.41	12	14.8	109.8	35	35.84	2.70
93J851492	2.7	2.7	1.0	3	780	133.4	0.06	0.44	0.4	0.33	10	11.1	75.5	24	22.90	1.80
93J851493	6.3	7.6	1.1	4	800	208.0	0.08	0.71	0.4	0.44	12	12.5	63.7	26	24.50	2.90
93J851494	7.2	7.1	2.2	2	920	235.5	0.10	1.25	0.4	0.37	15	17.6	105.7	50	42.01	2.80
93J851495	16.2	18.1	1.1	1	1040	402.1	0.05	0.55	0.1	0.21	10	10.7	73.8	14	13.78	2.90
93J851496	4.5	6.0	2.4	2	680	257.4	0.12	0.54	0.6	0.52	13	15.6	90.1	39	39.67	3.30
93J851497	3.6	5.3	2.5	2	720	294.4	0.10	0.63	0.8	0.85	4	17.2	89.7	31	33.17	3.10
93J851498	17.1	21.4	1.8	2	1000	479.1	0.06	0.74	0.1	0.28	10	12.6	82.3	16	16.74	3.10
93J851499	2.7	1.5	1.4	26	440	291.2	0.03	3.31	1.2	1.06	5	6.1	11.6	31	31.35	0.90
93J851500	0.5	0.1	1.0	16	600	332.4	0.04	2.88	0.8	0.57	2	2.6	24.8	32	31.48	0.48
93J851502	5.4	7.0	1.7	2	720	221.5	0.07	0.38	0.2	0.25	9	10.3	48.5	25	25.02	2.20
93J851504	6.3	7.9	3.9	3	900	303.1	0.10	0.85	0.4	0.41	12	15.2	71.8	40	40.94	2.70
93J851505	5.8	7.2	4.8	2	920	488.4	0.15	0.59	0.1	0.30	14	15.8	69.4	50	56.01	2.80
93J851506	5.4	5.5	1.5	2	920	355.7	0.07	0.42	0.2	0.22	10	10.7	84.4	29	29.47	1.90
93J851507	5.4	5.7	2.3	2	800	331.2	0.11	0.46	0.2	0.36	14	15.4	79.1	38	39.62	2.70
93J851508	4.1	4.1	2.2	3	800	272.7	0.08	0.50	0.4	0.28	14	14.8	106.4	34	34.38	2.10
93J851509	4.5	5.5	1.6	1	600	170.9	0.10	0.40	0.2	0.33	16	15.6	42.0	19	19.21	2.70
93J851510	7.2	7.7	1.9	1	600	256.6	0.15	0.70	0.4	0.54	13	17.0	43.5	38	40.54	3.30
93J851511	2.7	3.6	0.6	1	680	115.2	0.04	0.33	0.2	0.18	8	8.2	47.1	12	12.20	1.70
93J851512	3.1	4.3	1.6	1	600	154.7	0.10	0.39	0.2	0.22	12	12.9	46.4	27	27.70	2.40
93J851513	3.6	4.6	2.4	1	640	289.7	0.13	0.63	0.8	0.81	15	16.8	56.5	32	32.32	2.60
93J851514	8.1	10.1	2.2	2	600	241.4	0.18	0.69	0.1	0.20	19	19.0	58.9	59	59.18	3.80
93J851515	9.9	10.2	2.6	1	600	235.8	0.18	0.68	0.1	0.24	19	19.7	56.6	57	57.48	4.00
93J851516	7.2	7.9	3.4	3	820	422.8	0.13	1.06	0.8	0.86	13	15.5	103.7	58	61.85	3.40
93J851517	1.8	2.3	1.1	2	680	140.9	0.06	0.46	0.1	0.18	9	8.5	71.2	19	19.78	1.60
93J851518	3.6	4.2	3.3	1	740	212.9	0.09	0.59	0.6	0.59	14	14.4	53.2	30	30.79	2.50
93J851519	2.7	3.7	14.7	1	680	213.3	0.08	0.63	0.8	0.64	10	10.2	51.6	25	26.92	2.20
93J851520	8.1	7.4	4.9	5	640	189.8	0.10	2.13	2.4	2.41	10	9.7	69.1	84	84.15	4.40

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851522	1.4	1.7	2.9	1	800	198.6	0.05	0.52	0.1	0.21	7	8.3	55.3	14	14.58	1.70
93J851523	1.4	1.4	1.4	3	620	224.1	0.08	0.97	0.8	0.62	11	10.1	103.8	36	34.40	1.70
93J851524	3.6	3.8	2.6	1	600	208.0	0.07	0.63	0.4	0.50	8	8.2	41.5	33	32.36	1.80
93J851525	1.8	1.4	1.8	1	420	377.6	0.09	0.52	0.1	0.16	5	4.8	32.8	32	27.77	1.70
93J851526	1.4	1.5	0.7	1	600	160.9	0.07	0.43	0.2	0.24	7	6.4	36.3	15	14.88	1.40
93J851527	0.9	1.5	1.5	1	600	228.2	0.07	0.47	0.6	0.56	6	6.1	35.9	24	22.70	1.20
93J851529	8.1	8.3	1.6	2	720	365.0	0.10	0.83	0.4	0.47	12	12.0	42.9	28	29.03	3.40
93J851530	1.4	1.6	1.1	1	500	128.5	0.08	0.26	0.6	0.47	14	4.5	34.0	22	21.74	1.10
93J851531	6.3	5.7	1.1	1	740	159.6	0.07	0.34	0.2	0.39	13	13.9	52.7	20	20.14	2.30
93J851532	1.8	2.6	0.5	1	660	115.2	0.06	0.28	0.1	0.18	7	8.1	34.9	26	26.41	1.90
93J851533	2.7	3.9	1.0	1	640	154.0	0.06	0.33	0.1	0.22	10	10.3	32.9	17	16.56	2.10
93J851534	3.1	4.0	1.9	1	600	162.9	0.07	0.34	0.2	0.26	10	10.2	33.9	18	17.54	2.00
93J851535	3.6	4.0	0.6	1	640	149.2	0.05	0.41	0.1	0.19	9	8.4	30.3	10	9.65	1.80
93J851536	4.5	4.6	1.7	1	660	155.1	0.09	0.36	0.1	0.18	16	16.1	36.2	25	25.17	2.30
93J851537	2.7	3.1	0.7	1	600	176.7	0.07	0.45	0.4	0.35	9	8.9	30.7	20	19.85	2.00
93J851538	9.0	9.0	2.1	2	600	229.5	0.11	0.44	0.1	0.19	13	13.5	31.6	24	24.83	2.90
93J851539	7.2	8.3	0.9	1	660	199.2	0.07	0.39	0.4	0.34	14	15.2	36.6	23	24.70	2.40
93J851540	3.6	4.0	0.4	1	680	193.4	0.04	0.59	0.2	0.26	4	5.5	24.9	14	15.86	1.40
93J851542	4.1	4.3	0.8	1	640	118.0	0.07	0.50	0.1	0.21	9	10.7	32.0	16	16.03	1.70
93J851543	4.5	4.8	0.4	1	620	113.8	0.06	0.41	0.1	0.21	10	10.9	32.8	13	13.68	1.70
93J851544	3.6	3.5	0.7	1	640	108.6	0.05	0.39	0.1	0.16	8	9.5	29.0	12	11.82	1.50
93J851545	4.9	4.7	1.2	1	640	125.9	0.08	0.48	0.2	0.23	9	11.2	31.8	16	17.77	1.90
93J851546	5.4	5.2	1.2	1	600	136.1	0.11	0.49	0.1	0.26	13	13.3	34.3	23	23.29	2.30
93J851547	13.5	13.5	1.0	1	740	269.2	0.10	0.75	0.2	0.38	18	16.9	43.3	23	23.71	3.60
93J851548	6.3	6.6	2.1	1	600	172.9	0.20	0.88	0.2	0.47	18	16.6	42.3	43	40.26	3.70
93J851549	5.4	5.0	1.2	1	680	109.5	0.06	0.33	0.1	0.19	10	9.8	34.1	14	13.49	1.80
93J851550	9.0	9.6	1.9	2	540	225.9	0.22	0.48	0.1	0.23	24	23.2	51.7	44	43.02	3.90
93J851551	10.8	9.9	1.5	1	680	220.7	0.11	0.72	0.4	0.53	19	17.7	43.9	29	29.06	3.00
93J851552	18.9	20.1	1.3	1	660	235.7	0.10	0.65	0.2	0.43	22	22.8	38.1	20	21.12	4.60
93J851553	1.8	2.5	1.1	1	560	85.8	0.10	0.51	0.1	0.18	9	9.1	26.1	19	20.15	1.70
93J851554	2.7	2.6	1.5	1	560	78.0	0.10	0.50	0.1	0.16	10	9.3	27.9	18	18.96	1.70
93J851555	2.7	2.7	0.9	1	480	56.5	0.08	0.58	0.1	0.14	7	7.3	22.6	13	13.44	1.40
93J851556	4.9	5.1	0.9	1	680	146.0	0.09	0.40	0.1	0.22	13	12.9	39.9	24	25.37	2.30
93J851557	7.2	7.3	1.4	2	520	328.3	0.13	0.81	1.2	1.13	16	14.2	36.0	34	31.81	3.00
93J851558	4.5	4.4	0.8	1	680	140.5	0.08	0.34	0.2	0.20	13	11.1	32.5	17	16.00	2.00
93J851559	3.6	3.9	0.6	1	620	90.3	0.05	0.30	0.1	0.12	9	9.1	34.1	11	10.28	1.60
93J851562	2.2	2.4	1.0	1	660	124.2	0.05	0.38	0.1	0.18	10	9.3	29.5	12	12.17	1.40
93J851563	4.5	4.0	0.5	1	640	97.6	0.04	0.33	0.1	0.14	7	8.8	32.3	12	11.37	1.50
93J851564	4.9	4.8	1.2	3	660	105.8	0.06	0.36	0.1	0.17	10	10.4	37.9	13	13.33	1.70
93J851565	2.2	2.8	2.2	1	640	196.0	0.12	0.43	0.2	0.29	7	7.4	43.3	30	30.49	1.60
93J851566	4.5	5.1	0.9	2	680	148.3	0.08	0.40	0.1	0.31	11	11.7	38.7	18	18.62	2.20
93J851567	2.7	3.3	0.5	1	660	95.5	0.05	0.31	0.2	0.18	8	8.4	31.5	12	11.83	1.60
93J851568	4.5	4.4	0.8	1	640	118.6	0.11	0.56	0.1	0.17	12	12.0	34.2	20	18.96	2.20
93J851569	4.1	4.2	0.7	1	360	40.3	0.16	1.53	0.1	0.07	10	9.2	19.1	20	18.34	1.90
93J851570	3.6	3.5	0.9	1	400	44.5	0.13	1.74	0.1	0.09	9	10.0	21.0	19	19.98	2.00
93J851571	4.5	3.9	0.7	1	440	48.9	0.14	1.96	0.2	0.11	10	10.0	21.8	21	18.85	2.20
93J851572	3.6	2.3	0.7	2	220	26.5	0.08	1.73	0.1	0.06	4	6.1	18.6	9	11.88	1.20
93J851573	3.6	3.8	1.8	2	400	241.2	0.19	0.90	0.1	0.39	12	14.0	37.5	26	28.73	2.90
93J851574	6.3	5.7	1.2	2	620	159.7	0.12	0.48	0.2	0.37	18	17.2	38.7	23	23.08	2.90
93J851575	5.4	4.8	1.2	2	380	84.3	0.15	0.49	0.4	0.26	14	12.8	25.4	18	17.33	2.30
93J851577	5.4	5.4	0.7	1	400	88.3	0.21	1.41	0.1	0.16	14	14.1	33.6	28	26.94	3.20
93J851578	5.4	5.5	1.0	1	580	80.6	0.21	1.37	0.1	0.17	15	14.3	33.6	28	26.86	3.10

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851579	5.4	5.7	1.3	2	680	148.1	0.11	0.43	0.2	0.26	13	13.3	38.9	24	23.62	2.50
93J851580	6.3	7.0	1.1	1	460	83.4	0.24	0.33	0.1	0.12	15	16.6	36.7	30	30.50	3.40
93J851582	3.1	3.4	0.7	1	440	79.1	0.13	0.35	0.2	0.32	10	10.8	28.7	19	18.62	1.90
93J851583	10.8	10.0	6.3	2	2520	357.5	0.16	0.58	1.0	0.84	13	12.5	20.7	69	71.86	2.20
93J851584	0.9	0.8	1.2	1	1320	331.0	0.21	0.31	0.2	0.35	15	14.7	20.5	18	18.02	1.20
93J851585	0.9	0.8	0.9	1	880	140.4	0.24	0.28	0.1	0.08	7	7.4	33.5	12	11.38	1.30
93J851586	0.5	0.9	1.0	1	220	99.3	0.06	0.50	0.4	0.38	3	2.3	11.6	12	13.68	0.35
93J851587	11.7	13.4	2.2	1	640	153.3	0.22	0.41	0.1	0.26	15	15.9	52.5	25	27.63	4.40
93J851588	3.1	3.5	1.0	7	700	148.1	0.21	0.43	0.2	0.31	22	23.1	40.7	15	15.63	2.50
93J851589	3.6	3.5	0.7	1	760	104.7	0.35	0.26	0.2	0.39	13	14.7	35.2	20	21.36	2.60
93J851590	3.6	3.9	1.2	1	680	113.1	0.40	0.28	0.2	0.43	17	16.1	36.1	22	23.48	2.80
93J851591	0.5	0.6	3.5	2	120	110.8	0.03	0.68	0.2	0.39	3	2.8	5.2	12	13.03	0.29
93J851592	18.0	20.4	0.6	1	400	154.3	0.28	0.26	0.2	0.68	46	50.4	27.2	12	12.63	14.00
93J851593	5.8	-1.0	-1.0	-1	760	-1.0	-1.00	-1.00	0.2	-1.00	22	-1.0	-1.0	21	-1.00	2.90
93J851594	0.9	0.9	0.6	1	700	65.6	0.17	0.23	0.1	0.12	9	9.2	26.4	13	11.76	1.80
93J851595	4.1	3.4	0.4	4	620	225.9	0.08	2.04	0.1	0.31	6	6.5	23.2	13	12.74	1.50
93J851597	0.5	0.8	0.5	6	400	295.1	0.04	2.13	0.8	0.79	2	2.1	10.7	11	11.91	0.48
93J851598	4.5	4.3	0.9	4	720	467.4	0.13	0.68	1.8	1.91	12	12.9	29.3	17	18.51	3.00
93J851599	1.4	1.7	0.3	5	700	438.7	0.09	2.02	0.4	0.46	6	7.4	26.3	26	27.62	1.90
93J851600	3.1	3.5	1.1	4	540	403.6	0.08	2.27	0.2	0.29	4	4.5	18.1	14	14.82	1.00
93J851602	2.2	2.0	1.8	3	540	253.3	0.11	0.57	0.4	0.44	9	7.7	24.9	12	11.81	1.80
93J851603	10.3	9.3	1.5	1	340	72.0	0.38	0.22	0.1	0.09	21	22.0	21.7	31	33.93	3.80
93J851604	5.4	5.3	0.7	2	460	114.5	0.14	1.56	0.1	0.21	13	14.1	25.5	19	18.73	2.50
93J851605	14.4	15.2	1.2	1	380	47.1	0.73	0.26	0.1	0.09	17	19.0	21.0	37	39.44	3.60
93J851606	3.1	3.2	0.7	2	540	83.5	0.12	3.27	0.1	0.12	10	10.1	18.3	14	12.40	2.00
93J851607	2.7	2.0	0.7	2	480	118.1	0.09	1.04	0.1	0.10	7	7.6	19.6	12	11.28	1.90
93J851608	2.7	2.4	0.6	2	540	131.0	0.10	1.96	0.1	0.12	7	9.0	22.0	15	14.40	1.90
93J851609	2.7	3.1	0.9	3	540	131.6	0.09	1.46	0.1	0.12	8	9.3	22.0	11	11.19	1.90
93J851611	6.3	6.6	0.9	1	400	103.5	0.19	0.99	0.1	0.19	17	17.6	25.0	19	21.47	2.50
93J851612	3.6	4.3	0.9	2	480	210.4	0.09	0.52	0.1	0.21	10	9.9	30.2	14	14.36	2.10
93J851613	2.2	2.6	0.9	3	520	219.5	0.09	1.02	0.1	0.12	8	8.0	19.5	10	10.79	1.70
93J851614	10.8	9.9	2.7	4	1020	293.7	0.12	0.71	0.4	0.47	12	11.2	47.4	35	33.95	2.60
93J851615	4.1	3.9	1.1	2	480	141.5	0.08	0.97	0.6	0.62	9	10.5	46.9	39	42.37	2.00
93J851616	4.5	4.5	1.9	4	600	211.9	0.07	1.39	0.6	0.60	20	20.5	112.5	60	60.16	3.20
93J851617	9.0	8.6	31.4	2	780	148.1	0.12	0.55	0.2	0.38	13	13.4	44.7	45	43.87	2.80
93J851618	13.5	11.6	2.5	2	1020	133.6	0.13	2.55	1.2	1.32	22	20.8	33.5	95	94.97	4.50
93J851619	12.6	13.7	1.8	3	800	180.2	0.05	0.83	0.2	0.25	9	9.7	30.8	32	31.02	2.50
93J851620	5.4	5.1	4.3	2	860	359.7	0.17	0.93	1.0	0.97	13	13.0	48.4	44	42.84	2.50
93J851622	5.4	5.5	6.2	1	860	200.8	0.37	0.61	0.1	0.22	13	13.0	53.7	24	23.75	3.60
93J851623	2.7	2.3	3.6	2	800	133.6	0.16	0.53	0.1	0.18	11	10.6	48.6	24	23.46	2.60
93J851625	2.2	2.4	2.8	2	940	88.3	0.10	0.55	0.1	0.16	6	7.0	38.0	24	24.38	1.70
93J851626	5.4	5.7	1.4	2	720	99.3	0.06	0.42	0.2	0.33	10	10.8	72.8	22	23.86	2.00
93J851627	8.1	8.0	1.7	2	780	248.1	0.08	0.85	0.2	0.54	16	16.0	83.0	26	26.81	3.50
93J851628	18.9	17.3	1.5	3	760	282.8	0.05	0.55	0.2	0.40	11	11.1	51.5	19	19.01	3.80
93J851629	2.7	2.9	1.1	2	740	156.1	0.05	0.48	0.1	0.35	10	10.9	56.9	13	13.69	1.70
93J851630	3.1	3.6	1.5	1	660	183.0	0.07	0.58	0.1	0.32	10	9.8	51.9	24	22.12	2.40
93J851631	4.1	4.1	0.9	2	840	86.0	0.06	0.42	0.4	0.45	8	9.1	41.6	23	22.43	1.50
93J851632	2.7	3.2	1.0	2	880	199.2	0.06	0.54	0.2	0.43	10	10.8	51.2	16	15.54	1.80
93J851633	3.1	3.8	1.1	3	940	174.2	0.09	0.71	0.4	0.43	13	12.6	55.4	22	21.52	2.60
93J851634	2.7	2.8	1.8	2	940	147.0	0.07	0.59	0.2	0.31	10	9.9	49.3	19	17.55	2.20
93J851635	5.8	5.4	2.5	2	820	250.2	0.07	0.73	1.2	0.99	12	12.6	74.2	33	31.51	2.40
93J851636	4.9	5.2	2.1	1	720	150.6	0.09	0.55	0.2	0.33	12	12.1	60.7	24	24.66	2.10

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851637	3.6	3.9	1.6	4	600	263.6	0.08	0.76	1.0	1.00	11	10.9	76.0	33	32.22	2.50
93J851638	4.5	5.1	1.1	4	720	159.1	0.07	0.66	0.2	0.40	12	13.2	71.0	22	22.10	2.80
93J851639	5.4	5.7	1.5	2	820	219.4	0.10	0.89	0.8	0.95	22	20.8	75.3	24	25.73	3.70
93J851640	2.7	2.8	1.9	3	820	152.4	0.08	0.53	0.6	0.40	10	11.2	78.8	27	26.71	2.10
93J851642	4.5	4.6	1.9	1	940	265.0	0.16	0.55	1.0	0.82	13	11.6	58.0	21	20.34	2.40
93J851643	1.8	1.5	0.7	3	820	105.6	0.14	0.31	0.1	0.17	6	5.7	29.0	13	11.47	1.20
93J851644	3.6	4.2	1.0	2	540	197.8	0.11	0.45	0.6	0.60	14	13.6	57.5	20	19.42	2.40
93J851645	6.3	7.3	2.0	3	660	242.2	0.19	0.53	0.4	0.57	17	17.8	63.5	32	32.03	3.20
93J851646	3.6	3.7	1.3	2	720	145.8	0.12	0.44	0.2	0.33	12	12.1	58.3	20	20.71	2.00
93J851647	3.1	3.2	1.8	2	860	224.6	0.11	0.87	0.8	0.67	10	11.2	69.5	20	20.60	2.10
93J851648	3.1	3.7	1.4	3	800	177.6	0.11	0.54	0.2	0.36	11	11.1	57.4	19	18.51	2.00
93J851649	3.2	4.6	1.3	2	820	168.3	0.11	0.35	0.6	0.62	10	12.7	72.3	23	24.23	2.50
93J851650	8.8	11.0	5.7	4	1400	737.7	0.21	0.60	1.2	1.49	47	51.3	83.5	90	95.89	4.40
93J851651	5.2	6.0	14.5	2	960	257.6	0.13	0.79	0.4	0.52	14	15.6	62.9	33	34.67	3.00
93J851653	3.2	3.6	1.2	3	860	130.0	0.08	0.56	0.6	0.63	9	10.1	67.6	21	21.30	1.90
93J851654	4.0	5.5	1.4	3	880	138.9	0.06	0.49	0.1	0.31	12	12.4	55.0	20	20.49	2.30
93J851655	2.4	3.1	1.2	3	860	82.5	0.04	0.41	0.1	0.24	7	7.6	49.9	17	18.09	1.40
93J851656	2.4	3.2	1.1	4	1020	145.5	0.04	0.73	0.1	0.25	14	14.8	61.4	18	17.05	2.70
93J851657	2.4	3.6	1.1	3	1060	158.5	0.04	0.70	0.1	0.23	15	14.9	64.6	20	18.63	2.90
93J851658	2.4	3.4	2.0	5	1060	162.0	0.04	0.79	0.2	0.25	15	14.6	64.3	17	16.70	2.60
93J851659	10.4	12.5	3.7	2	1160	202.0	0.08	0.65	1.2	1.20	13	13.0	46.4	30	30.28	2.60
93J851660	8.4	9.8	3.3	3	960	157.9	0.10	0.62	0.1	0.35	16	16.3	68.0	37	34.58	3.20
93J851662	7.2	9.0	2.9	2	860	238.8	0.10	0.57	0.6	0.79	14	16.2	70.0	31	32.69	3.30
93J851663	6.8	7.5	1.5	2	960	167.1	0.12	0.57	0.2	0.52	16	17.0	67.1	38	39.08	3.00
93J851665	4.0	4.9	1.7	2	840	168.9	0.10	0.46	0.1	0.34	13	14.3	73.9	39	41.55	2.40
93J851666	3.2	5.0	1.5	1	820	344.4	0.28	0.75	1.2	1.31	17	20.0	91.6	49	56.84	3.20
93J851667	0.8	0.7	2.3	1	500	283.7	0.08	0.90	1.4	1.36	5	5.7	50.4	40	41.57	0.90
93J851668	0.8	1.3	0.8	1	960	222.0	0.07	0.68	0.4	0.50	7	8.1	53.5	16	16.25	1.40
93J851669	1.6	1.9	3.2	3	440	346.2	0.08	1.90	2.0	2.22	10	9.6	65.6	50	51.51	1.50
93J851670	4.8	5.5	0.8	3	840	153.6	0.05	0.72	0.1	0.41	14	13.6	91.0	20	18.55	2.70
93J851671	4.8	5.5	1.5	1	820	230.0	0.09	0.90	0.6	0.74	17	16.1	78.7	37	37.57	3.30
93J851672	1.6	2.5	1.7	3	300	203.0	0.03	1.65	1.2	1.26	9	8.9	31.5	32	33.33	1.30
93J851673	7.2	9.4	1.5	1	780	213.1	0.19	0.48	0.2	0.35	26	27.6	44.7	42	43.01	3.80
93J851674	8.8	11.1	1.8	1	780	233.5	0.21	0.47	0.1	0.37	30	29.7	49.8	57	54.87	4.40
93J851675	1.6	1.8	0.6	1	560	122.6	0.14	0.18	0.2	0.28	9	9.1	31.8	21	20.28	2.50
93J851676	2.4	2.2	1.7	1	780	92.0	0.06	0.29	0.2	0.24	6	7.1	44.8	16	16.07	1.40
93J851677	3.2	3.3	0.5	1	980	175.8	0.08	0.49	0.6	0.68	11	11.2	53.6	17	16.14	2.20
93J851678	2.4	2.5	1.4	1	840	90.8	0.06	0.30	0.1	0.23	7	7.4	46.7	17	17.32	1.60
93J851679	3.2	3.8	1.3	1	840	158.8	0.12	0.39	0.1	0.21	13	14.5	71.9	32	33.49	2.60
93J851680	1.6	2.0	0.8	1	540	136.7	0.11	0.33	0.1	0.17	9	9.9	31.3	16	16.68	1.90
93J851682	2.4	2.7	0.8	1	520	152.8	0.09	0.60	0.1	0.26	10	11.0	37.3	22	22.66	2.20
93J851683	3.6	4.2	0.8	1	560	160.2	0.10	1.06	0.1	0.21	9	9.3	31.5	15	16.54	1.90
93J851684	3.2	3.7	0.4	1	420	68.9	0.13	0.21	0.1	0.18	11	12.0	25.7	14	14.94	2.40
93J851685	4.8	5.4	0.4	1	500	149.0	0.12	0.46	0.1	0.26	12	12.6	25.7	17	16.47	2.40
93J851686	4.8	4.8	1.1	1	820	176.7	0.13	0.57	0.1	0.13	8	10.2	42.7	30	32.11	2.70
93J851687	0.8	0.8	0.5	1	420	193.4	0.07	0.58	0.2	0.35	2	2.4	18.8	8	7.83	0.70
93J851688	2.4	2.5	0.3	1	440	185.4	0.08	0.45	0.2	0.31	6	5.4	20.8	9	8.71	1.70
93J851689	2.4	2.5	0.6	2	420	200.5	0.09	2.38	0.1	0.17	8	8.2	22.0	13	11.88	1.70
93J851690	2.4	3.1	1.6	3	760	313.9	0.10	0.60	2.0	2.31	16	17.4	89.5	38	39.78	2.50
93J851692	0.8	1.1	2.8	1	600	522.5	0.07	0.58	0.2	0.28	5	5.3	55.1	39	42.23	0.90
93J851693	0.8	1.2	2.7	1	780	658.5	0.07	1.35	0.4	0.53	7	7.7	62.0	43	47.17	1.40
93J851694	5.6	7.0	1.8	2	900	282.6	0.18	0.91	0.1	0.41	15	17.7	47.5	29	30.37	3.20

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851695	6.4	7.8	1.9	3	900	438.6	0.13	0.86	1.0	1.16	21	22.4	108.2	39	38.94	4.00
93J851696	6.4	8.4	1.6	3	860	396.2	0.13	0.78	1.0	1.02	20	21.8	105.8	36	36.79	3.80
93J851697	3.2	4.3	0.9	2	860	292.2	0.08	0.52	0.4	0.44	11	14.1	58.0	19	20.79	2.30
93J851698	2.8	3.9	1.2	2	900	263.7	0.08	0.54	0.1	0.23	12	14.9	62.5	20	21.89	2.30
93J851699	2.0	2.5	1.0	2	800	251.1	0.09	0.58	0.4	0.43	10	11.9	47.8	19	21.82	2.30
93J851700	1.6	2.6	0.8	2	760	243.6	0.08	0.57	0.1	0.33	9	11.5	38.1	18	19.92	2.20
93J851702	0.8	1.4	1.1	1	680	241.6	0.09	0.55	0.4	0.43	5	7.6	46.3	20	23.72	1.30
93J851703	3.2	3.1	0.9	1	740	183.4	0.09	0.48	0.1	0.24	11	12.9	62.3	23	25.68	2.20
93J851705	3.2	4.1	0.8	2	900	239.6	0.07	0.49	0.1	0.29	11	12.1	73.8	17	18.23	2.10
93J851706	4.8	6.4	0.7	2	740	387.9	0.13	0.51	0.6	0.80	18	23.0	73.6	28	32.72	3.70
93J851707	2.0	2.8	0.3	1	820	120.8	0.05	0.32	0.1	0.22	7	9.5	73.6	15	16.26	1.60
93J851708	5.6	5.8	1.8	3	880	305.0	0.08	0.70	0.4	0.53	11	14.4	84.6	25	28.97	2.20
93J851709	7.2	7.2	1.1	2	820	238.8	0.06	0.50	0.4	0.33	9	11.6	82.0	19	20.04	2.20
93J851710	2.4	2.6	1.3	1	800	128.6	0.07	0.33	0.1	0.16	10	10.4	63.8	15	16.74	1.50
93J851711	4.0	4.3	0.3	4	860	115.0	0.02	0.42	0.1	0.09	6	8.3	74.1	10	9.72	1.90
93J851712	3.2	3.6	0.4	3	820	131.0	0.03	0.43	0.1	0.07	8	8.9	84.7	12	11.80	1.70
93J851713	2.4	2.7	0.5	2	780	123.4	0.03	0.43	0.1	0.12	7	7.8	50.9	11	12.06	1.10
93J851714	3.2	3.5	1.2	2	960	414.8	0.09	0.96	0.4	0.30	7	10.4	73.3	32	37.93	1.80
93J851715	1.6	1.0	1.5	5	620	374.6	0.03	2.42	0.4	0.49	3	3.5	46.0	29	30.76	0.90
93J851716	1.6	1.7	0.6	3	840	152.4	0.02	0.59	0.1	0.11	4	4.6	27.6	11	11.56	0.90
93J851717	2.4	2.3	1.0	7	740	202.5	0.04	0.75	0.4	0.35	7	7.0	32.8	16	16.95	1.20
93J851718	2.4	3.2	1.2	3	900	274.5	0.05	0.78	0.1	0.30	8	9.0	60.9	15	16.97	1.60
93J851719	1.6	1.8	1.1	2	800	217.4	0.04	0.43	0.1	0.15	8	9.1	72.1	12	12.59	1.50
93J851720	1.6	2.0	0.8	2	940	223.3	0.04	0.43	0.1	0.16	8	9.2	75.8	11	12.59	1.30
93J851722	5.6	6.0	1.8	3	980	301.1	0.07	0.74	0.4	0.54	14	14.9	90.5	24	25.10	2.90
93J851723	7.2	8.2	1.9	3	1040	415.0	0.10	0.84	0.6	0.70	18	19.2	101.3	30	32.00	3.80
93J851724	5.6	6.3	1.3	2	1000	263.9	0.08	0.76	0.1	0.39	10	11.9	71.4	24	25.38	2.30
93J851726	9.6	10.0	2.1	3	1000	192.3	0.10	0.89	0.4	0.57	16	16.8	74.1	44	45.83	2.70
93J851727	5.6	5.0	1.2	3	820	110.7	0.07	0.59	0.1	0.24	11	11.7	65.5	25	27.35	1.90
93J851728	3.6	4.0	1.7	2	860	170.4	0.08	0.49	0.4	0.40	10	11.4	68.4	32	35.37	2.10
93J851729	4.8	4.5	0.9	1	500	179.1	0.10	0.35	0.1	0.32	25	27.5	28.6	10	12.09	2.80
93J851730	0.5	1.0	0.7	1	160	114.1	0.06	0.89	0.1	0.25	3	1.5	10.0	12	13.18	0.27
93J851731	0.8	1.1	0.2	1	440	97.2	0.10	0.22	0.1	0.20	5	6.0	23.5	7	8.76	1.10
93J851732	0.5	0.4	2.9	1	160	127.1	0.06	0.72	0.2	0.44	3	2.6	7.1	13	14.01	0.37
93J851733	3.6	3.7	1.2	1	700	154.5	0.12	0.43	0.1	0.15	10	12.4	37.2	22	25.85	2.10
93J851734	4.0	3.9	1.0	1	680	163.0	0.12	0.41	0.1	0.15	11	12.2	37.8	23	26.14	2.20
93J851735	2.4	1.6	0.6	2	660	272.6	0.06	1.08	0.1	0.23	5	4.2	13.2	8	7.26	0.90
93J851736	2.4	1.7	0.3	1	640	237.7	0.07	1.52	0.2	0.34	5	5.1	14.3	9	8.90	1.30
93J851737	2.8	2.4	1.6	2	820	263.6	0.08	0.56	0.1	0.29	14	15.2	66.1	23	25.60	2.30
93J851738	2.4	2.0	1.2	1	800	222.7	0.06	0.38	0.1	0.11	5	6.4	49.8	19	20.38	1.60
93J851739	2.0	2.3	0.6	1	780	276.2	0.09	0.61	0.8	0.79	9	9.9	45.7	32	35.08	2.10
93J851740	0.8	1.1	0.5	2	640	132.7	0.05	0.28	0.4	0.27	4	3.8	22.2	8	8.86	0.85
93J851742	1.2	1.5	1.6	1	340	176.0	0.06	0.99	1.2	1.36	5	5.2	24.5	34	32.93	0.80
93J851743	5.6	5.1	1.6	1	920	161.3	0.07	0.72	0.6	0.59	12	12.3	51.7	26	26.42	2.40
93J851744	4.0	3.5	1.0	1	660	121.8	0.09	0.41	0.2	0.27	10	10.3	60.3	20	21.17	1.70
93J851745	6.4	6.3	1.2	2	840	223.8	0.12	0.62	0.1	0.25	12	13.2	56.8	34	38.81	2.50
93J851746	2.4	2.0	0.5	1	480	123.6	0.08	0.25	0.1	0.18	9	6.7	22.1	11	10.41	1.50
93J851747	3.2	2.6	0.7	2	540	174.1	0.08	1.91	0.2	0.28	7	6.1	19.5	13	12.07	1.30
93J851748	3.2	3.0	1.5	1	900	375.5	0.14	0.66	0.1	0.12	9	9.4	61.3	34	37.40	2.80
93J851749	9.6	9.0	1.5	1	880	269.5	0.16	0.68	0.1	0.33	26	24.1	58.2	42	42.48	4.10
93J851750	3.2	3.6	0.8	1	820	127.4	0.05	0.48	0.1	0.20	10	9.0	53.6	18	17.39	2.00
93J851751	2.4	2.9	0.3	1	780	112.9	0.04	0.49	0.1	0.18	8	8.9	55.1	13	14.50	1.70

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851753	2.4	3.2	0.4	1	660	183.8	0.12	0.41	0.2	0.39	11	12.3	55.6	22	22.39	2.30
93J851754	0.8	1.6	1.6	3	600	503.7	0.04	2.14	0.8	0.75	4	2.9	23.2	29	29.59	1.70
93J851755	1.6	1.0	3.3	2	760	621.4	0.13	1.72	2.6	3.10	10	12.0	104.7	61	69.08	2.20
93J851756	8.0	7.2	0.9	3	1080	139.9	0.12	0.63	0.4	0.32	10	11.4	63.4	26	28.36	2.60
93J851757	6.4	6.1	2.3	3	1060	187.5	0.20	0.52	0.1	0.45	14	14.9	60.2	39	39.10	2.50
93J851758	3.2	2.4	1.4	2	420	462.8	0.11	1.48	2.4	2.60	6	7.8	32.5	41	41.62	1.30
93J851759	4.8	4.1	0.6	1	420	61.4	0.11	0.35	0.1	0.06	8	7.6	11.2	11	9.97	1.70
93J851760	4.8	4.3	0.5	1	460	70.6	0.13	0.42	0.1	0.09	8	9.6	13.0	12	12.05	1.80
93J851762	0.8	0.9	1.0	2	160	151.3	0.04	0.42	0.2	0.46	4	3.5	8.4	17	19.08	0.33
93J851763	2.4	3.6	1.3	2	660	119.3	0.31	0.25	0.1	0.26	10	12.4	46.9	29	34.56	2.80
93J851764	2.8	3.1	1.6	1	860	97.7	0.15	0.33	0.1	0.20	9	9.8	35.4	19	22.12	1.80
93J851765	5.6	5.0	2.1	2	920	122.2	0.06	0.49	0.1	0.30	12	13.6	52.7	28	35.88	2.70
93J851766	5.6	5.2	1.0	2	780	87.3	0.12	0.59	0.4	0.31	9	11.7	52.2	24	26.29	1.90
93J851767	6.4	6.7	1.6	2	920	186.2	0.09	0.67	0.6	0.82	13	16.2	62.1	25	30.71	2.70
93J851768	3.6	3.3	0.5	3	420	144.2	0.09	0.89	0.1	0.10	7	7.4	22.8	12	14.30	1.60
93J851769	3.2	3.5	0.4	4	380	139.2	0.09	0.75	0.1	0.07	5	7.1	21.6	32	13.29	1.50
93J851770	0.5	0.1	0.2	4	720	393.3	0.09	2.37	1.0	1.20	5	5.1	48.6	25	28.14	0.80
93J851771	4.8	4.1	0.4	1	380	87.1	0.19	0.36	0.1	0.21	10	14.6	30.7	17	21.31	2.40
93J851772	3.2	2.1	0.5	1	340	57.3	0.09	0.88	0.1	0.09	7	7.1	18.1	10	10.42	1.60
93J851773	6.4	6.4	0.5	2	480	192.6	0.11	0.93	0.1	0.37	7	10.2	28.5	14	16.21	2.70
93J851774	2.4	2.4	0.7	1	440	109.8	0.13	0.33	0.1	0.23	10	11.6	26.8	12	12.60	2.20
93J851776	0.8	0.9	0.2	1	500	170.2	0.16	0.26	0.6	0.61	4	4.0	14.5	9	10.40	0.90
93J851777	4.0	4.7	0.9	1	540	119.1	0.11	0.45	0.1	0.24	8	12.5	41.5	15	18.81	2.30
93J851778	4.0	4.6	1.4	4	640	187.9	0.09	0.89	0.1	0.36	9	12.3	43.8	29	36.66	2.10
93J851779	3.2	2.9	0.9	4	740	150.9	0.07	0.65	0.1	0.26	8	11.1	38.8	26	31.03	1.60
93J851780	4.8	6.1	1.2	2	820	199.6	0.08	0.50	0.1	0.26	9	13.0	55.9	18	23.65	2.20
93J851782	7.2	7.9	1.2	3	700	199.4	0.12	0.91	0.1	0.27	11	14.5	41.3	31	37.97	2.60
93J851783	5.2	5.0	0.8	2	760	148.1	0.07	0.43	0.1	0.22	9	11.3	39.9	20	24.65	2.20
93J851784	4.4	3.9	1.2	3	860	168.0	0.08	0.42	0.2	0.23	13	15.2	147.3	22	24.01	2.50
93J851785	5.6	5.4	1.4	3	700	179.5	0.10	0.60	0.1	0.23	9	12.4	44.4	25	30.17	2.60
93J851786	7.2	7.6	1.6	2	680	188.7	0.10	0.58	0.2	0.29	10	13.3	38.9	26	34.49	2.70
93J851787	12.0	10.6	4.0	2	700	168.7	0.10	0.61	0.1	0.25	10	13.0	37.4	32	39.99	3.10
93J851788	4.8	4.9	0.8	2	780	191.3	0.11	0.43	0.2	0.46	16	19.8	66.6	23	28.99	2.60
93J851789	14.4	12.8	0.9	3	680	185.8	0.07	0.81	0.1	0.27	8	11.4	35.9	21	22.22	2.90
93J851790	12.8	11.3	0.6	2	820	280.2	0.05	0.62	0.1	0.21	7	10.1	31.5	14	16.36	2.30
93J851791	5.2	5.3	0.8	1	640	86.8	0.07	0.44	0.1	0.10	5	9.0	35.7	13	15.27	2.20
93J851793	4.0	3.2	0.8	2	860	172.2	0.07	0.51	0.1	0.25	10	11.5	44.4	21	21.26	2.00
93J851794	5.2	4.6	0.7	2	760	134.9	0.06	0.50	0.1	0.22	10	10.9	35.4	19	21.16	2.10
93J851795	4.0	3.8	0.5	2	700	217.2	0.14	0.82	0.6	0.71	10	11.7	29.4	24	25.12	2.40
93J851796	3.2	2.9	0.5	1	660	132.2	0.13	0.46	0.1	0.18	9	9.0	22.8	18	17.96	2.10
93J851797	1.6	1.4	0.2	2	800	131.4	0.06	0.36	0.1	0.10	8	7.4	32.7	13	14.17	1.40
93J851798	4.0	4.2	1.6	1	740	242.3	0.12	0.54	0.1	0.32	10	11.5	46.5	24	28.09	2.40
93J851799	2.0	2.3	2.9	1	240	70.4	0.04	0.82	0.8	0.68	6	5.9	29.7	49	48.09	1.00
93J851800	1.6	2.0	2.3	2	260	70.5	0.04	0.81	0.8	0.62	6	6.3	29.6	47	47.37	1.00
93J851802	3.2	2.6	0.5	2	640	309.7	0.07	0.51	0.4	0.36	6	5.9	21.0	10	9.82	1.50
93J851803	3.2	2.8	1.5	3	400	389.8	0.03	3.15	0.8	0.69	3	3.2	68.7	17	16.61	1.10
93J851804	1.6	1.5	0.2	2	580	188.7	0.08	0.56	0.1	0.18	6	7.9	30.1	10	10.91	1.40
93J851805	1.6	1.3	0.5	1	580	158.3	0.05	0.55	0.2	0.14	6	6.8	24.7	9	9.02	1.30
93J851806	3.2	3.0	0.3	2	740	255.5	0.07	0.75	0.1	0.21	11	12.7	53.6	17	17.99	2.20
93J851807	5.6	4.8	0.3	1	380	89.3	0.08	1.78	0.1	0.10	4	6.1	17.5	11	9.97	1.20
93J851808	2.8	2.2	0.2	1	420	102.5	0.06	2.32	0.1	0.11	6	6.4	22.9	11	10.91	1.20
93J851809	2.8	2.5	0.8	1	560	116.4	0.05	0.77	0.1	0.24	6	7.3	61.7	10	10.56	1.40

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851810	2.4	2.6	1.3	5	1140	195.5	0.04	0.64	0.1	0.15	6	9.5	36.2	18	19.58	1.40
93J851811	5.6	5.6	1.5	2	1000	160.5	0.05	0.67	0.1	0.23	12	14.5	46.0	19	20.39	2.20
93J851813	32.8	-1	-1	-1	-1	-1	-1	-1	0.8	-1	80	-1	-1	28	-1	7.50
93J851814	10.4	10.3	1.5	1	800	187.2	0.14	0.59	0.1	0.51	18	22.1	52.3	19	20.33	3.20
93J851815	6.4	6.8	0.8	1	780	150.5	0.07	0.55	0.6	0.43	12	14.0	54.9	30	32.19	2.20
93J851816	5.6	6.1	2.8	2	740	161.3	0.09	0.58	0.2	0.42	16	17.7	52.7	34	37.08	2.80
93J851817	5.2	4.7	2.3	1	700	196.0	0.08	0.56	0.2	0.31	9	12.3	51.3	29	29.74	2.40
93J851818	5.2	5.0	1.6	3	900	186.5	0.08	0.83	0.2	0.44	14	14.8	82.8	38	41.40	2.40
93J851819	3.2	3.4	0.4	1	840	82.9	0.04	0.41	0.2	0.28	8	9.4	66.2	19	19.32	1.80
93J851820	3.6	3.4	3.1	1	800	74.3	0.04	0.41	0.4	0.25	9	9.5	65.2	18	16.65	1.80
93J851823	2.4	3.2	1.6	1	920	264.3	0.08	0.61	0.1	0.20	9	11.5	96.6	47	52.60	1.90
93J851824	4.4	4.4	0.7	4	540	156.5	0.02	1.07	0.1	0.21	4	5.0	20.8	12	11.09	1.80
93J851825	0.8	1.3	0.3	2	940	153.6	0.02	0.61	0.1	0.21	7	8.6	58.2	9	9.75	1.30
93J851826	2.0	3.1	1.7	3	820	271.2	0.07	0.71	0.6	0.59	9	10.2	68.4	26	28.13	2.10
93J851827	1.6	3.3	1.6	3	680	202.5	0.06	0.90	0.6	0.72	6	6.9	43.9	34	36.43	1.70
93J851828	2.0	3.7	2.6	2	600	289.9	0.21	1.05	0.4	0.47	10	12.9	82.2	45	52.24	2.10
93J851829	1.6	3.5	1.7	1	440	171.0	0.05	1.13	0.1	0.40	4	5.1	26.0	25	27.87	1.00
93J851830	1.2	2.2	1.8	2	700	132.4	0.05	0.84	0.1	0.30	8	8.2	45.1	23	24.18	1.50
93J851831	1.6	2.1	1.5	6	380	231.0	0.04	2.05	0.4	0.56	6	6.2	33.0	22	22.40	1.10
93J851832	5.6	5.9	2.5	2	900	146.3	0.11	0.47	0.4	0.48	15	18.0	70.5	48	53.41	3.60
93J851833	2.0	3.3	0.7	2	660	133.5	0.13	0.46	0.2	0.34	3	4.6	19.8	14	14.82	1.40
93J851834	1.2	2.7	1.2	1	1100	442.0	0.32	0.64	0.4	0.58	5	7.0	36.5	19	21.33	1.80
93J851835	1.2	2.6	2.5	3	540	385.3	0.10	2.29	1.4	1.65	6	6.6	37.5	62	72.15	1.00
93J851836	2.4	3.5	2.0	1	840	168.4	0.06	0.58	0.1	0.22	8	10.1	51.9	18	20.05	1.80
93J851837	10.4	10.2	0.8	2	580	127.6	0.02	0.53	0.1	0.15	5	5.7	31.3	6	6.27	1.50
93J851838	8.0	9.1	0.4	2	780	142.6	0.02	0.70	0.1	0.22	5	6.4	35.0	7	7.45	1.40
93J851839	0.8	1.9	0.6	1	760	47.1	0.05	0.23	0.1	0.07	3	4.1	19.9	7	7.11	1.30
93J851840	3.2	4.3	1.1	1	800	80.8	0.39	0.19	0.1	0.21	11	12.6	34.3	16	17.48	2.20
93J851842	1.2	2.5	1.1	1	800	38.8	0.20	0.27	0.1	0.08	5	5.2	15.3	7	6.23	0.95
93J851843	2.8	3.8	1.0	2	820	89.0	0.28	0.36	0.1	0.30	12	14.2	33.3	13	14.06	1.90
93J851844	2.0	3.3	1.7	2	1080	95.0	0.11	0.42	0.1	0.10	8	8.2	27.6	11	11.73	1.50
93J851845	2.0	3.3	1.3	1	780	66.5	0.30	0.31	0.1	0.07	9	11.8	36.5	13	13.93	2.00
93J851846	3.2	4.4	1.3	1	820	137.9	0.37	0.47	0.4	0.36	12	13.8	32.7	15	16.41	1.90
93J851847	2.4	4.0	1.9	1	1340	335.1	0.52	0.39	0.4	0.26	13	15.3	36.4	17	18.60	2.40
93J851848	4.8	6.0	14.4	1	940	126.1	0.13	0.47	0.6	0.47	7	8.6	37.1	24	25.67	1.80
93J851850	12.8	11.6	3.0	3	920	285.0	0.11	0.83	0.8	0.87	15	18.6	75.4	61	68.81	3.80
93J851851	1.6	3.1	3.6	2	820	166.0	0.08	1.30	1.0	0.90	6	7.4	76.1	88	93.52	1.30
93J851852	11.2	11.2	3.4	1	760	143.4	0.22	0.48	0.6	0.87	11	14.3	41.9	34	40.01	2.70
93J851853	11.2	10.7	3.5	1	700	132.0	0.20	0.47	0.8	0.80	10	13.6	40.1	34	37.93	2.60
93J851854	1.6	3.0	4.1	3	1060	310.3	0.22	1.92	3.0	3.56	12	14.7	139.3	56	65.15	1.40
93J851855	25.6	23.0	6.1	1	1020	101.7	0.17	0.74	2.2	2.34	9	9.9	22.2	33	36.50	2.20
93J851856	22.4	19.3	17.3	1	960	106.5	0.17	0.61	1.0	1.05	11	12.4	45.7	45	48.87	2.50
93J851857	2.4	4.0	2.9	1	820	220.5	0.19	0.95	1.6	1.64	10	11.7	50.7	44	46.62	2.00
93J851858	2.8	4.5	1.2	1	1100	159.6	0.19	0.56	0.2	0.32	8	8.8	34.3	17	18.62	1.70
93J851859	0.5	0.7	0.3	3	400	307.3	0.06	2.06	0.4	0.47	4	4.3	6.0	9	8.25	1.00
93J851860	1.6	1.0	0.6	1	3440	392.1	0.20	0.22	0.1	0.11	4	4.7	20.1	14	12.25	1.30
93J851862	0.5	1.3	0.4	1	2320	372.1	0.60	0.21	0.1	0.12	6	4.8	26.9	14	14.92	1.30
93J851863	1.2	2.5	0.6	1	600	135.0	0.38	0.43	0.6	0.59	18	16.8	48.7	22	22.21	2.80
93J851864	0.5	2.0	0.5	3	220	156.5	0.06	0.17	0.2	0.29	3	1.9	6.7	9	9.01	0.25
93J851865	0.8	2.2	0.6	1	660	108.5	0.41	0.22	0.1	0.08	12	12.9	40.6	11	11.33	2.20
93J851866	3.7	4.9	0.4	2	1940	402.5	0.59	0.37	0.2	0.37	20	21.5	38.3	19	21.45	2.90
93J851867	2.5	3.3	0.7	1	1660	269.2	0.24	0.40	0.1	0.21	11	10.2	28.5	15	15.78	1.60

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851868	1.7	2.5	0.4	1	840	70.0	0.23	0.39	0.1	0.12	5	6.2	23.6	10	9.21	1.40
93J851869	0.8	2.0	0.6	1	1060	132.2	0.25	0.42	0.4	0.47	7	7.0	32.2	31	32.67	1.40
93J851870	2.5	3.7	0.8	1	2400	437.4	0.36	0.40	0.2	0.27	13	13.7	30.2	21	21.63	1.90
93J851871	10.0	10.7	2.5	2	1020	247.5	0.10	0.80	0.6	0.72	15	15.6	67.5	57	58.05	3.70
93J851872	1.7	4.2	2.1	1	1040	141.6	0.07	0.54	0.1	0.15	9	8.8	39.7	36	38.16	1.90
93J851873	2.5	3.9	2.2	2	1020	124.6	0.07	0.49	0.1	0.11	8	8.2	36.8	32	33.37	1.90
93J851874	0.5	0.9	0.2	11	180	28.7	0.02	2.37	0.1	0.14	1	0.5	3.1	5	4.55	1.80
93J851876	2.5	4.2	35.3	2	880	108.5	0.05	0.74	0.1	0.27	6	7.6	35.4	27	29.56	2.00
93J851877	7.5	7.3	1.4	4	320	185.8	0.05	2.00	1.5	1.73	3	9.6	14.5	41	44.70	1.50
93J851878	0.8	1.2	0.9	10	360	134.2	0.02	2.90	0.8	0.89	9	10.6	7.9	29	31.58	0.34
93J851879	3.3	3.8	2.5	4	860	252.5	0.08	1.11	1.2	1.42	6	9.0	58.7	45	53.30	1.90
93J851880	0.8	1.7	1.6	1	980	315.0	0.10	1.10	0.6	0.82	7	8.8	45.6	24	28.72	1.20
93J851882	1.7	2.9	0.8	2	400	133.5	0.03	2.05	1.2	1.15	2	3.1	10.6	18	18.80	0.90
93J851883	5.8	5.0	0.9	1	1040	268.5	0.07	0.71	0.4	0.48	8	8.1	48.4	18	25.30	1.70
93J851884	2.5	2.8	0.8	5	240	110.9	0.05	1.45	0.9	0.95	2	2.8	29.8	39	41.75	0.70
93J851885	2.5	3.0	0.2	4	680	355.5	0.04	2.61	0.1	0.21	3	5.3	4.6	6	5.91	1.20
93J851886	2.5	2.1	0.5	2	460	199.6	0.05	1.66	0.4	0.60	3	3.9	28.9	14	14.36	0.80
93J851887	0.5	0.7	0.6	5	640	216.4	0.04	2.85	1.2	1.20	1	1.3	4.1	23	22.50	0.48
93J851888	4.1	5.0	0.4	2	540	112.3	0.25	0.28	0.1	0.14	12	15.0	24.7	22	24.72	3.00
93J851890	4.1	4.6	0.5	1	620	252.5	0.14	0.36	0.1	0.13	9	11.3	27.3	12	12.93	2.40
93J851891	0.5	0.8	1.5	5	660	271.8	0.02	2.16	0.2	0.26	1	1.7	23.0	9	7.68	0.48
93J851892	2.5	2.6	0.6	4	980	506.2	0.08	1.38	2.0	2.15	4	6.5	22.6	16	15.76	1.90
93J851893	0.5	0.7	0.2	10	520	288.0	0.04	2.31	5.0	5.05	5	5.8	12.4	16	17.20	0.38
93J851894	0.5	0.7	0.2	4	480	158.9	0.07	1.27	0.4	0.46	4	4.7	16.3	13	12.64	1.00
93J851895	0.5	0.5	0.4	4	580	267.7	0.09	0.93	0.6	0.67	4	5.3	20.9	13	14.06	1.10
93J851896	0.8	0.8	0.5	4	460	159.8	0.07	1.37	0.4	0.48	4	4.8	15.0	12	12.73	0.90
93J851897	0.5	0.7	0.3	21	620	311.0	0.02	3.77	0.4	0.41	2	1.6	5.7	9	9.18	0.25
93J851898	5.0	3.6	0.7	2	940	543.6	0.14	0.59	1.4	1.41	6	6.2	21.6	14	13.91	1.80
93J851899	5.8	5.2	0.6	3	740	373.3	0.12	0.74	0.6	0.67	10	10.7	32.4	19	19.84	2.60
93J851900	3.3	3.9	0.2	2	580	203.2	0.11	0.50	0.2	0.33	12	13.7	45.6	16	17.26	2.80
93J851902	0.8	1.0	0.4	2	740	404.1	0.09	1.03	0.8	0.95	5	6.1	39.3	18	20.16	1.30
93J851903	0.8	4.4	0.8	2	920	549.8	0.15	0.54	3.6	4.08	10	10.8	36.1	20	22.26	2.80
93J851904	5.0	0.3	0.2	3	380	74.9	0.04	1.61	0.2	0.19	2	3.3	30.8	9	9.26	0.75
93J851906	11.6	2.9	0.4	3	520	137.6	0.11	0.89	0.1	0.21	5	7.1	18.7	13	13.98	1.90
93J851907	7.5	3.5	0.7	2	800	162.2	0.08	0.70	0.1	0.23	5	5.9	15.5	10	9.68	1.60
93J851908	3.3	2.6	0.4	7	600	196.7	0.04	3.25	0.4	0.52	2	2.4	7.7	14	14.96	1.20
93J851909	1.2	2.1	0.3	1	460	101.2	0.10	2.32	0.1	0.13	8	7.6	16.3	11	9.72	1.80
93J851910	2.1	2.0	0.3	1	480	99.8	0.09	2.54	0.1	0.13	7	7.2	15.2	10	9.13	1.70
93J851911	2.9	7.0	0.9	4	720	268.0	0.14	1.35	0.8	0.89	8	9.1	27.4	17	20.66	2.00
93J851912	2.9	3.1	0.5	2	480	105.9	0.11	1.83	0.4	0.37	8	9.9	23.8	14	13.68	2.00
93J851913	2.5	2.8	0.9	3	600	220.8	0.08	3.93	0.2	0.23	5	5.9	18.2	10	10.62	1.20
93J851914	25.7	31.1	0.3	1	620	72.2	0.27	6.80	0.6	0.93	9	21.3	28.2	41	46.65	3.80
93J851915	2.5	2.7	0.8	6	640	223.9	0.37	3.21	0.1	0.19	3	5.2	21.8	24	16.61	1.20
93J851916	1.7	1.5	0.8	1	600	116.6	0.14	1.36	0.1	0.13	9	11.2	24.9	14	14.98	2.80
93J851917	4.1	3.9	0.5	3	580	40.5	0.12	1.09	0.1	0.07	9	12.0	21.2	12	14.23	2.50
93J851918	7.5	9.4	0.5	1	620	127.9	0.26	2.73	0.1	0.13	9	12.4	20.8	13	22.18	2.20
93J851919	3.3	3.1	0.5	1	560	44.1	0.12	2.47	0.1	0.10	9	10.7	22.0	16	15.80	2.30
93J851920	0.8	0.9	0.5	1	480	146.6	0.07	0.42	0.1	0.13	5	6.0	19.8	8	7.88	1.40
93J851922	0.8	0.9	1.0	1	460	106.1	0.06	0.42	0.1	0.11	6	5.9	18.1	7	7.13	1.40
93J851923	0.8	0.8	0.2	1	380	77.1	0.04	0.27	0.1	0.06	5	5.1	16.0	5	4.60	1.30
93J851925	2.9	2.6	0.6	2	340	53.6	0.09	0.60	0.1	0.21	6	7.7	16.5	10	9.93	1.80
93J851926	2.5	2.9	0.8	2	440	34.4	0.14	0.41	0.1	0.09	9	11.4	22.6	15	14.00	2.50

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851927	1.2	2.8	1.0	2	460	145.4	0.08	0.46	0.7	0.83	6	7.4	28.2	20	21.01	1.20
93J851928	2.1	3.2	1.0	3	540	185.3	0.10	0.70	0.2	0.36	6	8.1	25.4	18	17.80	1.90
93J851929	3.3	2.6	0.2	6	660	260.1	0.08	0.98	0.4	0.39	6	5.6	16.9	10	8.71	1.40
93J851930	4.1	3.3	1.1	3	760	139.1	0.16	2.74	0.1	0.18	12	13.1	27.3	22	20.74	2.80
93J851931	1.7	1.3	0.8	2	400	94.2	0.07	0.58	0.4	0.59	4	4.9	15.2	9	8.54	1.00
93J851932	2.5	1.7	0.4	2	700	214.5	0.06	0.95	0.4	0.40	4	4.4	13.2	10	10.20	1.00
93J851933	2.9	2.8	0.3	3	620	229.4	0.08	0.37	0.2	0.34	6	7.0	18.1	12	12.00	1.40
93J851934	3.7	4.7	1.4	7	1340	721.5	0.11	0.53	3.0	3.18	7	8.6	23.9	17	17.77	1.40
93J851935	0.8	1.6	1.7	2	680	368.2	0.07	1.92	2.2	2.22	2	2.6	20.7	29	29.77	0.52
93J851936	4.1	3.7	1.4	4	2020	947.4	0.12	0.40	4.8	4.41	5	5.7	19.7	27	26.34	1.20
93J851937	2.5	4.2	1.0	3	980	451.2	0.08	0.63	2.7	2.56	7	7.4	24.6	18	18.02	1.00
93J851938	0.5	1.0	0.2	8	520	358.2	0.03	3.77	2.6	2.73	1	1.4	3.1	12	12.30	0.11
93J851939	30.7	30.7	1.4	5	1300	945.5	0.09	0.77	9.4	8.97	29	32.1	23.0	21	22.22	4.00
93J851940	2.1	3.0	1.1	3	740	416.7	0.08	0.29	1.6	1.63	8	9.8	19.6	13	13.37	0.90
93J851942	3.3	3.9	1.4	3	820	495.4	0.08	0.31	1.6	1.59	10	10.5	19.9	14	13.95	1.50
93J851943	3.3	3.9	0.7	4	840	512.5	0.08	0.29	1.5	1.38	10	10.6	20.5	14	13.99	1.60
93J851944	2.1	2.6	0.5	8	560	365.0	0.03	2.43	0.6	0.57	2	3.2	24.9	12	11.53	0.90
93J851945	0.8	0.5	0.3	6	640	281.6	0.05	1.25	0.6	0.58	4	5.0	22.3	11	10.85	1.00
93J851947	0.5	1.4	0.2	2	460	220.1	0.05	0.38	0.1	0.10	6	7.1	26.1	6	5.65	1.80
93J851948	1.2	2.3	0.3	1	440	155.0	0.07	0.41	0.4	0.34	7	6.9	23.6	9	8.09	1.50
93J851949	1.7	2.9	0.2	2	460	230.1	0.08	0.44	0.6	0.48	7	7.3	25.8	11	10.48	1.50
93J851950	0.8	2.4	0.4	5	1360	383.1	0.04	0.41	0.7	0.57	3	2.9	13.7	7	6.83	0.54
93J851951	2.1	3.7	0.2	2	320	119.8	0.04	0.47	0.2	0.23	5	4.6	14.8	6	5.27	1.00
93J851952	1.2	3.2	1.2	2	980	462.1	0.08	0.58	2.0	2.10	4	5.9	26.2	16	16.17	0.80
93J851953	1.7	3.5	0.2	2	780	353.5	0.06	0.25	0.6	0.64	5	4.6	15.2	9	8.63	0.90
93J851954	5.0	6.1	1.1	5	640	251.7	0.07	1.32	0.8	0.89	5	6.1	52.4	26	26.66	1.00
93J851955	3.7	5.4	1.5	3	700	338.2	0.11	1.15	1.0	1.23	12	15.8	95.5	42	42.51	2.80
93J851956	3.3	4.9	45.5	2	940	146.6	0.08	0.59	0.3	0.36	13	12.2	60.8	26	25.03	2.00
93J851957	3.3	5.5	0.7	1	900	154.0	0.09	0.62	0.2	0.41	12	12.5	59.6	25	27.19	2.00
93J851958	4.6	5.0	1.7	2	500	211.4	0.09	1.07	1.4	1.64	9	11.7	49.6	38	38.89	2.30
93J851959	2.1	2.7	1.6	2	300	119.6	0.06	0.79	0.7	0.71	4	4.3	27.2	32	28.93	0.90
93J851960	4.1	4.7	5.0	2	780	222.2	0.09	0.87	0.5	0.85	7	9.4	67.8	39	41.27	2.00
93J851962	5.8	6.6	2.1	1	880	193.3	0.10	0.67	0.2	0.54	11	13.8	71.6	30	34.69	2.60
93J851963	9.1	9.9	1.2	3	940	228.0	0.08	0.67	0.2	0.44	12	14.4	61.1	21	23.56	2.70
93J851964	1.7	2.6	0.8	7	160	121.4	0.03	1.17	0.6	0.62	2	2.2	12.5	18	18.10	0.38
93J851965	1.7	2.2	1.4	2	880	276.1	0.07	0.63	0.2	0.34	9	9.2	58.7	19	20.01	1.40
93J851966	1.7	1.9	1.2	2	900	290.3	0.05	0.76	0.6	0.66	7	8.9	64.1	24	23.81	1.90
93J851967	5.8	6.3	1.8	2	960	415.8	0.07	0.69	0.8	0.93	12	14.9	74.2	27	27.62	2.50
93J851968	4.1	4.4	3.3	2	1040	266.8	0.04	0.49	0.2	0.29	9	9.5	50.9	14	14.44	2.00
93J851969	3.7	5.0	1.2	4	480	200.7	0.06	1.33	0.5	0.67	5	5.5	39.4	21	21.57	1.30
93J851971	0.5	0.9	1.0	4	180	153.8	0.02	1.17	0.3	0.34	1	0.6	6.6	17	18.44	0.19
93J851972	1.2	1.7	0.8	1	900	147.3	0.05	0.59	0.4	0.50	6	7.0	49.1	18	19.09	1.30
93J851973	2.5	2.8	0.7	2	740	250.0	0.05	0.90	0.6	0.77	5	5.6	54.0	20	20.78	1.60
93J851974	0.5	1.0	1.4	1	520	157.3	0.06	0.81	0.4	0.42	3	3.5	31.2	20	19.09	1.00
93J851975	10.8	10.1	0.9	4	400	181.3	0.06	1.39	1.0	1.05	4	10.0	64.6	29	27.72	2.50
93J851976	0.5	1.0	1.0	3	460	88.5	0.17	0.30	0.4	0.53	7	7.6	24.5	14	14.22	1.10
93J851977	3.3	3.8	2.3	3	1020	152.2	0.07	0.59	0.2	0.30	15	16.1	61.0	45	47.90	2.50
93J851978	5.0	5.6	2.0	2	900	92.3	0.05	0.83	0.1	0.23	10	11.8	54.4	33	37.65	2.30
93J851979	5.0	6.1	4.4	7	840	97.2	0.05	0.88	0.1	0.22	10	11.8	56.3	37	39.74	2.30
93J851980	1.7	1.4	4.6	2	380	81.1	0.04	0.64	0.1	0.15	4	4.3	53.6	58	58.70	0.80
93J851982	0.8	0.1	1.2	1	140	27.9	0.02	0.29	1.0	0.23	3	0.9	9.3	71	18.99	0.47
93J851983	2.5	3.0	2.6	2	980	82.5	0.05	0.62	0.1	0.20	14	14.4	103.6	52	54.83	2.30

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J851984	2.1	2.6	2.0	3	960	75.0	0.05	0.66	0.1	0.19	14	15.0	101.8	42	52.06	2.10
93J851985	5.4	6.8	1.8	3	960	66.4	0.06	0.61	0.1	0.19	13	14.7	102.7	55	64.98	2.00
93J851986	5.0	6.3	1.3	2	920	101.8	0.07	0.53	0.1	0.30	11	13.5	46.5	22	28.56	2.40
93J851987	3.3	3.3	2.1	1	500	183.2	0.10	0.74	0.3	0.50	8	10.7	61.6	35	41.04	1.90
93J851988	4.6	4.9	2.8	2	1120	128.1	0.08	0.75	0.1	0.31	15	17.9	70.6	42	56.02	2.50
93J851989	5.4	5.9	2.7	3	920	163.4	0.10	0.84	0.2	0.41	12	14.0	67.7	46	58.00	2.40
93J851990	3.7	3.7	1.3	3	1020	103.6	0.09	0.69	0.1	0.23	13	14.5	55.6	37	45.62	2.20
93J851991	9.1	9.2	4.4	1	880	124.7	0.08	0.81	0.4	0.47	16	18.0	76.1	100	106.00	3.20
93J851992	6.6	6.6	2.3	2	800	105.0	0.05	0.82	0.4	0.56	13	13.9	88.0	76	79.82	2.70
93J851993	1.7	1.5	2.0	4	320	64.1	0.03	1.82	1.0	0.93	2	2.6	23.3	100	107.00	0.41
93J851994	8.3	8.2	3.7	1	860	144.4	0.16	0.80	0.4	0.48	19	20.3	69.7	73	77.37	3.50
93J851996	7.1	7.4	7.8	1	940	155.7	0.15	0.67	0.4	0.47	19	20.5	70.7	61	64.61	3.40
93J851997	4.6	4.7	0.8	1	980	150.1	0.19	0.53	0.4	0.46	11	12.9	43.8	24	27.89	2.40
93J851998	3.3	3.5	4.9	3	720	88.8	0.30	0.24	0.1	0.19	12	13.1	30.2	15	15.70	2.80
93J851999	0.5	0.7	2.6	3	220	77.5	0.09	0.33	0.8	0.78	4	5.0	17.2	24	25.48	0.51
93J853000	-1.0	-1	-1	-1	-1	-1	-1	-1	-1.0	-1	-1	-1	-1	-1	-1	-1.00
93J853002	2.5	3.1	0.9	1	860	104.1	0.23	0.28	0.1	0.12	14	15.9	37.5	17	19.22	2.40
93J853003	5.0	5.7	1.5	2	840	256.6	0.18	0.54	0.2	0.55	12	14.3	71.4	36	43.86	3.20
93J853004	5.0	5.3	1.7	3	860	155.4	0.07	0.70	0.2	0.31	10	10.8	51.6	21	24.32	2.40
93J853005	4.6	5.1	1.8	2	820	175.2	0.05	0.82	0.6	0.72	9	8.9	46.5	23	25.43	2.10
93J853006	9.1	9.6	1.2	2	840	169.4	0.04	0.85	0.3	0.43	6	7.7	52.8	19	21.42	2.00
93J853007	3.3	3.6	1.7	2	780	231.2	0.05	0.81	0.6	0.82	7	8.8	48.9	25	27.20	1.70
93J853008	5.0	5.3	1.1	4	1000	162.4	0.06	0.66	0.2	0.33	11	12.5	44.3	20	22.89	3.00
93J853009	2.1	2.5	1.8	2	720	193.1	0.12	0.50	0.2	0.36	6	7.5	47.9	29	34.24	2.10
93J853010	1.7	1.8	1.6	2	280	130.9	0.03	0.65	1.0	0.85	8	7.0	12.1	25	22.26	0.90
93J853011	2.5	2.5	1.4	4	840	125.8	0.20	0.40	0.3	0.38	8	9.1	36.2	25	26.02	1.90
93J853012	0.8	1.0	2.3	1	340	179.2	0.07	1.15	0.5	0.57	2	3.7	29.0	25	25.97	1.00
93J853013	2.5	2.4	16.2	3	680	174.5	0.10	0.72	0.8	0.91	5	6.9	36.4	72	81.14	1.20
93J853014	3.3	3.8	19.1	2	800	126.6	0.08	0.54	0.2	0.28	9	10.8	50.2	36	40.51	2.00
93J853016	4.1	4.5	1.9	3	900	132.3	0.06	0.62	0.1	0.26	11	11.0	46.4	29	32.55	2.20
93J853017	4.1	4.8	4.2	2	900	124.7	0.06	0.60	0.1	0.28	9	12.0	47.9	32	35.04	2.30
93J853018	4.1	3.7	3.1	5	920	128.1	0.07	0.87	0.2	0.36	9	11.1	55.0	43	45.62	2.10
93J853019	3.7	4.3	2.3	2	980	163.7	0.05	0.71	0.6	0.73	15	17.1	38.2	22	23.62	2.20
93J853020	0.8	0.9	10.8	3	100	73.7	0.02	0.85	0.6	0.48	2	2.5	10.9	16	16.15	0.36
93J853022	10.0	10.0	2.5	4	300	417.2	0.05	1.60	0.8	0.69	6	8.4	41.0	26	27.91	1.70
93J853024	8.3	8.9	3.7	2	1040	193.7	0.08	0.59	0.4	0.58	10	12.5	42.8	36	38.77	2.50
93J853025	1.7	2.0	2.4	2	680	185.6	0.06	0.90	0.4	0.58	7	8.4	52.7	32	37.13	1.20
93J853026	2.1	2.4	0.9	1	360	192.3	0.08	0.84	0.4	0.50	11	14.2	53.3	23	26.14	2.30
93J853027	0.8	1.0	1.6	1	900	203.0	0.04	1.64	0.9	0.85	1	2.3	27.3	36	39.86	0.42
93J853028	0.5	0.4	2.4	1	260	167.4	0.02	0.60	1.6	1.57	1	1.4	18.6	24	24.74	0.30
93J853029	19.1	17.2	3.7	1	600	416.7	0.08	1.51	1.2	1.29	3	3.9	52.2	97	101.53	1.30
93J853030	3.3	2.8	1.5	1	860	196.9	0.09	0.63	0.5	0.68	11	13.1	53.3	26	29.94	2.20
93J853031	1.7	1.8	0.3	1	880	100.9	0.03	0.43	0.1	0.13	6	7.5	35.1	10	10.69	1.40
93J853032	2.5	3.4	1.0	1	720	130.0	0.07	0.37	0.3	0.41	8	8.5	34.5	13	14.17	1.70
93J853033	4.6	5.1	0.8	1	980	426.7	0.08	1.10	0.6	0.75	9	12.1	60.1	27	31.06	2.40
93J853034	2.1	2.4	0.2	1	760	109.2	0.03	0.43	0.1	0.16	5	8.0	43.5	7	8.89	1.30
93J853035	1.7	2.6	0.5	1	760	113.7	0.03	0.42	0.1	0.16	6	8.1	44.7	7	8.51	1.40
93J853036	10.8	13.2	1.7	4	900	795.0	0.04	2.87	1.4	1.82	6	16.5	20.5	27	31.24	3.40
93J853037	2.5	2.8	0.6	9	500	455.1	0.02	3.61	0.2	0.36	2	3.7	9.7	13	14.94	1.20
93J853038	2.1	2.6	1.5	2	500	224.7	0.07	1.40	0.6	0.67	5	6.0	43.1	33	35.45	1.50
93J853039	2.1	2.7	1.7	2	280	181.3	0.04	2.45	0.2	0.21	2	2.6	20.7	29	28.20	0.57
93J853040	2.5	2.9	1.9	3	520	375.1	0.04	2.03	1.6	1.69	2	6.4	31.8	43	43.22	1.40

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93J853042	3.3	3.6	0.9	1	820	186.2	0.03	0.40	0.1	0.24	5	6.5	34.6	10	11.00	1.70
93J853043	1.7	2.3	1.1	1	760	198.1	0.03	0.77	0.4	0.61	7	8.7	35.6	13	14.02	1.50
93J853044	10.8	10.7	1.4	2	580	193.0	0.04	1.17	0.8	0.93	5	5.9	98.6	24	24.86	1.20
93J853046	16.6	85.5	1.4	5	1000	689.0	0.05	1.18	0.4	0.61	4	4.8	49.0	19	19.91	3.00
93J853047	2.1	2.3	2.7	1	1020	596.6	0.15	0.70	1.0	1.08	9	10.5	110.1	81	83.22	2.50
93J853048	2.5	3.0	0.4	8	800	722.2	0.02	2.59	0.2	0.12	2	5.6	3.9	8	7.51	2.00
93J853049	14.1	16.5	0.8	13	360	309.8	0.02	2.07	0.4	0.55	3	3.1	9.1	9	9.16	1.00
93J853050	2.1	2.1	3.8	1	600	404.5	0.10	1.66	1.8	1.95	4	5.5	73.2	72	70.01	1.20
93J853051	2.5	3.1	5.3	10	160	107.0	0.03	1.14	0.4	0.36	2	1.8	11.9	20	22.61	0.32
93J853052	0.5	0.4	0.5	10	340	206.5	0.02	3.48	0.2	0.25	2	1.4	3.0	9	8.71	0.90
93J853053	0.5	0.2	0.6	4	160	130.6	0.02	1.99	0.2	0.13	1	0.5	2.5	5	4.36	0.27
93J853054	4.1	3.7	0.6	1	260	32.5	0.12	0.27	0.1	0.06	9	8.6	13.3	10	11.12	1.90
93J853055	4.1	3.9	0.6	1	260	31.5	0.12	0.27	0.1	0.04	9	8.2	12.3	10	10.26	1.90
93J853056	2.9	2.5	0.5	1	340	55.6	0.10	0.22	0.1	0.11	8	7.7	11.6	7	6.65	1.60
93J853057	4.1	3.0	0.5	1	240	27.5	0.12	0.29	0.1	0.04	10	8.6	12.9	12	11.35	1.90
93J853058	5.0	3.8	1.0	1	340	39.2	0.20	0.23	0.1	0.06	12	11.8	13.9	17	17.84	2.20
93J853059	4.1	3.7	0.9	1	320	33.6	0.22	0.20	0.1	0.04	12	12.4	15.0	19	19.65	2.20
93J853060	5.8	5.6	0.9	1	460	34.9	0.17	0.26	0.1	0.05	14	14.0	13.7	19	19.28	2.60
93J853062	5.8	5.8	0.5	1	360	72.9	0.23	0.20	0.1	0.12	16	15.6	20.3	18	17.08	2.90
93J853063	4.6	4.2	0.4	1	340	31.7	0.16	0.22	0.1	0.04	10	10.6	10.3	15	15.04	1.90
93J853064	4.6	3.9	0.4	1	320	29.1	0.16	0.20	0.1	0.04	10	9.7	9.4	16	17.05	1.80
93J853065	3.3	3.3	0.6	1	340	42.4	0.18	0.19	0.1	0.06	10	11.5	11.3	14	14.75	1.80
93J853066	3.3	2.9	0.7	1	240	24.4	0.18	0.14	0.1	0.05	8	10.0	10.8	15	13.52	1.60
93J853067	4.1	3.1	0.4	1	320	25.9	0.11	0.17	0.1	0.03	7	7.6	7.4	11	9.96	1.40
93J853068	3.7	3.3	0.5	1	320	33.3	0.12	0.17	0.1	0.04	8	8.5	8.3	10	10.79	1.40
93J853069	11.6	13.4	1.9	1	340	46.1	0.28	0.18	0.1	0.08	13	14.6	14.0	17	19.34	2.90
93J853070	12.4	12.9	1.1	1	340	30.8	0.34	0.13	0.1	0.06	12	13.3	16.1	20	21.07	4.00
93J853071	14.1	16.4	1.2	1	340	32.2	0.36	0.12	0.1	0.07	14	16.6	15.5	21	24.15	4.20
93J853072	8.3	8.9	0.9	1	280	28.2	0.21	0.14	0.1	0.06	11	12.1	11.3	17	20.90	3.10
93J853073	15.8	19.6	0.9	1	280	20.6	0.39	0.19	0.1	0.04	17	18.2	18.3	34	32.27	4.50
93J853074	14.1	14.6	0.8	1	300	39.9	0.23	0.14	0.1	0.06	13	14.6	12.5	20	21.85	2.30
93J853075	13.3	15.1	0.9	1	340	45.1	0.39	0.12	0.1	0.06	14	16.3	19.1	26	28.70	4.40
93J853076	5.0	5.9	0.4	1	340	85.0	0.15	0.22	0.1	0.11	9	11.5	19.2	13	14.04	2.20
93J853078	5.0	6.5	0.2	1	360	49.3	0.18	0.23	0.1	0.08	12	13.8	13.1	12	12.81	2.40
93J853079	5.0	5.9	0.3	1	340	34.5	0.24	0.26	0.1	0.05	12	14.2	16.9	19	19.93	2.70
93J853080	12.4	13.1	0.6	1	500	49.4	0.17	0.32	0.1	0.09	13	13.8	10.5	13	13.16	2.60
93J853083	4.7	3.9	0.5	1	220	21.9	0.12	0.17	0.1	0.04	9	10.0	11.2	27	15.82	2.10
93J853084	12.7	12.3	1.9	1	280	44.0	0.20	0.17	0.1	0.06	12	13.1	16.0	21	18.84	2.90
93J853085	12.7	11.8	1.4	1	300	43.8	0.20	0.18	0.1	0.08	14	14.4	16.1	20	22.01	3.00
93J853086	3.8	3.4	0.2	1	200	20.6	0.10	3.14	0.1	0.04	5	6.2	6.4	10	11.13	1.60
93J853087	3.4	3.1	0.2	1	180	28.9	0.09	2.52	0.1	0.04	5	5.3	8.0	11	9.97	1.50
93J853088	5.1	4.4	0.5	1	300	69.1	0.20	0.71	0.1	0.11	12	13.0	19.7	20	18.07	3.10
93J853089	5.9	5.0	0.4	1	300	50.8	0.19	0.81	0.1	0.10	9	11.3	18.4	18	18.47	2.80
93J853090	3.4	3.1	0.2	3	280	39.6	0.13	2.66	0.1	0.07	7	7.8	13.6	12	10.44	2.00
93J853091	3.4	2.9	0.2	2	260	25.7	0.08	5.29	0.1	0.07	5	5.1	9.2	10	7.72	1.50
93J853092	4.2	3.1	0.3	2	340	41.7	0.15	0.96	0.1	0.11	5	7.7	11.2	14	12.94	2.10
93J853093	5.1	4.9	0.3	1	240	47.2	0.20	0.10	0.1	0.06	9	14.6	20.8	17	16.70	3.50
93J853094	3.4	2.8	0.2	4	320	35.7	0.13	0.44	0.2	0.05	6	10.5	15.1	11	11.58	2.20
93J853095	6.8	5.8	0.6	1	240	74.5	0.31	0.24	0.1	0.10	10	14.9	20.7	23	24.45	2.90
93J853096	5.1	4.6	0.4	1	320	141.1	0.24	0.17	0.1	0.15	10	15.6	24.8	13	13.31	2.90
93J853097	5.1	5.2	0.6	1	160	37.3	0.36	0.12	0.1	0.08	15	22.3	18.8	29	30.82	2.40
93J853098	5.1	3.4	0.4	1	200	50.1	0.23	0.13	0.1	0.12	29	30.7	21.9	22	21.04	2.50

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J853099	5.9	6.1	1.5	2	680	535.0	0.14	1.26	2.7	3.05	18	17.4	116.9	70	75.88	4.10
93J853100	5.1	4.1	0.2	1	280	20.4	0.13	2.81	0.1	0.06	7	7.6	10.5	18	18.91	1.90
93J853102	7.7	7.8	0.3	1	300	77.2	0.21	0.33	0.1	0.12	15	16.4	19.3	19	22.35	2.80
93J853103	16.1	15.5	0.9	1	280	36.0	0.38	0.14	0.1	0.09	17	17.5	13.8	27	27.25	4.00
93J853104	14.4	13.7	1.1	1	200	23.5	0.44	0.13	0.1	0.06	17	18.1	18.3	34	30.52	4.20
93J853105	10.2	9.4	0.3	1	200	24.2	0.35	0.08	0.1	0.03	15	17.2	23.7	31	30.93	4.10
93J853106	12.7	13.4	0.6	2	240	22.2	0.40	0.39	0.1	0.06	14	18.6	19.5	36	32.29	4.00
93J853107	10.2	9.0	0.5	4	240	21.6	0.32	0.12	0.1	0.04	14	15.2	20.7	30	25.76	4.00
93J853108	6.8	5.6	0.8	3	260	32.9	0.34	0.14	0.1	0.07	17	16.1	22.1	28	25.54	4.10
93J853109	8.5	8.1	0.4	3	280	41.6	0.37	0.19	0.1	0.08	21	22.5	22.6	34	34.60	3.30
93J853110	8.5	7.4	0.5	3	300	44.5	0.35	0.23	0.1	0.12	22	22.7	21.8	37	34.20	3.50
93J853111	11.1	9.3	0.7	1	400	31.6	0.28	0.16	0.1	0.04	20	21.4	23.8	29	27.77	4.10
93J853112	7.7	6.7	0.4	1	280	47.6	0.22	0.16	0.1	0.04	13	13.2	19.6	20	19.97	3.10
93J853113	5.1	4.6	0.4	2	240	46.9	0.10	0.28	0.1	0.09	7	7.2	11.7	11	11.27	1.80
93J853114	6.4	5.6	0.7	1	240	52.9	0.29	0.20	0.1	0.09	18	19.5	20.2	28	27.50	2.80
93J853115	4.2	3.8	0.7	3	400	81.9	0.12	2.95	0.1	0.19	10	9.1	24.8	19	16.91	1.90
93J853116	5.1	4.4	0.5	1	300	85.4	0.14	0.39	0.1	0.12	13	13.3	19.4	19	18.36	2.30
93J853117	6.8	6.7	1.6	1	220	43.2	0.29	0.15	0.1	0.09	16	16.6	24.6	25	26.05	3.10
93J853118	5.5	4.7	0.5	1	220	31.2	0.15	0.21	0.1	0.05	10	10.7	13.7	18	16.81	2.20
93J853119	6.8	6.5	0.4	1	280	40.9	0.22	0.23	0.1	0.06	14	15.8	16.5	27	24.23	2.60
93J853122	4.2	4.0	0.3	1	260	47.3	0.16	0.18	0.1	0.06	13	14.8	15.8	19	18.81	2.00
93J853123	5.1	5.0	0.3	1	200	35.2	0.25	0.15	0.1	0.08	13	14.9	17.3	22	22.53	2.10
93J853124	5.1	3.9	0.7	2	200	41.7	0.22	0.13	0.1	0.07	14	14.1	15.0	20	17.72	2.00
93J853125	11.1	9.6	1.2	1	280	46.5	0.34	0.15	0.1	0.10	19	18.8	18.0	27	26.37	3.30
93J853126	8.1	8.4	1.2	1	240	44.0	0.31	0.24	0.1	0.08	17	16.8	19.9	22	21.00	3.20
93J853127	7.7	5.9	0.7	1	240	44.6	0.24	0.20	0.1	0.08	17	13.8	15.5	23	18.00	2.60
93J853128	6.8	8.1	1.1	1	200	35.1	0.22	0.20	0.1	0.06	15	16.0	13.3	21	16.11	2.50
93J853129	4.7	3.7	0.3	1	260	39.2	0.18	0.17	0.1	0.05	11	13.2	15.8	17	15.98	2.10
93J853130	5.1	3.9	0.2	1	200	33.6	0.16	0.65	0.1	0.05	10	11.3	14.1	18	16.63	2.00
93J853131	3.8	4.3	0.6	1	200	29.0	0.20	0.15	0.1	0.05	10	14.1	13.1	19	19.42	1.90
93J853132	5.1	4.1	0.3	1	200	31.2	0.21	0.34	0.1	0.05	11	13.0	16.3	19	23.36	2.20
93J853133	0.5	1.4	2.0	3	180	124.3	0.03	0.91	0.4	0.41	2	2.1	20.7	21	20.69	0.52
93J853134	5.9	5.8	0.9	3	740	179.1	0.05	0.47	0.3	0.44	12	13.9	82.6	19	22.31	2.20
93J853136	3.4	3.8	1.1	1	800	204.6	0.05	0.53	0.2	0.33	11	10.4	54.5	23	21.66	2.50
93J853137	6.8	7.0	2.0	2	720	349.3	0.13	0.55	0.6	0.78	19	20.0	175.3	68	70.87	3.80
93J853138	3.4	2.9	1.3	4	720	322.4	0.06	0.69	0.6	0.72	11	11.3	78.4	28	28.31	1.90
93J853139	5.9	6.2	1.3	3	800	368.8	0.07	0.65	0.5	0.63	13	14.2	101.4	27	27.53	2.30
93J853140	3.0	3.2	1.5	4	740	349.0	0.07	0.73	0.6	0.78	10	11.9	84.4	28	30.08	1.90
93J853142	0.5	0.8	0.2	1	600	252.8	0.06	0.36	0.7	0.86	3	4.4	45.3	10	10.20	0.92
93J853143	0.5	1.2	0.8	1	140	117.4	0.03	0.61	0.2	0.29	2	1.8	17.1	14	16.14	0.45
93J853144	1.3	1.6	1.3	1	400	212.3	0.04	0.70	0.4	0.50	4	4.8	40.1	22	22.37	1.00
93J853145	1.3	1.2	1.2	1	700	307.9	0.06	0.52	0.6	0.72	6	7.7	56.8	23	22.46	1.30
93J853146	7.7	6.9	1.4	1	560	426.9	0.16	0.40	0.4	0.62	20	21.2	105.9	48	47.79	4.30
93J853147	1.3	1.6	2.7	1	340	239.0	0.06	0.78	0.6	0.76	3	3.4	44.1	49	48.21	0.95
93J853149	4.7	4.6	1.4	4	800	362.7	0.08	0.62	0.8	0.75	14	17.6	87.3	22	23.92	2.80
93J853150	3.0	2.5	1.4	1	500	175.2	0.07	0.74	0.4	0.45	6	5.9	45.0	35	33.67	1.50
93J853151	2.1	1.6	1.8	1	700	345.3	0.06	0.75	0.3	0.41	9	9.3	82.8	28	26.73	1.90
93J853152	3.8	3.2	2.2	2	700	447.3	0.09	0.68	0.9	1.03	14	13.7	124.3	47	46.16	3.00
93J853153	3.0	2.2	2.1	3	700	459.3	0.08	0.78	0.8	0.89	9	8.7	99.4	34	33.64	1.90
93J853154	2.1	0.9	1.5	4	600	306.7	0.05	1.47	0.6	0.60	4	4.5	66.5	29	29.27	0.69
93J853155	3.0	2.2	2.7	3	460	307.0	0.07	1.10	2.0	1.92	7	6.3	85.3	57	55.65	1.30
93J853156	3.0	2.5	15.4	2	660	234.5	0.08	0.54	0.6	0.77	10	9.2	58.4	29	28.92	2.10

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MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J853157	4.2	4.1	1.2	1	800	168.5	0.06	0.63	0.1	0.33	10	10.7	58.8	19	20.71	11.90
93J853158	3.4	3.4	2.2	1	640	401.0	0.11	0.71	0.8	0.93	13	13.0	89.3	43	46.29	2.80
93J853159	3.4	3.3	2.4	1	660	410.0	0.11	0.64	0.6	0.97	13	12.9	88.3	46	46.13	3.00
93J853160	1.7	1.7	0.9	1	620	186.8	0.04	0.68	0.2	0.53	6	6.7	43.4	22	21.21	1.50
93J853162	44.6	46.0	2.1	1	600	527.2	0.08	1.27	0.6	0.78	5	4.5	69.6	42	43.24	5.40
93J853163	0.9	1.5	1.7	1	200	165.3	0.03	1.76	0.2	0.46	2	3.0	34.1	29	28.85	0.71
93J853164	7.7	7.5	1.1	1	740	194.2	0.09	1.28	0.1	0.46	13	14.3	71.9	35	36.79	2.50
93J853165	8.5	7.4	1.1	1	760	186.4	0.09	1.25	0.1	0.44	13	14.3	69.9	34	37.51	2.50
93J853166	1.7	1.8	5.1	4	660	249.8	0.07	0.85	0.6	0.84	12	13.7	82.1	22	22.29	2.40
93J853167	5.1	5.2	0.8	2	740	246.9	0.07	0.67	0.1	0.53	13	15.4	75.6	24	27.24	2.70
93J853168	0.9	1.5	0.8	5	280	168.7	0.03	2.14	0.4	0.72	4	4.1	27.5	25	26.45	1.10
93J853169	0.9	1.1	0.9	1	300	131.6	0.05	1.31	0.6	0.88	10	10.1	46.2	25	27.89	1.30
93J853170	1.3	1.6	1.0	10	240	174.5	0.03	1.99	0.8	0.80	3	3.2	12.9	23	21.45	0.53
93J853171	9.4	9.2	2.4	1	740	269.0	0.17	0.98	0.1	0.47	23	27.3	123.6	55	60.41	3.70
93J853172	3.0	2.8	0.2	3	660	109.4	0.02	0.52	0.1	0.11	6	6.3	35.9	11	10.30	1.60
93J853173	1.7	1.3	2.1	1	540	247.3	0.04	1.12	1.0	1.08	4	5.0	29.2	29	28.42	1.10
93J853174	1.7	1.6	1.6	1	660	272.7	0.06	0.84	0.4	0.73	8	8.5	50.7	27	28.41	1.60
93J853175	0.9	1.6	1.5	1	360	258.7	0.03	1.07	0.1	0.42	3	3.0	28.6	29	29.88	0.60
93J853176	6.8	7.3	2.0	5	740	520.2	0.08	0.80	0.6	0.83	14	13.2	69.3	29	29.09	3.00
93J853177	2.6	2.5	1.6	1	820	461.4	0.09	0.62	0.2	0.52	10	10.5	91.2	32	33.16	1.90
93J853178	2.6	2.8	3.2	1	540	424.8	0.08	1.20	1.0	1.11	8	7.6	46.6	46	47.35	1.20
93J853179	2.1	1.1	2.9	1	820	667.3	0.08	1.77	1.4	1.58	7	6.7	48.9	42	39.90	1.70
93J853182	5.9	5.6	1.8	1	740	356.7	0.12	0.58	0.6	0.78	11	10.0	82.2	32	30.16	2.60
93J853183	2.6	2.4	2.0	1	900	473.2	0.09	0.63	0.2	0.53	10	10.6	64.0	26	25.13	2.00
93J853184	4.2	4.0	1.4	1	880	423.2	0.09	0.71	0.2	0.51	12	11.8	64.6	34	32.10	2.40
93J853186	3.8	4.2	2.4	1	1260	844.8	0.17	1.13	1.0	1.47	17	16.2	72.0	43	43.69	3.40
93J853187	3.8	4.4	2.5	1	1020	546.3	0.09	0.90	0.1	0.34	16	16.1	71.3	31	29.13	3.20
93J853188	3.0	3.7	1.4	1	1020	485.1	0.08	0.82	0.1	0.28	17	16.1	69.0	27	24.24	2.90
93J853189	10.2	10.3	1.5	1	580	270.3	0.15	0.60	0.2	0.46	25	23.6	46.3	44	43.42	3.90
93J853190	6.8	6.6	0.9	3	740	285.6	0.11	0.67	0.1	0.26	13	16.1	51.4	26	27.80	2.80
93J853191	5.1	6.0	0.6	1	460	361.9	0.15	0.51	0.3	0.54	15	14.1	49.7	35	36.01	3.30
93J853192	4.2	4.6	0.7	3	720	232.8	0.06	0.50	0.1	0.20	12	11.2	58.2	17	18.65	2.00
93J853193	0.9	1.5	0.5	2	460	411.3	0.05	1.52	0.4	0.64	9	6.8	31.7	21	21.36	1.40
93J853194	3.4	4.0	1.5	1	500	441.0	0.19	0.41	0.5	0.83	22	23.9	105.4	44	47.42	3.70
93J853195	0.9	1.4	0.7	1	620	290.0	0.08	0.29	0.2	0.31	7	7.3	52.1	26	26.56	1.10
93J853196	1.3	1.6	1.2	1	560	290.9	0.12	0.36	0.3	0.47	10	9.2	68.2	27	27.40	1.80
93J853197	3.8	4.3	0.5	1	620	295.8	0.09	0.48	0.6	0.73	16	16.5	53.9	23	22.06	3.00
93J853198	1.3	2.1	1.9	2	340	289.4	0.05	0.95	0.7	0.89	7	6.2	35.7	35	37.78	0.78
93J853199	1.7	2.1	0.9	1	580	369.2	0.12	0.38	0.3	0.59	17	18.0	97.7	34	34.04	2.60
93J853200	9.4	9.9	1.9	4	940	724.4	0.11	2.15	1.7	2.28	14	14.6	99.2	70	71.97	3.80
93J853202	5.9	6.1	2.0	2	760	266.8	0.08	0.63	0.8	1.14	16	15.2	89.1	29	29.88	2.70
93J853203	4.2	4.2	1.2	2	820	344.1	0.08	0.55	0.7	0.97	13	12.6	91.4	29	27.56	3.10
93J853204	1.7	2.0	1.4	2	720	409.6	0.09	1.09	0.7	1.00	10	9.5	85.1	34	37.74	1.80
93J853205	7.7	8.0	1.2	2	860	270.5	0.08	0.64	0.3	0.51	16	16.4	95.0	27	27.80	3.90
93J853206	4.2	4.6	0.8	3	760	191.5	0.07	0.62	0.3	0.47	15	17.0	84.2	24	24.41	2.50
93J853207	1.7	2.6	2.1	2	480	303.8	0.06	1.04	1.4	1.73	7	7.6	63.4	44	45.23	1.40
93J853208	11.1	11.4	1.5	3	940	375.5	0.08	0.69	0.6	0.81	16	15.3	80.4	32	31.56	4.00
93J853209	12.7	13.2	1.4	2	800	371.7	0.08	0.67	0.4	0.66	15	15.4	81.3	32	31.95	4.40
93J853210	3.4	4.0	1.1	4	700	359.6	0.08	0.86	0.6	0.93	10	10.4	74.2	34	35.89	1.90
93J853211	1.7	1.9	0.6	3	780	217.8	0.05	0.52	0.4	0.48	11	10.2	68.6	19	18.84	1.60
93J853212	3.4	4.0	0.6	3	760	188.0	0.06	0.56	0.4	0.60	12	14.4	93.8	18	19.16	2.20
93J853213	4.2	4.2	0.8	2	860	276.0	0.06	0.61	0.4	0.60	13	12.1	70.8	28	25.99	1.80

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J853215	1.7	2.1	2.2	2	320	208.2	0.06	0.84	1.3	1.44	5	4.5	49.4	39	38.12	0.90
93J853216	3.4	3.5	0.8	2	740	188.3	0.07	0.57	0.2	0.37	12	12.4	66.8	23	24.36	2.20
93J853217	0.9	1.8	1.2	4	200	153.5	0.04	1.24	0.4	0.51	4	3.1	28.1	26	22.76	0.80
93J853218	2.6	3.1	0.2	1	440	187.5	0.12	0.32	0.1	0.18	9	8.9	24.1	13	11.78	2.00
93J853219	1.3	1.5	0.2	2	520	212.4	0.05	0.28	0.2	0.25	6	5.4	15.9	8	7.58	1.30
93J853220	1.7	1.5	0.2	2	360	112.7	0.06	0.22	0.1	0.13	6	5.6	14.9	6	5.37	1.10
93J853223	3.4	3.6	0.3	1	320	105.9	0.08	0.15	0.2	0.40	26	28.1	17.9	7	6.72	2.40
93J853224	0.5	0.5	1.2	3	560	405.5	0.04	0.31	0.2	0.39	1	2.4	8.8	9	9.00	0.49
93J853225	5.1	6.1	0.5	1	320	108.8	0.07	0.40	0.1	0.29	6	7.9	16.6	10	10.83	3.50
93J853226	5.9	6.1	0.9	3	640	179.7	0.12	0.57	0.2	0.43	15	18.7	48.1	29	33.28	2.50
93J853227	8.5	9.8	1.1	3	620	182.9	0.10	0.46	0.1	0.34	15	17.4	41.7	22	25.09	2.60
93J853228	5.5	6.6	1.1	2	580	163.6	0.10	0.42	0.1	0.30	12	14.6	39.1	19	21.56	2.20
93J853229	3.8	4.5	0.6	1	500	68.6	0.17	2.09	0.1	0.16	11	12.3	26.5	21	22.58	2.30
93J853230	10.2	10.9	0.8	2	460	167.0	0.15	0.46	0.1	0.38	21	24.0	38.9	27	29.04	3.40
93J853231	2.6	3.7	0.9	2	460	108.1	0.07	0.35	0.2	0.30	12	13.5	32.5	13	14.04	1.60
93J853232	2.6	2.8	0.5	2	580	101.8	0.05	0.43	0.1	0.16	8	9.2	52.2	12	14.29	1.50
93J853233	3.4	3.5	1.3	2	620	186.8	0.09	0.43	0.4	0.52	12	14.3	56.4	25	26.78	2.70
93J853234	0.9	1.9	1.5	4	160	110.4	0.04	1.07	0.7	0.92	3	2.1	13.1	23	26.22	0.32
93J853235	1.3	2.1	0.8	1	560	177.7	0.10	0.44	0.2	0.37	12	13.0	48.8	21	22.97	2.10
93J853236	0.9	1.4	0.5	1	560	169.8	0.06	0.39	0.4	0.41	5	5.7	27.8	12	12.47	1.10
93J853237	0.5	1.1	1.4	1	240	156.7	0.05	0.42	0.4	0.37	3	2.8	20.0	31	30.78	0.59
93J853238	1.7	2.0	1.0	2	720	254.8	0.05	0.73	0.4	0.43	8	7.9	36.4	19	20.54	1.60
93J853239	1.7	1.8	1.3	3	360	216.0	0.05	1.84	1.8	2.00	7	5.7	16.4	43	41.24	1.20
93J853240	3.8	3.1	2.4	1	600	423.9	0.12	0.79	0.6	0.73	10	11.6	55.0	52	57.00	2.60
93J853242	6.4	6.1	1.7	2	680	293.6	0.14	0.66	0.2	0.32	13	14.1	81.5	36	41.28	3.00
93J853243	4.2	4.5	1.2	3	760	155.4	0.07	0.46	0.1	0.19	10	11.2	53.7	16	17.21	1.90
93J853244	2.1	2.7	0.8	2	760	198.4	0.06	0.37	0.1	0.14	10	12.2	50.0	15	14.72	1.60
93J853245	0.9	1.3	0.4	1	660	133.7	0.03	0.26	0.1	0.10	5	6.0	31.9	8	8.40	1.00
93J853246	1.7	2.3	2.0	1	400	187.4	0.05	0.66	0.7	0.80	4	4.0	28.4	32	32.78	0.75
93J853247	3.0	3.3	0.7	1	760	195.6	0.04	0.31	0.1	0.16	7	8.0	48.5	12	10.79	1.70
93J853248	1.7	2.3	1.3	1	600	248.1	0.08	0.51	0.4	0.61	7	6.9	46.6	18	19.06	1.40
93J853249	1.7	2.3	1.2	1	560	249.6	0.08	0.51	0.4	0.61	7	6.8	44.6	18	19.11	1.40
93J853250	1.7	2.2	1.3	1	560	263.9	0.09	0.37	0.3	0.49	10	12.9	52.1	32	35.05	1.60
93J853251	3.8	4.0	0.7	1	680	129.5	0.07	0.31	0.1	0.18	10	10.9	59.6	18	19.76	1.90
93J853252	1.7	1.3	1.1	1	560	236.1	0.06	0.88	0.4	0.57	5	6.7	30.2	21	21.65	1.40
93J853253	3.0	3.0	0.5	2	740	99.2	0.05	0.34	0.1	0.13	7	8.4	42.9	14	14.78	1.60
93J853254	2.6	2.5	0.7	2	720	120.0	0.06	0.48	0.1	0.20	9	9.3	39.7	17	16.90	1.80
93J853255	3.4	2.7	0.2	2	740	109.2	0.07	0.37	0.1	0.16	9	10.2	36.6	14	14.29	1.90
93J853256	4.2	4.2	0.9	3	780	135.6	0.08	0.36	0.1	0.18	10	11.2	36.2	17	18.29	1.80
93J853257	4.2	4.4	0.5	2	700	154.1	0.11	0.43	0.1	0.19	15	16.2	35.0	21	22.83	2.60
93J853258	2.6	2.9	0.8	3	620	219.5	0.10	0.74	0.1	0.30	7	8.5	38.2	27	27.72	2.30
93J853260	4.2	4.8	0.2	4	620	130.5	0.06	0.43	0.1	0.19	10	9.5	34.3	18	18.31	2.20
93J853262	5.9	5.2	0.4	2	740	176.1	0.11	0.51	0.1	0.26	13	13.1	43.4	24	23.10	2.70
93J853263	4.2	4.2	0.2	3	660	134.5	0.08	0.44	0.1	0.17	10	11.3	51.5	14	16.12	2.10
93J853264	3.0	3.4	1.1	3	720	144.9	0.07	0.44	0.1	0.21	9	10.7	41.3	15	15.74	1.90
93J853265	1.7	2.4	0.3	3	600	76.3	0.05	0.73	0.1	0.13	7	7.2	54.4	7	7.99	1.40
93J853266	1.7	2.0	3.0	3	440	236.1	0.15	0.52	0.2	0.48	9	8.6	32.3	42	42.02	1.90
93J853267	0.5	1.0	0.2	1	740	98.3	0.04	0.39	0.1	0.25	6	5.2	24.4	27	25.82	0.73
93J853269	1.7	1.8	0.2	1	620	113.7	0.06	0.22	0.1	0.05	6	6.2	27.2	10	10.19	1.50
93J853270	1.7	1.9	0.7	3	480	229.2	0.08	0.51	0.1	0.43	6	6.9	34.7	24	23.50	1.70
93J853271	3.0	3.3	0.2	2	680	186.8	0.08	0.36	0.1	0.23	11	10.7	37.6	22	20.98	2.40
93J853272	1.3	2.4	0.6	3	280	227.9	0.06	0.78	1.0	1.10	8	7.3	21.2	26	24.67	1.30

Appendix A - Sample Information and Analytical Data

MASTER_ID	As_ppm_AA	As_ppm_MS	Au_ppb_MS	B_ppm_MS	Ba_ppm_AA	Ba_ppm_MS	Bi_ppm_MS	Ca_%_MS	Cd_ppm_AA	Cd_ppm_MS	Co_ppm_AA	Co_ppm_MS	Cr_ppm_MS	Cu_ppm_AA	Cu_ppm_MS	Fe_%_AA
93J853273	0.9	1.9	0.3	1	360	239.4	0.06	0.57	0.4	0.60	6	4.8	33.4	25	25.02	0.90
93J853274	1.3	1.7	0.9	2	460	262.4	0.07	0.66	0.6	0.71	9	7.7	45.1	28	26.59	1.50
93J853275	1.7	2.2	4.5	1	420	268.1	0.08	0.72	0.6	0.86	6	6.3	44.1	34	32.34	1.30
93J853276	0.9	1.3	1.0	1	260	208.1	0.05	0.58	0.1	0.32	2	2.3	24.1	31	29.76	0.64
93J853277	0.9	1.1	0.5	3	520	196.7	0.05	0.47	0.2	0.49	5	5.1	35.7	15	15.33	0.95
93J853278	1.7	1.6	14.8	1	540	242.4	0.06	0.40	0.4	0.55	9	9.0	44.1	22	20.73	1.40
93J853279	1.3	2.0	1.0	1	220	181.8	0.05	0.37	0.6	0.62	5	4.6	26.6	26	26.58	0.66
93J853280	6.8	5.6	0.8	1	580	135.1	0.09	0.39	0.1	0.39	10	10.5	61.2	19	21.32	1.90

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851002	2.50	3.7	48	51	0.07	20.6	9.6	0.39	630	638	1	0.48	0.005	21	22.8	0.069	10
93J851003	1.88	2.4	43	49	0.04	18.8	6.4	0.29	950	1086	2	0.37	0.004	14	15.7	0.065	4
93J851004	0.59	0.6	233	282	0.02	4.6	84.0	0.22	265	257	2	0.76	0.007	7	7.4	0.142	3
93J851005	1.93	2.5	43	44	0.04	16.3	4.8	0.33	795	898	2	0.29	0.005	16	19.4	0.072	4
93J851006	1.99	2.6	48	46	0.03	13.6	6.2	0.34	570	604	1	0.29	0.004	17	19.4	0.072	4
93J851007	2.35	2.9	24	29	0.09	31.3	5.0	0.36	475	435	2	0.20	0.006	21	22.1	0.083	8
93J851008	0.13	0.4	285	317	0.04	0.6	84.2	0.20	695	729	4	1.98	0.009	5	4.4	0.165	1
93J851009	0.44	1.7	285	334	0.02	4.8	63.8	0.23	165	167	2	0.83	0.007	19	19.6	0.094	1
93J851010	4.32	0.2	167	189	0.04	0.6	85.8	0.15	395	403	2	2.64	0.011	2	2.8	0.211	1
93J851011	1.19	1.4	24	21	0.03	13.1	2.8	0.27	540	544	1	0.24	0.003	12	13.7	0.040	4
93J851012	2.72	3.8	57	69	0.09	21.1	10.4	0.44	1090	1247	2	0.47	0.007	25	26.9	0.074	11
93J851013	1.53	2.1	38	38	0.06	14.0	5.4	0.96	435	409	1	0.25	0.005	14	15.6	0.056	6
93J851014	1.37	2.7	105	115	0.05	13.3	20.6	0.38	115	122	1	0.21	0.005	15	18.2	0.085	7
93J851016	1.59	1.9	86	92	0.04	7.7	14.2	0.38	1550	1560	1	0.63	0.004	14	15.3	0.079	3
93J851017	2.94	3.7	95	112	0.11	19.7	17.4	0.57	1300	1469	2	1.44	0.005	31	37.0	0.135	9
93J851018	1.91	2.9	86	90	0.05	13.0	6.2	0.40	620	628	2	0.46	0.008	29	30.6	0.067	4
93J851019	2.19	3.8	90	110	0.06	11.3	5.8	0.73	555	606	2	0.72	0.011	56	60.9	0.066	2
93J851020	2.97	5.4	206	129	0.08	15.6	11.6	0.59	1250	1406	4	1.34	0.011	54	64.5	0.091	6
93J851022	1.75	2.2	133	217	0.05	11.6	59.4	0.33	385	410	2	0.96	0.011	24	29.0	0.151	4
93J851023	3.16	4.4	143	135	0.08	13.4	11.2	0.63	565	600	2	0.69	0.013	53	59.2	0.101	5
93J851024	2.01	4.4	190	168	0.05	12.1	7.0	0.62	7050	656	2	0.49	0.013	53	53.0	0.058	2
93J851025	2.91	6.5	171	197	0.13	15.0	17.2	0.75	840	962	2	0.61	0.019	37	45.0	0.090	6
93J851026	2.45	4.7	114	120	0.08	12.9	4.6	0.64	495	560	2	0.63	0.015	42	52.7	0.073	3
93J851027	2.96	3.7	86	94	0.05	8.9	10.2	0.50	1030	1237	2	1.28	0.010	34	43.6	0.076	3
93J851028	3.74	7.1	124	136	0.16	15.1	9.6	0.99	920	1104	2	0.70	0.023	44	51.1	0.091	7
93J851029	4.30	8.5	190	180	0.13	26.5	24.8	1.03	975	1098	2	1.04	0.012	97	120.3	0.085	4
93J851030	3.32	6.2	95	96	0.11	13.4	7.2	0.84	480	526	2	0.78	0.016	40	48.4	0.077	5
93J851031	4.25	8.7	86	83	0.22	13.6	11.2	1.02	740	841	2	0.79	0.020	36	42.5	0.060	12
93J851032	2.65	5.7	162	138	0.15	29.3	25.0	0.50	540	540	2	0.79	0.009	55	60.9	0.085	8
93J851033	2.62	5.8	105	113	0.17	18.8	16.6	0.63	525	616	4	0.74	0.020	36	42.3	0.077	6
93J851034	3.19	5.2	114	120	0.15	12.7	6.0	0.75	1650	1715	4	0.86	0.036	63	72.7	0.071	9
93J851035	2.56	5.1	124	104	0.07	13.6	12.2	0.59	695	758	1	0.46	0.016	30	34.7	0.096	5
93J851036	2.32	5.1	124	101	0.08	12.9	11.6	0.58	525	535	1	0.41	0.016	29	33.9	0.089	6
93J851037	2.73	3.6	86	72	0.05	12.0	3.4	0.47	1020	1141	1	1.08	0.019	38	43.1	0.091	4
93J851038	6.31	3.2	114	96	0.04	8.5	16.6	0.29	1000	1094	1	1.08	0.010	22	26.4	0.147	1
93J851039	2.05	3.9	57	51	0.05	9.3	5.0	0.53	925	1008	1	0.67	0.009	39	44.3	0.060	3
93J851043	2.60	2.4	409	340	0.05	6.4	67.0	0.71	3500	3540	2	1.62	0.010	75	109.2	0.189	2
93J851044	2.28	3.3	41	47	0.05	8.0	1.8	0.62	480	540	1	0.76	0.010	45	54.7	0.068	2
93J851045	3.05	4.8	41	182	0.1	12.1	4.2	1.42	640	715	2	0.89	0.020	130	145.1	0.074	4
93J851046	2.68	4.6	108	111	0.06	10.2	7.6	0.75	810	1019	2	0.70	0.010	93	115.4	0.067	2
93J851047	2.76	3.9	252	211	0.11	8.7	44.2	0.83	3750	3831	2	1.84	0.010	98	124.3	0.089	3
93J851048	2.80	4.4	171	169	0.1	10.3	3.8	0.84	530	605	2	0.74	0.034	75	85.5	0.076	3
93J851049	4.07	4.9	144	152	0.08	13.0	27.8	0.56	1300	1433	2	1.22	0.012	62	77.0	0.146	3
93J851050	4.19	7.1	162	180	0.09	25.0	19.4	0.74	1950	2139	4	1.48	0.013	99	131.3	0.127	3
93J851051	4.29	6.3	153	171	0.09	20.5	23.0	0.72	1900	1881	2	1.41	0.013	92	115.0	0.135	3
93J851052	1.51	2.5	207	208	0.07	6.0	50.2	0.78	225	241	2	1.25	0.015	50	60.9	0.115	4
93J851053	3.78	5.3	108	132	0.11	12.1	5.6	1.14	1350	1521	2	1.54	0.021	110	125.1	0.075	4
93J851054	4.46	8.2	126	155	0.18	18.2	9.2	0.97	955	1150	2	0.92	0.033	39	47.8	0.099	11
93J851055	2.28	3.7	63	70	0.08	13.5	5.6	0.53	675	778	2	0.71	0.023	29	29.9	0.081	5
93J851056	2.51	3.8	54	55	0.05	11.7	3.4	0.47	410	517	2	0.88	0.020	22	25.7	0.081	3
93J851057	3.06	4.1	63	166	0.06	12.9	4.0	0.51	400	474	2	0.88	0.021	23	28.5	0.093	4
93J851058	2.82	6.1	45	79	0.11	10.7	13.4	0.61	870	1024	4	0.89	0.014	26	29.5	0.103	6

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851059	2.63	4.3	99	109	0.05	10.9	11.6	0.51	935	1021	2	1.63	0.008	36	40.2	0.086	4
93J851060	2.90	5.9	117	120	0.11	17.2	12.4	0.94	530	585	2	0.94	0.023	74	81.5	0.099	10
93J851062	1.93	2.9	45	46	0.05	10.9	5.8	0.50	685	787	2	0.63	0.010	40	44.4	0.063	3
93J851063	2.46	3.0	72	62	0.04	7.2	4.2	0.52	1950	2430	2	0.52	0.010	33	37.2	0.078	1
93J851064	2.80	4.0	167	160	0.07	10.2	4.2	0.72	595	714	2	0.72	0.017	68	72.0	0.078	3
93J851065	3.00	5.6	180	193	0.08	22.5	18.6	0.64	1300	1521	2	1.17	0.012	50	55.7	0.111	4
93J851066	3.64	3.1	162	171	0.05	6.9	27.0	0.54	845	947	2	1.18	0.012	41	46.5	0.107	1
93J851067	3.83	6.5	261	286	0.11	25.6	36.4	0.87	1060	1152	2	1.30	0.013	90	106.1	0.105	4
93J851068	3.39	2.8	99	115	0.05	7.5	10.6	1.09	605	667	2	1.05	0.012	92	103.1	0.091	9
93J851069	3.59	5.1	63	90	0.09	19.6	8.4	0.67	1060	1242	4	1.34	0.021	34	38.7	0.114	8
93J851070	5.10	7.6	72	114	0.17	21.4	12.6	1.02	3450	3558	6	4.13	0.028	63	69.2	0.104	18
93J851071	4.34	7.6	54	70	0.11	14.8	8.4	0.80	880	1111	2	1.90	0.018	31	38.3	0.083	10
93J851073	2.88	5.3	99	117	0.11	19.3	21.0	0.66	1010	1063	2	1.43	0.022	33	36.4	0.108	7
93J851074	2.35	3.8	36	50	0.07	12.1	8.6	0.49	595	595	2	0.51	0.017	27	32.3	0.067	3
93J851075	2.24	2.8	27	45	0.05	24.5	4.2	0.41	505	591	2	0.61	0.016	22	25.4	0.075	4
93J851076	3.51	4.5	207	258	0.12	18.4	46.8	0.58	2200	2215	2	2.70	0.018	31	39.3	0.289	14
93J851077	3.11	4.4	54	78	0.1	17.2	6.6	0.65	990	1184	2	1.18	0.033	39	45.8	0.094	6
93J851078	2.16	2.5	27	48	0.07	13.3	3.6	0.55	420	449	2	0.70	0.012	25	28.2	0.069	7
93J851079	2.19	2.6	45	55	0.08	13.8	3.6	0.60	455	494	2	0.81	0.013	28	29.7	0.067	6
93J851080	2.33	3.0	41	53	0.05	11.9	4.4	0.47	445	497	2	0.62	0.014	26	29.6	0.072	3
93J851082	4.88	8.6	70	125	0.17	16.8	18.0	0.82	570	630	4	0.98	0.015	40	48.3	0.106	20
93J851083	1.86	3.5	84	136	0.07	14.2	39.2	0.52	710	752	4	2.97	0.021	30	36.9	0.081	3
93J851084	2.28	3.2	35	51	0.05	12.7	3.8	0.46	505	519	2	0.57	0.018	29	33.2	0.080	4
93J851085	2.15	2.9	35	37	0.05	11.6	3.4	0.45	465	555	2	0.55	0.015	27	29.5	0.067	3
93J851086	2.78	3.7	60	171	0.07	12.5	40.8	0.42	490	505	2	0.95	0.012	24	31.4	0.129	5
93J851087	1.74	2.4	35	38	0.05	12.3	7.2	0.54	445	469	2	0.47	0.003	17	17.6	0.068	5
93J851088	2.34	3.4	35	37	0.07	11.4	6.0	0.88	890	1002	4	0.68	0.005	22	23.4	0.070	10
93J851089	4.33	3.7	49	60	0.08	17.4	10.8	0.69	1090	1217	4	0.99	0.005	22	26.6	0.093	8
93J851090	1.85	2.7	91	105	0.09	14.9	16.6	0.41	550	539	2	0.88	0.005	21	22.4	0.126	9
93J851091	0.96	2.2	154	171	0.08	11.2	24.8	0.35	65	67	2	1.15	0.005	25	25.5	0.104	8
93J851092	1.49	2.1	161	203	0.06	11.3	37.2	0.34	655	694	1	0.55	0.005	17	20.5	0.105	4
93J851093	3.03	5.2	140	177	0.16	18.2	25.4	0.73	435	427	2	1.15	0.011	58	65.4	0.117	11
93J851095	5.38	9.3	154	173	0.16	26.5	23.8	0.61	1700	1717	4	1.31	0.010	53	64.2	0.129	11
93J851096	2.20	2.9	39	53	0.06	20.1	7.8	0.36	470	500	2	0.37	0.007	20	24.1	0.065	7
93J851097	1.47	1.6	35	39	0.03	13.3	9.4	0.26	310	288	2	0.22	0.004	13	12.7	0.072	6
93J851098	1.81	2.1	25	26	0.03	17.0	3.8	0.28	335	336	1	0.25	0.003	16	16.3	0.065	5
93J851099	1.12	2.1	49	42	0.04	20.5	3.2	0.25	155	176	1	0.16	0.003	17	16.3	0.048	6
93J851100	1.07	1.8	63	74	0.05	8.7	40.0	0.34	90	89	8	8.91	0.008	17	15.9	0.050	5
93J851102	2.11	2.9	77	66	0.06	17.9	12.6	0.30	1500	1517	2	0.53	0.004	20	21.4	0.085	8
93J851103	5.84	7.4	56	93	0.14	14.1	8.6	0.70	420	435	2	0.87	0.015	44	49.2	0.114	11
93J851104	1.77	3.9	78	36	0.12	7.9	6.8	0.21	880	949	4	1.78	0.016	12	12.4	0.203	5
93J851105	2.70	2.9	21	27	0.06	10.7	5.4	0.34	380	434	2	0.60	0.013	17	19.7	0.083	2
93J851106	3.04	3.9	56	65	0.07	12.8	4.8	0.54	495	538	2	0.77	0.017	36	38.2	0.102	4
93J851107	2.08	2.6	35	44	0.05	9.2	3.0	0.47	320	327	2	0.53	0.014	29	30.9	0.076	2
93J851108	3.55	5.4	84	99	0.1	14.3	11.4	0.83	760	809	2	0.73	0.015	52	55.9	0.098	8
93J851109	2.60	4.2	168	63	0.07	9.9	7.8	0.61	1110	1177	2	0.61	0.012	33	35.8	0.086	7
93J851110	2.01	3.7	56	68	0.05	10.7	7.8	0.53	695	755	1	0.50	0.012	28	30.6	0.078	2
93J851111	1.66	3.8	84	92	0.06	9.5	10.6	0.52	270	274	2	0.86	0.011	31	34.4	0.088	7
93J851112	2.82	4.3	496	180	0.07	13.1	35.0	0.43	2650	2678	2	1.29	0.009	43	47.0	0.149	5
93J851113	2.17	3.7	70	69	0.06	11.3	3.6	0.48	520	593	1	0.50	0.017	27	30.0	0.074	8
93J851115	2.51	3.9	56	66	0.08	12.5	5.4	0.52	800	897	1	0.75	0.019	30	34.7	0.082	5
93J851116	2.63	5.9	119	107	0.09	17.5	17.8	0.72	460	461	1	0.41	0.020	37	38.2	0.094	5

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93J851117	2.67	11.1	140	149	0.21	26.9	38.0	0.65	205	238	2	0.73	0.016	39	53.0	0.169	5
93J851118	3.53	5.7	56	57	0.11	13.4	7.0	0.64	530	580	2	0.90	0.015	33	38.7	0.089	11
93J851119	4.52	4.6	102	129	0.14	8.2	35.6	0.58	1500	1655	2	5.58	0.016	24	30.2	0.265	4
93J851120	8.00	7.1	102	102	0.14	13.5	17.0	0.81	2350	2567	4	1.19	0.017	35	40.4	0.225	9
93J851122	3.20	5.1	105	119	0.12	15.4	10.4	0.70	980	1114	2	0.87	0.024	35	41.4	0.108	9
93J851123	1.94	3.5	63	54	0.05	12.4	5.6	0.45	330	344	2	0.51	0.014	25	29.5	0.073	5
93J851124	2.44	3.2	91	85	0.05	11.6	6.0	0.44	1400	1616	2	0.53	0.017	25	30.2	0.088	1
93J851125	2.89	2.6	35	44	0.04	8.5	6.6	0.42	6500	7560	4	4.88	0.015	22	26.5	0.106	1
93J851126	2.53	3.1	70	75	0.07	12.6	3.4	0.53	685	824	2	0.74	0.021	39	43.2	0.088	4
93J851127	2.99	4.9	105	90	0.11	17.6	11.2	0.62	1300	1487	2	0.88	0.020	37	40.5	0.125	6
93J851128	2.44	3.2	63	64	0.07	17.4	2.8	0.90	380	437	2	0.51	0.009	28	30.9	0.071	6
93J851129	2.41	3.3	77	60	0.07	13.9	2.4	0.55	245	296	1	0.74	0.024	37	39.5	0.088	5
93J851130	1.42	2.6	245	183	0.09	14.1	31.6	0.42	210	212	2	1.41	0.012	42	42.7	0.069	7
93J851131	2.58	4.5	105	91	0.05	13.7	12.4	0.68	360	399	2	0.51	0.009	35	38.7	0.090	3
93J851132	2.29	3.7	49	43	0.03	7.6	5.4	0.61	380	415	2	0.48	0.007	28	31.1	0.058	2
93J851133	2.49	2.6	189	137	0.05	9.8	28.2	0.43	420	429	2	1.80	0.011	35	38.6	0.095	3
93J851134	2.02	3.8	56	41	0.04	7.0	4.6	0.79	335	350	2	0.31	0.010	28	28.3	0.064	2
93J851135	0.91	1.7	63	1802	0.02	9.9	2.8	0.33	95	132	2	0.26	0.006	16	16.7	0.066	1
93J851136	0.93	1.7	38	63	0.02	11.5	2.8	0.31	105	140	1	0.31	0.006	16	15.7	0.066	1
93J851138	1.08	3.1	108	129	0.06	11.8	19.4	0.40	155	161	2	0.68	0.011	24	25.7	0.066	6
93J851139	1.62	3.9	61	91	0.04	8.2	3.8	0.68	270	283	2	0.24	0.007	28	29.0	0.059	1
93J851140	1.78	3.3	127	121	0.06	12.8	28.8	0.42	270	252	2	0.60	0.009	27	28.9	0.099	11
93J851142	1.91	4.0	564	810	0.08	9.3	2.6	0.68	265	282	1	0.36	0.022	25	27.7	0.090	1
93J851143	0.74	1.2	165	177	0.03	3.3	74.4	0.22	490	475	2	1.52	0.006	18	17.8	0.083	1
93J851144	2.27	3.2	113	112	0.05	10.3	11.6	0.45	535	523	2	0.66	0.017	31	30.9	0.092	2
93J851145	0.90	2.2	24	34	0.04	9.2	2.2	0.27	180	198	1	0.32	0.008	10	10.0	0.077	2
93J851146	0.84	2.6	47	48	0.04	11.0	3.6	0.31	110	160	1	0.22	0.009	10	11.0	0.071	2
93J851147	3.08	3.5	56	60	0.07	32.4	5.2	0.56	345	352	2	0.37	0.005	22	23.6	0.081	14
93J851148	2.17	4.4	56	57	0.09	24.2	12.6	0.66	230	234	2	0.33	0.006	22	23.8	0.068	13
93J851149	2.32	2.8	52	39	0.05	33.3	3.4	0.39	285	311	2	0.28	0.003	17	18.3	0.073	9
93J851151	1.90	2.7	19	36	0.07	34.1	3.8	0.30	170	212	2	0.26	0.003	20	20.7	0.086	9
93J851152	1.71	2.4	24	30	0.07	35.3	4.4	0.27	165	184	2	0.18	0.003	18	18.9	0.086	9
93J851153	2.28	3.1	94	95	0.06	27.3	14.6	0.47	395	398	2	0.33	0.004	19	19.0	0.086	12
93J851154	2.93	3.6	56	82	0.07	30.5	4.8	0.56	440	471	2	0.43	0.005	22	22.8	0.080	15
93J851155	2.23	4.5	38	49	0.07	11.5	7.8	0.39	710	828	2	0.55	0.014	18	20.8	0.089	6
93J851156	1.35	3.1	33	37	0.04	8.9	5.4	0.28	240	262	2	0.35	0.010	19	21.5	0.060	3
93J851157	0.32	0.5	132	151	0.07	2.6	77.6	0.15	130	147	6	5.16	0.012	13	12.6	0.188	3
93J851158	0.71	1.4	273	286	0.05	12.9	80.4	0.24	100	109	4	3.90	0.008	29	29.8	0.149	1
93J851159	1.11	1.8	56	61	0.03	6.2	13.6	0.30	325	308	2	0.52	0.009	20	20.8	0.046	1
93J851160	1.11	2.7	156	150	0.05	14.4	39.6	0.32	320	331	2	0.96	0.011	32	34.9	0.116	3
93J851162	1.37	3.1	36	39	0.04	7.2	7.6	0.36	225	260	2	0.29	0.007	20	22.3	0.069	1
93J851164	2.25	3.6	61	56	0.06	8.6	8.0	0.55	865	860	2	0.82	0.010	42	41.9	0.077	3
93J851165	1.00	1.4	306	289	0.05	7.9	71.4	0.32	600	616	2	3.24	0.009	40	41.4	0.095	3
93J851166	1.08	1.6	132	150	0.04	5.6	46.4	0.32	355	387	1	2.20	0.008	20	21.9	0.118	2
93J851167	0.90	1.8	166	179	0.04	8.4	80.2	0.36	610	654	2	1.26	0.009	20	23.3	0.107	1
93J851168	0.71	1.4	202	183	0.03	2.9	75.8	0.37	205	223	2	2.34	0.009	17	16.2	0.111	1
93J851169	1.77	3.8	1530	1247	0.08	16.3	52.2	0.41	515	547	2	3.53	0.009	50	56.0	0.175	3
93J851170	2.16	5.5	146	143	0.09	23.3	38.0	0.53	240	252	2	0.97	0.010	43	51.4	0.167	2
93J851171	2.50	5.1	160	152	0.07	11.4	11.4	0.84	585	642	2	0.45	0.012	61	65.5	0.076	1
93J851172	2.39	4.0	132	111	0.07	10.7	9.6	0.66	1400	1432	2	0.87	0.012	55	56.8	0.068	3
93J851173	1.21	1.3	118	120	0.03	3.2	50.0	0.35	580	605	2	1.51	0.010	16	18.2	0.088	1
93J851174	1.03	2.2	113	96	0.04	4.8	42.6	0.50	370	418	2	2.11	0.012	44	52.6	0.062	1

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93J851175	0.91	1.3	263	247	0.03	10.4	66.2	0.23	290	331	2	1.62	0.006	41	46.6	0.090	1
93J851176	1.30	3.5	179	147	0.04	10.5	23.8	0.51	300	327	1	0.83	0.009	49	56.1	0.077	1
93J851177	0.45	0.3	179	163	0.01	1.2	87.4	0.21	45	49	2	1.69	0.004	14	14.2	0.092	1
93J851178	1.41	2.7	244	249	0.05	18.0	64.8	0.36	295	325	1	1.23	0.007	55	66.2	0.133	2
93J851179	2.14	3.4	99	104	0.08	12.3	10.0	0.42	1110	1266	2	0.97	0.005	34	36.5	0.082	5
93J851180	2.20	3.5	99	97	0.08	13.2	9.8	0.43	1030	1296	1	0.98	0.006	33	36.0	0.084	5
93J851182	0.60	0.6	235	230	0.04	4.6	79.4	0.20	520	549	4	4.40	0.008	11	10.9	0.165	1
93J851183	2.09	4.6	211	225	0.04	15.6	27.4	0.58	210	236	2	0.62	0.010	39	45.6	0.101	4
93J851184	2.47	3.5	66	85	0.05	9.7	5.0	0.66	895	1075	2	1.06	0.009	33	39.2	0.096	2
93J851185	1.82	3.0	52	69	0.04	8.3	3.4	0.54	290	350	2	1.05	0.007	27	30.3	0.070	3
93J851186	2.50	3.9	75	87	0.07	12.4	10.0	0.58	655	805	2	0.87	0.009	38	40.2	0.076	4
93J851187	3.12	3.9	127	157	0.07	12.5	13.4	0.63	1120	1334	4	3.50	0.008	46	47.4	0.107	7
93J851188	3.00	4.1	94	117	0.05	12.7	4.6	0.61	405	460	2	1.66	0.010	40	42.1	0.072	4
93J851189	2.07	3.5	113	128	0.07	9.5	8.2	0.62	215	254	2	0.79	0.011	40	40.1	0.091	3
93J851190	1.77	3.6	136	158	0.05	9.9	7.8	0.57	330	377	2	0.57	0.011	37	42.5	0.068	1
93J851192	1.26	3.2	176	157	0.05	8.3	16.4	0.46	180	212	4	1.13	0.017	32	33.2	0.079	1
93J851193	0.79	1.4	183	230	0.03	4.1	83.6	0.44	210	239	4	4.97	0.008	33	36.1	0.093	1
93J851194	0.85	1.4	202	239	0.03	4.7	82.4	0.44	235	267	4	5.01	0.007	34	37.9	0.091	1
93J851195	0.85	2.4	94	72	0.04	9.1	6.8	0.28	110	156	2	0.78	0.013	22	22.0	0.137	2
93J851196	0.55	1.3	155	179	0.08	5.0	58.8	0.15	110	146	2	3.53	0.009	14	14.8	0.203	3
93J851197	1.12	2.6	71	82	0.04	10.5	8.8	0.29	380	466	2	1.13	0.011	19	21.5	0.129	1
93J851198	1.10	3.4	166	208	0.05	13.9	32.0	0.37	150	173	2	1.64	0.013	24	26.2	0.111	1
93J851199	2.34	3.9	127	150	0.08	10.4	21.4	0.50	2350	2413	4	2.79	0.013	26	28.0	0.094	2
93J851200	1.10	3.3	201	266	0.05	8.8	50.0	0.41	195	214	4	3.93	0.012	19	21.6	0.104	3
93J851202	1.57	1.7	50	67	0.05	14.2	9.6	0.24	405	445	1	0.52	0.005	16	17.3	0.056	5
93J851203	1.48	1.8	93	97	0.08	7.6	23.4	0.43	725	795	2	0.49	0.007	21	19.9	0.099	7
93J851204	2.26	3.0	58	70	0.06	10.7	3.4	0.56	420	492	2	0.67	0.009	48	53.5	0.067	3
93J851205	2.34	2.0	21	32	0.09	48.6	2.2	0.29	375	401	2	0.27	0.007	16	16.7	0.095	14
93J851206	4.32	4.7	24	40	0.03	21.4	2.6	0.67	500	616	2	0.37	0.003	23	28.1	0.056	20
93J851207	3.73	3.8	37	49	0.05	27.6	5.0	0.40	655	756	1	0.45	0.006	21	24.0	0.063	18
93J851208	3.99	4.5	32	56	0.07	36.5	2.8	0.53	515	591	2	0.41	0.014	25	28.8	0.066	20
93J851209	2.28	2.7	27	33	0.08	34.3	1.8	0.33	275	340	2	0.29	0.005	17	19.0	0.055	13
93J851210	2.68	3.6	27	37	0.07	42.2	4.0	0.38	415	472	2	0.43	0.012	42	41.9	0.052	12
93J851212	2.47	2.9	27	38	0.07	35.3	4.6	0.32	510	615	2	0.38	0.007	27	28.3	0.084	9
93J851213	2.61	2.7	28	40	0.05	27.5	3.4	0.42	555	653	2	0.36	0.004	19	22.1	0.079	9
93J851214	3.07	3.5	48	58	0.1	24.9	5.6	0.49	1950	1886	2	0.55	0.006	30	31.5	0.069	23
93J851215	2.35	2.9	27	49	0.1	30.3	3.2	0.37	660	788	2	0.30	0.011	16	18.3	0.065	9
93J851216	2.08	2.5	27	34	0.06	28.4	2.2	0.33	515	568	1	0.25	0.006	15	15.5	0.064	6
93J851217	2.61	3.3	17	38	0.09	40.9	2.0	0.51	450	421	1	0.73	0.010	30	29.3	0.099	11
93J851218	2.09	4.0	66	107	0.08	17.5	10.4	0.49	1200	1049	1	0.41	0.007	29	27.5	0.088	9
93J851219	1.76	2.1	42	65	0.05	15.6	5.0	0.30	735	677	1	0.58	0.003	17	15.5	0.049	8
93J851220	1.56	2.6	56	77	0.06	17.9	7.4	0.36	435	444	1	0.31	0.004	23	20.8	0.071	9
93J851222	2.01	2.6	25	46	0.07	20.5	5.2	0.43	375	381	1	0.64	0.003	22	21.5	0.068	9
93J851223	1.95	2.4	58	77	0.06	12.1	5.2	0.72	815	795	1	1.04	0.007	34	33.2	0.086	7
93J851224	1.71	2.1	29	41	0.04	11.0	3.0	0.45	445	459	1	0.76	0.005	27	26.3	0.072	4
93J851225	1.17	1.7	42	63	0.07	9.8	6.4	0.29	265	260	2	2.68	0.003	22	21.6	0.081	5
93J851226	1.43	1.5	29	56	0.05	11.5	5.4	0.49	395	383	2	1.13	0.003	19	19.3	0.068	7
93J851227	1.46	1.6	25	50	0.05	11.1	5.8	0.44	500	458	2	1.11	0.003	21	18.9	0.067	8
93J851229	1.21	2.0	58	87	0.05	9.7	11.4	0.44	200	210	2	0.84	0.004	22	20.0	0.102	9
93J851230	1.83	2.2	25	37	0.05	16.3	7.2	0.30	480	457	1	0.51	0.004	19	17.9	0.062	7
93J851231	1.29	1.8	25	42	0.04	11.7	6.4	0.27	555	547	1	0.29	0.003	14	13.5	0.058	5
93J851232	3.07	4.0	46	55	0.07	29.3	5.2	0.53	575	599	2	0.43	0.006	29	30.0	0.068	13

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MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851233	2.71	3.0	33	53	0.05	28.7	4.4	0.51	520	520	1	0.34	0.004	21	20.7	0.081	13
93J851234	2.70	3.3	33	56	0.07	20.8	7.4	0.49	1700	1443	1	0.52	0.005	25	24.4	0.065	11
93J851235	2.71	3.4	41	96	0.07	19.9	7.2	0.49	1600	1355	2	0.51	0.005	27	25.1	0.065	13
93J851236	1.74	2.3	58	54	0.05	14.5	11.2	0.30	290	251	1	0.31	0.005	16	15.3	0.067	6
93J851237	2.01	2.8	91	101	0.05	38.2	2.4	0.35	240	225	1	0.25	0.005	21	20.4	0.075	6
93J851238	2.78	3.6	46	43	0.07	23.7	7.2	0.37	1750	1519	2	0.41	0.005	23	23.7	0.074	9
93J851239	2.32	3.3	58	65	0.07	22.8	6.4	0.38	1550	1369	1	0.42	0.006	26	25.0	0.073	9
93J851240	3.29	4.1	79	77	0.09	28.7	10.6	0.44	4150	3564	2	0.53	0.007	27	27.0	0.085	9
93J851242	1.31	3.4	158	152	0.07	16.2	17.8	0.27	160	145	2	0.16	0.005	18	16.8	0.118	5
93J851243	1.39	2.1	83	66	0.04	9.3	3.0	0.38	310	331	2	0.41	0.005	25	26.0	0.067	3
93J851244	3.21	2.9	116	123	0.09	15.1	11.8	0.30	4800	4072	2	2.63	0.006	40	38.1	0.102	9
93J851245	2.55	2.2	54	55	0.07	14.2	6.4	0.29	4200	3538	2	2.18	0.007	24	22.7	0.086	7
93J851246	2.59	3.8	915	141	0.09	19.7	5.0	1.02	805	732	1	0.69	0.009	40	37.9	0.067	9
93J851247	2.23	3.4	108	110	0.1	18.8	7.8	0.55	365	379	1	0.61	0.010	40	38.7	0.089	10
93J851248	1.68	2.2	83	70	0.06	13.1	7.4	0.22	670	611	1	0.43	0.003	20	18.8	0.072	6
93J851249	1.26	2.0	75	63	0.05	13.3	3.8	0.28	420	394	1	0.48	0.004	17	16.1	0.063	6
93J851250	1.72	2.2	54	50	0.05	13.8	8.6	0.32	425	407	1	0.29	0.005	16	16.1	0.057	9
93J851251	4.39	1.4	249	242	0.11	8.9	7.6	0.78	860	876	1	0.35	0.003	41	41.6	0.045	5
93J851252	1.92	3.1	42	57	0.06	14.7	6.8	0.29	760	656	1	0.47	0.004	27	27.0	0.067	5
93J851254	1.49	2.9	106	129	0.08	13.2	9.4	0.47	235	255	2	0.64	0.013	28	28.8	0.069	17
93J851255	1.70	2.5	50	68	0.07	21.2	5.6	0.25	520	520	2	0.51	0.004	19	21.3	0.047	5
93J851256	1.73	3.1	141	120	0.05	9.3	3.4	0.55	480	499	2	0.51	0.011	38	38.9	0.064	3
93J851257	2.01	3.4	174	198	0.04	13.1	25.0	0.40	980	983	2	0.57	0.008	43	46.3	0.102	4
93J851258	2.23	3.7	274	238	0.05	14.4	31.4	0.39	1350	1332	1	0.69	0.009	44	49.7	0.121	5
93J851259	1.16	1.9	58	696	0.03	7.8	2.2	0.37	255	247	2	0.33	0.006	34	34.0	0.047	3
93J851260	2.13	5.0	125	135	0.06	12.6	18.2	0.51	925	918	2	0.70	0.007	42	45.0	0.109	4
93J851262	1.47	2.8	12	144	0.05	9.3	5.4	0.46	750	713	1	0.42	0.009	48	46.0	0.050	2
93J851263	2.28	3.3	349	120	0.05	12.3	7.0	0.43	1250	1185	1	0.59	0.010	33	34.8	0.065	4
93J851264	2.60	4.4	58	89	0.07	13.2	12.8	0.60	715	759	1	0.98	0.007	67	70.1	0.082	5
93J851265	2.66	4.6	58	94	0.08	13.9	5.2	0.72	460	489	1	0.70	0.010	62	69.4	0.091	4
93J851266	2.38	4.2	66	89	0.08	13.3	6.4	0.69	585	594	1	0.68	0.010	59	63.1	0.069	3
93J851267	1.93	3.7	390	322	0.06	9.1	10.4	0.48	745	718	2	1.61	0.012	44	48.4	0.108	2
93J851268	3.18	7.7	199	187	0.1	15.9	24.8	0.86	845	833	1	1.29	0.010	140	140.7	0.149	4
93J851269	1.70	3.7	108	134	0.05	8.8	5.6	0.56	405	413	1	0.52	0.012	43	47.1	0.079	2
93J851270	1.57	3.0	75	77	0.06	9.8	11.2	0.67	315	285	1	0.29	0.005	23	23.2	0.080	5
93J851271	1.49	2.7	50	54	0.05	8.6	6.4	0.70	490	439	2	0.33	0.005	21	20.7	0.071	3
93J851272	1.82	2.9	50	72	0.06	9.6	8.4	0.41	250	248	2	0.83	0.005	20	20.5	0.067	5
93J851273	1.10	2.5	63	76	0.05	15.8	7.8	0.29	175	186	1	0.25	0.008	18	18.4	0.052	5
93J851274	1.35	2.0	42	31	0.05	13.5	4.8	0.24	485	496	2	0.26	0.005	17	18.4	0.042	4
93J851275	2.09	2.9	75	84	0.07	20.4	13.4	0.27	600	625	4	0.55	0.006	21	19.2	0.077	10
93J851277	2.65	4.0	42	62	0.12	30.0	5.6	0.49	510	545	2	0.59	0.009	29	31.0	0.058	10
93J851278	2.48	3.6	46	51	0.11	29.0	5.0	0.45	515	517	1	0.52	0.008	27	28.5	0.054	10
93J851279	2.36	3.8	54	54	0.08	22.0	10.8	0.38	420	413	2	0.30	0.005	27	28.1	0.061	12
93J851280	1.31	1.6	20	31	0.04	9.9	3.8	0.13	715	671	2	0.41	0.002	11	10.9	0.046	4
93J851282	1.32	2.0	40	58	0.06	11.8	6.6	0.20	650	693	2	0.43	0.004	13	13.8	0.057	3
93J851283	1.18	1.4	25	34	0.05	10.1	3.4	0.16	470	483	2	0.46	0.003	11	11.8	0.045	4
93J851284	0.95	1.2	15	25	0.04	7.8	2.4	0.13	355	356	2	0.39	0.002	10	9.8	0.035	3
93J851285	2.64	4.8	70	92	0.08	18.9	5.4	0.52	540	572	2	0.50	0.015	28	32.4	0.070	6
93J851286	1.10	1.5	10	12	0.04	12.2	1.4	0.25	210	224	2	0.18	0.005	11	11.5	0.041	3
93J851287	0.89	1.1	45	48	0.06	10.0	5.4	0.33	570	535	2	1.27	0.004	13	11.9	0.168	10
93J851288	1.28	1.9	50	73	0.07	13.6	4.6	0.37	215	214	1	1.48	0.005	15	14.9	0.103	10
93J851289	1.59	2.9	30	57	0.07	14.2	7.6	0.47	820	701	1	0.42	0.005	17	15.6	0.065	7

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93J851290	2.78	3.9	100	147	0.05	10.6	7.0	0.59	540	547	2	0.69	0.016	41	42.9	0.083	3
93J851291	2.35	2.4	280	355	0.06	9.2	72.6	0.36	1050	982	1	1.33	0.007	55	59.9	0.256	3
93J851292	2.83	4.3	140	170	0.09	11.2	8.4	0.96	840	763	2	0.85	0.015	130	120.0	0.089	4
93J851294	2.98	5.2	160	170	0.1	12.7	13.0	0.96	730	697	1	1.06	0.013	120	117.9	0.078	5
93J851295	2.21	3.3	130	135	0.06	10.4	3.4	0.81	560	517	1	0.80	0.013	84	84.4	0.073	3
93J851296	2.31	3.6	130	148	0.06	10.4	3.2	0.88	595	631	2	0.84	0.014	86	96.8	0.072	4
93J851297	2.84	4.1	110	111	0.09	10.1	2.8	1.29	795	725	1	0.86	0.018	160	143.3	0.068	6
93J851298	2.52	3.4	99	132	0.07	10.1	3.8	0.99	655	699	4	0.62	0.017	98	115.0	0.069	5
93J851299	2.31	3.4	72	95	0.05	9.3	5.0	0.63	475	496	2	0.62	0.011	51	58.7	0.077	4
93J851300	2.63	4.0	63	66	0.06	10.4	7.2	0.63	935	923	1	0.83	0.012	55	63.0	0.081	4
93J851302	3.22	4.0	90	85	0.08	11.9	4.4	0.69	1060	1018	2	0.95	0.015	62	65.8	0.087	5
93J851303	1.88	4.4	212	206	0.07	21.7	18.4	0.53	500	470	2	0.59	0.015	59	64.1	0.067	6
93J851304	2.02	3.1	50	51	0.06	10.1	4.0	0.45	470	487	1	0.46	0.017	28	29.0	0.065	3
93J851305	3.66	4.7	77	83	0.09	13.3	7.2	0.57	965	929	2	1.03	0.018	36	40.0	0.082	5
93J851306	4.22	7.1	117	105	0.18	17.3	9.2	0.94	1650	1514	2	1.19	0.024	56	59.6	0.075	10
93J851307	4.44	7.5	108	167	0.19	17.7	9.6	0.99	1600	1370	1	1.02	0.024	54	61.7	0.081	10
93J851308	3.23	5.5	77	84	0.1	19.3	7.0	0.65	660	640	2	0.71	0.024	31	36.2	0.089	8
93J851309	1.96	3.2	198	82	0.05	7.7	3.8	0.59	410	417	1	0.52	0.011	42	49.9	0.073	1
93J851310	1.99	3.1	63	77	0.05	8.1	4.4	0.55	390	379	2	0.60	0.010	44	48.8	0.070	2
93J851312	2.71	3.7	162	161	0.05	9.5	7.2	0.67	1350	1247	2	0.74	0.020	74	78.2	0.068	1
93J851313	2.83	5.3	135	122	0.09	15.5	21.0	0.70	480	408	1	0.54	0.011	73	72.6	0.099	5
93J851314	1.97	5.7	68	53	0.08	9.4	9.8	0.53	385	417	1	0.67	0.013	31	36.5	0.090	2
93J851315	3.14	5.7	72	77	0.13	15.6	6.6	0.64	470	482	4	0.84	0.021	33	38.3	0.097	6
93J851316	2.58	8.9	126	123	0.15	8.8	25.0	0.50	260	281	1	0.65	0.013	22	26.1	0.092	11
93J851317	4.36	8.1	90	109	0.17	15.8	14.4	0.95	1350	1251	1	1.14	0.028	42	44.7	0.101	10
93J851318	2.76	3.3	72	80	0.06	19.3	10.4	0.43	4650	4399	6	5.62	0.023	54	57.1	0.069	8
93J851319	2.08	2.9	41	55	0.05	14.7	2.0	0.62	390	350	1	0.83	0.008	29	29.6	0.068	5
93J851320	2.45	3.2	77	79	0.05	15.9	3.4	0.68	490	511	2	0.92	0.009	32	33.8	0.071	7
93J851322	2.24	3.0	63	66	0.05	15.3	2.6	0.63	365	399	1	0.78	0.008	30	30.8	0.071	6
93J851323	1.93	2.7	36	43	0.04	14.0	2.4	0.58	370	378	2	0.76	0.008	28	27.3	0.066	4
93J851324	3.79	5.9	117	85	0.17	18.4	8.6	1.16	1050	1019	2	0.88	0.040	66	65.9	0.093	8
93J851325	3.22	4.7	54	50	0.12	16.3	5.4	0.83	870	820	1	0.80	0.032	52	50.8	0.090	6
93J851326	1.66	3.5	153	3296	0.04	7.2	7.8	0.58	320	324	1	0.79	0.012	44	42.5	0.073	2
93J851327	2.70	4.5	144	123	0.07	9.0	9.8	0.73	710	709	1	0.72	0.020	65	61.6	0.080	4
93J851328	1.81	2.3	27	35	0.06	17.2	2.2	0.30	485	521	1	0.36	0.010	28	26.8	0.044	6
93J851329	1.89	2.6	45	45	0.07	17.7	3.0	0.55	455	425	1	0.54	0.008	20	19.2	0.068	5
93J851330	0.86	1.6	35	40	0.03	10.2	4.8	0.17	320	298	1	0.19	0.003	13	12.7	0.042	3
93J851331	1.54	3.6	193	229	0.09	17.3	52.6	0.39	1550	1314	1	1.02	0.027	36	36.1	0.159	24
93J851332	2.26	3.9	39	59	0.09	17.7	7.4	0.50	680	693	1	0.67	0.013	27	26.6	0.067	7
93J851334	3.07	6.1	56	81	0.11	16.5	9.8	0.60	740	682	2	0.85	0.010	35	36.0	0.078	9
93J851335	1.67	2.1	42	56	0.04	11.7	8.4	0.17	615	589	2	0.76	0.003	12	11.6	0.076	4
93J851336	2.02	3.0	21	31	0.08	26.0	3.2	0.38	505	481	1	0.30	0.012	20	20.1	0.048	7
93J851337	1.98	2.9	25	28	0.05	19.9	3.6	0.37	540	486	1	0.29	0.005	20	21.1	0.051	8
93J851338	1.34	1.4	14	16	0.03	11.8	1.0	0.23	240	231	1	0.23	0.004	20	19.8	0.037	4
93J851339	1.52	1.7	28	37	0.04	9.6	2.4	0.37	410	383	1	0.38	0.005	28	27.0	0.043	4
93J851340	2.72	4.8	105	117	0.1	14.5	12.6	0.71	880	793	1	0.98	0.009	76	76.3	0.085	7
93J851342	3.38	6.0	105	147	0.1	20.1	16.4	0.76	885	857	2	1.22	0.008	66	69.1	0.096	7
93J851343	2.45	3.2	28	53	0.05	7.2	2.2	0.74	410	394	2	0.50	0.012	65	68.8	0.060	3
93J851344	2.13	2.9	112	74	0.05	9.0	3.6	0.72	700	683	1	0.44	0.015	56	52.6	0.069	2
93J851345	2.08	2.7	53	58	0.04	7.6	3.8	0.65	280	281	2	0.51	0.012	46	45.9	0.069	2
93J851346	3.51	5.5	88	125	0.11	14.6	13.0	0.84	1950	1720	2	0.86	0.017	53	54.2	0.098	8
93J851347	1.35	2.7	105	106	0.05	5.7	22.4	0.45	785	723	1	0.54	0.011	19	19.5	0.086	2

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851348	0.63	0.5	140	150	0.03	1.1	75.4	0.24	1700	1375	4	1.63	0.007	15	12.5	0.073	1
93J851349	2.23	4.5	77	98	0.07	11.9	6.8	0.62	630	601	2	1.35	0.011	47	46.6	0.093	4
93J851350	2.23	4.0	133	151	0.07	9.4	18.0	0.55	855	821	2	0.58	0.016	38	39.7	0.093	2
93J851351	1.96	3.8	35	38	0.05	15.2	4.6	0.52	635	634	1	0.54	0.010	20	19.4	0.081	3
93J851352	1.54	3.5	98	108	0.07	11.3	21.2	0.39	655	706	2	0.60	0.014	19	20.2	0.090	2
93J851353	2.37	3.3	105	192	0.06	14.1	7.6	0.49	850	813	1	1.28	0.013	43	43.5	0.123	3
93J851354	1.09	2.4	49	56	0.03	5.3	2.8	0.56	285	309	1	0.18	0.010	36	35.9	0.043	1
93J851355	1.95	2.6	91	66	0.04	8.5	2.4	0.60	385	392	2	0.63	0.011	59	57.9	0.069	4
93J851357	2.44	4.8	119	141	0.07	11.8	6.4	0.67	350	371	2	0.66	0.012	55	56.0	0.086	6
93J851358	3.01	5.2	112	119	0.09	10.7	5.8	0.74	485	525	2	1.66	0.010	57	58.7	0.130	11
93J851359	2.43	3.4	98	100	0.07	15.7	5.2	0.72	495	529	1	0.70	0.016	60	60.7	0.065	3
93J851360	2.34	3.5	224	183	0.07	14.5	4.4	0.75	465	530	1	0.63	0.018	62	62.0	0.063	3
93J851362	1.31	3.3	98	109	0.06	13.3	18.6	0.29	325	344	1	0.35	0.009	23	23.1	0.083	6
93J851363	1.03	2.1	49	57	0.05	12.2	6.8	0.24	145	161	1	0.27	0.006	19	18.3	0.054	4
93J851364	2.04	2.5	21	25	0.09	24.6	2.8	0.31	645	663	1	0.40	0.015	19	19.5	0.053	8
93J851365	2.26	3.9	154	167	0.07	18.3	12.8	0.59	780	777	2	0.64	0.014	69	70.3	0.089	5
93J851366	2.10	2.7	39	43	0.06	19.9	8.0	0.36	615	657	1	0.35	0.006	23	22.1	0.062	8
93J851367	2.21	2.9	91	93	0.08	21.6	16.6	0.28	1400	1095	1	0.71	0.006	29	23.6	0.122	11
93J851368	1.77	2.7	60	65	0.06	19.2	10.4	0.28	725	745	1	0.53	0.005	18	17.5	0.100	8
93J851369	2.94	4.6	48	55	0.15	14.3	15.6	0.66	1350	1201	1	0.71	0.027	22	19.9	0.170	9
93J851370	2.66	3.6	35	42	0.11	14.0	6.0	0.52	785	804	1	0.75	0.035	24	24.3	0.114	6
93J851371	2.08	2.8	42	47	0.08	13.4	5.6	0.43	725	747	2	0.80	0.028	21	21.1	0.086	2
93J851373	1.88	2.3	28	55	0.07	11.7	3.2	0.36	375	442	1	0.84	0.027	15	15.1	0.081	4
93J851374	2.03	2.5	49	66	0.07	12.6	3.6	0.40	445	500	1	1.00	0.027	16	16.3	0.082	3
93J851375	1.84	2.5	49	47	0.07	12.9	4.6	0.43	1600	1450	2	2.46	0.029	21	23.0	0.072	2
93J851376	3.11	4.4	28	37	0.1	15.6	3.6	0.52	625	670	1	0.73	0.045	19	18.5	0.103	6
93J851377	2.72	6.0	42	54	0.12	14.7	9.4	0.57	855	930	1	0.40	0.021	24	24.4	0.109	8
93J851378	1.14	2.7	126	162	0.05	11.8	54.0	0.26	270	259	2	3.84	0.012	33	32.7	0.168	3
93J851379	2.03	4.2	42	48	0.12	15.3	12.4	0.48	385	404	1	0.83	0.022	22	23.3	0.120	9
93J851380	2.61	6.8	63	77	0.14	19.2	16.0	0.57	1950	1853	1	1.08	0.019	32	31.9	0.143	8
93J851382	3.07	4.6	56	57	0.1	15.9	5.6	0.48	2150	2204	1	0.80	0.019	27	27.0	0.114	8
93J851383	2.00	4.2	39	45	0.08	16.5	8.6	0.36	580	551	1	0.54	0.016	20	19.4	0.094	5
93J851384	2.90	6.2	98	100	0.13	12.2	16.2	0.48	1350	1364	2	0.74	0.018	27	26.5	0.179	9
93J851386	1.70	4.6	70	80	0.1	13.6	13.8	0.31	565	512	1	0.69	0.022	18	17.0	0.104	6
93J851387	2.94	5.1	63	77	0.14	12.2	12.8	0.56	1450	1414	2	0.85	0.020	34	33.4	0.112	11
93J851388	3.19	4.2	48	57	0.1	10.0	10.8	0.48	3500	3227	2	1.09	0.020	40	38.0	0.136	5
93J851389	2.95	5.1	130	151	0.11	13.6	29.0	0.50	1950	1763	4	0.98	0.019	44	47.0	0.163	8
93J851390	4.45	4.8	63	81	0.12	14.5	14.6	0.60	3700	3452	4	1.50	0.021	41	41.0	0.164	6
93J851391	2.11	8.1	140	119	0.19	30.1	53.0	0.46	285	247	2	1.40	0.014	58	60.1	0.217	5
93J851392	2.07	2.4	21	19	0.06	8.6	3.4	0.51	425	413	1	0.71	0.010	39	38.4	0.067	2
93J851393	2.73	5.3	66	53	0.12	16.1	6.0	0.67	455	453	2	1.15	0.026	41	41.4	0.111	9
93J851394	1.32	4.7	49	42	0.04	14.1	8.4	0.28	305	299	2	0.38	0.012	27	26.7	0.176	4
93J851395	2.59	5.5	79	56	0.16	17.1	7.8	0.74	715	694	2	0.94	0.029	53	51.0	0.091	7
93J851396	2.80	5.6	49	42	0.16	15.2	8.8	0.66	1400	1299	2	1.07	0.020	26	23.9	0.095	9
93J851397	2.88	3.9	42	37	0.15	15.9	5.4	0.61	1450	1380	2	1.32	0.030	27	24.1	0.114	9
93J851398	2.47	2.8	217	177	0.04	7.1	54.4	0.64	1150	1055	2	1.70	0.012	75	83.4	0.121	3
93J851399	2.31	2.9	94	76	0.07	11.9	12.0	0.40	1700	1723	1	1.04	0.011	29	27.0	0.075	5
93J851400	2.45	3.0	94	75	0.09	12.5	11.6	0.40	2250	2035	1	1.02	0.015	28	27.2	0.076	5
93J851402	1.25	2.0	98	88	0.05	13.4	5.6	0.31	415	387	1	0.54	0.005	19	17.3	0.070	5
93J851403	2.06	2.8	119	73	0.05	9.8	5.0	0.53	560	504	1	0.57	0.008	44	42.7	0.062	4
93J851404	1.93	2.7	70	54	0.06	28.3	3.8	0.44	345	310	1	0.39	0.006	22	19.6	0.050	11
93J851405	2.64	3.8	49	22	0.1	60.7	3.6	0.93	655	630	1	0.53	0.009	26	24.0	0.095	17

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93J851406	2.63	3.9	30	32	0.11	39.3	3.4	0.93	785	735	2	0.57	0.010	25	24.1	0.095	18
93J851407	2.47	3.5	25	29	0.1	96.2	3.8	0.67	795	729	2	1.49	0.011	25	22.9	0.069	18
93J851409	2.95	4.5	15	22	0.1	16.5	3.8	1.16	645	577	1	0.41	0.008	29	27.9	0.079	12
93J851410	2.24	2.7	58	59	0.21	27.4	4.2	0.94	1050	1010	10	8.99	0.007	42	41.8	0.070	9
93J851411	1.92	2.1	90	71	0.07	12.6	3.4	0.56	480	485	1	1.05	0.006	23	23.6	0.072	8
93J851412	3.49	4.1	170	148	0.16	21.5	8.4	0.90	900	859	4	3.11	0.009	41	38.0	0.080	19
93J851413	1.92	1.9	110	80	0.08	12.0	6.4	1.21	705	632	1	1.14	0.005	24	20.5	0.088	21
93J851414	1.71	2.4	45	38	0.04	5.3	1.6	0.90	395	344	1	0.40	0.005	21	19.0	0.053	5
93J851415	0.70	0.7	15	16	0.1	3.7	2.6	2.17	295	277	2	0.19	0.007	7	5.5	0.036	2
93J851416	3.27	6.1	85	94	0.07	6.9	8.0	0.89	495	446	2	0.62	0.021	33	30.9	0.114	3
93J851417	2.29	5.5	105	114	0.11	17.1	8.2	0.57	505	468	2	0.73	0.019	28	25.6	0.081	8
93J851418	1.46	3.8	275	206	0.06	21.1	32.4	0.44	585	323	2	0.85	0.015	24	24.2	0.104	5
93J851419	1.55	2.9	60	56	0.06	8.9	4.6	0.38	1080	613	2	1.72	0.019	31	29.6	0.134	3
93J851420	1.42	2.8	115	133	0.08	6.5	5.8	0.46	820	222	2	0.45	0.009	32	29.2	0.075	2
93J851422	1.93	3.9	65	60	0.1	9.3	6.8	0.64	780	682	4	2.96	0.028	43	35.2	0.086	6
93J851423	2.85	4.6	135	128	0.33	5.6	5.0	1.00	425	368	1	0.87	0.009	41	34.2	0.113	3
93J851424	1.34	2.8	90	83	0.04	6.2	6.6	0.47	670	586	2	0.57	0.008	21	18.6	0.076	1
93J851425	3.00	3.6	115	110	0.06	9.7	17.6	0.38	5200	4482	4	4.39	0.007	37	33.5	0.148	6
93J851427	1.73	3.7	105	112	0.13	8.9	6.0	0.57	315	294	2	0.84	0.013	32	28.0	0.118	6
93J851428	1.66	3.5	155	151	0.11	5.8	7.8	0.71	615	546	1	0.48	0.007	26	21.4	0.117	3
93J851429	1.62	3.4	165	143	0.1	6.5	7.0	0.65	640	622	4	0.48	0.009	24	21.9	0.111	2
93J851430	2.38	2.8	185	135	0.09	12.2	3.2	0.49	1800	1531	1	1.08	0.020	30	29.8	0.077	7
93J851431	5.37	7.3	55	62	0.12	6.2	4.8	1.59	1180	1212	4	1.21	0.011	35	38.6	0.066	1
93J851432	3.98	4.6	140	191	0.09	12.8	7.6	0.68	2800	2601	4	2.02	0.014	47	47.8	0.118	6
93J851433	3.11	5.2	75	139	0.08	10.9	4.6	0.80	995	935	2	1.15	0.023	42	42.5	0.102	4
93J851434	2.98	4.7	80	147	0.07	11.1	3.4	0.75	875	863	2	1.00	0.022	39	37.5	0.096	3
93J851435	1.30	1.8	30	27	0.04	9.1	1.6	0.33	685	585	1	0.38	0.005	17	15.7	0.049	3
93J851436	1.89	2.5	55	58	0.05	13.9	7.0	0.36	785	789	2	0.59	0.008	19	20.3	0.059	4
93J851437	1.83	2.3	28	27	0.05	16.2	2.2	0.38	535	474	2	0.38	0.006	19	17.3	0.059	5
93J851438	2.11	3.2	40	52	0.08	16.0	6.6	0.44	1110	1136	2	0.62	0.015	20	22.8	0.065	6
93J851439	2.83	3.6	48	65	0.17	25.2	4.4	0.56	1400	1250	3	1.26	0.023	33	30.2	0.094	9
93J851440	1.93	2.4	35	44	0.06	16.7	3.4	0.41	580	555	2	0.61	0.006	21	21.3	0.070	7
93J851442	1.93	2.6	65	62	0.07	15.1	5.8	0.93	740	698	2	0.49	0.008	22	22.7	0.072	8
93J851443	2.66	3.5	80	92	0.08	16.1	6.8	0.58	685	679	2	0.64	0.010	32	33.7	0.079	7
93J851444	1.86	4.1	65	87	0.08	14.3	5.2	0.47	730	697	2	1.14	0.011	35	35.7	0.087	4
93J851445	3.06	6.0	135	115	0.11	12.5	14.6	0.66	1650	1566	2	1.20	0.010	68	69.8	0.090	6
93J851446	1.20	3.0	230	221	0.07	14.7	59.8	0.21	110	104	2	1.14	0.008	43	40.1	0.234	4
93J851447	3.25	4.4	75	77	0.06	12.5	8.6	0.52	2000	1855	2	1.00	0.009	47	47.0	0.081	4
93J851448	3.13	3.6	250	258	0.07	19.0	41.4	0.35	1750	1566	2	1.43	0.008	46	49.4	0.178	7
93J851449	0.66	1.4	125	185	0.09	4.2	47.4	0.19	430	370	2	0.83	0.009	15	13.6	0.152	7
93J851450	1.38	3.5	215	252	0.06	34.3	38.0	0.42	420	372	2	0.80	0.010	46	45.7	0.092	7
93J851451	2.87	3.7	180	205	0.04	13.0	18.6	0.43	2050	1828	2	0.75	0.007	37	35.8	0.088	4
93J851452	2.51	4.2	75	79	0.06	13.2	7.8	0.47	1800	1665	1	0.58	0.008	44	44.8	0.065	4
93J851453	1.32	3.5	105	139	0.04	15.6	3.8	0.41	155	177	1	0.11	0.010	30	30.0	0.050	4
93J851454	2.07	3.9	65	89	0.07	16.0	7.0	0.45	770	792	2	0.65	0.012	27	26.4	0.079	6
93J851456	2.28	2.5	70	85	0.08	23.1	2.2	0.43	360	349	1	0.36	0.009	24	22.7	0.062	8
93J851457	1.83	2.6	35	36	0.07	20.6	4.6	0.33	580	518	1	0.31	0.006	22	21.5	0.042	9
93J851458	1.96	2.8	33	35	0.05	14.2	2.0	0.42	425	392	1	0.40	0.015	30	29.1	0.059	4
93J851459	1.54	2.1	35	35	0.05	15.1	2.4	0.33	560	495	1	0.30	0.007	25	21.5	0.044	5
93J851460	1.43	1.9	30	42	0.05	12.4	1.8	0.31	525	442	1	0.33	0.005	24	20.9	0.039	5
93J851462	2.36	3.4	130	161	0.06	11.6	16.4	0.42	2100	1954	2	1.02	0.010	46	44.6	0.082	3
93J851463	2.42	4.9	60	110	0.07	11.6	7.2	0.54	1150	1163	1	0.59	0.009	32	36.4	0.060	4

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93J851464	3.55	6.3	60	60	0.15	15.0	11.6	0.71	2100	2009	2	1.03	0.019	36	37.8	0.112	9
93J851465	3.92	7.5	100	110	0.15	16.2	6.0	0.90	785	791	1	0.66	0.022	47	48.9	0.064	7
93J851466	0.78	1.8	230	212	0.05	10.0	64.0	0.30	430	370	1	1.12	0.009	26	24.5	0.120	6
93J851467	1.20	3.4	100	107	0.06	9.1	21.4	0.35	410	372	1	0.71	0.018	28	30.2	0.053	6
93J851468	1.55	2.3	50	45	0.08	14.3	6.8	0.61	535	468	1	0.77	0.006	20	18.6	0.098	6
93J851469	2.93	4.6	70	84	0.11	20.9	6.8	0.62	1400	1424	1	1.05	0.022	36	37.0	0.076	7
93J851470	2.05	2.9	40	39	0.06	26.7	3.0	0.44	435	447	2	0.25	0.009	21	21.2	0.052	6
93J851471	1.78	2.6	50	43	0.05	20.6	3.0	0.38	385	365	1	0.22	0.006	19	18.3	0.048	5
93J851472	3.38	4.6	100	80	0.11	25.3	5.0	1.04	655	682	1	0.44	0.011	34	37.5	0.067	11
93J851474	1.82	1.8	30	20	0.04	17.4	2.0	0.29	500	492	1	0.32	0.004	23	22.6	0.040	5
93J851475	1.47	1.9	35	22	0.06	21.0	3.0	0.27	645	558	1	0.27	0.006	18	16.1	0.042	6
93J851476	2.42	3.2	55	48	0.08	22.3	5.2	0.43	1680	1343	1	0.50	0.005	29	29.9	0.050	9
93J851477	1.74	2.0	40	28	0.05	20.2	3.4	0.29	680	663	1	0.36	0.004	19	19.5	0.043	6
93J851478	4.16	7.3	110	88	0.15	14.4	5.8	0.93	1060	1097	1	0.73	0.018	47	47.2	0.062	11
93J851479	2.23	3.3	65	83	0.07	16.1	3.2	0.60	575	561	1	0.38	0.012	25	26.5	0.073	5
93J851480	1.62	2.6	150	109	0.06	15.4	10.8	0.33	305	270	1	0.48	0.004	20	21.5	0.091	6
93J851482	1.24	1.8	200	118	0.05	8.8	29.0	0.24	655	541	2	0.72	0.005	16	17.2	0.101	5
93J851483	2.20	3.2	150	135	0.07	8.8	2.4	1.41	445	434	1	0.48	0.017	140	138.3	0.062	2
93J851484	3.63	5.1	180	132	0.1	11.4	8.2	1.20	3400	3139	2	1.27	0.014	180	182.9	0.094	3
93J851485	2.68	4.3	150	144	0.08	13.1	5.6	0.85	705	766	2	0.63	0.015	94	105.1	0.066	4
93J851486	2.04	3.5	120	83	0.05	7.7	4.4	0.82	5880	962	1	0.61	0.011	62	66.5	0.065	2
93J851487	2.66	4.6	132	189	0.07	11.9	16.2	0.80	520	502	1	0.74	0.012	92	100.5	0.107	4
93J851488	4.10	4.5	162	207	0.09	11.9	6.4	1.10	1850	1852	2	1.30	0.014	140	137.0	0.093	5
93J851489	1.93	4.2	144	153	0.07	18.2	27.0	0.62	505	451	2	0.85	0.010	99	107.2	0.101	4
93J851491	2.69	4.3	114	179	0.07	10.9	6.2	1.03	560	540	2	0.95	0.012	140	144.1	0.085	4
93J851492	1.76	2.7	90	130	0.05	7.9	5.0	0.87	465	443	2	0.48	0.012	87	88.5	0.068	4
93J851493	2.97	3.5	114	135	0.06	10.2	8.0	0.81	1160	1154	2	0.88	0.014	64	64.8	0.105	3
93J851494	2.81	4.2	90	100	0.09	10.4	3.6	1.28	755	754	2	0.83	0.016	150	145.3	0.069	3
93J851495	2.84	3.4	54	92	0.05	7.9	8.2	0.69	1400	1346	2	0.77	0.010	56	55.8	0.078	1
93J851496	3.36	4.8	120	159	0.1	13.3	15.4	0.91	695	689	2	0.99	0.016	98	98.8	0.107	5
93J851497	3.20	4.5	126	158	0.1	14.5	17.0	0.91	1600	1619	2	0.87	0.013	99	107.0	0.109	5
93J851498	3.05	3.4	66	76	0.05	9.4	9.0	0.73	2400	2514	1	1.18	0.011	59	63.5	0.085	1
93J851499	0.91	0.5	420	446	0.07	1.8	79.6	0.25	455	423	5	3.79	0.007	33	31.8	0.160	1
93J851500	0.54	1.3	300	350	0.03	4.3	64.6	0.33	110	95	4	3.56	0.008	29	26.9	0.080	1
93J851502	2.27	2.8	90	76	0.05	10.2	4.6	0.48	360	370	2	0.70	0.011	41	42.7	0.074	4
93J851504	2.78	3.8	180	79	0.08	11.1	5.0	0.88	865	882	2	0.94	0.013	70	73.2	0.076	4
93J851505	3.19	5.2	72	99	0.1	16.2	5.6	0.77	615	705	2	1.19	0.014	64	67.8	0.088	5
93J851506	2.15	3.1	420	129	0.06	11.5	2.2	0.73	510	529	1	0.86	0.010	64	66.2	0.068	3
93J851507	2.95	4.5	120	171	0.09	14.2	5.0	0.83	545	589	2	0.94	0.015	70	73.6	0.088	5
93J851508	2.31	3.3	120	136	0.07	10.0	3.6	1.13	510	544	1	0.64	0.017	98	101.0	0.074	4
93J851509	2.79	4.2	48	66	0.07	15.1	5.0	0.57	1000	1066	2	0.93	0.014	31	31.9	0.087	6
93J851510	3.51	5.6	96	114	0.13	15.4	13.2	0.79	720	730	2	0.89	0.024	38	41.6	0.109	14
93J851511	1.78	2.3	48	49	0.04	8.7	2.0	0.44	240	237	1	0.37	0.013	30	31.0	0.065	2
93J851512	2.69	4.6	60	72	0.08	12.4	4.6	0.61	610	610	2	0.61	0.012	34	38.3	0.084	7
93J851513	2.71	5.6	120	162	0.08	18.9	11.8	0.75	470	478	4	2.43	0.016	47	50.0	0.082	6
93J851514	4.15	7.1	84	104	0.16	15.8	4.0	1.14	785	927	2	0.78	0.031	57	61.4	0.086	8
93J851515	4.03	7.0	84	113	0.14	15.8	3.8	1.12	930	1010	2	0.79	0.027	58	59.0	0.086	8
93J851516	3.44	5.5	210	245	0.1	20.1	23.4	1.10	1650	1609	2	1.42	0.013	160	150.9	0.122	4
93J851517	1.72	3.3	108	101	0.05	8.6	5.0	0.75	255	258	1	0.34	0.011	53	55.6	0.069	3
93J851518	2.67	4.6	114	125	0.07	15.9	11.4	0.58	965	989	1	0.61	0.012	42	43.4	0.112	4
93J851519	2.41	4.8	420	129	0.06	16.9	12.4	0.54	570	570	1	0.47	0.009	43	46.6	0.095	3
93J851520	4.12	4.1	390	512	0.09	15.4	58.8	0.51	665	653	3	1.69	0.009	130	115.3	0.286	1

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MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851522	1.74	3.9	120	101	0.04	8.6	7.4	0.54	285	284	1	0.22	0.011	45	47.7	0.053	2
93J851523	1.56	3.2	162	197	0.07	8.0	30.6	0.86	455	417	2	0.65	0.009	130	110.4	0.107	3
93J851524	1.77	3.5	120	132	0.07	12.4	24.8	0.44	445	455	2	0.99	0.015	37	40.5	0.121	10
93J851525	1.44	5.9	270	244	0.09	34.3	59.4	0.24	155	131	3	0.93	0.008	39	36.8	0.200	4
93J851526	1.46	3.9	84	105	0.06	9.6	13.6	0.38	280	277	2	0.41	0.012	25	25.6	0.083	4
93J851527	1.23	4.0	141	141	0.05	12.9	16.4	0.33	350	338	2	0.40	0.011	26	27.2	0.124	5
93J851529	3.56	4.4	114	137	0.07	15.8	12.6	0.45	1030	1094	2	1.57	0.016	40	40.5	0.098	4
93J851530	1.12	4.3	60	80	0.08	8.1	12.0	0.33	170	186	2	0.81	0.009	27	27.0	0.102	5
93J851531	2.64	3.1	27	34	0.08	10.2	4.4	0.45	1550	1468	2	0.87	0.012	40	41.0	0.091	3
93J851532	2.49	3.1	69	84	0.06	10.3	1.8	0.35	300	328	1	0.56	0.011	24	24.8	0.076	6
93J851533	2.23	3.6	54	61	0.07	9.2	3.0	0.43	430	446	1	0.45	0.018	27	27.8	0.086	4
93J851534	2.27	3.7	54	63	0.06	9.7	4.0	0.43	435	477	1	0.52	0.013	27	28.6	0.091	4
93J851535	2.04	3.0	54	49	0.05	7.7	4.8	0.39	465	483	2	0.56	0.012	21	22.4	0.072	2
93J851536	2.53	4.3	48	55	0.09	11.7	4.4	0.50	955	1019	1	0.64	0.016	32	34.2	0.091	5
93J851537	2.06	3.7	66	71	0.08	9.5	7.8	0.42	820	873	1	0.45	0.019	25	25.5	0.089	4
93J851538	3.13	4.7	72	76	0.09	10.8	7.4	0.50	1750	1825	2	0.62	0.014	28	28.2	0.101	6
93J851539	3.06	3.7	48	58	0.06	10.6	1.8	0.42	1750	1819	2	1.00	0.013	40	42.3	0.085	4
93J851540	1.58	2.7	78	80	0.04	7.5	12.4	0.35	520	547	1	0.58	0.013	18	18.5	0.076	4
93J851542	2.01	3.2	42	44	0.06	10.8	2.4	0.49	500	568	1	0.55	0.019	25	26.4	0.068	3
93J851543	2.09	3.1	36	47	0.06	12.3	3.2	0.43	450	472	1	0.46	0.016	24	26.4	0.073	3
93J851544	1.74	2.7	42	49	0.05	11.7	2.0	0.40	395	418	2	0.41	0.016	21	23.1	0.064	3
93J851545	2.09	3.5	60	58	0.08	12.3	4.8	0.53	455	471	1	0.49	0.018	27	27.8	0.070	4
93J851546	2.48	4.1	60	88	0.1	15.7	5.4	0.62	485	508	1	0.51	0.018	32	32.7	0.077	7
93J851547	3.70	4.4	60	82	0.08	14.1	10.4	0.56	7600	7832	2	1.20	0.019	38	37.1	0.113	4
93J851548	3.52	5.9	90	109	0.17	16.7	11.6	0.85	725	701	2	0.90	0.021	44	40.9	0.074	10
93J851549	2.04	2.8	36	46	0.05	10.1	2.6	0.41	285	287	1	0.47	0.014	27	25.7	0.065	3
93J851550	3.91	6.9	78	86	0.16	16.7	5.4	0.77	1250	1279	2	0.94	0.018	50	47.0	0.080	12
93J851551	3.08	4.3	78	88	0.09	15.8	8.6	0.57	2650	2676	2	1.05	0.029	43	41.0	0.098	6
93J851552	4.66	4.0	72	89	0.08	14.5	11.8	0.54	1900	1855	2	1.21	0.020	60	59.7	0.117	3
93J851553	1.75	2.9	36	48	0.05	11.2	2.0	0.50	270	273	1	0.46	0.009	25	25.4	0.056	4
93J851554	1.85	2.9	30	38	0.05	12.7	2.0	0.51	225	244	2	0.41	0.009	24	25.5	0.058	4
93J851555	1.53	2.3	15	19	0.03	11.5	1.4	0.41	275	283	1	0.37	0.007	19	19.3	0.056	3
93J851556	2.47	3.7	51	177	0.08	11.4	4.2	0.48	405	407	2	0.92	0.017	34	33.8	0.080	14
93J851557	2.79	4.4	150	147	0.1	16.1	37.8	0.54	2200	2060	3	1.81	0.015	37	35.4	0.173	7
93J851558	2.03	3.2	60	68	0.06	12.1	4.0	0.43	620	606	2	0.65	0.016	29	26.4	0.076	4
93J851559	1.92	2.6	30	38	0.04	10.4	1.4	0.34	440	444	1	0.33	0.012	24	22.3	0.062	2
93J851562	1.62	2.8	48	55	0.05	9.5	5.0	0.40	230	243	1	0.38	0.014	24	23.4	0.056	2
93J851563	1.88	2.6	33	40	0.04	9.4	2.6	0.39	450	461	1	0.36	0.013	24	23.7	0.056	2
93J851564	2.46	2.7	30	30	0.05	11.3	2.2	0.43	610	632	1	0.52	0.015	28	28.2	0.062	2
93J851565	1.77	5.2	87	99	0.08	11.9	10.6	0.58	190	219	2	0.52	0.024	27	27.9	0.064	7
93J851566	2.35	3.7	60	69	0.07	13.0	5.0	0.52	490	507	2	0.52	0.020	31	30.4	0.082	4
93J851567	1.87	2.6	36	35	0.05	10.7	2.6	0.41	250	262	1	0.35	0.014	25	23.5	0.061	2
93J851568	2.34	3.5	60	62	0.07	14.7	3.2	0.56	595	593	1	0.55	0.014	32	30.2	0.061	5
93J851569	2.03	2.5	36	43	0.06	16.9	1.0	0.79	355	359	1	0.30	0.006	24	22.7	0.055	6
93J851570	2.09	2.8	42	45	0.07	18.9	2.4	0.85	320	335	1	0.31	0.007	24	25.3	0.062	6
93J851571	2.34	3.0	51	56	0.08	18.0	2.6	0.98	390	397	1	0.35	0.008	26	25.3	0.063	7
93J851572	1.80	1.8	21	29	0.04	26.0	1.0	0.71	245	286	1	0.22	0.005	14	15.5	0.069	3
93J851573	3.00	6.3	186	217	0.14	14.9	44.0	0.62	450	453	2	1.27	0.011	29	34.7	0.174	9
93J851574	2.97	4.6	78	80	0.08	16.5	7.4	0.59	970	1078	1	0.77	0.018	32	32.2	0.083	7
93J851575	2.32	3.3	30	40	0.08	18.0	3.8	0.55	970	955	2	0.54	0.009	25	25.5	0.061	8
93J851577	3.34	4.7	60	96	0.13	23.1	3.6	1.04	615	623	2	0.65	0.013	36	37.1	0.067	9
93J851578	3.35	4.4	60	67	0.1	21.0	3.6	1.01	600	618	2	0.60	0.009	36	36.9	0.064	9

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93J851579	2.60	4.0	60	59	0.08	15.4	4.8	0.58	695	696	2	0.70	0.021	34	35.5	0.076	6
93J851580	3.95	4.9	42	54	0.08	28.2	3.2	0.88	575	669	1	0.62	0.009	39	41.4	0.066	12
93J851582	2.24	3.3	30	47	0.06	21.3	3.4	0.53	300	327	1	0.40	0.008	27	26.6	0.069	6
93J851583	2.31	1.8	108	157	0.06	11.9	9.0	0.33	835	944	4	2.87	0.003	38	38.8	0.106	6
93J851584	1.29	3.4	72	71	0.08	14.3	14.2	0.27	630	708	2	1.38	0.006	18	18.3	0.079	5
93J851585	1.38	5.0	66	65	0.08	20.0	7.4	0.43	190	203	1	0.34	0.008	19	19.7	0.076	6
93J851586	0.33	1.0	186	209	0.04	7.6	73.6	0.12	70	72	2	0.85	0.024	6	6.8	0.147	3
93J851587	4.58	6.4	108	131	0.12	29.9	13.6	0.63	615	635	7	6.05	0.012	36	39.6	0.126	11
93J851588	2.66	4.8	84	87	0.07	19.4	12.4	0.42	2000	2073	4	2.26	0.010	23	26.6	0.095	5
93J851589	2.69	4.9	54	62	0.1	24.0	9.0	0.44	1090	1161	3	1.69	0.007	20	22.2	0.070	9
93J851590	2.88	5.4	54	68	0.11	26.7	10.0	0.46	1060	1242	3	1.88	0.007	20	24.4	0.076	10
93J851591	0.32	0.3	180	155	0.04	9.4	86.6	0.11	35	44	3	0.99	0.010	5	6.7	0.178	2
93J851592	12.98	3.7	180	211	0.07	38.2	33.4	0.26	6750	7322	10	12.48	0.007	13	16.6	0.107	8
93J851593	-1.00	-1.0	54	-1	-1	-1.0	8.6	-1.00	2050	-1	2	-1.00	-1.000	17	-1.0	-1.000	9
93J851594	1.69	4.7	48	51	0.08	22.7	5.8	0.45	360	347	2	0.93	0.005	16	17.5	0.070	7
93J851595	1.56	2.0	54	58	0.06	11.0	7.2	1.15	685	665	2	0.87	0.005	22	22.0	0.088	6
93J851597	0.52	0.8	240	231	0.02	2.4	72.6	0.37	70	77	3	1.23	0.005	8	7.7	0.111	4
93J851598	2.99	4.0	96	93	0.06	10.0	11.2	0.79	955	1066	2	1.17	0.004	38	40.6	0.099	8
93J851599	1.93	2.5	168	205	0.06	8.6	49.0	0.49	285	278	2	1.26	0.004	23	29.1	0.133	6
93J851600	1.00	1.6	162	166	0.04	6.6	61.0	0.38	135	134	2	1.56	0.005	15	15.9	0.089	2
93J851602	1.78	2.9	66	86	0.05	13.0	8.4	0.51	615	619	1	0.42	0.004	22	23.1	0.083	6
93J851603	3.99	3.9	36	38	0.08	40.8	5.2	0.46	1040	1159	1	0.54	0.013	30	32.1	0.069	20
93J851604	2.54	3.1	54	52	0.08	20.4	3.2	0.61	1100	1212	1	0.73	0.006	29	29.4	0.072	12
93J851605	3.84	4.0	60	74	0.05	39.6	10.4	0.43	650	703	2	0.61	0.007	31	33.2	0.098	28
93J851606	2.19	2.9	30	141	0.06	17.7	3.8	0.87	660	708	1	0.38	0.004	22	21.3	0.070	9
93J851607	1.86	2.7	48	45	0.05	12.0	6.8	0.56	465	440	1	0.43	0.004	20	20.8	0.068	6
93J851608	2.04	2.9	60	59	0.06	12.8	7.0	0.67	490	526	1	0.41	0.004	22	22.7	0.070	6
93J851609	2.05	2.8	48	42	0.07	16.7	4.0	0.64	500	551	1	0.54	0.007	21	23.2	0.062	5
93J851611	2.92	3.3	66	76	0.09	36.5	3.0	0.57	720	818	1	0.61	0.005	28	31.0	0.075	14
93J851612	2.25	3.0	72	66	0.05	18.0	7.6	0.39	475	487	1	0.42	0.007	23	25.7	0.073	4
93J851613	1.85	2.5	36	34	0.07	26.1	1.8	0.52	310	282	1	0.43	0.004	20	21.3	0.060	5
93J851614	2.66	3.6	120	215	0.09	15.4	5.2	0.70	730	777	2	1.77	0.012	35	35.0	0.106	4
93J851615	2.03	3.0	60	65	0.04	10.7	9.6	0.47	625	628	1	0.73	0.006	36	36.7	0.051	3
93J851616	3.32	5.3	108	104	0.05	7.6	13.0	1.25	790	807	2	1.12	0.013	80	82.1	0.071	2
93J851617	3.09	4.2	138	134	0.08	14.6	5.0	0.58	660	709	2	1.42	0.014	29	30.1	0.083	6
93J851618	4.77	4.3	264	343	0.12	20.0	11.4	0.84	1100	1200	15	16.66	0.006	54	54.5	0.224	6
93J851619	2.68	5.0	102	103	0.09	12.0	6.4	0.71	680	711	3	1.84	0.013	21	20.7	0.120	1
93J851620	2.66	4.6	126	109	0.12	16.8	22.0	0.59	1200	1255	2	1.12	0.010	34	35.2	0.136	13
93J851622	3.63	5.9	60	74	0.17	26.9	7.6	0.73	590	615	2	0.92	0.023	35	37.4	0.118	7
93J851623	2.70	4.8	75	135	0.15	28.2	5.8	0.54	715	781	2	1.02	0.011	25	26.4	0.112	4
93J851625	1.77	3.4	58	85	0.07	13.1	8.0	0.46	285	273	1	0.45	0.008	22	22.9	0.079	2
93J851626	2.55	3.3	100	77	0.05	9.7	2.6	0.52	485	481	1	0.68	0.008	45	50.0	0.077	1
93J851627	3.73	4.6	133	152	0.08	10.4	11.4	0.87	1450	1440	1	0.62	0.012	74	77.6	0.120	2
93J851628	3.82	3.6	120	137	0.04	7.8	13.2	0.46	1450	1478	1	0.54	0.009	35	37.7	0.091	1
93J851629	1.73	3.3	91	109	0.04	8.0	5.6	0.53	460	455	1	0.36	0.011	34	35.7	0.068	1
93J851630	2.37	4.0	100	107	0.05	9.4	11.8	0.62	365	337	1	0.55	0.011	43	41.3	0.091	1
93J851631	1.82	2.7	58	61	0.05	8.1	2.0	0.44	390	400	2	0.61	0.008	32	33.8	0.080	1
93J851632	1.99	3.9	112	99	0.05	8.5	5.8	0.56	735	740	1	0.63	0.010	31	33.0	0.084	1
93J851633	2.75	5.0	83	103	0.09	8.3	7.8	0.85	805	861	2	1.16	0.023	35	37.2	0.094	1
93J851634	2.20	4.1	60	110	0.06	7.1	5.4	0.70	610	600	2	0.86	0.015	32	31.1	0.080	1
93J851635	2.51	4.0	380	575	0.05	10.0	9.0	0.65	1500	1464	2	1.33	0.012	52	52.4	0.075	1
93J851636	2.26	3.6	91	235	0.06	11.9	5.0	0.51	955	1026	2	1.08	0.010	36	37.0	0.076	3

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851637	2.54	4.8	191	231	0.07	12.4	27.2	0.62	615	597	2	0.73	0.013	68	68.8	0.101	2
93J851638	2.79	4.9	191	115	0.06	8.3	11.6	0.80	660	667	1	0.82	0.013	56	55.9	0.094	2
93J851639	4.00	5.5	79	104	0.08	9.3	11.4	0.85	3500	3693	6	4.97	0.014	59	59.7	0.106	2
93J851640	2.31	3.8	199	236	0.08	9.6	5.2	0.65	585	589	1	0.76	0.016	52	51.1	0.094	2
93J851642	2.47	3.4	100	118	0.05	10.4	8.0	0.50	1950	1849	3	1.26	0.011	49	47.2	0.094	2
93J851643	1.16	1.7	25	36	0.05	8.8	4.0	0.26	160	165	2	0.44	0.008	20	19.3	0.097	1
93J851644	2.47	4.0	62	84	0.08	16.2	7.0	0.57	895	1006	2	0.89	0.012	52	51.9	0.071	4
93J851645	3.42	5.1	108	128	0.12	16.1	9.4	0.75	995	1118	2	1.34	0.011	55	60.4	0.091	7
93J851646	2.21	3.5	66	91	0.07	12.1	4.6	0.67	555	591	2	0.62	0.011	45	49.1	0.072	3
93J851647	2.39	3.9	149	169	0.08	10.5	8.8	0.61	1040	1196	2	1.03	0.019	43	48.5	0.117	1
93J851648	2.24	3.6	75	3947	0.06	11.0	5.6	0.69	725	784	2	0.80	0.011	44	46.2	0.074	2
93J851649	2.75	4.9	83	108	0.09	11.3	8.2	0.62	440	493	2	0.91	0.012	43	49.2	0.122	7
93J851650	4.80	7.7	291	345	0.25	14.2	11.4	1.19	3250	3392	3	1.64	0.014	52	54.9	0.130	27
93J851651	3.12	4.9	100	125	0.1	10.0	10.8	0.76	1000	1166	2	1.06	0.009	43	48.1	0.094	7
93J851653	2.03	3.5	91	112	0.05	6.1	9.4	0.52	320	350	4	1.97	0.009	49	49.2	0.062	3
93J851654	2.22	3.3	100	101	0.06	9.6	6.0	0.52	360	383	1	0.49	0.013	42	44.3	0.084	1
93J851655	1.58	2.6	100	148	0.04	7.5	2.8	0.45	240	293	1	0.42	0.008	34	37.5	0.061	2
93J851656	2.69	6.0	210	200	0.07	8.7	4.6	1.02	580	641	2	0.44	0.023	43	44.0	0.091	1
93J851657	2.87	6.2	154	314	0.08	8.8	5.6	1.08	555	597	2	0.47	0.021	49	47.9	0.094	1
93J851658	2.65	6.2	100	194	0.1	8.8	4.6	0.96	635	714	2	0.44	0.033	41	42.7	0.086	1
93J851659	2.50	4.1	125	138	0.06	13.7	12.0	0.60	960	1073	2	1.42	0.007	40	43.7	0.089	4
93J851660	3.27	4.3	622	181	0.08	13.2	5.4	0.70	820	856	2	1.15	0.012	58	57.2	0.081	5
93J851662	3.46	5.1	223	187	0.08	9.4	17.0	0.71	780	835	3	1.11	0.016	66	71.8	0.135	3
93J851663	3.12	4.5	92	105	0.09	13.9	6.8	0.71	1700	1511	2	1.21	0.012	47	50.0	0.085	5
93J851665	2.50	3.8	139	195	0.07	12.5	4.4	0.73	490	519	2	0.73	0.011	74	80.6	0.071	3
93J851666	3.45	8.9	185	217	0.17	10.8	29.6	0.89	1000	1107	3	1.72	0.009	90	114.9	0.136	3
93J851667	0.97	4.0	385	377	0.07	19.2	58.8	0.34	145	149	2	0.49	0.007	48	54.8	0.172	2
93J851668	1.48	3.9	131	129	0.05	9.0	13.2	0.53	450	496	2	0.24	0.010	35	40.3	0.074	1
93J851669	1.66	3.0	385	418	0.06	12.4	72.2	0.54	1350	1350	2	0.83	0.008	58	78.4	0.201	2
93J851670	2.73	4.5	108	158	0.06	9.2	6.0	0.73	885	848	2	0.91	0.015	63	64.0	0.068	1
93J851671	3.36	5.8	168	156	0.07	9.9	21.0	0.86	1180	1246	2	0.92	0.008	69	75.4	0.080	2
93J851672	1.56	1.4	385	418	0.06	5.9	74.8	0.39	1800	1735	2	1.28	0.007	38	46.1	0.151	1
93J851673	4.04	6.9	77	92	0.16	15.1	16.4	0.90	1450	1426	4	1.73	0.020	44	49.0	0.079	10
93J851674	4.46	7.4	85	97	0.2	17.0	15.2	0.98	1000	1057	3	1.11	0.023	54	56.8	0.079	15
93J851675	2.42	4.4	69	95	0.11	20.9	14.4	0.59	295	291	1	0.41	0.008	25	27.2	0.070	7
93J851676	1.48	2.5	108	99	0.06	12.8	3.8	0.44	315	330	2	0.44	0.009	35	39.8	0.069	1
93J851677	2.13	3.9	293	114	0.06	14.3	10.8	0.51	5950	985	2	0.95	0.011	49	50.8	0.075	3
93J851678	1.65	2.6	77	93	0.06	13.7	1.2	0.43	220	251	1	0.46	0.008	37	39.0	0.074	2
93J851679	2.64	4.9	116	152	0.12	16.2	3.8	0.73	415	455	2	0.66	0.012	57	65.1	0.065	5
93J851680	1.94	4.9	62	78	0.08	12.0	7.2	0.51	420	450	10	0.19	0.010	20	23.4	0.057	6
93J851682	2.07	3.7	77	105	0.09	13.4	11.6	0.57	420	420	2	0.40	0.028	31	32.1	0.071	8
93J851683	1.94	2.7	100	65	0.07	14.6	7.2	0.66	630	657	2	0.56	0.008	23	27.0	0.071	6
93J851684	2.44	3.3	31	36	0.09	24.5	4.2	0.46	620	701	1	0.48	0.010	20	23.0	0.064	6
93J851685	2.39	3.6	42	47	0.11	16.9	7.4	0.46	1350	1336	1	0.51	0.009	24	26.1	0.080	7
93J851686	2.86	5.0	39	47	0.1	18.7	4.2	0.66	420	470	2	0.52	0.026	33	37.6	0.092	5
93J851687	0.62	2.6	51	52	0.07	9.3	18.6	0.13	115	129	1	0.29	0.009	6	6.8	0.132	5
93J851688	1.62	2.2	81	70	0.05	15.5	16.2	0.22	380	394	1	0.40	0.005	13	13.8	0.109	4
93J851689	1.71	2.4	92	92	0.08	13.0	19.8	1.22	1060	1208	2	0.69	0.008	17	16.9	0.093	11
93J851690	2.42	4.4	185	172	0.1	11.0	29.0	0.83	725	775	2	1.60	0.015	84	102.3	0.117	6
93J851692	0.91	5.2	308	310	0.08	31.5	58.2	0.27	130	134	2	0.94	0.011	65	76.1	0.195	3
93J851693	1.49	4.8	331	323	0.08	24.5	67.0	0.46	355	373	2	0.97	0.011	65	79.6	0.140	2
93J851694	3.41	4.7	85	87	0.06	14.6	6.4	0.98	820	952	2	0.97	0.009	44	50.3	0.074	11

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851695	3.84	6.1	223	242	0.1	20.6	23.8	0.88	1700	1743	3	1.52	0.017	130	138.2	0.119	5
93J851696	3.72	5.9	254	240	0.09	19.3	23.4	0.83	1600	1671	3	1.50	0.016	120	131.2	0.115	4
93J851697	2.53	4.0	69	83	0.07	12.7	7.6	0.60	1800	1957	2	0.77	0.019	39	47.3	0.088	2
93J851698	2.50	4.3	77	85	0.07	14.2	5.6	0.64	705	767	1	0.62	0.018	39	49.2	0.078	3
93J851699	2.46	4.8	85	93	0.08	14.1	11.6	0.57	480	539	1	0.38	0.019	29	35.4	0.098	4
93J851700	2.33	4.3	77	86	0.07	11.9	7.8	0.48	270	334	2	0.44	0.031	25	29.3	0.088	4
93J851702	1.58	5.8	139	153	0.08	13.5	10.4	0.44	200	240	1	0.27	0.037	27	35.3	0.080	5
93J851703	2.37	4.1	85	100	0.07	12.9	9.8	0.66	350	400	1	0.46	0.013	48	57.1	0.083	4
93J851705	2.27	3.7	58	65	0.06	11.0	5.4	0.71	990	1117	2	0.84	0.019	52	60.7	0.069	2
93J851706	3.90	6.9	123	136	0.1	16.1	23.6	0.70	760	837	2	0.97	0.017	60	76.9	0.145	5
93J851707	1.94	2.9	108	72	0.04	7.3	4.2	0.58	250	318	1	0.46	0.011	49	60.2	0.065	1
93J851708	2.66	3.9	123	132	0.05	11.4	10.8	0.76	700	851	1	0.74	0.015	71	90.3	0.093	2
93J851709	2.40	3.1	193	82	0.04	9.2	8.6	0.61	745	829	1	0.57	0.011	59	70.0	0.070	1
93J851710	1.77	3.2	69	83	0.05	8.2	4.8	0.61	300	353	1	0.38	0.012	44	53.1	0.061	2
93J851711	2.08	3.4	39	41	0.05	6.4	3.2	0.81	340	383	1	0.35	0.014	52	57.6	0.056	1
93J851712	1.94	3.3	46	54	0.06	5.6	1.8	0.89	230	288	1	0.30	0.016	59	69.5	0.045	1
93J851713	1.38	2.4	85	75	0.04	5.7	5.0	0.57	235	277	1	0.34	0.012	31	35.0	0.049	1
93J851714	2.10	4.4	146	125	0.07	10.4	18.4	0.64	435	501	2	0.46	0.015	55	66.2	0.080	4
93J851715	1.04	1.3	177	181	0.03	4.8	63.2	0.56	145	150	4	2.55	0.012	48	53.3	0.116	1
93J851716	0.99	1.8	65	61	0.04	5.7	6.6	0.38	230	235	1	0.37	0.017	24	23.0	0.058	1
93J851717	1.30	2.4	100	95	0.03	6.4	17.6	0.41	475	518	1	0.85	0.015	25	27.2	0.082	1
93J851718	1.83	3.4	100	112	0.04	7.6	12.6	0.54	625	671	1	0.31	0.011	43	52.9	0.078	1
93J851719	1.60	3.2	77	66	0.04	7.8	5.2	0.61	345	367	1	0.23	0.012	47	52.0	0.053	1
93J851720	1.66	3.3	62	67	0.04	7.8	4.8	0.64	355	414	1	0.27	0.010	42	55.1	0.053	1
93J851722	3.07	5.2	291	568	0.07	10.7	10.4	0.78	1030	1136	2	0.80	0.014	72	87.4	0.081	2
93J851723	4.02	5.8	166	192	0.09	12.4	14.2	0.83	2650	2894	3	1.27	0.020	90	108.6	0.100	3
93J851724	2.51	5.3	166	175	0.06	10.7	17.0	0.75	355	431	2	0.84	0.012	58	68.6	0.100	3
93J851726	2.98	4.8	191	217	0.1	11.1	4.4	1.04	815	1020	2	1.71	0.014	70	79.2	0.089	4
93J851727	2.30	3.5	75	85	0.04	9.4	2.6	0.55	405	472	1	0.56	0.009	45	52.0	0.070	2
93J851728	2.21	4.3	133	231	0.07	10.3	6.2	0.67	295	348	2	0.70	0.011	56	65.5	0.073	3
93J851729	2.95	2.7	75	38	0.09	14.2	8.6	0.30	5100	5063	2	0.63	0.008	23	27.3	0.082	3
93J851730	0.30	0.9	91	107	0.02	5.2	78.2	0.08	30	35	2	0.49	0.006	10	9.8	0.078	4
93J851731	1.22	3.5	66	65	0.05	12.9	13.0	0.28	195	205	2	0.37	0.007	15	18.6	0.054	5
93J851732	0.40	0.7	149	175	0.05	11.4	89.6	0.09	20	18	2	0.64	0.006	12	11.7	0.155	3
93J851733	2.58	4.8	66	73	0.06	17.3	5.4	0.52	415	530	2	0.54	0.014	27	33.0	0.068	4
93J851734	2.62	5.0	75	79	0.07	18.6	6.0	0.52	465	532	1	0.59	0.015	28	33.4	0.068	5
93J851735	1.04	1.5	21	28	0.07	14.2	4.0	0.55	235	284	1	0.55	0.008	13	12.8	0.052	3
93J851736	1.11	1.6	50	56	0.05	11.7	5.0	0.74	215	228	1	0.68	0.005	16	16.1	0.067	4
93J851737	2.43	5.1	83	107	0.08	12.4	11.6	0.67	705	817	2	0.76	0.021	48	59.6	0.079	4
93J851738	1.60	4.0	83	98	0.05	13.3	9.4	0.40	230	272	1	0.21	0.014	33	39.6	0.053	3
93J851739	2.29	4.9	41	58	0.08	17.2	16.2	0.49	625	653	2	1.07	0.015	41	49.7	0.090	3
93J851740	0.93	3.6	33	39	0.04	6.3	54.2	0.26	110	131	1	0.38	0.009	14	17.5	0.064	4
93J851742	0.79	2.8	132	155	0.03	6.7	59.2	0.22	355	358	3	2.38	0.008	24	25.1	0.101	2
93J851743	2.46	4.5	69	79	0.05	12.5	11.8	0.66	885	976	2	0.76	0.006	32	34.9	0.090	4
93J851744	2.13	3.0	32	33	0.07	11.9	3.8	0.58	435	484	1	0.56	0.010	46	51.9	0.065	3
93J851745	2.86	4.7	58	70	0.08	11.9	6.4	0.76	595	659	2	1.10	0.019	50	59.2	0.075	4
93J851746	1.56	1.9	34	48	0.07	15.9	4.2	0.30	715	744	1	0.53	0.007	22	23.5	0.053	4
93J851747	1.38	1.7	35	36	0.07	9.8	6.8	0.97	765	781	2	0.93	0.006	20	18.8	0.069	6
93J851748	2.84	6.2	95	112	0.07	21.8	10.0	0.60	430	442	1	0.37	0.013	49	55.3	0.057	6
93J851749	3.77	6.5	69	75	0.11	12.6	9.2	0.87	1900	2008	2	0.89	0.017	60	66.2	0.077	8
93J851750	1.87	2.7	58	59	0.05	7.3	3.8	0.64	495	513	1	0.41	0.010	45	45.1	0.055	2
93J851751	1.76	2.7	35	44	0.04	7.9	2.2	0.61	415	491	2	0.40	0.012	39	42.9	0.056	1

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851753	2.23	5.0	53	86	0.07	12.3	10.4	0.53	505	564	2	0.50	0.009	35	43.3	0.076	4
93J851754	1.58	1.4	148	225	0.03	4.8	80.2	0.20	220	225	3	2.03	0.005	51	60.7	0.130	5
93J851755	1.91	6.1	504	552	0.09	33.0	61.0	0.68	605	626	3	0.97	0.008	160	186.4	0.243	2
93J851756	2.48	3.3	69	323	0.07	8.3	5.6	0.61	760	808	2	0.88	0.014	52	60.0	0.097	1
93J851757	2.59	4.7	85	102	0.14	12.9	3.8	0.70	570	629	3	1.08	0.016	56	62.6	0.099	5
93J851758	1.39	1.9	292	339	0.04	24.8	76.6	0.22	170	172	4	3.38	0.005	48	56.1	0.169	3
93J851759	1.69	2.1	27	30	0.08	24.2	7.2	0.19	440	436	2	0.36	0.003	12	13.8	0.089	9
93J851760	1.85	2.1	32	35	0.08	24.3	9.2	0.22	475	494	2	0.39	0.004	12	15.9	0.102	9
93J851762	0.36	0.7	166	232	0.06	6.2	75.2	0.10	145	144	3	0.96	0.009	9	9.5	0.239	3
93J851763	2.78	7.2	58	95	0.14	20.2	15.6	0.58	405	418	3	1.38	0.011	22	27.3	0.086	10
93J851764	1.94	4.1	26	45	0.11	11.2	4.2	0.47	405	445	2	1.54	0.011	18	21.5	0.061	3
93J851765	2.99	4.1	51	95	0.05	9.0	6.8	0.55	645	689	2	0.97	0.011	23	29.8	0.098	1
93J851766	2.36	2.9	26	41	0.05	12.7	2.2	0.54	480	524	2	0.68	0.008	34	39.9	0.077	3
93J851767	2.84	5.2	58	98	0.06	13.8	10.4	0.70	1300	1422	3	1.07	0.007	34	44.5	0.096	4
93J851768	1.87	1.9	45	55	0.06	15.6	5.8	0.58	490	548	3	0.70	0.004	20	24.2	0.072	8
93J851769	1.80	1.9	38	50	0.05	19.1	2.2	0.55	370	412	2	0.67	0.004	18	23.2	0.070	7
93J851770	0.94	2.7	77	107	0.08	8.0	51.8	0.39	90	109	3	0.87	0.007	10	14.3	0.121	5
93J851771	2.82	3.5	26	39	0.07	27.9	5.8	0.53	540	597	2	0.75	0.005	23	33.1	0.070	8
93J851772	1.66	1.8	26	38	0.05	13.1	6.4	0.32	745	781	2	0.26	0.005	13	14.8	0.048	4
93J851773	2.80	2.7	51	74	0.06	14.3	16.8	0.32	2700	2880	1	0.62	0.004	20	27.2	0.113	4
93J851774	2.10	3.4	45	63	0.06	22.1	7.8	0.37	685	689	2	0.42	0.006	19	23.1	0.078	4
93J851776	1.08	3.8	32	51	0.09	24.9	17.0	0.12	1010	1208	2	0.58	0.008	4	7.5	0.066	6
93J851777	2.75	3.6	38	54	0.05	16.6	6.8	0.45	885	1187	1	0.62	0.007	24	35.4	0.085	4
93J851778	2.32	4.1	64	98	0.11	11.6	14.8	0.64	425	504	3	2.45	0.029	29	39.5	0.109	4
93J851779	1.79	3.5	64	97	0.07	10.4	8.6	0.59	265	312	2	1.61	0.021	29	36.0	0.087	4
93J851780	2.59	3.6	38	63	0.08	11.1	7.6	0.58	705	838	1	0.71	0.015	32	43.6	0.095	3
93J851782	2.99	4.6	80	117	0.11	12.5	7.0	0.67	710	786	3	2.47	0.026	33	41.4	0.101	5
93J851783	2.43	3.4	53	71	0.08	10.5	5.0	0.55	370	429	1	0.65	0.019	28	34.5	0.088	3
93J851784	3.88	3.2	27	33	0.07	10.7	3.6	0.60	820	934	2	1.13	0.023	49	63.5	0.082	2
93J851785	2.63	4.2	74	91	0.09	12.3	7.8	0.63	415	477	2	1.06	0.022	32	40.7	0.104	5
93J851786	3.13	4.2	53	78	0.09	13.5	5.6	0.57	455	544	3	0.93	0.026	27	33.7	0.122	5
93J851787	3.23	4.1	69	91	0.08	14.1	4.0	0.54	645	784	2	1.84	0.029	28	32.4	0.121	5
93J851788	2.81	4.1	27	47	0.11	12.4	6.0	0.63	835	974	1	0.89	0.020	36	46.0	0.114	6
93J851789	3.10	3.5	53	72	0.07	9.4	8.0	0.60	480	535	4	3.27	0.022	25	29.2	0.091	4
93J851790	2.71	3.2	42	56	0.06	8.7	3.8	0.45	3550	3597	2	1.25	0.016	21	23.9	0.086	2
93J851791	2.84	3.3	24	37	0.05	8.6	2.6	0.51	355	402	2	0.65	0.015	21	24.3	0.071	3
93J851793	2.26	3.1	42	50	0.07	11.2	7.0	0.56	590	610	2	0.56	0.017	35	38.9	0.079	3
93J851794	2.47	3.3	42	44	0.06	9.8	3.8	0.60	415	466	2	0.60	0.016	29	32.6	0.075	3
93J851795	2.87	5.3	42	53	0.16	12.7	19.4	0.60	870	980	3	0.78	0.013	23	26.8	0.138	6
93J851796	2.36	5.2	32	36	0.12	10.6	10.0	0.56	595	625	2	0.55	0.015	17	18.4	0.101	5
93J851797	1.64	3.5	27	27	0.06	12.5	6.6	0.33	720	748	2	0.41	0.013	18	20.7	0.066	2
93J851798	2.62	4.5	66	96	0.06	18.1	10.8	0.52	475	527	2	0.58	0.009	33	41.6	0.093	5
93J851799	1.01	1.9	138	172	0.03	7.4	59.2	0.28	160	177	2	0.58	0.008	24	24.1	0.094	1
93J851800	1.07	2.0	154	177	0.03	7.1	56.2	0.31	170	190	2	0.55	0.008	23	25.2	0.090	1
93J851802	1.54	2.3	53	70	0.06	12.6	1.0	0.36	515	556	2	0.68	0.005	19	19.2	0.091	6
93J851803	1.20	0.9	106	124	0.02	4.8	57.2	0.23	405	414	6	4.07	0.004	10	10.9	0.107	2
93J851804	1.59	2.9	42	62	0.05	10.0	1.0	0.51	300	350	1	0.20	0.006	19	22.0	0.068	3
93J851805	1.50	2.4	37	41	0.04	9.1	1.0	0.48	310	369	1	0.16	0.005	17	19.1	0.061	4
93J851806	2.32	3.5	37	51	0.08	14.2	1.0	0.85	710	760	1	0.64	0.006	38	41.9	0.086	4
93J851807	1.35	1.4	19	25	0.03	12.4	1.0	0.57	470	538	1	0.38	0.005	14	14.9	0.051	3
93J851808	1.50	1.9	24	33	0.05	10.8	1.0	1.28	340	408	2	0.40	0.005	16	19.0	0.081	5
93J851809	2.03	2.4	106	30	0.04	13.1	1.0	0.50	340	453	1	0.34	0.009	20	23.6	0.063	3

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MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J851810	1.62	4.3	90	113	0.04	8.4	1.0	0.54	605	691	1	0.56	0.014	20	23.6	0.074	1
93J851811	2.41	4.8	78	85	0.04	9.5	1.0	0.63	1250	1416	2	0.92	0.013	21	25.3	0.085	1
93J851813	-1	-1	-1	-1	-1	-1	-1.0	-1	8050	-1	2	-1	-1	32	-1	-1	12
93J851814	3.34	5.5	66	110	0.13	41.0	1.0	0.59	3750	4012	4	3.23	0.029	24	29.3	0.099	9
93J851815	2.57	3.8	75	148	0.05	11.9	1.0	0.63	710	767	2	0.86	0.016	40	50.0	0.082	3
93J851816	2.96	4.5	69	80	0.07	12.0	1.0	0.73	725	788	2	0.75	0.020	42	52.1	0.088	4
93J851817	2.39	4.5	108	110	0.07	11.3	12.0	0.61	740	853	2	0.61	0.013	39	45.1	0.080	4
93J851818	2.73	4.2	162	139	0.08	11.4	1.0	1.08	430	461	2	0.59	0.016	83	102.8	0.078	3
93J851819	2.40	3.1	48	223	0.04	8.6	1.0	0.52	380	431	2	0.63	0.009	36	44.1	0.064	2
93J851820	2.31	3.1	42	48	0.04	6.7	1.0	0.52	380	440	2	0.61	0.008	37	40.7	0.063	2
93J851823	2.27	4.8	144	173	0.05	10.7	9.4	0.79	215	234	1	0.21	0.011	120	130.9	0.023	4
93J851824	1.58	1.3	84	83	0.04	3.5	37.0	0.35	620	592	2	1.14	0.013	25	23.9	0.116	1
93J851825	1.49	3.6	90	83	0.04	8.5	6.2	0.71	175	208	2	0.41	0.012	49	55.8	0.061	1
93J851826	2.25	4.4	168	200	0.05	15.0	15.4	0.61	330	350	1	0.36	0.011	70	84.7	0.086	2
93J851827	1.74	3.4	180	190	0.04	9.0	39.2	0.48	460	462	2	0.60	0.010	50	63.1	0.062	2
93J851828	2.16	5.5	168	189	0.07	20.2	30.2	0.84	620	643	6	6.68	0.011	47	58.2	0.114	3
93J851829	1.24	2.1	188	212	0.02	8.4	58.2	0.32	320	328	1	0.67	0.008	22	28.1	0.097	1
93J851830	1.65	3.8	126	140	0.04	7.1	23.2	0.57	400	413	2	0.38	0.015	40	46.2	0.082	1
93J851831	1.42	1.7	240	269	0.03	4.8	64.8	0.36	1250	1541	3	1.61	0.010	31	42.2	0.124	1
93J851832	4.20	6.9	57	60	0.07	7.3	11.4	0.76	1040	1047	2	1.13	0.012	34	40.8	0.088	2
93J851833	1.66	3.6	72	78	0.1	7.1	31.2	0.24	345	344	2	0.90	0.008	10	11.8	0.076	4
93J851834	2.07	4.2	129	149	0.09	27.9	38.4	0.41	270	298	2	1.01	0.010	16	20.7	0.157	5
93J851835	1.26	2.9	258	305	0.05	19.2	63.6	0.36	445	455	3	1.28	0.008	28	34.9	0.169	3
93J851836	1.92	4.2	108	119	0.05	9.5	7.8	0.61	355	355	2	0.28	0.009	33	39.0	0.080	2
93J851837	1.60	2.3	48	52	0.02	5.6	11.4	0.40	290	281	2	0.61	0.007	18	18.6	0.074	1
93J851838	1.53	2.4	35	58	0.02	5.8	15.6	0.41	370	371	1	0.89	0.008	18	19.8	0.065	1
93J851839	1.30	3.7	39	69	0.07	33.4	10.0	0.36	150	151	1	0.29	0.007	10	10.5	0.065	3
93J851840	2.28	5.0	32	54	0.09	18.5	9.0	0.42	565	576	1	0.96	0.005	17	20.1	0.057	10
93J851842	1.02	2.3	18	22	0.05	14.0	1.6	0.25	270	263	1	0.33	0.004	9	9.4	0.087	3
93J851843	2.18	4.0	35	51	0.1	18.0	6.2	0.42	1090	1279	1	0.67	0.007	15	19.6	0.098	6
93J851844	1.64	3.5	18	39	0.08	19.8	2.4	0.44	445	493	2	0.65	0.021	13	15.4	0.088	3
93J851845	2.08	4.4	28	184	0.09	22.7	4.6	0.48	435	467	2	0.49	0.007	17	19.1	0.090	6
93J851846	2.12	3.7	35	57	0.08	16.3	11.0	0.36	935	1027	2	0.95	0.007	18	21.6	0.087	4
93J851847	2.47	4.5	49	72	0.13	18.6	10.4	0.43	720	756	2	1.48	0.006	22	25.3	0.087	7
93J851848	1.89	3.2	46	56	0.06	10.9	10.0	0.44	460	478	2	1.26	0.010	18	20.0	0.082	3
93J851850	3.86	4.6	70	97	0.07	14.7	11.8	0.78	2450	2662	3	1.86	0.010	41	49.8	0.115	3
93J851851	1.29	2.9	105	144	0.07	11.5	28.0	0.60	135	138	3	2.10	0.011	68	77.9	0.097	3
93J851852	2.90	3.5	49	75	0.09	21.5	5.4	0.51	650	712	3	2.13	0.006	35	42.3	0.104	10
93J851853	2.78	3.2	49	62	0.09	20.2	4.8	0.48	660	685	2	2.07	0.006	33	40.0	0.098	9
93J851854	1.48	5.4	245	342	0.09	15.1	27.6	0.58	540	578	1	0.85	0.017	62	80.6	0.183	6
93J851855	2.39	1.8	28	49	0.05	15.6	5.2	0.28	560	607	6	6.10	0.006	37	44.2	0.230	7
93J851856	2.60	2.4	63	90	0.06	12.6	7.0	0.44	375	381	4	3.00	0.008	37	40.4	0.129	9
93J851857	2.00	3.7	105	138	0.06	10.6	31.4	0.55	750	785	3	1.75	0.008	35	40.7	0.116	10
93J851858	1.80	3.2	42	62	0.06	12.3	7.8	0.44	1000	1101	3	2.20	0.008	18	21.2	0.091	5
93J851859	1.02	0.4	175	220	0.04	1.7	87.2	0.17	930	978	2	0.92	0.005	4	4.0	0.170	1
93J851860	1.24	2.3	315	100	0.08	16.0	3.4	0.30	210	222	1	0.63	0.006	13	12.8	0.065	3
93J851862	1.38	3.6	56	62	0.1	13.9	10.6	0.35	155	171	2	0.71	0.008	13	13.8	0.108	5
93J851863	2.66	7.3	147	117	0.28	17.6	26.0	0.69	525	530	2	0.68	0.011	26	26.2	0.072	10
93J851864	0.26	0.5	77	95	0.1	4.9	65.4	0.07	35	37	2	0.98	0.008	6	6.0	0.108	4
93J851865	2.13	5.8	56	63	0.1	23.3	10.2	0.54	260	296	2	0.52	0.010	19	21.9	0.079	10
93J851866	2.97	4.1	70	80	0.15	22.4	9.4	0.45	2350	2468	3	1.70	0.016	22	25.7	0.095	8
93J851867	1.78	2.8	28	37	0.07	19.5	3.8	0.38	790	835	2	0.79	0.011	15	16.7	0.094	4

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93J851868	1.38	2.6	14	20	0.1	30.0	2.8	0.33	300	332	1	0.42	0.008	12	13.2	0.102	3
93J851869	1.35	3.8	98	121	0.11	18.8	7.6	0.46	205	209	2	1.43	0.010	18	18.9	0.078	4
93J851870	1.80	4.1	63	80	0.1	20.5	10.2	0.38	825	848	2	1.55	0.015	17	18.1	0.085	5
93J851871	3.38	4.3	112	85	0.07	11.8	12.0	0.73	250	2351	3	1.55	0.010	41	41.5	0.098	2
93J851872	1.92	3.9	74	91	0.05	10.8	6.4	0.59	265	290	1	0.61	0.009	21	22.8	0.082	2
93J851873	1.85	3.7	98	72	0.06	11.3	4.4	0.55	245	266	1	0.51	0.011	19	20.7	0.082	2
93J851874	1.76	0.1	224	223	0.02	0.5	85.6	0.20	100	118	8	7.77	0.006	1	1.4	0.105	1
93J851876	1.79	3.7	56	428	0.05	7.4	15.6	0.62	380	377	2	1.15	0.007	18	19.0	0.077	2
93J851877	1.75	1.1	343	335	0.06	5.0	78.4	0.18	5200	5446	3	3.45	0.004	15	18.5	0.183	3
93J851878	0.35	0.2	203	232	0.02	1.0	89.2	0.14	4100	4225	12	17.35	0.004	16	16.6	0.125	1
93J851879	1.75	2.9	217	246	0.05	7.5	26.8	0.63	235	235	2	1.25	0.006	56	59.3	0.078	3
93J851880	1.48	3.4	140	167	0.06	9.9	19.4	0.51	375	399	1	0.42	0.007	25	28.6	0.112	4
93J851882	0.85	0.4	217	232	0.02	1.7	79.0	0.14	1060	1176	3	1.67	0.004	10	10.4	0.136	1
93J851883	1.61	3.1	105	118	0.04	8.4	16.6	0.47	850	855	2	1.11	0.010	23	25.2	0.098	1
93J851884	0.67	1.1	154	176	0.02	4.2	70.6	0.27	35	61	2	1.25	0.005	20	19.2	0.111	2
93J851885	1.39	0.3	91	113	0.02	1.0	84.0	0.38	715	748	3	0.69	0.004	4	5.2	0.102	1
93J851886	0.92	1.2	140	160	0.04	4.8	68.2	0.31	130	148	3	1.08	0.006	16	15.9	0.078	2
93J851887	0.53	0.6	133	121	0.02	1.2	86.6	0.21	10	34	3	0.69	0.003	9	9.9	0.107	2
93J851888	3.14	4.0	56	68	0.09	30.6	6.4	0.61	240	275	2	0.37	0.005	24	29.0	0.088	13
93J851890	2.48	3.5	28	47	0.06	22.1	5.0	0.45	290	344	2	0.46	0.005	17	22.2	0.078	8
93J851891	0.63	1.0	168	158	0.03	4.6	34.6	0.76	575	87	2	0.68	0.005	9	9.3	0.095	2
93J851892	1.97	2.2	144	143	0.05	9.3	34.6	0.42	435	403	2	0.91	0.005	22	22.0	0.124	6
93J851893	0.47	0.5	176	169	0.03	1.6	83.6	0.35	90	118	5	3.10	0.004	15	15.7	0.121	3
93J851894	0.97	1.6	128	125	0.05	10.9	36.6	0.39	75	95	2	0.51	0.005	17	16.1	0.100	7
93J851895	1.24	2.5	104	129	0.06	15.1	24.2	0.30	185	196	2	0.31	0.006	15	17.4	0.075	7
93J851896	0.97	1.6	120	134	0.05	10.2	36.4	0.37	165	171	2	0.67	0.005	16	15.6	0.099	7
93J851897	0.24	0.2	192	182	0.4	1.1	85.4	0.22	2700	2745	3	1.42	0.026	4	5.2	0.353	6
93J851898	1.88	2.7	168	146	0.08	65.4	15.4	0.26	760	767	10	1.44	0.004	24	23.8	0.107	12
93J851899	2.71	3.1	184	122	0.09	31.6	11.4	0.41	770	784	3	1.57	0.004	34	33.9	0.112	17
93J851900	2.82	3.7	64	57	0.09	25.0	6.2	0.43	530	545	2	1.05	0.005	37	41.9	0.101	8
93J851902	1.41	3.5	192	191	0.07	22.5	33.6	0.33	195	237	2	0.41	0.005	28	30.7	0.136	6
93J851903	2.85	4.2	144	137	0.08	21.0	13.4	0.41	540	573	4	3.33	0.005	45	50.0	0.131	8
93J851904	0.82	1.6	72	67	0.04	8.2	24.4	0.25	415	446	2	0.23	0.003	10	10.4	0.092	3
93J851906	1.83	2.6	76	89	0.08	15.5	15.8	0.49	195	219	2	0.61	0.004	17	19.6	0.100	9
93J851907	1.52	1.6	52	51	0.07	14.5	9.0	0.32	460	457	3	1.22	0.003	17	18.3	0.084	6
93J851908	1.28	0.7	152	169	0.03	3.6	74.8	0.20	65	91	8	6.41	0.003	12	12.4	0.134	2
93J851909	1.73	1.9	48	37	0.05	9.7	4.6	1.07	525	557	2	0.40	0.003	16	17.8	0.065	8
93J851910	1.67	1.7	40	36	0.04	9.6	3.4	1.15	525	550	2	0.35	0.003	16	17.8	0.064	8
93J851911	1.96	2.4	64	79	0.07	14.0	4.0	0.58	530	553	4	1.74	0.005	25	29.8	0.117	7
93J851912	1.92	2.5	36	39	0.07	10.6	6.2	0.70	440	472	2	0.74	0.004	21	25.3	0.088	7
93J851913	1.33	1.6	32	35	0.07	9.2	5.4	2.18	390	464	2	0.61	0.005	14	17.9	0.073	5
93J851914	4.30	4.2	40	54	0.05	61.5	6.8	0.64	355	428	10	7.30	0.005	44	55.1	0.086	26
93J851915	1.32	2.0	120	132	0.05	50.2	62.8	0.35	835	972	10	20.75	0.006	7	9.6	0.117	19
93J851916	2.63	3.9	32	38	0.05	12.5	6.6	0.88	645	703	2	0.46	0.003	24	28.7	0.071	10
93J851917	2.61	3.2	8	13	0.05	31.4	1.8	0.56	325	400	2	0.47	0.003	21	28.0	0.057	12
93J851918	2.21	3.1	16	24	0.07	67.4	3.2	0.57	550	647	3	0.98	0.012	18	24.2	0.126	19
93J851919	2.33	3.2	16	24	0.04	45.1	3.6	0.76	420	464	2	0.67	0.004	22	26.8	0.071	10
93J851920	1.25	2.2	56	51	0.04	15.6	10.0	0.30	125	133	2	0.38	0.003	14	16.7	0.069	6
93J851922	1.37	2.1	32	39	0.05	28.5	7.8	0.30	310	323	2	0.24	0.003	13	15.4	0.059	5
93J851923	1.23	1.9	16	24	0.05	19.9	3.2	0.28	170	173	2	0.22	0.003	11	13.7	0.048	3
93J851925	1.88	1.8	24	27	0.05	24.5	4.4	0.26	535	524	2	0.57	0.003	14	16.6	0.050	8
93J851926	2.47	3.8	12	17	0.04	32.2	4.2	0.76	405	412	2	0.46	0.003	23	28.6	0.071	11

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93J851927	1.24	3.6	72	91	0.04	15.9	9.6	0.32	140	152	3	0.73	0.004	17	22.4	0.059	5
93J851928	1.84	3.0	112	135	0.09	14.4	28.8	0.42	270	267	2	0.78	0.009	20	21.7	0.104	8
93J851929	1.36	2.0	32	34	0.14	16.4	3.2	0.78	390	376	3	2.08	0.004	18	18.2	0.121	6
93J851930	2.75	4.3	64	84	0.15	21.4	5.0	1.03	410	420	2	0.45	0.011	29	30.5	0.062	10
93J851931	1.00	1.8	64	71	0.07	19.9	5.6	0.32	170	183	2	0.70	0.005	12	13.5	0.054	6
93J851932	1.11	1.3	32	44	0.06	15.4	2.6	0.61	280	301	2	1.28	0.003	15	14.6	0.065	4
93J851933	1.49	2.0	44	54	0.1	17.8	5.8	0.31	425	401	3	1.91	0.004	20	20.5	0.073	6
93J851934	1.34	2.6	176	223	0.13	13.3	11.2	0.19	740	720	3	2.18	0.006	41	44.5	0.133	5
93J851935	0.70	1.6	224	220	0.04	8.0	59.4	0.16	140	168	3	1.27	0.004	28	26.6	0.116	4
93J851936	1.05	2.1	144	205	0.12	10.9	9.6	0.14	130	142	6	4.58	0.004	48	43.5	0.147	7
93J851937	1.04	2.3	152	148	0.09	12.3	15.2	0.19	225	217	3	2.59	0.004	31	33.4	0.136	5
93J851938	0.11	0.2	224	219	0.02	0.7	85.6	0.14	415	414	7	4.69	0.004	10	10.0	0.101	2
93J851939	3.52	1.6	192	203	0.09	9.6	19.4	0.12	2500	2351	20	21.39	0.003	120	132.8	0.217	4
93J851940	0.86	1.9	152	156	0.07	10.9	10.2	0.16	135	138	2	0.95	0.003	54	58.6	0.077	5
93J851942	1.54	2.1	128	119	0.08	11.4	9.2	0.15	865	857	3	2.06	0.003	37	39.3	0.096	5
93J851943	1.48	2.0	144	133	0.07	11.2	10.0	0.15	905	837	3	2.00	0.003	38	38.7	0.099	5
93J851944	1.10	1.4	88	96	0.43	4.7	60.2	0.24	1020	1035	2	0.86	0.008	9	9.0	0.177	3
93J851945	1.07	1.8	132	133	0.07	11.0	32.0	0.28	425	421	2	0.41	0.004	16	16.0	0.120	5
93J851947	1.71	4.1	30	38	0.09	12.1	7.2	0.72	175	191	1	0.18	0.003	18	20.6	0.092	4
93J851948	1.48	2.5	51	68	0.06	13.1	11.0	0.36	190	195	1	0.40	0.004	21	21.6	0.087	5
93J851949	1.41	2.7	48	63	0.07	14.6	10.6	0.37	150	171	2	0.41	0.004	24	24.4	0.084	6
93J851950	0.58	1.2	54	67	0.05	8.6	4.8	0.22	155	184	2	0.81	0.003	11	13.1	0.063	2
93J851951	1.01	1.3	48	54	0.04	9.2	8.0	0.27	495	469	1	0.73	0.002	10	11.8	0.065	4
93J851952	0.90	2.6	162	208	0.06	16.6	28.8	0.25	140	158	2	1.96	0.004	19	20.7	0.123	6
93J851953	0.88	1.4	42	53	0.06	9.3	6.0	0.15	240	247	2	1.16	0.003	18	19.7	0.067	4
93J851954	1.03	2.1	174	204	0.04	6.8	58.0	0.39	455	433	4	3.19	0.011	45	45.1	0.104	4
93J851955	2.66	5.4	240	273	0.09	13.5	38.4	0.78	935	920	30	0.83	0.009	110	112.3	0.142	3
93J851956	2.11	3.7	102	109	0.07	9.2	7.8	0.67	670	671	1	0.52	0.012	54	59.7	0.084	2
93J851957	2.14	3.9	90	237	0.07	9.5	8.8	0.71	710	707	2	0.55	0.011	54	61.3	0.090	2
93J851958	2.27	3.2	198	237	0.06	12.6	46.8	0.49	520	504	2	0.74	0.007	43	42.8	0.135	2
93J851959	0.83	1.7	150	186	0.07	6.7	56.4	0.28	220	208	4	1.64	0.006	30	24.7	0.133	2
93J851960	2.12	4.3	180	196	0.08	13.2	30.0	0.65	320	339	2	0.57	0.011	56	56.7	0.092	3
93J851962	2.81	4.3	144	219	0.09	13.6	8.6	0.70	605	629	2	0.76	0.012	55	64.5	0.097	2
93J851963	2.82	4.1	14400	687	0.06	10.6	11.8	0.65	2050	2252	2	0.85	0.010	47	54.4	0.104	1
93J851964	0.37	0.4	180	192	0.02	2.3	84.4	0.23	145	156	3	1.05	0.007	27	24.7	0.132	1
93J851965	1.46	3.5	150	166	0.04	9.9	13.4	0.55	370	387	4	1.55	0.012	45	44.6	0.067	2
93J851966	1.87	4.1	252	207	0.03	11.3	31.2	0.61	480	477	2	0.63	0.009	57	57.3	0.077	2
93J851967	2.57	3.9	264	251	0.04	12.4	26.8	0.61	1150	1335	4	1.25	0.009	65	66.2	0.099	2
93J851968	2.06	3.4	126	137	0.03	8.2	9.4	0.50	960	1035	2	0.50	0.009	35	37.0	0.066	1
93J851969	1.49	2.2	216	238	0.09	5.3	65.4	0.41	310	317	3	1.00	0.012	32	31.4	0.149	2
93J851971	0.19	0.3	222	239	0.03	5.5	85.8	0.19	20	28	2	1.05	0.009	16	18.0	0.092	1
93J851972	1.36	3.1	120	131	0.04	10.0	11.4	0.56	260	282	2	0.76	0.009	33	34.5	0.075	2
93J851973	1.55	3.3	210	176	0.02	11.7	38.0	0.45	455	439	2	0.48	0.009	23	23.9	0.085	1
93J851974	0.92	2.7	175	152	0.04	11.6	50.6	0.26	165	177	2	0.37	0.008	26	22.6	0.084	3
93J851975	2.44	1.5	294	252	0.25	22.7	59.4	0.32	2750	2658	5	3.62	0.019	20	22.5	0.153	2
93J851976	1.11	3.2	182	157	0.09	14.0	43.8	0.29	315	312	3	1.70	0.010	16	15.8	0.115	8
93J851977	2.51	4.9	182	144	0.05	11.7	12.2	0.82	465	458	2	0.55	0.010	32	34.5	0.111	2
93J851978	2.30	4.0	91	78	0.05	7.7	14.8	0.78	580	597	2	0.51	0.009	22	24.4	0.112	1
93J851979	2.32	3.9	98	92	0.06	7.9	19.4	0.77	610	623	2	0.49	0.013	22	24.8	0.105	1
93J851980	0.80	2.8	329	267	0.02	13.6	37.0	0.32	140	142	2	0.19	0.007	13	14.6	0.112	1
93J851982	0.12	0.3	1150	263	0.01	5.4	61.6	0.04	75	17	2	0.11	0.002	8	2.1	0.025	2
93J851983	2.32	4.6	154	125	0.04	7.9	6.8	1.04	345	354	2	0.33	0.007	34	37.0	0.094	2

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93J851984	2.43	4.9	147	117	0.04	8.0	6.6	1.11	320	366	2	0.36	0.009	32	38.5	0.092	2
93J851985	2.33	5.2	112	111	0.04	8.3	9.8	1.00	320	366	1	0.58	0.010	31	39.3	0.099	2
93J851986	2.62	4.7	140	128	0.05	7.7	13.8	0.52	1020	1134	3	1.77	0.016	12	16.7	0.108	2
93J851987	2.08	4.2	357	291	0.05	13.1	40.8	0.40	795	845	2	1.86	0.008	13	15.9	0.287	3
93J851988	3.07	5.7	70	86	0.09	10.9	7.2	0.91	675	806	2	0.95	0.022	24	30.2	0.113	3
93J851989	2.66	5.0	105	99	0.09	12.9	13.2	0.65	560	591	2	0.72	0.011	26	32.5	0.103	2
93J851990	2.46	4.6	77	69	0.07	9.5	6.6	0.76	610	651	2	0.75	0.013	21	26.3	0.104	3
93J851991	3.21	5.6	147	138	0.06	12.3	10.2	0.84	720	721	1	0.81	0.010	34	37.8	0.117	6
93J851992	2.82	4.6	245	222	0.06	11.2	17.0	0.87	425	420	2	0.72	0.009	30	33.1	0.138	2
93J851993	0.48	1.2	350	292	0.02	7.2	61.6	0.16	65	63	2	0.95	0.006	8	8.2	0.073	1
93J851994	3.97	5.6	105	96	0.11	13.5	12.2	1.09	1600	1744	3	2.36	0.007	35	39.1	0.139	6
93J851996	3.83	5.9	91	86	0.09	15.0	9.6	1.16	1350	1519	4	2.07	0.008	37	40.3	0.128	5
93J851997	2.66	5.3	91	97	0.12	27.7	11.0	0.59	760	793	3	1.42	0.014	22	26.4	0.098	13
93J851998	2.77	5.6	105	90	0.08	17.0	13.6	0.42	585	577	3	2.20	0.006	14	16.4	0.082	14
93J851999	0.57	1.7	364	300	0.04	15.1	62.4	0.14	165	194	2	0.86	0.009	8	8.5	0.106	10
93J853000	-1	-1	-1	-1	-1	-1	-1.0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
93J853002	2.38	6.0	120	504	0.15	30.5	6.8	0.53	495	494	2	1.17	0.007	19	22.0	0.097	9
93J853003	3.38	7.2	15000	75	0.09	10.6	11.2	0.68	840	856	2	0.85	0.010	54	65.6	0.101	3
93J853004	2.54	3.8	50	413	0.06	12.2	31.0	0.60	460	448	2	0.74	0.016	34	40.2	0.096	2
93J853005	2.11	3.7	800	151	0.05	13.6	16.0	0.56	555	523	2	0.69	0.015	28	31.7	0.094	1
93J853006	1.97	3.4	50	113	0.04	9.9	19.0	0.48	385	382	2	1.31	0.014	20	21.6	0.102	1
93J853007	1.67	3.7	90	178	0.05	13.7	30.2	0.47	805	821	3	1.81	0.017	26	26.2	0.146	2
93J853008	3.08	5.5	60	138	0.06	13.3	9.8	0.71	1010	1033	2	1.49	0.018	28	32.8	0.112	2
93J853009	2.11	5.3	55	111	0.1	12.3	16.8	0.57	290	294	2	1.65	0.015	27	31.0	0.122	7
93J853010	0.79	1.0	140	226	0.05	7.3	71.6	0.14	-1	711	3	1.53	0.008	13	11.1	0.146	2
93J853011	1.94	4.2	60	216	0.1	14.7	8.6	0.49	590	574	2	1.36	0.012	21	23.5	0.064	6
93J853012	1.06	2.8	200	298	0.04	12.6	63.6	0.24	120	120	2	0.88	0.008	17	16.6	0.170	2
93J853013	1.32	4.2	100	195	0.07	21.6	28.6	0.49	170	203	5	4.71	0.013	22	23.4	0.115	4
93J853014	2.10	4.5	70	116	0.08	10.7	9.4	0.64	290	299	2	1.28	0.016	26	29.4	0.097	4
93J853016	2.43	4.0	60	93	0.06	9.4	6.2	0.64	490	495	1	0.72	0.013	25	28.7	0.101	2
93J853017	2.47	4.0	70	94	0.06	9.3	5.6	0.66	495	523	1	0.70	0.012	26	29.0	0.097	2
93J853018	2.54	4.3	80	113	0.06	9.2	16.0	0.62	430	447	1	0.56	0.011	22	24.6	0.101	2
93J853019	2.30	4.0	100	112	0.04	8.1	17.8	0.52	1150	1330	2	0.71	0.009	34	39.2	0.091	1
93J853020	0.42	0.4	320	331	0.02	1.8	91.0	0.13	260	268	3	0.65	0.008	24	21.9	0.100	1
93J853022	1.83	2.0	260	291	0.04	8.6	50.6	0.35	3350	3370	4	2.96	0.013	29	32.8	0.135	1
93J853024	2.77	4.1	100	135	0.08	11.9	10.2	0.57	2400	2447	4	1.89	0.012	28	33.1	0.090	3
93J853025	1.31	3.6	180	233	0.05	9.1	32.0	0.56	220	233	4	2.31	0.013	53	59.0	0.097	3
93J853026	2.59	4.8	110	158	0.07	14.2	13.2	0.72	855	898	2	0.47	0.033	31	38.7	0.097	2
93J853027	0.49	1.8	250	337	0.03	11.3	60.0	0.21	65	69	2	0.61	0.011	28	27.6	0.126	2
93J853028	0.31	0.8	370	430	0.03	17.1	56.2	0.12	50	58	2	0.46	0.007	19	18.7	0.114	1
93J853029	1.28	2.2	300	353	0.03	18.9	67.2	0.33	490	479	3	2.25	0.007	41	42.5	0.079	2
93J853030	2.28	4.5	70	142	0.06	16.0	11.0	0.64	770	783	1	0.60	0.010	39	44.7	0.085	3
93J853031	1.61	3.1	50	54	0.03	7.6	4.0	0.52	355	383	1	0.26	0.009	20	23.5	0.057	1
93J853032	1.86	3.5	40	56	0.03	6.3	6.4	0.37	705	705	2	0.76	0.009	20	22.4	0.055	3
93J853033	2.64	5.6	120	157	0.07	21.7	18.0	0.70	2750	2920	2	0.95	0.016	39	49.0	0.083	3
93J853034	1.79	2.7	30	43	0.03	8.5	2.0	0.51	270	340	1	0.37	0.010	22	27.6	0.052	1
93J853035	1.81	2.7	30	40	0.03	7.3	2.0	0.50	265	336	1	0.34	0.009	21	27.5	0.050	1
93J853036	4.00	1.2	230	334	0.02	5.2	76.6	0.25	3750	4027	2	5.60	0.008	54	77.1	0.148	1
93J853037	1.42	0.4	120	214	0.01	2.1	86.6	0.20	2100	2148	4	2.62	0.006	16	18.6	0.079	1
93J853038	1.61	3.1	280	310	0.07	18.8	52.0	0.42	280	277	2	1.66	0.011	39	41.2	0.143	2
93J853039	0.66	1.7	150	185	0.02	4.2	83.6	0.29	740	725	4	1.15	0.007	28	26.9	0.105	1
93J853040	1.68	1.6	260	363	0.03	5.7	72.8	0.32	1400	1409	2	1.98	0.008	44	49.7	0.107	1

Appendix A - Sample Information and Analytical Data

MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J853042	1.79	2.6	65	88	0.02	6.5	9.4	0.41	245	268	2	0.63	0.010	19	23.0	0.071	1
93J853043	1.39	2.5	280	120	0.03	6.9	18.6	0.52	350	412	2	1.20	0.009	27	30.6	0.064	1
93J853044	1.11	2.4	230	187	0.03	10.0	38.8	0.35	280	279	4	3.62	0.012	26	26.0	0.098	1
93J853046	3.07	2.8	270	273	0.04	11.4	50.2	0.40	1300	1486	10	4.02	0.010	28	32.0	0.178	1
93J853047	2.56	6.5	400	489	0.07	28.1	18.6	0.77	325	323	1	0.22	0.010	110	120.7	0.042	5
93J853048	2.57	0.3	250	284	0.02	0.5	87.8	0.24	4900	5080	3	0.51	0.006	5	6.6	0.131	1
93J853049	1.08	0.4	140	167	0.12	1.4	84.0	0.34	1100	1352	4	2.14	0.016	10	9.5	0.138	2
93J853050	1.19	4.1	410	530	0.04	19.3	66.4	0.52	170	202	3	1.14	0.009	79	78.6	0.091	3
93J853051	0.35	0.5	160	198	0.03	2.0	91.6	0.23	205	217	4	2.54	0.010	28	28.8	0.127	1
93J853052	0.93	0.1	180	187	0.02	0.5	88.2	0.17	255	276	2	0.97	0.005	2	2.2	0.117	1
93J853053	0.26	0.1	80	95	0.02	0.5	92.4	0.19	40	45	3	0.51	0.006	1	1.4	0.116	2
93J853054	1.88	2.1	15	26	0.05	27.7	3.4	0.30	340	326	1	0.33	0.002	15	17.1	0.084	5
93J853055	1.88	2.1	8	16	0.05	25.8	2.4	0.30	315	313	2	0.32	0.003	15	16.3	0.074	5
93J853056	1.54	1.9	16	28	0.07	17.6	6.6	0.19	735	709	2	0.35	0.002	10	11.8	0.089	10
93J853057	1.69	2.0	12	22	0.05	27.2	3.4	0.28	415	379	2	0.24	0.002	17	17.0	0.079	6
93J853058	2.29	2.6	16	30	0.06	32.3	3.6	0.35	425	408	2	0.27	0.003	18	20.8	0.081	10
93J853059	2.35	2.9	22	43	0.03	37.8	2.8	0.37	375	392	1	0.28	0.002	18	21.3	0.073	10
93J853060	2.58	2.4	16	23	0.06	39.2	4.2	0.39	585	592	1	0.35	0.002	22	23.8	0.084	16
93J853062	2.78	3.7	36	59	0.08	24.0	9.0	0.42	775	750	1	0.43	0.007	21	24.1	0.089	14
93J853063	1.99	2.0	14	29	0.05	31.8	2.4	0.28	355	377	1	0.23	0.003	15	16.3	0.084	11
93J853064	1.86	1.8	12	21	0.05	30.9	2.6	0.26	340	365	1	0.24	0.002	14	15.6	0.080	10
93J853065	1.98	2.1	12	24	0.07	38.3	3.0	0.26	400	408	2	0.28	0.003	15	18.0	0.085	14
93J853066	1.90	2.0	8	15	0.03	39.1	1.8	0.26	240	278	1	0.24	0.002	12	15.2	0.064	9
93J853067	1.42	1.3	12	18	0.05	30.9	1.8	0.18	270	266	1	0.19	0.002	11	12.3	0.086	9
93J853068	1.51	1.5	12	19	0.07	34.2	2.0	0.18	315	336	1	0.23	0.003	10	13.0	0.088	9
93J853069	3.04	2.6	24	34	0.06	31.5	4.4	0.32	805	843	1	0.34	0.003	18	21.5	0.084	17
93J853070	3.93	3.4	28	39	0.04	18.6	6.2	0.41	525	567	1	0.40	0.006	22	25.4	0.068	21
93J853071	4.46	3.5	24	37	0.04	14.7	5.4	0.41	820	896	2	0.44	0.006	25	31.3	0.068	22
93J853072	3.17	2.4	20	35	0.04	16.0	4.4	0.34	940	1036	1	0.36	0.003	16	20.1	0.068	12
93J853073	4.96	4.2	28	38	0.02	11.9	4.0	0.56	715	770	2	0.42	0.003	28	33.9	0.068	19
93J853074	2.46	2.3	14	22	0.05	26.7	2.4	0.32	445	463	2	0.28	0.003	17	20.2	0.065	15
93J853075	4.65	4.5	18	28	0.1	18.1	4.4	0.50	565	642	2	0.43	0.022	25	32.0	0.061	21
93J853076	2.35	3.2	28	40	0.1	28.0	5.0	0.36	555	592	2	0.38	0.012	18	21.7	0.073	10
93J853078	2.22	2.7	34	45	0.08	28.7	9.8	0.36	555	562	2	0.34	0.003	16	18.6	0.114	12
93J853079	2.99	3.3	18	58	0.06	33.4	3.2	0.48	480	499	2	0.34	0.006	20	24.3	0.069	13
93J853080	2.64	1.9	28	30	0.08	29.8	7.8	0.26	920	974	1	0.41	0.003	18	21.6	0.136	11
93J853083	2.09	1.9	13	13	0.04	32.4	1.0	0.28	535	487	1	0.26	0.003	16	18.5	0.070	10
93J853084	2.92	2.5	1220	3658	0.06	37.3	4.0	0.33	565	540	2	0.43	0.005	21	24.2	0.075	15
93J853085	2.98	2.5	8320	1595	0.06	33.0	4.6	0.34	660	621	2	0.34	0.005	22	24.9	0.076	22
93J853086	1.55	1.5	13	9	0.03	16.1	1.2	0.76	365	399	2	0.24	0.003	10	11.7	0.068	5
93J853087	1.38	1.4	13	5	0.03	15.8	1.4	0.45	315	298	2	0.19	0.003	9	10.4	0.054	5
93J853088	2.93	3.6	29	60	0.11	20.3	4.4	0.74	965	922	2	0.50	0.009	21	24.1	0.076	15
93J853089	2.75	3.1	51	58	0.07	18.0	5.0	0.72	690	663	3	0.64	0.005	18	22.8	0.081	12
93J853090	1.97	2.4	26	36	0.08	25.9	3.8	1.28	575	580	2	0.42	0.005	14	15.7	0.116	9
93J853091	1.39	1.5	13	22	0.05	15.4	3.2	2.24	475	470	2	0.45	0.004	10	9.7	0.084	7
93J853092	2.04	2.0	19	28	0.08	14.4	3.6	0.70	565	514	1	0.38	0.005	14	14.6	0.054	8
93J853093	3.50	4.0	26	41	0.07	24.7	6.4	0.46	1110	1123	1	0.40	0.004	23	26.6	0.068	12
93J853094	2.31	2.9	13	16	0.06	27.0	2.8	0.71	490	475	2	0.34	0.003	16	19.5	0.088	8
93J853095	2.91	3.6	13	39	0.11	42.3	4.4	0.38	700	692	1	0.43	0.017	25	28.5	0.074	13
93J853096	3.03	4.2	32	45	0.09	22.3	7.2	0.43	1030	1120	1	0.54	0.004	22	26.1	0.063	10
93J853097	2.46	3.2	19	36	0.05	36.3	4.2	0.36	495	465	1	0.56	0.010	20	24.7	0.064	13
93J853098	2.47	3.8	32	45	0.06	59.1	9.4	0.38	525	509	1	0.42	0.015	39	31.5	0.060	10

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93J853099	3.87	7.0	102	126	0.13	18.0	34.8	1.08	1350	1267	4	2.29	0.010	180	174.5	0.154	5
93J853100	1.96	1.9	51	50	0.03	14.9	1.4	0.74	425	422	1	0.23	0.003	12	15.2	0.063	6
93J853102	2.81	3.4	19	32	0.06	22.9	4.4	0.48	630	615	1	0.44	0.003	22	27.0	0.065	17
93J853103	4.05	2.9	38	51	0.04	14.5	6.6	0.36	1050	1088	1	0.46	0.003	22	25.8	0.072	24
93J853104	4.48	3.9	42	56	0.03	9.5	4.4	0.50	595	597	1	0.41	0.003	26	32.3	0.067	22
93J853105	4.58	5.0	22	29	0.04	16.9	3.2	0.56	675	749	2	0.47	0.003	28	32.7	0.060	18
93J853106	4.47	4.4	13	27	0.03	15.0	3.2	0.66	700	741	1	0.46	0.003	23	30.9	0.063	20
93J853107	4.24	4.4	19	20	0.03	14.4	2.8	0.53	680	709	1	0.43	0.002	27	30.0	0.055	19
93J853108	4.24	5.1	26	36	0.04	20.2	7.0	0.63	830	825	2	0.51	0.003	26	27.3	0.064	21
93J853109	3.56	4.2	13	48	0.04	51.9	6.4	0.50	765	798	1	0.43	0.003	28	31.8	0.086	23
93J853110	3.52	4.2	38	54	0.04	54.8	9.0	0.50	870	895	1	0.47	0.003	31	33.0	0.087	25
93J853111	4.23	4.5	32	49	0.05	22.1	3.2	0.65	735	790	2	0.40	0.003	29	31.9	0.063	22
93J853112	2.81	3.5	26	27	0.06	27.1	4.8	0.38	655	632	1	0.32	0.004	22	23.7	0.064	10
93J853113	1.80	1.8	26	35	0.05	17.7	3.6	0.26	715	698	1	0.31	0.003	13	14.5	0.064	7
93J853114	2.79	3.4	26	38	0.07	41.4	5.0	0.40	655	685	2	0.51	0.003	29	32.2	0.088	15
93J853115	1.98	2.4	38	53	0.07	14.0	11.8	0.46	585	586	2	0.50	0.005	20	20.1	0.073	6
93J853116	2.23	2.9	32	49	0.06	31.0	4.0	0.42	585	588	1	0.35	0.004	23	25.8	0.075	8
93J853117	3.10	3.8	13	25	0.06	31.0	2.6	0.46	485	503	1	0.40	0.007	25	28.9	0.064	9
93J853118	2.16	2.4	13	18	0.06	35.3	2.2	0.32	365	373	2	0.31	0.002	19	20.3	0.081	9
93J853119	2.55	2.9	13	27	0.07	34.5	3.2	0.37	510	520	2	0.38	0.003	24	27.8	0.090	11
93J853122	2.20	2.7	8	17	0.05	34.2	4.0	0.33	365	400	2	0.32	0.003	25	27.6	0.065	8
93J853123	2.45	3.3	12	27	0.04	28.2	6.2	0.34	485	565	1	0.35	0.003	19	22.3	0.063	10
93J853124	2.18	2.6	216	54	0.05	43.7	4.6	0.31	365	396	1	0.31	0.003	20	20.3	0.070	11
93J853125	3.44	3.4	21	43	0.07	45.7	5.0	0.43	815	928	2	0.52	0.010	26	26.1	0.071	15
93J853126	3.29	3.3	17	35	0.07	31.2	3.8	0.47	680	749	1	0.46	0.007	23	25.8	0.071	13
93J853127	2.61	2.5	183	4437	0.05	33.4	3.6	0.37	645	643	2	0.32	0.005	20	21.0	0.071	12
93J853128	2.53	2.2	66	96	0.04	30.8	4.2	0.36	550	566	2	0.30	0.003	19	20.5	0.069	11
93J853129	2.34	2.7	12	25	0.05	35.5	4.8	0.33	415	407	2	0.31	0.002	18	21.3	0.082	8
93J853130	2.18	2.3	8	15	0.06	33.0	3.2	0.36	415	428	1	0.29	0.003	18	21.4	0.098	6
93J853131	2.12	2.4	12	22	0.04	36.2	3.2	0.30	340	389	1	0.29	0.003	16	19.6	0.060	9
93J853132	2.49	2.9	12	24	0.05	35.5	3.6	0.41	360	399	2	0.38	0.004	20	24.4	0.075	7
93J853133	0.51	1.0	149	175	0.12	2.4	82.6	0.28	110	114	3	1.52	0.010	27	27.7	0.118	2
93J853134	2.63	3.7	108	99	0.05	8.6	8.0	0.77	720	866	2	1.09	0.011	74	91.6	0.061	1
93J853136	2.47	3.5	60	116	0.04	7.8	10.0	0.66	445	431	1	0.41	0.015	46	46.4	0.084	1
93J853137	3.85	6.3	95	151	0.13	18.1	12.2	1.51	805	827	2	1.36	0.013	270	293.4	0.084	3
93J853138	2.05	3.7	75	146	0.05	13.3	19.4	0.74	365	370	3	2.27	0.014	91	103.4	0.079	1
93J853139	2.51	4.2	90	150	0.06	17.0	13.8	0.89	730	748	2	1.28	0.017	120	140.2	0.088	1
93J853140	2.18	4.1	80	204	0.05	14.0	20.2	0.77	360	418	4	2.45	0.015	91	112.8	0.086	1
93J853142	1.14	4.1	90	99	0.05	9.0	23.0	0.28	160	157	2	0.78	0.010	23	26.1	0.124	3
93J853143	0.45	0.9	90	132	0.03	4.0	88.0	0.21	50	46	3	1.38	0.010	17	19.2	0.090	1
93J853144	1.05	2.7	134	179	0.04	8.4	62.2	0.34	330	328	2	0.51	0.008	34	35.6	0.113	1
93J853145	1.45	3.8	115	141	0.05	14.3	22.0	0.49	505	501	1	0.83	0.012	43	47.5	0.090	3
93J853146	4.23	7.5	102	114	0.09	18.6	20.0	0.69	1080	1071	2	1.59	0.010	110	123.6	0.192	5
93J853147	0.89	2.3	192	232	0.04	17.6	67.6	0.28	275	258	3	2.20	0.006	48	49.1	0.130	2
93J853149	2.97	4.8	70	83	0.06	15.9	8.4	0.81	2100	2298	2	1.51	0.017	97	124.3	0.085	2
93J853150	1.40	2.8	102	118	0.05	8.6	39.6	0.49	165	157	4	3.84	0.012	50	51.0	0.081	3
93J853151	1.74	3.5	141	155	0.05	10.8	28.2	0.61	815	767	2	0.94	0.011	78	81.8	0.088	2
93J853152	2.71	5.2	173	198	0.08	21.3	29.4	0.79	755	695	2	0.75	0.009	200	215.3	0.107	3
93J853153	1.74	4.0	192	204	0.04	14.1	35.8	0.54	435	403	3	2.22	0.014	84	93.6	0.096	3
93J853154	0.73	2.2	96	201	0.05	9.0	51.4	0.50	160	163	4	2.89	0.013	55	56.4	0.099	1
93J853155	1.15	2.9	237	273	0.04	8.9	60.2	0.58	125	122	3	2.12	0.010	180	167.2	0.111	1
93J853156	1.83	4.3	96	125	0.06	9.0	19.0	0.58	705	685	2	0.70	0.015	40	40.7	0.117	4

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93J853157	2.06	3.7	58	75	0.05	9.0	7.6	0.71	480	475	1	0.60	0.015	45	52.0	0.078	1
93J853158	2.61	6.0	160	194	0.08	16.4	28.6	0.65	680	627	2	0.88	0.012	78	91.0	0.158	4
93J853159	2.77	6.1	192	199	0.08	17.5	29.2	0.62	610	576	1	0.76	0.010	80	89.1	0.171	3
93J853160	1.38	3.5	115	145	0.04	7.8	24.2	0.43	245	238	1	0.52	0.010	42	44.8	0.057	1
93J853162	5.12	1.3	260	262	0.02	9.3	83.6	0.17	280	278	3	3.94	0.007	51	57.9	0.148	1
93J853163	0.73	1.6	299	329	0.07	3.8	85.8	0.42	425	408	2	1.23	0.008	54	55.8	0.151	2
93J853164	2.79	4.2	175	148	0.1	12.5	5.6	1.03	650	660	1	0.97	0.023	73	82.8	0.082	3
93J853165	2.76	4.2	174	209	0.09	11.4	5.4	1.02	655	671	2	0.97	0.020	73	80.5	0.080	4
93J853166	2.47	4.9	158	172	0.08	16.7	24.2	0.84	515	502	1	0.45	0.020	110	118.5	0.112	3
93J853167	2.86	4.7	1530	156	0.07	13.2	10.4	0.78	1550	1611	1	0.84	0.017	79	94.4	0.093	2
93J853168	1.07	1.6	208	241	0.06	3.1	75.6	0.53	335	315	2	1.28	0.013	56	57.3	0.149	1
93J853169	1.32	3.3	174	209	0.06	8.8	53.4	0.51	455	433	1	0.70	0.012	72	78.4	0.127	3
93J853170	0.56	1.0	183	230	0.03	2.2	84.4	0.49	355	347	4	2.78	0.013	26	25.3	0.122	1
93J853171	3.81	5.9	125	158	0.12	13.3	6.4	1.29	1400	1396	2	1.31	0.017	150	154.9	0.074	7
93J853172	1.53	2.5	58	73	0.03	5.6	7.2	0.55	380	367	2	0.81	0.013	30	28.7	0.054	1
93J853173	1.01	2.2	141	136	0.05	10.9	28.2	0.44	275	257	2	1.28	0.010	46	43.3	0.106	2
93J853174	1.56	3.4	141	108	0.05	8.5	23.0	0.54	550	534	2	0.88	0.016	38	39.3	0.092	2
93J853175	0.57	1.4	133	148	0.03	4.9	85.4	0.31	175	171	2	1.05	0.010	45	42.7	0.105	1
93J853176	2.77	3.6	158	175	0.12	10.9	45.2	0.60	3250	3015	2	1.16	0.021	72	75.6	0.180	2
93J853177	1.88	5.1	125	126	0.06	18.7	20.6	0.60	570	555	1	0.67	0.011	84	92.0	0.080	3
93J853178	1.12	2.6	232	271	0.09	16.0	74.8	0.33	355	322	2	1.27	0.018	59	64.2	0.153	2
93J853179	1.45	3.5	282	271	0.07	32.9	64.2	0.44	265	246	2	0.80	0.009	120	103.6	0.180	2
93J853182	2.52	4.0	83	56	0.09	9.7	12.6	0.60	785	730	1	0.89	0.010	72	72.5	0.088	2
93J853183	1.86	4.6	141	168	0.05	13.1	17.6	0.56	350	328	2	0.51	0.010	62	65.2	0.084	2
93J853184	2.39	4.3	83	96	0.08	13.4	12.2	0.61	775	736	2	0.83	0.015	70	74.0	0.060	4
93J853186	3.06	6.5	100	134	0.14	11.7	18.4	0.81	675	630	2	1.10	0.011	70	71.0	0.111	5
93J853187	2.89	5.1	75	102	0.08	10.0	12.4	0.90	1130	1139	2	0.79	0.012	59	61.7	0.082	3
93J853188	2.71	4.7	75	89	0.07	9.1	10.6	0.85	895	829	2	0.66	0.010	57	56.5	0.077	4
93J853189	3.56	6.3	58	71	0.17	11.4	16.4	0.75	1700	1513	2	1.44	0.015	51	54.2	0.097	10
93J853190	2.95	4.0	50	58	0.09	11.8	7.4	0.69	1200	1302	2	0.81	0.013	38	44.7	0.089	5
93J853191	3.35	7.1	133	146	0.15	17.2	24.2	0.68	695	691	1	0.59	0.013	41	46.6	0.165	10
93J853192	2.32	3.2	42	59	0.05	8.7	3.8	0.63	600	608	1	0.64	0.012	42	47.7	0.061	1
93J853193	1.36	2.1	200	233	0.03	13.7	75.2	0.32	570	530	2	0.93	0.008	35	35.7	0.147	1
93J853194	3.90	8.9	125	131	0.1	14.1	24.4	0.75	2250	2423	2	2.14	0.009	97	114.3	0.146	3
93J853195	1.13	3.8	100	118	0.04	14.9	16.0	0.28	460	432	1	0.35	0.009	39	43.8	0.081	3
93J853196	1.80	6.0	108	125	0.06	13.5	21.2	0.52	440	437	1	0.36	0.008	59	66.7	0.113	4
93J853197	2.99	4.0	83	90	0.05	14.0	17.6	0.49	1040	1076	2	1.01	0.010	49	53.6	0.119	3
93J853198	0.82	1.7	241	296	0.04	16.2	73.8	0.24	535	545	3	1.18	0.009	39	40.7	0.207	1
93J853199	2.50	6.5	116	146	0.09	13.2	18.4	0.72	875	899	2	0.74	0.010	90	102.8	0.144	5
93J853200	3.43	4.5	315	316	0.07	19.4	56.6	0.75	1800	1854	3	2.55	0.009	210	211.1	0.125	2
93J853202	2.69	3.9	125	124	0.06	10.1	15.4	0.85	560	571	2	1.69	0.010	94	102.3	0.079	3
93J853203	2.85	4.2	241	217	0.06	12.1	14.6	0.71	725	752	2	1.00	0.011	77	80.8	0.112	2
93J853204	1.67	4.4	274	263	0.06	11.2	36.2	0.59	425	422	2	0.81	0.009	63	71.6	0.125	3
93J853205	3.92	4.5	125	123	0.06	10.8	7.8	1.00	1650	1789	2	1.30	0.010	91	102.4	0.101	1
93J853206	2.70	4.0	150	145	0.07	10.1	9.0	0.82	615	621	1	0.50	0.012	71	81.9	0.093	1
93J853207	1.23	3.5	470	407	0.07	11.8	62.0	0.46	360	325	2	1.10	0.008	77	81.1	0.153	1
93J853208	3.78	4.1	208	198	0.06	13.3	12.6	0.69	1600	1600	2	1.47	0.012	70	73.6	0.109	2
93J853209	4.12	4.2	332	200	0.05	13.3	11.2	0.67	1600	1635	2	1.68	0.012	67	70.7	0.111	1
93J853210	1.82	4.4	274	258	0.06	12.3	28.4	0.60	290	283	4	4.81	0.013	65	71.6	0.088	4
93J853211	1.52	3.3	199	194	0.04	8.9	9.8	0.60	250	237	1	1.20	0.012	64	65.1	0.064	1
93J853212	2.41	3.9	91	82	0.06	9.5	7.2	0.82	495	495	1	0.74	0.010	98	119.2	0.070	2
93J853213	1.67	3.8	290	245	0.05	10.8	11.8	0.62	345	315	1	0.63	0.011	73	76.4	0.061	3

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MASTER_ID	Fe_%_MS	Ga_ppm_MS	Hg_ppb_AA	Hg_ppb_MS	K_%_MS	La_ppm_MS	LOI_%	Mg_%_MS	Mn_ppm_AA	Mn_ppm_MS	Mo_ppm_AA	Mo_ppm_MS	Na_%_MS	Ni_ppm_AA	Ni_ppm_MS	P_%_MS	Pb_ppm_AA
93J853215	0.83	1.8	257	248	0.03	6.3	70.0	0.36	160	145	3	1.66	0.010	72	72.0	0.109	2
93J853216	2.20	4.4	125	109	0.06	9.3	7.2	0.66	535	550	1	0.53	0.010	54	62.3	0.063	2
93J853217	0.70	1.2	291	254	0.03	4.0	81.8	0.28	165	151	2	0.87	0.010	40	37.1	0.120	2
93J853218	1.82	3.0	91	73	0.06	11.6	8.8	0.33	630	622	1	0.52	0.004	21	21.4	0.068	7
93J853219	1.22	2.1	58	54	0.08	8.4	5.0	0.26	265	250	1	0.67	0.004	19	19.2	0.058	2
93J853220	1.06	1.7	75	58	0.05	9.8	6.6	0.16	200	207	1	0.47	0.003	14	14.3	0.058	4
93J853223	2.49	2.1	66	66	0.05	11.7	8.2	0.17	2850	2866	1	0.59	0.005	15	16.1	0.053	5
93J853224	0.50	0.9	160	157	0.13	3.9	66.2	0.13	95	89	1	1.12	0.015	8	8.6	0.159	4
93J853225	3.54	2.2	108	94	0.06	12.0	23.0	0.18	380	384	2	0.97	0.006	10	12.1	0.155	2
93J853226	2.88	4.0	58	53	0.09	15.0	4.4	0.71	1070	1160	1	0.90	0.022	43	49.5	0.093	7
93J853227	2.92	4.0	66	88	0.08	16.1	6.6	0.57	750	806	2	1.47	0.021	31	37.0	0.100	5
93J853228	2.56	3.7	58	69	0.08	15.2	5.4	0.52	405	434	2	1.13	0.023	28	32.7	0.096	3
93J853229	2.57	3.4	83	44	0.08	19.8	3.6	1.06	485	515	1	0.46	0.008	26	29.6	0.073	8
93J853230	3.61	5.4	83	81	0.11	18.1	10.6	0.68	965	1106	3	1.81	0.019	32	36.0	0.093	10
93J853231	1.87	2.9	33	35	0.06	12.0	5.0	0.39	860	955	1	0.50	0.010	22	25.9	0.062	4
93J853232	1.87	2.6	58	51	0.05	8.7	2.0	0.59	360	407	1	0.36	0.012	36	43.0	0.061	4
93J853233	2.62	4.2	116	110	0.08	12.4	9.8	0.76	495	505	2	0.62	0.017	47	50.6	0.096	9
93J853234	0.33	1.0	207	200	0.04	6.0	84.4	0.17	70	69	2	1.44	0.009	17	17.6	0.107	4
93J853235	2.20	4.5	158	110	0.07	12.9	9.4	0.61	430	436	1	0.34	0.011	36	40.6	0.073	5
93J853236	1.14	4.0	108	89	0.04	8.9	12.0	0.33	295	294	1	0.28	0.012	16	17.8	0.078	4
93J853237	0.56	1.9	199	178	0.05	8.2	73.8	0.13	130	111	2	2.01	0.010	25	23.2	0.151	3
93J853238	1.57	3.0	125	110	0.05	15.6	26.2	0.39	445	462	1	0.87	0.016	29	29.6	0.099	3
93J853239	1.06	1.6	199	187	0.04	13.7	75.2	0.37	310	281	2	1.31	0.012	39	33.2	0.147	2
93J853240	2.46	6.7	257	233	0.12	60.8	37.2	0.50	1500	1603	2	1.74	0.016	67	70.3	0.156	5
93J853242	3.17	6.1	83	92	0.15	14.9	20.0	0.69	1050	1147	1	1.74	0.021	73	86.9	0.130	3
93J853243	2.30	3.2	46	44	0.08	11.9	7.8	0.50	1300	1343	1	1.05	0.017	37	41.1	0.088	1
93J853244	1.84	3.1	42	49	0.05	9.4	3.8	0.45	675	700	1	0.34	0.012	29	32.6	0.065	5
93J853245	1.04	2.2	37	39	0.03	6.9	3.8	0.34	175	192	1	0.21	0.009	18	19.8	0.043	1
93J853246	0.74	2.4	149	144	0.04	8.2	55.8	0.24	170	168	3	1.26	0.012	33	31.6	0.124	2
93J853247	1.72	2.5	46	43	0.03	7.4	5.8	0.42	755	751	1	0.60	0.010	30	31.7	0.057	2
93J853248	1.44	3.8	141	141	0.05	10.7	29.2	0.33	340	339	2	0.74	0.013	33	33.6	0.111	3
93J853249	1.43	3.8	141	123	0.05	10.5	29.0	0.33	350	342	1	0.68	0.010	32	32.4	0.111	3
93J853250	1.69	5.1	141	125	0.07	15.3	20.0	0.40	1080	1161	1	0.38	0.011	48	56.1	0.096	4
93J853251	2.46	3.1	29	31	0.06	10.1	3.6	0.54	405	428	1	0.65	0.011	38	46.9	0.074	2
93J853252	1.49	3.7	125	116	0.05	14.5	30.0	0.39	280	261	1	1.16	0.014	23	27.1	0.096	3
93J853253	2.10	2.4	25	24	0.07	11.0	3.2	0.46	490	461	1	0.53	0.016	30	32.5	0.071	1
93J853254	2.06	2.6	42	35	0.07	11.0	7.8	0.44	330	319	1	0.66	0.018	25	28.8	0.081	2
93J853255	2.38	2.9	33	28	0.07	10.9	3.0	0.43	845	862	1	0.79	0.015	22	26.3	0.078	2
93J853256	2.24	2.8	33	33	0.07	11.7	3.2	0.44	885	949	2	0.71	0.018	27	30.1	0.081	2
93J853257	2.99	3.6	50	42	0.1	14.1	4.8	0.55	660	670	1	0.57	0.019	31	34.5	0.097	5
93J853258	2.34	4.4	83	76	0.13	17.6	22.8	0.61	335	329	1	0.46	0.017	36	37.4	0.134	5
93J853260	2.37	2.9	75	65	0.06	9.9	4.4	0.52	665	652	1	0.52	0.017	28	30.2	0.082	2
93J853262	2.75	3.9	38	61	0.13	14.6	6.6	0.64	1040	1062	2	1.24	0.023	36	37.3	0.091	5
93J853263	2.79	3.0	19	29	0.09	13.0	3.4	0.44	1020	1065	2	1.06	0.023	25	33.1	0.080	3
93J853264	2.47	2.9	19	28	0.08	12.7	6.2	0.42	1500	1448	2	1.04	0.017	29	31.5	0.087	3
93J853265	2.20	2.6	19	20	0.06	8.6	6.4	0.34	380	389	2	0.81	0.015	13	14.4	0.065	2
93J853266	1.82	5.3	90	122	0.11	12.0	29.2	0.47	335	305	2	0.61	0.014	33	32.1	0.075	8
93J853267	0.90	1.8	32	41	0.03	8.6	5.4	0.27	155	153	1	0.26	0.012	24	23.9	0.040	2
93J853269	1.59	3.1	32	18	0.04	8.0	2.8	0.34	300	293	1	0.39	0.010	21	22.4	0.051	3
93J853270	1.65	4.5	102	128	0.06	13.7	21.2	0.36	370	349	1	0.59	0.015	29	28.6	0.100	5
93J853271	2.32	3.6	40	69	0.05	11.7	7.8	0.43	475	460	2	0.59	0.014	30	30.4	0.091	5
93J853272	1.24	2.0	108	222	0.07	11.5	67.2	0.21	590	592	3	1.85	0.010	25	23.3	0.184	3

Appendix A - Sample Information and Analytical Data

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93J853273	0.82	3.4	77	145	0.05	11.7	56.4	0.25	275	256	2	0.84	0.013	32	30.5	0.107	1
93J853274	1.38	3.7	95	163	0.05	12.0	45.0	0.40	435	400	2	0.83	0.009	48	44.4	0.105	4
93J853275	1.23	3.3	104	169	0.04	14.3	52.4	0.35	415	376	2	0.87	0.010	49	42.9	0.124	2
93J853276	0.58	1.5	90	168	0.02	11.3	69.8	0.12	240	223	2	0.53	0.006	30	24.7	0.111	1
93J853277	0.88	3.0	81	134	0.04	7.8	29.2	0.26	355	334	1	0.65	0.010	26	25.2	0.082	3
93J853278	1.36	3.6	86	138	0.13	11.7	25.4	0.39	940	912	1	0.58	0.032	42	38.3	0.123	3
93J853279	0.65	2.8	149	272	0.12	8.5	54.8	0.23	275	261	2	1.95	0.010	33	31.3	0.195	1
93J853280	2.12	3.3	36	61	0.07	13.8	4.0	0.63	555	583	2	2.05	0.013	50	54.5	0.055	3

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851002	13.4	0.02	0.2	0.15	2.5	0.4	1	23.1	0.02	5.0	0.006	0.06	1.2	4.4	20	19
93J851003	6.7	0.02	0.1	0.08	1.3	0.3	1	17.7	0.02	4.0	0.007	0.04	1.3	5.0	13	13
93J851004	3.5	0.68	0.1	0.18	0.8	7.0	1	109.7	0.02	0.9	0.003	0.03	32.8	34.8	10	8
93J851005	6.6	0.02	0.1	0.12	1.7	0.2	1	19.2	0.02	2.9	0.017	0.04	1.3	5.2	15	20
93J851006	7.4	0.02	0.1	0.11	1.9	0.2	1	20.1	0.02	2.5	0.014	0.05	1.5	4.3	18	19
93J851007	10.5	0.01	0.1	0.08	1.2	0.1	1	22.3	0.02	11.8	0.008	0.04	1.8	6.0	13	10
93J851008	2.7	0.32	0.8	1.43	0.3	11.2	1	150.5	0.02	0.2	0.003	0.03	11.1	13.2	35	30
93J851009	2.4	0.47	0.8	1.31	1.5	9.4	1	87.9	0.02	0.2	0.016	0.03	3.8	4.3	25	22
93J851010	1.7	0.5	0.3	0.13	0.4	2.3	1	106.0	0.03	0.2	0.002	0.06	0.2	0.5	10	6
93J851011	5.0	0.01	0.2	0.18	1.2	0.2	2	12.2	0.02	3.2	0.018	0.02	0.4	2.0	15	15
93J851012	14.2	0.03	0.3	0.19	2.5	0.5	1	23.5	0.02	5.2	0.011	0.06	1.2	3.5	25	21
93J851013	6.5	0.03	0.2	0.11	1.9	0.3	1	47.4	0.02	3.9	0.010	0.04	0.3	2.2	15	13
93J851014	8.6	0.1	0.2	0.21	2.6	0.6	1	29.1	0.02	2.7	0.008	0.09	0.8	2.8	20	18
93J851016	5.8	0.06	0.1	0.15	1.7	0.4	2	19.6	0.02	1.1	0.011	0.06	0.5	2.0	20	18
93J851017	13.8	0.06	0.4	0.44	4.2	0.7	2	43.3	0.02	2.8	0.011	0.12	0.8	3.1	30	30
93J851018	5.5	0.02	0.4	0.33	3.0	0.3	1	22.3	0.02	2.3	0.044	0.06	0.5	1.9	35	36
93J851019	4.7	0.02	0.5	0.35	3.7	0.6	1	32.1	0.02	1.5	0.059	0.1	1.0	3.5	45	50
93J851020	7.2	0.04	0.3	0.17	4.7	0.4	1	34.9	0.02	1.2	0.042	0.16	2.5	6.1	58	57
93J851022	4.8	0.29	0.2	0.31	2.2	1.4	1	73.2	0.02	0.4	0.018	0.12	1.8	2.4	25	26
93J851023	6.2	0.05	0.6	0.48	5.4	0.2	1	32.1	0.02	2.5	0.063	0.13	0.6	2.3	60	56
93J851024	4.8	0.02	0.3	0.19	3.8	0.3	1	25.5	0.02	1.0	0.057	0.11	0.9	2.5	48	48
93J851025	10.5	0.08	0.4	0.31	7.7	0.5	1	44.7	0.02	2.1	0.044	0.17	1.2	2.7	55	62
93J851026	6.3	0.01	0.4	0.30	5.2	0.2	1	32.8	0.02	2.6	0.080	0.09	0.5	1.7	50	53
93J851027	4.7	0.05	0.2	0.26	4.1	0.5	1	31.7	0.02	1.4	0.049	0.11	0.9	2.3	45	48
93J851028	8.9	0.02	0.8	0.40	8.2	0.3	1	55.9	0.02	3.0	0.062	0.13	0.8	2.4	65	68
93J851029	8.3	0.07	0.8	0.51	15.2	0.6	1	54.8	0.02	2.6	0.062	0.17	2.6	3.8	90	91
93J851030	7.9	0.01	0.6	0.39	6.6	0.3	1	36.6	0.02	2.3	0.079	0.12	0.7	2.1	60	63
93J851031	13.4	0.01	0.8	0.38	8.7	0.5	1	49.4	0.02	3.3	0.059	0.14	1.0	2.9	70	75
93J851032	11.1	0.07	0.6	0.45	6.3	0.6	1	40.8	0.02	3.2	0.021	0.13	4.1	6.4	45	44
93J851033	9.0	0.04	0.4	0.32	4.3	0.3	1	34.2	0.02	2.9	0.039	0.12	1.5	3.7	40	44
93J851034	11.9	0.02	0.8	0.30	6.1	0.3	1	42.9	0.02	2.3	0.076	0.16	0.7	2.3	55	64
93J851035	7.7	0.04	0.3	0.22	5.6	0.3	1	41.5	0.02	1.5	0.041	0.11	0.9	2.2	50	53
93J851036	7.5	0.03	0.4	0.20	5.6	0.3	1	39.1	0.02	1.3	0.040	0.11	1.0	2.2	50	50
93J851037	7.8	0.01	0.8	0.42	4.8	0.1	1	42.7	0.02	1.9	0.085	0.08	0.5	2.5	45	58
93J851038	4.8	0.04	0.4	0.21	3.5	0.3	1	30.8	0.02	1.0	0.038	0.09	0.3	1.3	55	55
93J851039	6.0	0.01	0.4	0.18	3.8	0.3	1	25.6	0.02	1.3	0.050	0.07	0.9	2.4	40	47
93J851043	4.5	0.25	0.5	0.62	3.3	1.4	1	104.7	0.03	0.4	0.017	0.12	1.1	1.8	30	39
93J851044	4.3	0.01	0.5	0.38	4.2	0.1	1	27.5	0.02	1.4	0.088	0.07	0.4	1.4	40	59
93J851045	6.4	0.01	0.8	0.48	6.2	0.2	1	40.0	0.03	2.1	0.091	0.15	0.6	2.0	55	62
93J851046	4.5	0.03	0.3	0.22	4.6	0.6	1	33.2	0.02	0.8	0.054	0.13	0.7	1.7	43	51
93J851047	5.0	0.1	0.7	0.75	5.0	2.2	1	90.4	0.03	1.0	0.039	0.13	1.1	5.4	43	45
93J851048	5.3	0.01	0.5	0.42	4.6	0.2	1	34.3	0.02	1.7	0.111	0.11	0.5	2.3	63	69
93J851049	5.9	0.09	0.5	0.33	4.3	0.4	1	29.6	0.02	0.6	0.030	0.19	0.7	1.8	60	59
93J851050	7.0	0.05	0.4	0.32	8.3	0.6	1	49.0	0.02	1.5	0.036	0.17	1.8	3.1	70	71
93J851051	6.7	0.07	0.4	0.34	7.0	0.6	1	44.7	0.03	1.2	0.034	0.17	1.4	2.5	68	70
93J851052	5.4	0.33	0.6	0.83	3.4	0.6	1	70.2	0.02	0.6	0.027	0.07	0.7	1.2	23	27
93J851053	7.8	0.01	1	0.63	5.8	0.2	1	33.2	0.02	2.2	0.083	0.14	0.5	2.0	55	63
93J851054	15.4	0.01	0.8	0.38	8.4	0.4	1	61.8	0.03	3.2	0.067	0.13	1.6	3.6	70	81
93J851055	6.2	0.02	0.4	0.25	3.9	0.2	1	40.5	0.02	2.0	0.069	0.06	0.8	2.8	40	49
93J851056	5.5	0.01	0.4	0.26	4.3	0.2	1	38.6	0.02	2.0	0.078	0.06	0.7	2.5	38	48
93J851057	6.3	0.01	0.5	0.30	5.0	0.3	1	40.4	0.02	2.3	0.081	0.07	0.9	2.5	43	50
93J851058	8.5	0.01	0.5	0.34	4.5	0.2	1	33.6	0.02	1.8	0.064	0.09	0.5	2.4	55	58

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851059	6.5	0.05	0.3	0.22	3.7	0.7	1	32.3	0.02	1.2	0.031	0.11	1.1	2.8	45	49
93J851060	13.3	0.04	0.6	0.40	6.5	0.3	1	37.2	0.02	2.0	0.058	0.14	1.1	3.0	60	63
93J851062	4.3	0.02	0.3	0.25	3.0	0.2	1	28.9	0.02	1.4	0.051	0.07	0.6	2.4	35	41
93J851063	4.5	0.02	0.6	0.52	3.7	0.1	1	30.1	0.02	1.3	0.071	0.05	0.3	1.6	45	58
93J851064	4.9	0.01	0.7	0.55	4.8	0.2	1	40.7	0.02	1.6	0.099	0.12	0.4	3.2	60	74
93J851065	6.5	0.06	0.4	0.39	7.5	0.5	1	74.1	0.02	1.1	0.044	0.15	2.6	4.3	60	61
93J851066	4.2	0.11	0.5	0.54	4.1	0.4	1	46.9	0.02	1.2	0.044	0.11	0.6	1.5	40	42
93J851067	7.9	0.08	1	0.73	9.1	1.2	1	77.6	0.02	1.1	0.049	0.17	2.6	4.0	70	80
93J851068	10.2	0.06	0.8	0.61	3.5	0.1	1	34.8	0.02	0.9	0.049	0.07	0.4	1.8	40	45
93J851069	12.2	0.02	0.6	0.29	6.1	0.2	1	47.9	0.02	3.3	0.077	0.12	1.4	3.3	65	69
93J851070	23.5	0.03	1	0.43	8.2	0.3	1	65.7	0.04	3.4	0.067	0.16	1.7	3.1	85	92
93J851071	15.3	0.02	0.6	0.21	7.3	0.4	1	35.4	0.02	3.3	0.069	0.14	2.5	4.4	80	89
93J851073	10.4	0.05	0.6	0.33	5.1	0.2	1	61.9	0.02	1.5	0.057	0.11	4.0	5.6	50	56
93J851074	6.5	0.02	0.5	0.32	3.9	0.3	1	29.1	0.02	2.0	0.092	0.06	0.6	2.2	43	59
93J851075	5.5	0.01	0.3	0.21	2.9	0.1	1	27.7	0.02	4.9	0.069	0.06	0.7	3.7	30	42
93J851076	19.0	0.3	0.3	0.46	3.2	1.2	1	101.8	0.02	1.8	0.017	0.15	7.4	9.3	35	41
93J851077	8.1	0.04	0.6	0.32	4.9	0.3	1	54.8	0.02	3.2	0.105	0.1	1.0	2.6	50	66
93J851078	8.9	0.17	0.4	0.32	2.8	0.3	1	57.7	0.02	4.4	0.062	0.07	1.2	4.3	25	39
93J851079	9.4	0.13	0.4	0.31	3.0	0.3	1	62.0	0.02	4.8	0.059	0.08	0.7	3.0	25	38
93J851080	4.8	0.01	0.4	0.25	3.0	0.1	1	29.3	0.02	2.3	0.080	0.06	0.6	2.2	40	56
93J851082	27.4	0.03	0.8	0.46	7.4	0.3	1	36.2	0.03	3.7	0.040	0.16	0.7	2.5	68	77
93J851083	5.5	0.35	0.5	0.61	4.8	0.5	1	91.2	0.02	1.8	0.049	0.1	1.2	2.2	45	51
93J851084	5.2	0.02	0.6	0.31	3.6	0.2	1	33.9	0.02	2.8	0.087	0.06	0.5	2.2	40	52
93J851085	4.7	0.01	0.4	0.26	3.1	0.1	1	30.9	0.02	2.4	0.076	0.06	0.5	1.9	35	49
93J851086	8.3	0.17	0.4	0.39	3.6	0.5	1	48.5	0.02	2.4	0.030	0.08	1.2	2.7	25	34
93J851087	6.8	0.03	0.1	0.09	2.0	0.5	1	30.6	0.02	2.6	0.006	0.04	0.3	2.6	13	13
93J851088	13.0	0.1	0.2	0.13	2.9	0.3	1	179.7	0.02	4.3	0.007	0.05	0.4	2.1	18	15
93J851089	10.1	0.05	0.2	0.12	3.4	0.4	1	37.6	0.02	5.2	0.009	0.05	0.5	2.7	18	19
93J851090	10.1	0.08	0.4	0.34	2.8	1.7	1	30.0	0.02	2.0	0.007	0.11	0.7	3.8	20	23
93J851091	8.0	0.22	0.6	0.54	3.3	2.6	1	29.3	0.02	2.6	0.007	0.15	1.1	3.0	25	27
93J851092	6.5	0.17	0.2	0.33	2.2	1.6	1	32.4	0.02	1.0	0.008	0.09	2.0	3.5	18	25
93J851093	13.2	0.08	0.8	0.68	6.0	0.4	1	35.4	0.02	4.8	0.039	0.16	0.8	2.4	45	51
93J851095	15.5	0.07	0.5	0.22	5.8	0.5	1	33.8	0.03	3.2	0.027	0.2	2.7	4.5	68	75
93J851096	10.5	0.04	0.3	0.18	2.2	0.3	1	89.0	0.02	2.6	0.022	0.06	0.6	3.0	20	23
93J851097	6.5	0.06	0.1	0.10	1.3	0.2	1	47.9	0.02	1.8	0.011	0.03	0.4	3.6	13	14
93J851098	6.5	0.05	0.2	0.14	1.6	0.1	1	30.4	0.02	2.7	0.019	0.04	0.5	3.5	18	18
93J851099	6.6	0.02	0.1	0.03	1.5	0.1	1	13.0	0.02	3.3	0.013	0.07	0.8	4.8	15	13
93J851100	5.6	0.88	0.2	0.16	1.8	0.7	1	176.2	0.02	2.0	0.014	0.07	9.6	12.5	15	13
93J851102	9.6	0.05	0.2	0.22	2.0	0.3	1	33.5	0.02	1.5	0.012	0.07	1.3	4.1	25	22
93J851103	14.7	0.01	1.2	0.52	8.7	0.3	1	44.3	0.02	3.1	0.036	0.12	0.7	1.9	68	74
93J851104	6.1	0.02	0.2	0.14	2.4	0.1	1	35.0	0.02	1.4	0.064	0.06	0.3	2.0	28	37
93J851105	4.4	0.02	0.4	0.29	2.5	0.1	1	34.0	0.02	1.6	0.071	0.05	0.6	2.3	38	78
93J851106	6.9	0.01	0.9	0.50	5.2	0.1	1	40.3	0.02	2.3	0.098	0.08	0.5	2.3	55	64
93J851107	4.8	0.01	0.4	0.36	3.2	0.1	1	28.9	0.02	1.7	0.065	0.05	0.4	1.9	35	44
93J851108	12.0	0.03	0.7	0.48	6.4	0.3	1	43.7	0.03	2.4	0.057	0.12	0.7	2.6	65	67
93J851109	8.0	0.03	0.4	0.24	4.4	0.2	1	35.4	0.02	1.6	0.052	0.09	0.6	1.7	45	50
93J851110	5.7	0.04	0.4	0.26	4.2	0.2	1	33.1	0.02	1.5	0.056	0.07	0.8	2.6	40	47
93J851111	7.0	0.04	0.4	0.36	3.1	0.3	1	31.1	0.02	1.1	0.055	0.07	0.4	1.7	35	41
93J851112	7.2	0.15	0.4	0.34	3.3	0.7	1	57.2	0.02	0.5	0.020	0.13	0.9	1.8	45	49
93J851113	9.1	0.01	0.6	0.33	4.2	0.2	1	38.8	0.03	2.1	0.073	0.07	0.7	2.8	40	49
93J851115	7.2	0.02	0.6	0.37	4.5	0.1	1	42.4	0.02	2.1	0.076	0.08	0.6	2.0	45	54
93J851116	8.8	0.04	0.4	0.30	5.2	0.4	1	61.1	0.02	1.0	0.036	0.11	1.7	3.0	50	51

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851117	9.5	0.08	0.3	0.23	9.3	1.0	1	62.3	0.02	1.6	0.008	0.15	4.3	6.7	28	39
93J851118	13.6	0.01	0.8	0.50	6.0	0.6	1	36.0	0.06	2.8	0.073	0.1	1.0	2.7	70	79
93J851119	8.2	0.13	0.4	0.40	4.4	0.5	1	61.2	0.03	1.2	0.028	0.09	0.5	1.0	70	55
93J851120	12.0	0.06	0.7	0.37	7.1	0.4	1	51.0	0.03	2.2	0.043	0.13	0.7	2.0	90	90
93J851122	11.0	0.04	0.7	0.47	6.2	0.2	1	57.9	0.04	2.5	0.072	0.1	1.0	2.7	65	63
93J851123	6.6	0.02	0.5	0.34	4.1	0.2	1	35.4	0.02	2.0	0.068	0.07	0.9	2.9	45	46
93J851124	5.1	0.04	0.4	0.27	3.3	0.2	1	37.2	0.02	1.8	0.071	0.07	0.7	2.3	35	42
93J851125	3.2	0.05	0.5	0.31	2.5	2.2	2	48.7	0.02	1.3	0.063	0.09	1.7	3.6	38	45
93J851126	6.1	0.04	0.5	0.41	3.7	0.2	1	40.9	0.02	2.3	0.092	0.08	0.5	2.3	40	58
93J851127	8.5	0.05	0.5	0.41	5.9	0.2	2	53.4	0.02	2.3	0.083	0.1	1.2	2.4	53	56
93J851128	8.6	0.02	0.3	0.30	2.7	0.2	1	48.6	0.03	6.3	0.052	0.06	0.8	3.6	30	27
93J851129	5.7	0.01	0.6	0.55	4.4	0.3	1	41.2	0.02	2.9	0.105	0.09	0.7	2.2	45	59
93J851130	7.0	0.58	0.1	0.22	4.8	2.5	1	30.1	0.02	2.3	0.021	0.12	1.0	2.3	20	20
93J851131	5.4	0.05	0.3	0.31	5.2	0.5	1	28.8	0.02	1.3	0.051	0.09	0.9	2.6	53	54
93J851132	3.9	0.01	0.5	0.35	3.5	0.2	1	19.2	0.02	1.1	0.102	0.04	0.4	1.6	48	56
93J851133	4.8	0.31	0.4	0.33	3.3	0.9	1	35.3	0.02	1.9	0.031	0.11	1.0	2.4	35	33
93J851134	4.6	0.03	0.3	0.26	3.5	0.6	1	35.9	0.02	1.4	0.114	0.04	0.5	2.5	45	56
93J851135	1.6	0.05	0.1	0.11	1.4	0.4	1	18.1	0.02	2.8	0.056	0.03	0.5	4.7	20	25
93J851136	1.6	0.06	0.1	0.11	1.5	0.7	1	20.9	0.02	2.8	0.057	0.03	0.6	4.5	20	26
93J851138	6.2	0.18	0.3	0.32	3.9	1.4	1	32.5	0.02	1.3	0.032	0.09	1.5	3.3	35	39
93J851139	2.2	0.04	0.1	0.15	4.0	0.3	1	17.4	0.02	1.5	0.117	0.04	0.3	2.0	40	54
93J851140	13.0	0.14	0.4	0.44	3.8	1.6	1	45.7	0.02	2.8	0.015	0.08	7.7	10.7	25	31
93J851142	3.4	0.02	0.2	0.22	3.4	0.2	1	32.2	0.02	3.0	0.111	0.06	0.8	2.4	45	61
93J851143	2.3	0.88	0.2	0.35	1.9	1.7	1	85.6	0.02	0.5	0.015	0.06	1.1	1.1	15	15
93J851144	4.3	0.05	0.4	0.32	4.1	0.5	1	43.2	0.02	1.3	0.064	0.09	1.3	2.9	45	50
93J851145	2.2	0.01	0.1	0.09	1.7	0.2	1	19.8	0.02	2.0	0.049	0.06	1.1	4.1	25	26
93J851146	2.7	0.03	0.1	0.13	2.1	0.3	1	24.2	0.02	2.4	0.052	0.07	1.7	5.3	25	26
93J851147	14.6	0.04	0.4	0.29	2.1	0.3	1	16.6	0.02	8.7	0.025	0.04	0.9	4.9	18	17
93J851148	14.2	0.11	0.1	0.13	2.2	0.3	1	24.7	0.02	6.9	0.011	0.06	1.2	4.1	20	15
93J851149	10.7	0.01	0.2	0.19	1.4	0.2	1	18.6	0.02	8.0	0.013	0.03	1.4	5.6	15	12
93J851151	10.4	0.02	0.1	0.08	1.0	0.1	1	19.5	0.02	9.0	0.006	0.04	1.9	7.7	10	9
93J851152	9.9	0.02	0.1	0.08	1.0	0.1	1	18.9	0.02	9.1	0.006	0.04	1.9	7.9	10	8
93J851153	11.9	0.13	0.2	0.19	2.3	0.5	1	24.6	0.02	7.3	0.009	0.04	1.0	3.4	15	13
93J851154	15.5	0.04	0.4	0.30	2.2	0.2	1	18.1	0.02	8.6	0.016	0.04	1.0	4.3	20	16
93J851155	6.2	0.03	0.3	0.27	3.6	0.2	2	36.6	0.02	1.8	0.062	0.08	0.5	2.3	43	50
93J851156	3.0	0.03	0.2	0.24	2.7	0.1	2	21.1	0.02	1.3	0.062	0.07	0.4	1.9	30	37
93J851157	2.3	0.32	0.1	0.23	0.8	0.7	1	67.6	0.02	0.2	0.005	0.02	0.3	0.5	8	7
93J851158	1.9	0.54	0.4	0.88	3.0	1.4	1	103.6	0.02	0.5	0.011	0.06	1.0	1.0	18	21
93J851159	2.3	0.08	0.1	0.18	1.9	0.3	1	24.6	0.02	0.6	0.030	0.06	0.4	1.3	20	22
93J851160	3.6	0.34	0.2	0.33	2.4	0.8	1	58.1	0.02	0.1	0.012	0.08	1.0	1.8	20	25
93J851162	3.5	0.04	0.2	0.17	2.6	0.1	2	19.1	0.02	0.7	0.037	0.08	0.4	1.5	20	30
93J851164	4.6	0.06	0.3	0.36	3.7	0.4	1	31.5	0.02	0.9	0.047	0.06	0.8	2.5	40	48
93J851165	2.4	0.87	0.2	0.49	3.0	1.2	1	86.9	0.02	0.5	0.011	0.07	2.1	2.8	20	18
93J851166	3.5	0.28	0.1	0.28	1.5	0.6	1	67.5	0.02	0.1	0.017	0.05	0.9	1.6	18	24
93J851167	2.4	0.34	0.2	0.33	2.8	0.7	1	99.4	0.02	0.3	0.006	0.05	0.4	0.5	18	19
93J851168	3.4	0.61	0.4	0.65	1.3	1.6	1	62.6	0.02	0.3	0.008	0.06	3.5	4.7	15	17
93J851169	4.8	0.85	2.8	4.15	5.1	5.9	1	52.0	0.02	1.3	0.016	0.45	3.1	4.2	25	27
93J851170	6.6	0.11	0.5	0.45	5.3	1.0	1	72.8	0.02	0.8	0.015	0.1	2.7	4.9	30	37
93J851171	6.5	0.06	0.4	0.40	6.0	0.6	1	36.3	0.02	1.3	0.042	0.1	0.6	2.1	45	55
93J851172	4.7	0.05	0.4	0.36	4.6	0.5	1	43.3	0.02	1.2	0.042	0.09	0.6	2.1	35	44
93J851173	1.8	0.3	0.1	0.22	1.6	1.5	1	76.8	0.02	0.4	0.025	0.03	1.6	2.3	13	19
93J851174	2.4	0.36	0.3	0.49	2.9	1.0	1	46.1	0.02	0.6	0.043	0.06	1.0	1.6	20	26

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851175	1.7	0.54	0.2	0.36	3.6	2.0	1	57.6	0.02	0.5	0.009	0.07	1.4	4.1	15	16
93J851176	3.0	0.17	0.3	0.34	4.7	0.8	1	34.1	0.02	0.5	0.033	0.12	1.2	2.2	28	34
93J851177	1.0	0.39	0.4	0.69	0.9	1.1	1	69.6	0.02	0.2	0.004	0.02	0.6	0.5	10	5
93J851178	3.4	0.41	0.4	0.77	4.0	1.2	1	80.1	0.02	0.5	0.011	0.1	1.5	1.9	20	25
93J851179	7.7	0.04	0.4	0.34	3.4	0.7	1	23.3	0.02	1.5	0.020	0.12	1.1	3.8	33	39
93J851180	7.7	0.04	0.4	0.36	3.4	0.8	1	24.3	0.02	1.4	0.023	0.12	1.2	3.8	35	41
93J851182	2.0	0.37	0.2	0.24	1.2	0.9	1	100.4	0.02	0.2	0.005	0.04	0.5	0.5	13	13
93J851183	5.7	0.16	0.3	0.30	5.7	1.7	1	45.8	0.02	0.7	0.036	0.14	4.2	5.7	40	53
93J851184	5.3	0.03	0.6	0.49	3.6	0.6	1	34.7	0.02	1.8	0.056	0.09	0.9	3.7	40	59
93J851185	4.4	0.02	0.6	0.45	3.0	0.6	1	27.9	0.02	1.8	0.055	0.08	0.6	2.5	30	48
93J851186	6.7	0.04	0.6	0.49	4.5	0.8	1	33.1	0.04	1.8	0.053	0.08	0.8	2.3	45	57
93J851187	10.7	0.05	1.5	1.21	4.9	2.7	1	42.4	0.05	1.8	0.030	0.11	1.2	3.6	50	56
93J851188	6.4	0.01	0.8	0.53	5.4	0.5	1	27.3	0.02	2.7	0.052	0.11	1.9	4.1	55	65
93J851189	4.4	0.06	0.5	0.39	4.0	1.0	1	48.9	0.02	1.8	0.067	0.09	1.0	3.1	45	54
93J851190	3.6	0.06	0.3	0.24	4.4	0.7	1	38.2	0.02	1.1	0.057	0.11	1.0	2.0	43	50
93J851192	3.1	0.16	0.2	0.19	3.7	0.8	1	43.4	0.02	1.1	0.051	0.14	1.8	3.7	30	38
93J851193	2.0	1.08	0.3	0.49	2.0	1.8	1	130.7	0.02	0.4	0.012	0.07	1.5	1.8	30	34
93J851194	2.2	1.08	0.3	0.46	2.3	1.9	1	136.6	0.02	0.5	0.011	0.07	1.7	2.3	25	31
93J851195	3.8	0.04	0.1	0.07	1.9	1.4	1	24.1	0.02	1.0	0.031	0.08	9.6	22.7	20	25
93J851196	3.7	0.45	0.1	0.18	1.1	6.8	1	42.7	0.02	0.1	0.012	0.07	23.2	28.0	15	18
93J851197	3.4	0.05	0.1	0.10	2.1	1.9	1	25.3	0.02	0.8	0.029	0.12	11.5	17.3	20	28
93J851198	3.9	0.25	0.2	0.25	2.3	4.3	1	49.7	0.02	0.3	0.022	0.16	9.1	10.6	25	32
93J851199	4.6	0.11	0.6	0.34	4.2	3.6	1	58.4	0.02	0.8	0.042	0.13	2.5	3.8	48	51
93J851200	4.4	0.56	0.4	0.74	4.6	6.4	1	103.6	0.03	0.5	0.034	0.15	3.8	5.2	38	45
93J851202	8.2	0.03	0.3	0.30	1.7	0.7	1	21.3	0.02	2.1	0.010	0.05	0.4	2.7	15	17
93J851203	8.2	0.1	0.2	0.28	1.5	1.5	1	43.3	0.02	0.7	0.011	0.09	0.4	1.5	20	19
93J851204	5.6	0.01	0.5	0.52	3.6	0.3	1	20.9	0.02	2.2	0.067	0.08	0.5	2.2	38	50
93J851205	15.7	0.05	0.4	0.05	1.1	0.1	1	24.7	0.02	17.2	0.016	0.03	1.7	11.7	10	7
93J851206	23.2	0.04	0.3	0.29	1.7	0.1	1	11.3	0.02	9.8	0.003	0.02	1.7	5.2	10	12
93J851207	22.0	0.02	0.2	0.24	1.5	0.1	1	8.0	0.02	9.1	0.003	0.03	1.4	5.3	10	12
93J851208	22.9	0.05	0.6	0.33	1.6	0.1	1	10.1	0.02	12.1	0.003	0.03	1.7	6.0	10	13
93J851209	15.5	0.04	0.1	0.12	1.1	0.1	1	8.5	0.02	13.3	0.008	0.04	1.5	7.0	10	9
93J851210	13.7	0.02	0.1	0.12	1.5	0.1	1	7.6	0.03	10.4	0.004	0.03	1.9	5.4	10	12
93J851212	11.5	0.02	0.1	0.10	1.4	0.2	1	16.3	0.02	9.2	0.005	0.04	2.2	6.3	13	12
93J851213	11.6	0.03	0.1	0.17	1.3	0.2	1	20.4	0.02	8.6	0.006	0.02	0.8	5.1	10	11
93J851214	24.6	0.02	0.3	0.27	2.4	0.3	1	25.6	0.02	7.2	0.008	0.07	0.8	3.3	15	18
93J851215	10.2	0.01	0.1	0.13	1.6	0.2	1	19.3	0.02	6.8	0.007	0.04	0.6	3.4	10	12
93J851216	8.6	0.01	0.1	0.13	1.3	0.2	1	16.4	0.02	6.8	0.007	0.03	0.5	4.2	10	10
93J851217	11.8	0.04	0.4	0.20	1.9	0.2	1	45.9	0.02	10.6	0.013	0.04	1.0	4.9	18	17
93J851218	8.6	0.04	0.3	0.14	3.0	0.2	2	28.1	0.02	2.9	0.011	0.1	0.9	2.7	25	26
93J851219	8.6	0.02	0.3	0.17	2.1	0.2	1	21.5	0.02	3.5	0.006	0.05	0.7	2.9	15	14
93J851220	7.7	0.03	0.2	0.14	2.4	0.4	1	20.4	0.02	3.4	0.006	0.07	0.6	3.8	18	17
93J851222	9.0	0.02	0.3	0.21	2.3	0.3	1	18.6	0.02	4.3	0.006	0.05	0.5	3.3	15	16
93J851223	7.5	0.02	0.7	0.59	2.7	0.5	1	28.2	0.02	2.3	0.026	0.14	0.7	3.2	33	37
93J851224	6.1	0.01	0.4	0.42	2.1	0.3	1	18.9	0.02	2.4	0.035	0.05	0.4	2.3	28	32
93J851225	6.4	0.03	0.6	0.60	1.6	0.6	2	17.9	0.02	1.0	0.013	0.14	1.0	4.2	23	32
93J851226	8.2	0.02	0.5	0.47	1.5	0.7	1	18.3	0.02	1.8	0.013	0.07	0.4	3.3	13	17
93J851227	7.9	0.02	0.4	0.44	1.5	0.6	1	16.6	0.02	1.7	0.012	0.06	0.4	2.6	13	18
93J851229	9.1	0.1	0.5	0.60	2.0	1.0	1	30.0	0.02	2.0	0.014	0.09	0.8	3.4	20	24
93J851230	8.3	0.02	0.3	0.35	1.9	0.3	1	20.5	0.02	2.4	0.016	0.04	0.4	2.3	20	22
93J851231	6.4	0.02	0.2	0.23	1.4	0.4	1	17.1	0.02	2.2	0.010	0.03	0.3	2.2	13	14
93J851232	14.6	0.01	0.4	0.25	3.0	0.2	1	22.8	0.02	8.8	0.028	0.06	0.5	2.6	25	27

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851233	13.9	0.02	0.2	0.19	1.7	0.3	1	17.0	0.02	8.9	0.012	0.03	0.9	5.5	15	14
93J851234	13.5	0.03	0.3	0.21	2.3	0.3	1	27.3	0.02	6.5	0.009	0.06	0.5	3.3	20	17
93J851235	13.1	0.03	0.3	0.18	2.3	0.3	2	26.3	0.02	6.0	0.009	0.06	0.6	3.3	20	17
93J851236	6.9	0.07	0.1	0.14	1.5	0.5	1	21.9	0.02	4.3	0.006	0.05	0.6	3.0	15	13
93J851237	6.9	0.01	0.1	0.10	1.1	0.1	1	13.7	0.02	11.7	0.007	0.02	1.4	5.4	10	9
93J851238	10.8	0.02	0.2	0.18	2.1	0.2	1	17.7	0.02	5.5	0.013	0.07	0.6	3.3	23	23
93J851239	9.8	0.02	0.2	0.17	2.0	0.2	1	17.0	0.02	3.7	0.012	0.07	1.0	3.4	20	23
93J851240	9.7	0.03	0.2	0.20	2.5	0.3	1	23.3	0.02	5.6	0.009	0.08	1.0	3.1	23	22
93J851242	6.3	0.06	0.1	0.08	2.1	0.3	1	18.7	0.02	2.9	0.005	0.08	1.1	3.7	13	12
93J851243	4.8	0.02	0.3	0.25	2.1	0.3	1	17.0	0.02	2.1	0.029	0.07	0.4	2.0	20	28
93J851244	9.1	0.04	0.9	0.58	2.8	0.9	1	29.0	0.02	2.7	0.012	0.15	1.3	4.7	38	38
93J851245	6.6	0.02	0.6	0.41	2.1	0.4	1	21.3	0.02	2.9	0.023	0.08	0.5	2.7	28	29
93J851246	9.8	0.01	0.8	0.52	4.1	0.3	1	20.9	0.02	5.3	0.038	0.1	0.7	3.2	40	39
93J851247	9.6	0.03	0.6	0.47	3.8	0.4	1	24.8	0.02	4.2	0.034	0.1	0.7	3.0	35	36
93J851248	6.7	0.03	0.6	0.51	2.4	0.3	1	20.9	0.02	1.7	0.010	0.06	0.7	3.1	20	21
93J851249	5.5	0.03	0.2	0.19	1.9	0.4	1	18.0	0.02	2.4	0.011	0.07	0.5	3.0	18	19
93J851250	8.2	0.03	0.2	0.13	2.3	0.4	1	31.5	0.02	3.1	0.007	0.03	0.4	2.7	15	13
93J851251	6.7	0.24	1.6	0.89	6.8	0.3	1	27.7	0.02	3.7	0.003	0.08	0.8	3.0	20	18
93J851252	6.1	0.02	0.2	0.15	2.3	0.3	1	14.6	0.02	1.5	0.016	0.07	1.0	3.1	30	27
93J851254	16.1	0.03	0.3	0.34	2.7	0.3	1	18.4	0.02	3.3	0.037	0.05	0.5	1.7	30	29
93J851255	7.5	0.01	0.2	0.17	1.3	0.2	1	8.1	0.02	2.4	0.009	0.09	1.3	3.1	20	17
93J851256	4.0	0.01	0.2	0.22	2.8	0.3	1	22.9	0.02	1.6	0.066	0.07	0.8	3.0	38	42
93J851257	5.2	0.11	0.2	0.25	2.9	1.6	1	26.7	0.02	0.4	0.027	0.15	1.6	2.6	38	39
93J851258	5.8	0.13	0.2	0.28	3.2	2.0	1	30.3	0.02	0.4	0.026	0.17	2.0	3.7	40	40
93J851259	3.5	0.01	0.2	0.25	1.9	0.2	1	15.5	0.02	1.6	0.050	0.04	0.3	1.3	23	29
93J851260	5.8	0.06	0.2	0.23	2.9	0.4	1	36.4	0.02	0.4	0.027	0.1	1.0	2.2	40	49
93J851262	3.6	0.03	0.5	0.32	2.8	0.2	1	20.4	0.02	1.2	0.052	0.1	0.4	2.0	30	37
93J851263	4.8	0.02	0.3	0.20	3.3	0.2	1	21.5	0.02	1.4	0.042	0.09	0.7	2.9	40	46
93J851264	6.1	0.03	0.5	0.36	3.8	0.4	1	31.1	0.02	0.8	0.031	0.11	1.0	4.8	48	51
93J851265	7.1	0.01	0.6	0.38	4.0	0.2	1	26.1	0.02	3.0	0.070	0.12	0.6	2.2	45	54
93J851266	7.1	0.02	0.6	0.36	4.1	0.3	1	27.4	0.02	2.2	0.056	0.1	0.8	2.5	40	49
93J851267	3.6	0.04	0.4	0.25	3.5	1.1	1	38.5	0.02	0.8	0.051	0.13	1.5	3.4	40	48
93J851268	6.2	0.08	0.6	0.35	8.1	0.8	2	54.3	0.02	1.0	0.030	0.23	1.9	3.2	63	68
93J851269	3.5	0.03	0.3	0.20	3.8	0.5	1	30.6	0.02	1.1	0.061	0.11	1.2	3.1	38	42
93J851270	6.8	0.06	0.2	0.21	2.9	0.8	1	25.8	0.02	2.5	0.015	0.07	0.6	2.6	20	23
93J851271	5.4	0.04	0.3	0.18	2.3	0.6	1	21.1	0.02	2.4	0.018	0.06	0.5	2.2	20	23
93J851272	7.5	0.04	0.5	0.33	1.9	0.5	1	23.0	0.02	1.9	0.014	0.07	0.5	2.7	23	27
93J851273	5.8	0.03	0.3	0.19	1.9	0.1	1	18.0	0.02	2.1	0.035	0.05	0.5	2.4	20	24
93J851274	5.6	0.02	0.2	0.12	1.6	0.1	1	15.3	0.02	1.7	0.015	0.06	0.6	1.9	18	19
93J851275	12.3	0.05	0.3	0.20	1.8	0.4	1	23.6	0.02	1.3	0.009	0.1	1.3	3.5	25	25
93J851277	12.5	0.01	0.4	0.25	2.8	0.2	1	19.6	0.02	5.9	0.039	0.11	1.2	3.8	30	33
93J851278	11.8	0.01	0.4	0.23	2.6	0.2	1	18.2	0.02	6.0	0.039	0.11	1.1	4.1	30	30
93J851279	12.1	0.03	0.3	0.16	3.5	0.4	1	46.7	0.02	2.5	0.023	0.05	2.0	4.0	25	27
93J851280	4.7	0.01	0.4	0.30	1.2	0.2	1	6.8	0.02	1.0	0.009	0.05	0.4	3.5	13	15
93J851282	5.8	0.03	0.2	0.16	1.6	0.4	1	24.0	0.02	1.4	0.008	0.09	0.9	2.9	15	16
93J851283	4.9	0.01	0.2	0.19	1.3	0.2	1	7.7	0.02	1.6	0.009	0.06	0.4	2.6	13	15
93J851284	3.9	0.01	0.2	0.21	1.1	0.2	1	6.5	0.02	1.5	0.008	0.04	0.3	2.1	13	12
93J851285	8.0	0.01	0.6	0.30	4.3	0.2	1	36.3	0.02	3.8	0.086	0.08	0.6	2.6	45	50
93J851286	3.7	0.01	0.1	0.11	1.2	0.1	1	11.5	0.02	2.9	0.023	0.03	0.3	2.6	13	14
93J851287	10.4	0.02	0.3	0.22	1.3	0.2	1	16.0	0.02	1.0	0.008	0.1	0.5	2.8	13	15
93J851288	10.6	0.01	0.4	0.29	1.4	0.2	1	17.7	0.02	1.7	0.013	0.12	0.6	3.4	15	20
93J851289	6.8	0.03	0.1	0.10	2.5	0.4	1	17.9	0.02	1.7	0.011	0.07	0.6	2.8	18	17

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MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851290	5.4	0.02	0.6	0.35	5.2	0.3	1	40.1	0.04	1.7	0.078	0.09	0.5	1.7	53	56
93J851291	5.2	0.31	0.3	0.48	2.5	1.1	1	95.3	0.03	0.2	0.011	0.15	1.0	15.0	20	28
93J851292	6.8	0.02	1	0.57	5.2	0.4	8	31.6	0.02	1.7	0.076	0.14	0.6	1.4	55	61
93J851294	6.9	0.04	0.8	0.51	5.8	0.4	1	36.3	0.02	1.7	0.075	0.15	0.9	23.0	63	67
93J851295	4.9	0.01	0.8	0.53	4.1	0.3	1	32.4	0.02	1.7	0.085	0.11	0.5	1.7	45	50
93J851296	5.8	0.01	0.8	0.55	4.5	0.3	1	33.5	0.03	1.8	0.096	0.12	0.5	2.0	48	54
93J851297	5.9	0.01	1.2	0.55	5.5	0.2	1	45.5	0.03	1.9	0.084	0.13	0.5	2.1	55	59
93J851298	5.8	0.01	0.7	0.49	4.2	0.1	1	28.1	0.02	1.6	0.085	0.12	0.5	1.7	45	58
93J851299	5.1	0.02	0.4	0.30	3.6	0.1	1	21.0	0.02	1.3	0.059	0.11	0.6	2.1	40	52
93J851300	6.4	0.03	0.4	0.27	4.4	0.1	1	25.1	0.02	1.3	0.054	0.13	0.8	2.0	45	57
93J851302	7.2	0.01	0.7	0.38	4.8	0.2	1	32.8	0.02	2.2	0.060	0.11	0.8	2.2	50	61
93J851303	6.7	0.11	0.4	0.32	7.1	0.8	1	41.1	0.02	1.5	0.031	0.18	4.2	6.0	43	48
93J851304	4.8	0.01	0.4	0.30	3.1	0.1	1	31.1	0.02	1.8	0.074	0.06	0.5	1.7	38	45
93J851305	8.6	0.01	1	0.47	4.6	0.1	1	39.2	0.02	2.5	0.088	0.1	0.5	1.6	53	61
93J851306	14.8	0.01	1.2	0.45	7.2	0.1	1	53.9	0.02	3.8	0.070	0.17	0.7	2.7	70	77
93J851307	15.5	0.01	1	0.45	8.0	0.1	1	57.2	0.03	3.9	0.072	0.16	0.8	2.5	75	79
93J851308	11.0	0.02	0.6	0.28	5.5	0.1	1	42.3	0.02	2.8	0.075	0.12	2.7	4.6	60	63
93J851309	3.7	0.01	0.4	0.30	2.8	0.1	1	23.7	0.02	1.1	0.075	0.08	0.3	1.4	40	47
93J851310	4.0	0.01	0.6	0.33	2.8	0.1	1	23.3	0.02	1.2	0.079	0.09	0.3	1.5	38	50
93J851312	4.5	0.08	0.6	0.33	5.1	0.6	1	39.9	0.02	1.4	0.077	0.14	0.6	1.9	45	55
93J851313	7.1	0.08	0.5	0.33	5.7	0.4	1	47.1	0.02	1.4	0.034	0.12	1.8	3.5	45	48
93J851314	5.5	0.02	0.2	0.13	3.6	0.1	1	25.9	0.02	0.6	0.042	0.08	0.5	2.6	35	47
93J851315	9.1	0.01	0.7	0.41	6.0	0.2	1	45.9	0.02	3.2	0.100	0.12	0.7	2.4	55	66
93J851316	12.9	0.06	0.5	0.27	3.9	0.3	1	32.5	0.02	0.4	0.018	0.13	0.7	1.8	43	53
93J851317	13.1	0.05	0.9	0.39	8.0	0.3	1	48.2	0.02	2.5	0.045	0.17	1.4	2.7	23	82
93J851318	11.3	0.05	0.6	0.34	3.3	0.9	1	50.9	0.02	2.6	0.067	0.12	7.4	10.7	43	56
93J851319	6.8	0.03	0.5	0.38	2.7	0.3	1	35.4	0.02	4.5	0.084	0.05	0.6	3.7	30	39
93J851320	8.4	0.04	0.6	0.41	3.3	0.4	1	35.3	0.02	4.9	0.079	0.06	0.6	3.1	30	41
93J851322	7.2	0.04	0.5	0.40	2.9	0.3	1	24.8	0.02	4.7	0.089	0.05	0.6	3.9	30	45
93J851323	6.1	0.03	0.5	0.36	2.6	0.2	1	29.8	0.02	4.3	0.083	0.04	0.5	4.7	28	39
93J851324	9.8	0.05	1	0.47	6.2	0.3	1	75.1	0.02	4.5	0.101	0.13	1.0	2.9	63	70
93J851325	7.5	0.03	0.8	0.43	5.0	0.2	1	54.8	0.02	8.1	0.107	0.1	1.1	2.7	55	68
93J851326	3.6	0.06	0.4	0.28	4.1	0.9	1	31.0	0.02	1.0	0.066	0.1	0.9	2.3	43	52
93J851327	5.1	0.05	0.4	0.37	4.7	0.3	1	37.3	0.02	0.9	0.087	0.13	0.6	1.8	55	65
93J851328	6.2	0.01	0.2	0.21	2.0	0.1	1	11.0	0.02	4.7	0.053	0.05	0.6	2.5	25	32
93J851329	7.0	0.03	0.3	0.29	2.4	0.1	1	34.9	0.02	5.1	0.037	0.07	0.4	2.8	23	25
93J851330	4.5	0.03	0.1	0.12	1.3	0.1	1	11.3	0.02	1.3	0.009	0.05	0.6	2.4	10	12
93J851331	21.9	0.16	0.2	0.29	2.2	0.4	1	57.2	0.02	0.3	0.011	0.18	1.0	2.0	25	27
93J851332	8.1	0.02	0.4	0.22	3.7	0.2	1	25.0	0.02	2.5	0.027	0.09	0.7	3.1	30	33
93J851334	9.7	0.03	0.5	0.30	3.6	0.3	1	17.2	0.02	2.2	0.053	0.13	0.7	3.2	45	51
93J851335	6.6	0.03	0.2	0.17	1.0	0.2	1	11.5	0.02	0.9	0.013	0.08	0.5	2.5	15	21
93J851336	8.4	0.01	0.2	0.20	2.5	0.2	1	32.9	0.02	4.3	0.033	0.05	0.5	2.3	20	25
93J851337	8.3	0.01	0.3	0.21	2.3	0.1	1	32.0	0.02	3.8	0.027	0.05	0.4	2.6	18	23
93J851338	3.5	0.01	0.3	0.19	1.3	0.1	1	8.2	0.02	3.4	0.035	0.03	0.4	2.7	20	26
93J851339	4.7	0.01	0.3	0.30	1.8	0.1	1	18.8	0.02	2.9	0.041	0.04	0.3	2.5	20	30
93J851340	8.3	0.03	0.6	0.41	4.2	0.3	1	27.1	0.03	1.5	0.052	0.14	1.0	2.9	50	56
93J851342	9.0	0.04	0.7	0.40	6.0	0.7	1	40.0	0.03	1.1	0.035	0.13	2.4	4.1	68	72
93J851343	4.2	0.01	0.6	0.46	3.1	0.2	1	19.9	0.02	1.5	0.093	0.05	0.4	1.5	48	70
93J851344	4.1	0.03	0.5	0.30	4.0	0.3	1	33.3	0.02	1.5	0.077	0.07	0.5	2.0	45	50
93J851345	3.3	0.02	0.4	0.26	3.2	0.2	1	26.3	0.02	1.3	0.070	0.06	0.4	1.5	38	45
93J851346	11.4	0.04	0.7	0.37	6.5	0.5	1	48.1	0.03	2.0	0.053	0.12	1.2	3.2	70	74
93J851347	2.6	0.21	0.2	0.18	3.2	0.8	1	42.5	0.02	0.8	0.061	0.07	0.7	2.0	35	35

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851348	1.8	0.44	0.1	0.26	0.8	1.1	1	109.0	0.02	0.2	0.010	0.03	0.3	0.7	15	8
93J851349	4.9	0.02	0.4	0.24	4.4	0.6	1	34.8	0.02	1.4	0.073	0.14	2.5	6.5	48	53
93J851350	4.1	0.08	0.3	0.23	4.6	0.7	1	51.7	0.02	1.1	0.055	0.14	1.7	3.4	40	45
93J851351	4.5	0.01	0.3	0.18	3.1	0.4	1	29.6	0.02	3.6	0.073	0.1	1.9	6.7	43	54
93J851352	4.1	0.12	0.2	0.18	3.5	0.8	1	42.6	0.02	0.9	0.039	0.11	1.9	3.4	35	36
93J851353	4.6	0.02	0.4	0.27	3.1	0.4	1	33.4	0.02	3.1	0.069	0.1	1.2	5.6	45	65
93J851354	1.6	0.02	0.2	0.11	2.2	0.1	1	21.1	0.02	0.8	0.064	0.06	0.5	1.9	25	30
93J851355	4.2	0.01	0.7	0.55	3.1	0.2	1	26.4	0.02	1.7	0.073	0.08	0.4	2.0	38	53
93J851357	7.1	0.01	0.8	0.58	5.0	0.3	1	30.1	0.02	1.8	0.089	0.13	0.5	2.0	63	70
93J851358	12.1	0.01	0.7	0.55	4.4	0.4	2	24.3	0.02	2.5	0.069	0.14	0.6	2.5	65	73
93J851359	4.7	0.01	0.6	0.39	3.7	0.5	1	30.6	0.02	2.8	0.076	0.09	1.2	4.7	48	62
93J851360	4.6	0.01	0.5	0.39	3.7	0.4	1	29.8	0.02	2.6	0.077	0.09	1.0	3.1	43	59
93J851362	6.9	0.07	0.2	0.20	1.7	0.2	1	21.3	0.02	1.7	0.020	0.09	0.7	2.2	20	26
93J851363	4.9	0.02	0.2	0.17	1.5	0.1	1	11.7	0.02	1.2	0.027	0.06	0.4	2.1	18	21
93J851364	8.6	0.01	0.2	0.17	2.3	0.1	1	13.9	0.02	4.2	0.043	0.08	0.7	2.5	25	31
93J851365	6.3	0.05	0.5	0.37	5.8	0.3	1	31.5	0.02	1.3	0.049	0.12	1.2	2.5	45	51
93J851366	10.0	0.04	0.3	0.22	2.2	0.2	2	60.3	0.02	2.2	0.022	0.05	1.2	2.9	20	24
93J851367	11.5	0.06	0.5	0.33	2.6	0.4	2	33.4	0.02	1.7	0.008	0.1	2.6	5.6	20	22
93J851368	8.5	0.04	0.2	0.13	1.7	0.2	1	16.3	0.02	1.5	0.010	0.08	1.3	4.5	20	20
93J851369	11.1	0.05	0.5	0.31	5.0	0.4	1	80.3	0.02	1.8	0.050	0.08	4.5	6.6	50	53
93J851370	7.9	0.03	0.6	0.31	4.0	0.2	2	47.4	0.02	2.0	0.068	0.08	1.0	2.5	50	57
93J851371	5.8	0.05	0.5	0.26	3.2	0.1	2	52.5	0.02	2.3	0.072	0.08	1.4	3.9	38	54
93J851373	4.2	0.05	0.4	0.24	2.5	0.1	2	43.7	0.02	2.1	0.068	0.07	0.9	2.3	38	49
93J851374	4.8	0.06	0.5	0.28	2.9	0.1	2	47.0	0.02	2.2	0.072	0.08	1.0	3.1	38	51
93J851375	4.4	0.2	0.6	0.36	2.7	0.4	2	57.7	0.02	2.2	0.073	0.15	6.0	7.7	43	56
93J851376	8.6	0.01	0.9	0.43	5.2	0.1	2	56.9	0.03	2.6	0.124	0.07	0.7	2.6	60	76
93J851377	10.3	0.03	0.5	0.23	7.0	0.3	1	64.2	0.02	2.9	0.061	0.08	4.4	6.7	43	55
93J851378	4.1	0.64	0.6	0.73	3.0	2.1	1	135.9	0.03	0.6	0.014	0.08	5.4	6.3	33	34
93J851379	11.1	0.06	0.4	0.26	4.2	0.3	1	48.4	0.02	1.6	0.053	0.08	1.1	2.8	40	46
93J851380	9.4	0.04	0.4	0.21	5.8	0.3	2	62.1	0.02	1.7	0.037	0.12	1.2	2.8	55	58
93J851382	8.2	0.03	0.5	0.27	5.6	0.2	1	46.2	0.02	2.6	0.066	0.11	1.3	2.7	55	65
93J851383	6.4	0.02	0.3	0.21	4.6	0.2	1	41.8	0.02	2.3	0.067	0.1	1.3	2.9	45	48
93J851384	9.8	0.05	0.3	0.20	4.6	0.2	2	38.8	0.02	1.0	0.034	0.13	0.8	2.4	50	59
93J851386	8.0	0.04	0.4	0.23	3.9	0.2	1	34.8	0.02	0.9	0.046	0.12	0.6	4.9	33	38
93J851387	11.6	0.05	0.7	0.43	5.0	0.3	2	48.2	0.03	1.4	0.051	0.1	1.4	2.7	60	62
93J851388	6.8	0.05	0.6	0.40	4.1	0.2	1	42.7	0.03	1.2	0.049	0.1	0.6	2.0	50	56
93J851389	8.8	0.15	0.5	0.34	5.4	0.6	3	66.2	0.02	1.2	0.036	0.18	1.0	2.2	48	53
93J851390	8.0	0.05	0.6	0.36	4.9	0.4	1	60.1	0.02	1.6	0.050	0.13	0.9	3.1	63	67
93J851391	6.4	0.13	0.4	0.37	3.5	0.8	1	82.2	0.02	3.5	0.006	0.12	2.3	3.4	35	37
93J851392	4.2	0.01	0.4	0.36	2.4	0.1	1	21.9	0.02	1.3	0.061	0.05	0.4	1.6	38	52
93J851393	10.1	0.02	0.8	0.49	5.2	0.1	2	42.9	0.02	3.0	0.108	0.14	0.6	2.5	65	68
93J851394	5.5	0.02	0.2	0.15	3.0	0.1	2	35.4	0.02	1.0	0.055	0.1	0.6	2.5	40	42
93J851395	7.1	0.03	0.8	0.51	6.0	0.2	2	41.9	0.03	2.7	0.097	0.15	0.6	2.4	60	64
93J851396	9.8	0.02	0.7	0.46	6.2	0.2	1	59.1	0.02	2.5	0.077	0.08	1.1	2.6	53	57
93J851397	10.9	0.04	0.6	0.42	5.1	0.1	1	72.2	0.02	2.6	0.079	0.1	1.0	2.4	50	63
93J851398	4.2	0.34	0.4	0.45	4.0	1.3	1	84.8	0.02	0.8	0.022	0.1	1.1	1.6	25	36
93J851399	6.8	0.06	0.5	0.30	3.0	0.5	1	28.7	0.02	2.0	0.026	0.08	1.0	2.8	28	35
93J851400	6.7	0.06	0.5	0.30	3.0	0.4	1	29.5	0.02	2.0	0.027	0.09	0.9	2.4	30	35
93J851402	6.0	0.05	0.3	0.19	2.0	0.4	2	18.7	0.02	2.4	0.010	0.09	0.6	3.3	15	19
93J851403	5.8	0.02	0.6	0.37	3.1	0.3	1	24.7	0.02	2.0	0.054	0.06	0.3	2.1	38	44
93J851404	11.6	0.01	0.3	0.16	1.8	0.1	2	21.1	0.02	6.1	0.011	0.05	0.4	2.8	15	16
93J851405	16.0	0.03	0.2	0.13	2.2	0.1	1	68.4	0.02	10.6	0.011	0.05	0.4	2.9	15	14

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851406	17.5	0.03	0.3	0.13	2.7	0.2	1	65.4	0.02	8.8	0.010	0.06	0.4	2.8	15	15
93J851407	17.5	0.02	0.3	0.16	2.2	0.3	1	39.4	0.02	8.7	0.013	0.06	0.5	3.0	18	16
93J851409	12.3	0.04	0.1	0.09	2.7	0.2	1	87.5	0.02	7.1	0.002	0.05	0.4	2.5	18	14
93J851410	10.7	0.04	1	0.64	2.4	0.7	1	79.5	0.02	5.6	0.004	0.3	1.2	9.0	25	26
93J851411	9.8	0.02	0.6	0.37	3.2	0.5	1	18.0	0.02	3.4	0.008	0.12	0.6	2.6	25	27
93J851412	19.8	0.05	1.2	0.58	4.4	1.0	1	41.3	0.02	6.3	0.007	0.15	0.8	3.5	30	31
93J851413	19.5	0.04	0.7	0.43	2.9	0.5	1	35.5	0.02	2.3	0.005	0.1	0.4	2.6	20	19
93J851414	5.7	0.01	0.3	0.15	2.9	0.2	1	79.6	0.02	3.5	0.005	0.02	0.3	2.2	15	12
93J851415	2.2	0.03	0.1	0.08	1.8	0.2	1	52.1	0.02	0.9	0.003	0.09	0.1	1.2	5	4
93J851416	4.5	0.04	0.5	0.29	4.8	0.2	1	38.6	0.02	0.9	0.113	0.09	0.3	1.3	90	98
93J851417	8.4	0.03	0.5	0.27	4.8	0.2	1	32.8	0.02	2.6	0.078	0.14	1.6	3.5	65	69
93J851418	6.1	0.19	0.1	0.22	3.1	1.2	1	35.2	0.02	0.2	0.029	0.26	3.4	5.0	48	57
93J851419	4.0	0.03	0.3	0.20	2.4	1.0	1	35.8	0.02	1.2	0.050	0.08	2.7	6.9	43	47
93J851420	3.7	0.02	0.3	0.25	3.0	0.3	1	24.8	0.02	1.1	0.068	0.08	1.2	2.6	45	46
93J851422	5.8	0.04	0.3	0.17	3.5	1.2	1	35.6	0.02	1.5	0.067	0.17	4.0	9.0	80	78
93J851423	4.3	0.03	0.5	0.25	3.0	0.4	3	27.4	0.02	0.9	0.139	0.14	1.0	3.3	75	81
93J851424	2.2	0.09	0.3	0.14	2.8	0.6	1	31.9	0.02	0.6	0.054	0.06	1.7	3.5	35	39
93J851425	6.7	0.08	0.5	0.38	2.6	1.4	1	34.7	0.02	0.7	0.028	0.31	8.4	11.7	65	63
93J851427	6.8	0.02	0.5	0.34	3.3	0.2	1	27.9	0.02	2.1	0.068	0.12	0.9	3.3	50	52
93J851428	2.8	0.09	0.4	0.23	3.7	1.6	1	39.1	0.02	0.9	0.070	0.07	2.6	5.5	48	48
93J851429	2.9	0.08	0.4	0.25	3.6	1.5	1	36.4	0.02	1.0	0.065	0.06	2.2	4.9	45	45
93J851430	8.3	0.01	0.8	0.68	3.2	0.5	1	32.6	0.02	2.9	0.053	0.08	0.5	2.0	40	41
93J851431	3.5	0.02	0.4	0.30	7.7	0.3	1	23.8	0.02	1.0	0.197	0.07	0.6	1.4	118	147
93J851432	8.3	0.03	1.8	1.07	5.6	0.9	1	38.2	0.04	2.4	0.067	0.13	0.8	2.8	70	78
93J851433	6.8	0.02	0.9	0.60	5.3	0.5	1	40.5	0.02	1.8	0.091	0.11	0.8	1.7	60	80
93J851434	5.4	0.02	0.7	0.53	4.7	0.4	1	38.1	0.02	1.9	0.097	0.1	0.7	2.4	68	77
93J851435	4.6	0.01	0.3	0.22	1.7	0.2	1	16.0	0.02	2.0	0.025	0.04	0.3	1.8	20	21
93J851436	5.9	0.03	0.3	0.26	2.4	0.5	1	28.3	0.02	1.8	0.031	0.05	0.5	2.3	23	29
93J851437	6.1	0.02	0.3	0.20	2.0	0.2	1	20.4	0.02	3.6	0.028	0.04	0.4	4.1	20	25
93J851438	7.8	0.03	0.3	0.23	2.6	0.5	1	28.3	0.02	2.8	0.033	0.06	0.5	3.1	25	32
93J851439	11.6	0.02	0.9	0.57	2.4	0.6	1	28.6	0.02	6.2	0.021	0.08	0.6	2.7	33	35
93J851440	8.4	0.02	0.3	0.40	2.0	0.4	1	22.5	0.02	4.1	0.020	0.05	0.4	2.7	20	23
93J851442	10.0	0.02	0.3	0.29	2.8	0.4	1	26.1	0.02	2.7	0.025	0.07	0.5	2.1	23	27
93J851443	8.3	0.03	0.4	0.35	3.6	0.4	1	32.2	0.02	3.5	0.038	0.08	0.5	2.4	35	37
93J851444	5.8	0.02	0.3	0.18	3.0	0.2	1	24.1	0.02	2.0	0.055	0.12	1.9	5.3	38	41
93J851445	7.7	0.04	0.3	0.23	4.5	0.3	1	33.3	0.02	1.2	0.034	0.17	1.7	4.4	53	60
93J851446	5.7	0.24	0.3	0.49	1.0	0.8	1	40.4	0.02	0.1	0.006	0.09	1.5	1.9	25	24
93J851447	6.6	0.03	0.3	0.23	4.3	0.3	1	25.6	0.02	1.4	0.040	0.13	0.9	2.2	55	61
93J851448	9.5	0.19	0.4	0.55	4.5	3.2	1	67.7	0.02	1.3	0.015	0.13	5.1	7.2	43	45
93J851449	6.1	0.22	0.1	0.20	0.6	0.4	1	50.9	0.02	0.1	0.013	0.04	0.3	0.7	18	17
93J851450	8.2	0.13	0.3	0.41	4.9	0.8	1	53.1	0.02	0.8	0.026	0.09	2.1	3.5	35	38
93J851451	5.6	0.07	0.2	0.21	3.3	0.4	1	28.2	0.02	1.1	0.031	0.11	0.8	2.4	45	43
93J851452	6.5	0.02	0.3	0.25	3.7	0.2	1	25.2	0.02	1.5	0.055	0.08	0.8	2.1	50	54
93J851453	4.3	0.01	0.1	0.12	3.5	0.1	1	17.7	0.02	3.1	0.063	0.12	1.5	4.8	35	36
93J851454	6.7	0.02	0.3	0.25	3.4	0.2	1	25.3	0.02	1.8	0.043	0.1	1.0	3.4	40	45
93J851456	8.8	0.08	0.3	0.25	2.3	0.1	1	24.1	0.02	6.5	0.035	0.06	0.9	2.9	25	28
93J851457	9.0	0.01	0.3	0.20	2.1	0.2	1	16.5	0.02	3.7	0.033	0.05	0.9	4.3	25	29
93J851458	5.4	0.01	0.3	0.27	2.6	0.1	1	24.0	0.02	3.3	0.063	0.05	0.6	3.0	35	42
93J851459	5.6	0.02	0.1	0.20	1.8	0.2	1	14.8	0.02	3.6	0.030	0.05	0.7	2.7	20	23
93J851460	5.4	0.01	0.2	0.18	1.6	0.1	1	12.1	0.02	3.1	0.027	0.04	0.5	2.8	20	21
93J851462	5.2	0.06	0.3	0.27	2.9	0.4	1	34.2	0.02	0.9	0.034	0.11	0.9	2.4	38	37
93J851463	7.3	0.02	0.3	0.28	4.0	0.1	1	27.9	0.02	1.4	0.048	0.1	0.5	1.8	45	47

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851464	10.7	0.03	0.4	0.30	5.2	0.2	1	48.8	0.02	1.9	0.063	0.11	0.8	2.5	63	65
93J851465	9.8	0.01	0.7	0.34	7.9	0.3	1	50.0	0.03	3.5	0.079	0.13	1.1	2.8	65	68
93J851466	7.4	0.26	0.1	0.23	0.8	0.4	1	64.6	0.02	0.1	0.011	0.07	0.5	1.0	18	17
93J851467	6.6	0.06	0.1	0.26	2.0	0.2	1	29.5	0.02	0.4	0.044	0.07	0.4	1.5	33	35
93J851468	7.4	0.04	0.2	0.21	2.0	0.2	1	23.5	0.02	2.1	0.017	0.09	0.8	2.8	20	24
93J851469	9.6	0.03	0.3	0.30	4.5	0.3	2	41.4	0.02	3.0	0.055	0.11	1.0	3.0	45	47
93J851470	7.4	0.01	0.1	0.15	2.4	0.2	1	24.1	0.02	5.1	0.031	0.05	0.6	3.3	23	22
93J851471	6.6	0.01	0.1	0.13	2.1	0.1	1	21.2	0.02	4.0	0.027	0.04	0.5	2.8	18	21
93J851472	13.7	0.03	0.3	0.25	3.4	0.3	1	47.4	0.02	7.7	0.037	0.08	0.9	3.7	30	30
93J851474	5.7	0.01	0.2	0.17	1.4	0.1	1	10.2	0.02	5.1	0.028	0.04	0.7	2.8	20	25
93J851475	5.8	0.01	0.2	0.11	1.3	0.1	1	8.6	0.02	4.4	0.026	0.05	0.7	2.7	18	19
93J851476	11.1	0.01	0.2	0.16	2.1	0.2	1	14.4	0.02	4.0	0.031	0.1	1.0	3.0	25	28
93J851477	7.0	0.01	0.1	0.13	1.3	0.1	1	11.3	0.02	3.4	0.019	0.05	0.8	2.6	18	19
93J851478	14.2	0.01	0.7	0.38	7.6	0.3	1	42.5	0.03	4.0	0.050	0.14	0.7	2.4	65	72
93J851479	7.1	0.03	0.2	0.20	3.1	0.2	1	37.9	0.02	3.7	0.051	0.07	0.8	2.8	30	36
93J851480	8.5	0.06	0.2	0.26	2.9	1.0	1	21.6	0.02	2.6	0.008	0.12	0.9	3.6	18	22
93J851482	5.6	0.11	0.3	0.46	1.8	0.6	1	29.0	0.02	1.3	0.011	0.09	0.8	2.3	18	19
93J851483	4.4	0.01	0.6	0.41	4.3	0.2	1	39.3	0.02	1.6	0.081	0.12	0.6	2.3	43	49
93J851484	6.7	0.02	0.7	0.47	5.7	0.2	1	30.6	0.03	1.7	0.070	0.2	0.6	1.7	65	69
93J851485	5.7	0.02	0.6	0.42	5.5	0.3	1	30.2	0.02	1.9	0.075	0.11	0.8	1.8	50	58
93J851486	3.7	0.04	0.3	0.23	4.1	0.5	1	33.7	0.02	1.1	0.068	0.08	0.5	2.0	38	47
93J851487	6.6	0.07	0.5	0.53	6.6	0.5	2	40.2	0.02	1.3	0.050	0.16	0.8	1.7	53	60
93J851488	8.3	0.02	0.9	0.67	5.9	0.3	1	41.1	0.02	2.1	0.084	0.19	0.6	2.1	58	64
93J851489	5.6	0.12	0.3	0.43	5.1	1.1	1	49.3	0.03	0.6	0.030	0.1	2.7	4.7	38	45
93J851491	6.4	0.02	0.6	0.54	5.3	0.2	1	27.8	0.02	1.5	0.073	0.17	0.6	1.9	55	60
93J851492	5.0	0.01	0.4	0.48	3.6	0.1	1	26.6	0.02	1.2	0.061	0.09	0.4	1.7	35	43
93J851493	5.5	0.05	0.3	0.43	4.8	0.3	1	47.2	0.02	1.7	0.068	0.09	0.5	1.7	50	57
93J851494	5.7	0.01	0.7	0.58	5.6	0.1	1	44.9	0.03	2.0	0.079	0.14	0.5	2.2	55	59
93J851495	3.0	0.05	0.3	0.28	3.7	0.3	1	26.5	0.02	1.0	0.047	0.07	0.4	1.7	38	45
93J851496	7.8	0.06	0.7	0.53	6.1	0.3	1	42.8	0.02	2.4	0.067	0.16	0.8	1.5	55	60
93J851497	8.4	0.07	0.4	0.44	5.3	0.5	1	47.9	0.02	1.4	0.059	0.16	1.3	2.7	50	56
93J851498	3.6	0.05	0.3	0.27	4.2	0.4	1	33.9	0.02	0.9	0.050	0.08	0.5	2.1	43	51
93J851499	2.9	0.76	1	2.10	0.7	10.8	1	196.1	0.02	0.1	0.006	0.07	6.2	6.5	13	8
93J851500	2.3	0.72	0.4	0.92	2.0	4.9	1	152.8	0.02	0.4	0.013	0.06	6.2	2.4	13	11
93J851502	5.5	0.02	0.5	0.45	3.4	0.2	1	26.1	0.02	1.6	0.065	0.07	0.4	1.8	38	44
93J851504	6.9	0.02	0.9	0.76	4.8	0.3	1	42.6	0.02	1.9	0.061	0.1	0.5	1.9	48	51
93J851505	8.9	0.02	0.7	0.57	6.7	0.4	1	35.6	0.02	2.6	0.076	0.13	0.7	2.2	55	61
93J851506	5.1	0.01	0.7	0.64	4.3	0.4	1	25.0	0.02	1.6	0.061	0.08	0.7	2.7	35	50
93J851507	7.9	0.02	0.8	0.72	5.5	0.4	1	32.3	0.02	2.3	0.076	0.12	0.6	1.8	53	60
93J851508	6.2	0.02	0.6	0.60	4.6	0.2	1	27.5	0.02	1.7	0.070	0.09	0.5	1.8	40	51
93J851509	7.8	0.02	0.3	0.24	4.9	0.2	1	34.0	0.02	2.1	0.057	0.07	1.1	2.7	45	56
93J851510	16.9	0.13	0.5	0.43	6.2	0.4	1	66.6	0.03	2.5	0.069	0.12	0.9	2.7	60	64
93J851511	3.8	0.01	0.3	0.28	2.5	0.2	1	23.1	0.02	1.7	0.064	0.05	0.4	4.8	30	39
93J851512	9.7	0.01	0.3	0.36	4.9	0.2	1	33.6	0.02	2.1	0.076	0.09	0.5	1.9	48	58
93J851513	9.0	0.08	0.3	0.28	7.2	0.5	1	53.8	0.02	2.1	0.043	0.14	4.6	7.1	58	65
93J851514	11.1	0.01	0.7	0.43	9.1	0.1	1	61.9	0.03	3.4	0.075	0.16	0.7	2.5	70	78
93J851515	11.2	0.01	0.9	0.40	8.9	0.2	1	59.7	0.03	3.4	0.073	0.14	0.7	1.9	70	75
93J851516	6.6	0.12	0.9	0.79	7.8	1.2	1	67.0	0.04	1.2	0.044	0.17	2.3	3.5	60	65
93J851517	5.1	0.03	0.3	0.31	3.8	0.2	2	32.1	0.02	1.2	0.058	0.09	0.5	1.9	35	41
93J851518	5.6	0.04	0.4	0.41	5.5	0.3	1	50.2	0.02	1.2	0.067	0.14	0.9	2.2	60	67
93J851519	5.7	0.04	0.3	0.28	6.3	0.3	2	52.4	0.02	0.8	0.051	0.12	1.3	2.9	45	52
93J851520	4.6	0.8	0.7	1.04	9.7	6.0	1	110.8	0.02	1.0	0.023	0.17	5.2	6.6	55	49

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851522	4.0	0.03	0.2	0.24	5.0	0.4	1	32.9	0.02	1.1	0.061	0.1	0.6	1.5	40	46
93J851523	5.2	0.13	0.3	0.57	3.7	0.5	1	50.3	0.02	0.7	0.033	0.1	0.5	1.2	38	36
93J851524	11.2	0.12	0.4	0.55	3.7	0.6	1	43.1	0.02	0.5	0.035	0.09	1.0	2.1	40	42
93J851525	5.7	0.15	0.2	0.39	0.9	0.5	1	65.8	0.02	0.1	0.004	0.09	1.0	2.1	23	26
93J851526	6.5	0.05	0.2	0.31	3.3	0.2	1	36.3	0.02	0.5	0.040	0.08	0.5	2.3	33	37
93J851527	6.5	0.07	0.3	0.39	3.3	0.3	1	42.5	0.02	0.2	0.030	0.11	0.8	2.1	30	29
93J851529	7.4	0.01	0.3	0.36	5.7	0.8	1	54.6	0.02	1.3	0.053	0.08	1.9	3.7	60	64
93J851530	7.1	0.04	0.3	0.34	2.2	0.2	1	23.3	0.02	0.1	0.034	0.07	0.4	2.0	30	37
93J851531	4.5	0.01	0.4	0.39	3.4	0.2	1	30.1	0.02	1.2	0.061	0.08	0.4	1.9	55	63
93J851532	8.2	0.01	0.3	0.29	2.8	0.1	2	22.9	0.02	1.7	0.073	0.05	0.4	1.9	40	61
93J851533	5.5	0.01	0.3	0.30	4.2	0.1	1	32.4	0.02	1.2	0.060	0.07	0.4	2.0	40	49
93J851534	6.0	0.01	0.3	0.31	4.1	0.2	1	32.3	0.02	1.2	0.058	0.07	0.4	1.9	40	49
93J851535	4.1	0.01	0.3	0.27	3.1	0.3	1	34.1	0.02	0.9	0.050	0.05	0.6	1.9	35	44
93J851536	7.9	0.01	0.4	0.36	4.4	0.1	1	32.2	0.02	1.8	0.074	0.1	0.5	1.8	48	55
93J851537	5.8	0.01	0.2	0.33	4.3	0.2	2	38.2	0.02	1.2	0.064	0.06	0.3	1.8	40	46
93J851538	8.3	0.01	0.4	0.32	4.8	0.2	2	39.5	0.02	1.8	0.055	0.08	0.5	2.1	48	54
93J851539	6.9	0.01	0.5	0.51	4.6	0.1	1	33.0	0.02	1.6	0.070	0.09	0.4	2.0	50	67
93J851540	6.3	0.09	0.2	0.33	2.6	0.3	1	37.0	0.02	1.1	0.045	0.05	0.5	5.6	48	33
93J851542	5.3	0.01	0.4	0.22	3.2	0.2	1	34.5	0.02	2.1	0.077	0.05	0.7	1.8	35	42
93J851543	4.9	0.01	0.3	0.24	3.1	0.2	1	30.7	0.02	2.5	0.073	0.05	0.7	2.9	33	45
93J851544	4.7	0.01	0.3	0.23	2.7	0.1	1	31.7	0.02	2.4	0.069	0.05	0.6	2.8	30	38
93J851545	5.6	0.01	0.3	0.23	3.5	0.2	1	38.8	0.02	2.8	0.068	0.07	0.9	3.5	33	40
93J851546	8.5	0.01	0.4	0.28	4.0	0.2	1	42.4	0.02	3.5	0.070	0.08	1.0	2.8	40	44
93J851547	7.1	0.02	0.7	0.41	4.3	0.3	1	58.3	0.02	2.5	0.091	0.09	0.6	2.1	55	58
93J851548	12.1	0.02	0.7	0.38	5.9	0.2	1	60.0	0.03	4.3	0.049	0.12	1.0	2.7	60	60
93J851549	4.4	0.02	1.4	0.29	2.8	0.2	1	28.0	0.02	1.9	0.079	0.05	0.5	2.5	35	46
93J851550	14.4	0.01	0.9	0.40	6.6	0.3	1	44.9	0.02	4.3	0.075	0.14	0.9	2.9	75	78
93J851551	7.8	0.03	0.5	0.39	5.0	0.3	1	58.6	0.02	2.6	0.097	0.1	0.9	2.4	60	66
93J851552	7.4	0.04	0.3	0.29	4.4	0.3	2	54.7	0.02	2.0	0.068	0.09	1.0	2.3	50	54
93J851553	5.9	0.05	0.3	0.27	2.8	0.3	1	23.8	0.02	3.4	0.077	0.04	0.7	2.6	33	36
93J851554	5.9	0.02	0.3	0.28	2.8	0.3	1	22.4	0.02	3.7	0.086	0.04	0.6	2.6	30	37
93J851555	4.5	0.01	0.2	0.22	2.1	0.2	1	17.7	0.02	3.9	0.089	0.03	0.5	3.5	25	34
93J851556	13.5	0.02	1.1	0.35	3.9	0.2	1	35.8	0.02	2.4	0.088	0.08	0.5	2.1	48	57
93J851557	8.8	0.15	0.3	0.45	4.5	0.6	1	75.7	0.02	1.1	0.031	0.11	4.6	5.5	55	53
93J851558	5.4	0.03	0.3	0.27	3.4	0.1	1	33.9	0.02	2.3	0.071	0.06	1.3	2.9	38	42
93J851559	3.8	0.01	0.3	0.30	2.4	0.1	1	23.5	0.02	2.4	0.072	0.05	0.7	6.1	35	46
93J851562	4.0	0.04	0.3	0.23	2.7	0.1	1	30.3	0.02	1.7	0.067	0.06	0.5	1.9	33	37
93J851563	3.6	0.01	0.3	0.27	2.4	0.1	1	25.9	0.02	1.9	0.076	0.05	0.5	2.5	35	45
93J851564	4.3	0.01	0.5	0.35	2.6	0.1	1	28.8	0.02	3.0	0.086	0.06	0.5	2.7	40	62
93J851565	9.3	0.08	0.6	0.48	4.5	0.2	1	40.1	0.02	2.0	0.072	0.12	0.6	2.6	38	43
93J851566	6.2	0.02	0.5	0.28	3.7	0.1	1	36.0	0.02	2.6	0.083	0.08	0.7	2.5	40	49
93J851567	4.2	0.01	0.3	0.22	2.6	0.1	1	25.7	0.02	2.0	0.074	0.05	0.5	1.9	35	42
93J851568	7.3	0.02	0.5	0.23	3.1	0.2	1	34.4	0.02	3.7	0.066	0.07	0.8	3.0	35	39
93J851569	7.1	0.03	0.3	0.17	1.6	0.1	1	42.1	0.02	6.4	0.030	0.05	0.6	3.2	18	15
93J851570	8.0	0.04	0.3	0.18	1.8	0.2	1	45.5	0.02	7.0	0.034	0.06	0.8	3.8	18	17
93J851571	8.5	0.04	0.2	0.19	1.9	0.2	1	49.6	0.02	7.1	0.032	0.06	0.8	3.7	15	18
93J851572	5.0	0.03	0.1	0.14	1.3	0.1	1	37.5	0.02	12.6	0.035	0.03	1.1	11.3	15	24
93J851573	12.9	0.14	0.3	0.34	3.7	0.6	1	64.9	0.02	1.1	0.013	0.13	1.8	3.5	35	40
93J851574	9.0	0.02	0.3	0.27	4.6	0.3	1	41.1	0.02	3.1	0.067	0.09	1.1	3.0	53	57
93J851575	9.5	0.02	0.3	0.20	2.7	0.2	1	24.3	0.02	6.9	0.035	0.06	1.2	0.9	35	31
93J851577	12.8	0.05	0.3	0.23	2.9	0.3	1	47.6	0.02	8.5	0.037	0.09	1.0	4.0	25	26
93J851578	12.6	0.05	0.3	0.23	2.6	0.3	1	46.6	0.02	7.9	0.037	0.08	0.9	3.7	25	25

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851579	8.2	0.02	0.5	0.34	3.9	0.2	1	37.2	0.02	3.2	0.080	0.09	0.9	2.3	45	50
93J851580	15.4	0.01	0.3	0.27	2.8	0.3	1	21.5	0.02	9.9	0.035	0.08	1.0	3.8	25	27
93J851582	8.0	0.03	0.3	0.23	2.5	0.2	1	21.0	0.02	6.4	0.049	0.06	0.7	4.4	25	29
93J851583	8.1	0.09	5.1	4.35	3.2	3.9	1	47.6	0.12	1.4	0.013	0.1	0.7	2.8	25	27
93J851584	6.5	0.08	0.1	0.09	1.6	0.9	1	25.2	0.02	0.6	0.042	0.16	6.8	12.9	25	26
93J851585	8.0	0.03	0.1	0.08	2.3	0.2	1	26.6	0.02	1.2	0.056	0.2	2.8	7.2	30	31
93J851586	4.0	0.22	0.1	0.24	0.7	0.6	1	42.9	0.02	0.1	0.010	0.09	1.2	2.4	10	14
93J851587	15.6	0.08	0.2	0.20	4.2	0.5	1	25.7	0.02	3.3	0.046	0.22	3.8	8.3	85	85
93J851588	8.3	0.06	0.1	0.14	2.9	0.5	1	30.0	0.02	6.3	0.035	0.17	5.3	8.0	55	55
93J851589	11.6	0.03	0.2	0.16	3.2	0.3	1	23.3	0.02	3.3	0.041	0.16	4.0	11.1	50	50
93J851590	12.8	0.04	0.2	0.16	3.3	0.3	1	23.9	0.02	3.1	0.043	0.17	4.6	9.8	53	53
93J851591	3.5	0.26	0.1	0.16	0.6	0.4	1	58.8	0.02	0.1	0.003	0.1	0.9	0.7	10	6
93J851592	15.9	0.12	0.2	0.21	2.5	0.6	1	25.7	0.03	5.5	0.027	0.33	4.0	7.0	105	99
93J851593	-1.0	-1	0.2	-1.00	-1.0	-1.0	1	-1.0	-1	-1.0	-1.000	-1	-1.0	8.2	53	-1
93J851594	9.2	0.03	0.1	0.08	2.1	0.2	2	19.3	0.02	2.8	0.027	0.16	3.4	9.9	33	31
93J851595	6.7	0.02	0.5	0.38	2.1	0.7	2	27.0	0.02	1.6	0.018	0.09	0.6	2.9	25	26
93J851597	4.4	0.26	0.1	0.18	0.8	1.0	1	37.5	0.02	0.5	0.008	0.04	2.8	3.0	10	9
93J851598	10.1	0.05	0.5	0.50	3.4	1.4	1	25.2	0.02	3.6	0.007	0.09	0.8	3.5	25	27
93J851599	7.8	0.26	0.2	0.41	2.9	1.3	1	66.1	0.02	1.6	0.011	0.14	8.9	10.7	20	26
93J851600	4.3	0.55	0.2	0.28	1.8	1.2	1	54.2	0.02	1.7	0.009	0.09	2.0	2.8	20	20
93J851602	8.8	0.04	0.2	0.21	2.6	1.1	1	23.2	0.02	3.0	0.007	0.08	0.5	3.0	20	21
93J851603	23.7	0.02	0.3	0.32	1.9	0.3	1	14.7	0.02	11.9	0.004	0.05	1.6	5.3	15	15
93J851604	15.3	0.01	0.5	0.75	2.9	0.2	1	58.4	0.02	5.4	0.022	0.07	0.5	2.4	25	26
93J851605	31.8	0.03	0.3	0.29	1.6	0.3	1	11.8	0.03	8.3	0.002	0.03	3.0	7.0	15	12
93J851606	11.4	0.01	0.2	0.18	2.1	0.1	1	112.8	0.02	4.9	0.009	0.04	0.4	2.6	18	14
93J851607	8.6	0.01	0.1	0.15	2.0	0.5	1	35.8	0.02	2.5	0.008	0.05	0.4	2.9	15	15
93J851608	9.2	0.01	0.2	0.18	2.3	0.5	1	65.6	0.02	2.9	0.010	0.05	0.4	2.5	20	18
93J851609	8.0	0.01	0.2	0.17	2.1	0.3	1	45.0	0.02	3.5	0.018	0.06	0.4	3.0	20	20
93J851611	19.4	0.01	0.4	0.37	2.6	0.1	1	32.3	0.02	10.8	0.024	0.07	0.9	6.9	20	26
93J851612	7.4	0.02	0.2	0.23	2.7	0.4	1	23.1	0.02	3.7	0.033	0.06	0.5	2.8	25	29
93J851613	8.3	0.03	0.2	0.18	1.8	0.2	1	36.1	0.02	6.3	0.011	0.05	0.5	3.7	18	16
93J851614	7.4	0.03	1.5	1.29	4.0	1.4	1	37.6	0.02	3.0	0.050	0.09	1.2	3.5	45	56
93J851615	6.0	0.02	0.5	0.58	3.9	1.7	1	25.5	0.02	2.2	0.072	0.06	0.5	2.6	38	46
93J851616	5.1	0.02	0.9	0.74	7.3	1.6	1	32.2	0.02	1.3	0.169	0.09	1.0	2.2	80	102
93J851617	8.4	0.02	1.2	1.05	3.8	0.9	1	25.7	0.04	3.6	0.072	0.09	0.9	3.6	65	76
93J851618	9.8	0.45	5.1	3.94	5.5	7.3	1	72.0	0.11	2.0	0.005	0.2	2.4	5.9	63	73
93J851619	4.2	0.57	0.6	0.45	4.2	1.7	1	36.6	0.02	2.1	0.081	0.08	1.4	4.1	48	54
93J851620	15.0	0.06	0.6	0.63	3.5	0.9	1	62.9	0.02	0.7	0.044	0.16	2.4	4.2	55	59
93J851622	9.3	0.02	0.2	0.19	4.4	0.4	1	44.5	0.02	6.0	0.101	0.18	3.0	6.1	60	66
93J851623	7.4	0.01	0.2	0.17	4.1	0.3	1	39.7	0.02	5.3	0.092	0.18	3.0	13.1	50	61
93J851625	5.6	0.02	0.3	0.30	3.3	0.4	1	43.3	0.02	1.8	0.068	0.09	1.4	5.3	43	53
93J851626	4.8	0.01	0.6	0.57	3.1	0.2	1	24.8	0.02	1.9	0.085	0.08	0.4	2.7	50	74
93J851627	5.6	0.05	0.5	0.40	5.1	0.6	2	51.0	0.02	1.5	0.066	0.13	0.7	2.0	55	69
93J851628	3.8	0.07	0.4	0.34	4.8	0.5	2	36.9	0.02	1.3	0.051	0.13	0.6	2.0	50	57
93J851629	3.6	0.02	0.3	0.22	3.8	0.3	1	31.8	0.02	1.4	0.072	0.11	0.7	1.9	35	45
93J851630	5.1	0.03	0.4	0.35	4.6	0.4	1	42.8	0.02	1.1	0.056	0.12	0.6	2.4	45	50
93J851631	3.6	0.01	0.7	0.59	3.0	0.3	1	30.2	0.02	1.7	0.061	0.1	0.4	5.2	40	53
93J851632	4.2	0.01	0.2	0.21	4.1	0.4	1	35.8	0.02	1.4	0.061	0.15	1.3	3.6	50	57
93J851633	4.1	0.02	0.3	0.26	4.6	0.7	1	49.2	0.02	1.2	0.088	0.12	2.7	2.4	68	74
93J851634	3.4	0.01	0.3	0.23	3.8	0.5	1	37.2	0.02	1.1	0.080	0.1	1.8	2.6	50	62
93J851635	4.8	0.02	0.3	0.33	5.1	1.1	1	45.4	0.02	1.3	0.059	0.15	1.3	4.1	55	67
93J851636	5.8	0.01	0.5	0.46	3.6	0.3	1	29.7	0.02	2.0	0.070	0.1	0.8	2.5	45	60

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851637	5.1	0.06	0.3	0.44	6.4	0.5	1	42.6	0.02	0.6	0.045	0.15	0.8	2.2	55	60
93J851638	5.5	0.03	0.4	0.42	4.9	0.4	1	32.5	0.02	0.9	0.089	0.12	0.6	3.1	60	72
93J851639	6.0	0.04	0.4	0.38	5.6	1.6	1	44.7	0.02	1.3	0.065	0.11	1.3	2.7	55	89
93J851640	5.2	0.01	0.7	0.61	4.2	0.3	2	31.1	0.02	1.9	0.081	0.11	0.5	4.0	53	69
93J851642	4.6	0.02	0.3	0.35	3.6	0.6	1	32.3	0.02	1.4	0.052	0.15	4.7	2.3	55	55
93J851643	3.6	0.01	0.3	0.29	1.7	0.3	1	12.2	0.02	3.1	0.038	0.05	0.6	2.4	20	28
93J851644	7.0	0.01	0.4	0.25	3.7	0.3	1	28.8	0.02	1.9	0.048	0.09	1.0	2.1	40	52
93J851645	11.0	0.01	0.7	0.41	4.7	0.3	1	30.3	0.02	3.1	0.067	0.16	1.4	1.6	50	63
93J851646	6.3	0.01	0.3	0.30	3.5	0.3	1	22.9	0.02	2.5	0.064	0.09	1.1	2.6	40	51
93J851647	4.9	0.03	0.3	0.29	4.1	1.0	1	39.4	0.02	1.4	0.070	0.12	1.6	2.9	50	62
93J851648	5.5	0.01	0.3	0.28	3.7	0.5	1	27.2	0.02	2.0	0.062	0.09	1.1	4.7	43	52
93J851649	10.0	0.02	0.6	0.44	3.6	0.3	2	24.1	0.02	2.1	0.070	0.09	0.5	4.1	65	68
93J851650	29.4	0.08	1.8	0.76	10.1	1.3	1	41.9	0.03	3.7	0.021	0.21	1.0	2.2	110	108
93J851651	10.7	0.05	0.8	0.44	5.6	1.5	1	39.6	0.02	2.1	0.039	0.12	0.9	2.7	68	66
93J851653	5.1	0.05	0.4	0.37	2.7	0.8	1	27.6	0.02	0.9	0.062	0.08	0.6	2.4	55	56
93J851654	4.3	0.01	0.4	0.50	3.7	0.2	1	29.8	0.02	1.5	0.076	0.08	0.4	1.7	55	53
93J851655	4.8	0.01	0.4	0.48	3.0	0.1	1	22.1	0.02	3.0	0.074	0.05	0.3	3.3	45	50
93J851656	4.0	0.01	0.3	0.28	4.8	0.2	1	33.7	0.02	1.9	0.129	0.09	0.5	2.6	80	80
93J851657	4.3	0.01	0.3	0.27	5.0	0.2	1	34.2	0.02	1.6	0.122	0.09	0.6	2.4	85	83
93J851658	4.1	0.01	0.3	0.26	5.0	0.2	1	38.4	0.02	1.6	0.134	0.09	0.6	8.8	80	81
93J851659	7.0	0.1	0.6	0.61	3.9	0.8	1	41.0	0.02	2.0	0.047	0.09	2.0	2.4	60	54
93J851660	7.2	0.01	0.9	0.80	5.0	0.3	1	36.5	0.03	2.3	0.081	0.11	0.6	3.1	78	77
93J851662	7.0	0.07	1	0.62	4.3	0.4	2	41.0	0.02	1.6	0.064	0.19	0.5	2.1	80	80
93J851663	7.7	0.02	0.8	0.45	4.7	0.4	1	37.1	0.02	2.8	0.077	0.09	0.7	1.8	70	73
93J851665	6.4	0.01	0.8	0.42	4.9	0.3	1	28.0	0.02	3.1	0.089	0.13	0.5	1.4	63	57
93J851666	7.2	0.09	0.4	0.26	5.1	0.6	1	48.8	0.03	0.5	0.043	0.24	2.4	1.3	68	74
93J851667	4.0	0.21	0.4	0.49	1.6	1.1	1	57.4	0.02	0.1	0.013	0.18	3.3	3.1	20	22
93J851668	3.7	0.06	0.1	0.14	4.7	0.3	2	37.0	0.02	0.9	0.049	0.17	1.0	3.7	43	42
93J851669	4.5	0.32	0.4	0.54	4.0	2.1	1	106.0	0.03	0.4	0.015	0.18	4.3	1.9	38	32
93J851670	3.7	0.02	0.4	0.20	5.2	0.2	1	38.1	0.02	1.3	0.107	0.1	0.8	1.9	70	75
93J851671	5.3	0.06	0.6	0.29	8.0	0.6	1	46.8	0.02	0.8	0.062	0.14	1.3	2.4	85	79
93J851672	2.6	0.54	0.4	0.57	2.3	1.1	1	96.7	0.02	0.1	0.014	0.09	0.7	1.9	15	16
93J851673	13.3	0.02	0.8	0.32	6.5	0.2	2	47.2	0.02	2.8	0.052	0.14	0.9	1.5	73	74
93J851674	17.0	0.02	1	0.35	7.8	0.2	2	48.8	0.03	3.5	0.054	0.16	1.2	1.2	90	82
93J851675	9.4	0.03	0.2	0.17	2.6	0.2	1	19.1	0.02	3.3	0.025	0.07	0.6	2.3	28	25
93J851676	3.9	0.01	0.3	0.25	2.6	0.2	1	17.6	0.02	2.9	0.068	0.08	0.6	2.8	30	34
93J851677	4.7	0.04	0.3	0.15	3.3	0.5	1	36.1	0.02	0.9	0.047	0.14	2.3	2.4	45	45
93J851678	4.0	0.01	0.3	0.25	2.6	0.2	1	18.5	0.02	3.4	0.075	0.07	0.6	3.4	33	39
93J851679	7.6	0.01	0.6	0.30	5.0	0.1	1	27.0	0.02	4.1	0.097	0.14	0.8	4.7	55	57
93J851680	7.7	0.01	0.3	0.12	4.2	0.1	1	27.1	0.02	1.5	0.033	0.11	0.7	3.7	35	38
93J851682	9.8	0.05	0.3	0.23	3.5	0.3	3	35.2	0.02	1.7	0.034	0.11	0.9	2.7	35	37
93J851683	8.4	0.03	0.3	0.25	3.0	0.4	1	25.8	0.02	2.3	0.032	0.07	0.5	1.4	25	29
93J851684	8.7	0.01	0.1	0.18	2.2	0.1	1	17.3	0.02	5.2	0.036	0.07	0.7	1.8	25	28
93J851685	8.4	0.03	0.2	0.17	2.9	0.1	1	29.6	0.02	2.7	0.033	0.08	0.7	3.0	30	30
93J851686	7.4	0.01	0.5	0.25	5.6	0.1	1	49.4	0.02	3.9	0.092	0.08	0.7	2.2	53	55
93J851687	6.2	0.09	0.1	0.14	0.8	0.7	1	20.7	0.02	0.3	0.011	0.06	1.6	2.1	15	16
93J851688	6.1	0.08	0.1	0.13	1.4	0.6	1	17.3	0.02	0.8	0.010	0.07	1.0	1.6	15	17
93J851689	12.4	0.04	0.1	0.16	1.8	0.5	1	19.3	0.02	0.9	0.012	0.11	0.6	7.8	20	22
93J851690	9.4	0.11	0.5	0.47	4.8	0.6	1	48.0	0.02	0.8	0.044	0.19	1.2	2.5	60	57
93J851692	5.3	0.19	0.4	0.47	0.8	1.1	1	57.7	0.02	0.1	0.006	0.14	1.3	3.1	28	25
93J851693	5.2	0.22	0.2	0.28	2.4	1.1	1	90.3	0.02	0.1	0.009	0.18	1.6	3.2	25	22
93J851694	14.1	0.02	0.8	0.57	6.2	0.5	1	30.8	0.02	3.9	0.037	0.11	0.8	3.4	43	46

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851695	8.6	0.09	0.6	0.38	8.9	0.8	1	66.2	0.02	1.8	0.040	0.24	2.7	3.4	70	70
93J851696	7.8	0.08	0.4	0.35	8.5	0.8	1	62.7	0.02	1.8	0.039	0.21	2.6	2.4	65	67
93J851697	6.2	0.03	0.2	0.24	5.0	0.4	1	37.0	0.02	1.7	0.063	0.1	0.9	3.7	45	51
93J851698	6.5	0.02	0.2	0.26	5.6	0.5	1	36.2	0.02	1.9	0.076	0.09	1.3	3.3	50	55
93J851699	7.8	0.04	0.4	0.23	5.5	0.3	1	42.8	0.02	1.5	0.048	0.11	1.0	1.7	45	53
93J851700	7.2	0.03	0.4	0.34	5.3	0.2	1	45.5	0.02	2.0	0.072	0.08	0.7	2.1	50	59
93J851702	9.0	0.02	0.2	0.21	5.3	0.3	1	49.6	0.02	0.6	0.052	0.16	1.4	3.1	38	44
93J851703	7.1	0.03	0.3	0.32	4.5	0.3	1	34.0	0.02	1.6	0.060	0.1	1.0	2.7	45	50
93J851705	4.4	0.02	0.3	0.23	4.6	0.4	1	28.3	0.02	1.3	0.067	0.09	1.0	2.2	45	50
93J851706	9.7	0.06	0.3	0.25	6.6	0.6	1	44.0	0.02	1.5	0.039	0.16	1.7	3.2	65	70
93J851707	4.0	0.01	0.2	0.31	2.9	0.2	1	19.6	0.02	1.4	0.071	0.06	0.4	1.5	45	51
93J851708	6.6	0.06	0.4	0.35	5.4	0.5	1	42.8	0.02	1.4	0.070	0.12	0.7	2.1	48	54
93J851709	4.2	0.02	0.4	0.29	4.1	0.5	1	29.9	0.02	1.0	0.061	0.08	0.6	1.4	45	47
93J851710	5.0	0.01	0.3	0.30	3.2	0.1	1	19.9	0.02	1.4	0.071	0.07	0.4	1.4	40	46
93J851711	2.3	0.02	0.3	0.17	3.0	0.1	1	17.5	0.02	1.1	0.091	0.04	0.3	1.8	38	46
93J851712	2.7	0.01	0.2	0.18	3.2	0.1	2	17.7	0.02	1.1	0.087	0.04	0.3	0.6	38	43
93J851713	3.6	0.02	0.1	0.19	2.7	0.1	1	21.9	0.02	1.0	0.064	0.04	0.3	1.9	30	34
93J851714	6.9	0.09	0.2	0.28	6.4	0.8	1	49.5	0.02	1.7	0.042	0.07	1.5	2.4	38	44
93J851715	2.9	0.57	0.2	0.45	2.3	3.0	1	120.3	0.02	0.4	0.018	0.04	2.7	2.6	20	19
93J851716	2.2	0.04	0.1	0.14	2.4	0.3	1	30.3	0.02	0.9	0.050	0.03	0.6	1.7	25	26
93J851717	3.2	0.21	0.1	0.20	3.4	0.8	1	46.7	0.02	0.9	0.047	0.07	1.2	1.9	30	32
93J851718	4.0	0.05	0.2	0.27	3.9	0.6	1	39.5	0.02	0.9	0.046	0.08	0.6	1.5	30	33
93J851719	3.0	0.02	0.3	0.16	3.5	0.3	1	23.6	0.02	1.1	0.060	0.07	0.5	1.8	35	39
93J851720	3.3	0.02	0.2	0.17	3.7	0.2	1	24.1	0.02	1.1	0.060	0.07	0.5	1.5	30	37
93J851722	4.9	0.05	0.6	0.32	6.3	0.5	1	39.1	0.02	1.3	0.067	0.19	0.8	2.4	70	70
93J851723	6.2	0.07	0.6	0.37	7.7	0.5	1	52.0	0.02	1.3	0.058	0.25	1.0	2.7	85	87
93J851724	5.8	0.1	0.4	0.34	5.6	0.7	2	49.2	0.02	1.3	0.060	0.16	1.4	2.4	50	53
93J851726	7.1	0.03	1.4	1.12	6.0	0.4	1	49.3	0.02	2.3	0.075	0.21	0.5	1.8	70	70
93J851727	4.6	0.01	0.6	0.62	4.4	0.2	1	30.1	0.02	1.9	0.096	0.08	0.4	1.7	55	72
93J851728	5.6	0.01	0.6	0.65	5.2	0.3	1	31.3	0.02	1.9	0.091	0.13	0.5	1.6	55	65
93J851729	6.2	0.02	0.1	0.22	2.0	0.2	2	26.6	0.02	2.8	0.042	0.08	0.4	2.0	33	38
93J851730	5.6	0.23	0.2	0.19	0.9	0.5	1	59.4	0.02	0.2	0.005	0.03	0.4	0.5	13	7
93J851731	6.1	0.04	0.2	0.13	1.3	0.1	1	15.4	0.02	0.6	0.025	0.06	0.5	1.9	25	25
93J851732	3.7	0.24	0.2	0.22	0.6	0.5	1	53.1	0.02	0.1	0.004	0.03	0.5	0.7	3	8
93J851733	7.9	0.01	0.6	0.33	4.5	0.1	1	39.0	0.02	3.7	0.089	0.09	0.5	2.5	50	50
93J851734	7.4	0.01	0.5	0.37	4.5	0.1	1	37.8	0.02	3.7	0.093	0.08	0.6	2.4	50	53
93J851735	4.8	0.02	0.2	0.25	1.6	0.4	1	20.5	0.02	2.7	0.017	0.08	0.5	2.7	18	17
93J851736	5.6	0.02	0.3	0.36	1.5	0.5	1	25.2	0.02	2.3	0.016	0.1	0.6	2.8	18	19
93J851737	7.4	0.06	0.3	0.29	6.0	0.5	1	35.9	0.02	1.3	0.059	0.14	1.3	2.7	55	56
93J851738	4.8	0.03	0.2	0.20	4.9	0.4	1	29.4	0.02	1.1	0.032	0.14	1.2	2.4	35	39
93J851739	5.6	0.05	0.3	0.23	4.4	0.4	1	44.9	0.02	1.1	0.051	0.08	3.9	5.0	45	47
93J851740	5.3	0.04	0.1	0.16	2.0	0.1	1	21.9	0.02	0.2	0.039	0.05	0.3	1.3	20	26
93J851742	3.7	0.27	0.4	0.46	1.9	0.9	1	56.0	0.02	0.1	0.011	0.07	0.6	2.6	25	25
93J851743	6.1	0.04	0.4	0.30	4.3	0.6	1	39.5	0.02	1.5	0.049	0.09	1.4	2.7	55	58
93J851744	5.3	0.01	0.4	0.39	3.1	0.2	1	23.0	0.02	3.0	0.067	0.06	0.5	2.8	40	49
93J851745	7.1	0.08	0.6	0.48	5.6	0.3	1	40.7	0.02	2.5	0.067	0.09	0.5	2.3	55	61
93J851746	5.5	0.02	0.8	0.28	2.0	0.2	1	14.3	0.02	3.5	0.020	0.07	0.7	3.5	20	23
93J851747	7.5	0.01	0.4	0.44	2.0	0.2	1	24.7	0.02	2.0	0.019	0.08	0.5	2.5	20	22
93J851748	8.3	0.03	0.4	0.26	8.5	0.3	1	36.8	0.02	3.7	0.055	0.1	1.2	3.0	55	56
93J851749	10.7	0.02	0.8	0.43	7.1	0.3	1	44.5	0.04	2.3	0.053	0.13	0.7	2.5	75	75
93J851750	3.5	0.02	0.4	0.28	3.1	0.2	1	27.7	0.02	1.4	0.065	0.05	0.4	1.7	43	47
93J851751	3.3	0.01	0.4	0.28	2.9	0.2	1	25.6	0.02	1.4	0.070	0.04	0.3	1.3	40	45

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851753	7.3	0.03	0.3	0.27	3.7	0.3	1	26.0	0.03	1.3	0.045	0.09	0.8	2.4	45	51
93J851754	2.6	0.38	0.4	0.84	2.1	1.4	1	105.4	0.02	0.3	0.010	0.07	0.5	0.5	20	19
93J851755	5.5	0.24	0.5	0.76	8.1	2.4	1	103.2	0.03	1.0	0.016	0.29	8.0	8.6	33	36
93J851756	4.6	0.02	0.6	0.51	3.9	0.3	1	32.4	0.02	1.8	0.072	0.11	0.5	2.2	55	55
93J851757	6.8	0.02	0.4	0.50	5.1	0.4	1	33.8	0.02	3.2	0.093	0.18	0.9	2.5	58	57
93J851758	4.9	0.35	0.1	0.53	2.0	3.8	1	99.5	0.02	0.1	0.009	0.07	5.3	5.9	35	34
93J851759	10.1	0.03	0.2	0.07	0.9	0.4	1	25.8	0.02	6.4	0.004	0.05	3.1	7.3	10	3
93J851760	12.5	0.04	0.4	0.07	1.1	0.4	1	32.6	0.02	6.6	0.005	0.06	3.9	9.5	10	9
93J851762	3.9	0.25	0.3	0.20	0.4	0.6	1	41.0	0.02	0.1	0.003	0.04	0.6	0.8	10	10
93J851763	15.7	0.04	0.3	0.29	4.2	0.4	1	22.0	0.02	3.9	0.099	0.18	1.8	3.1	63	66
93J851764	7.0	0.01	0.6	0.25	3.4	0.2	1	27.3	0.02	2.6	0.098	0.11	0.9	2.3	45	52
93J851765	5.0	0.02	0.1	0.52	4.0	0.3	1	32.0	0.02	1.4	0.096	0.08	0.4	1.4	73	88
93J851766	7.2	0.01	0.7	0.51	3.0	0.2	1	25.1	0.03	4.1	0.069	0.06	0.6	3.2	40	59
93J851767	7.9	0.04	0.5	0.34	5.1	0.7	1	39.8	0.03	1.5	0.067	0.11	1.5	2.8	60	65
93J851768	12.0	0.03	0.4	0.30	2.8	0.3	1	18.9	0.02	3.7	0.019	0.08	0.6	3.1	20	24
93J851769	11.3	0.01	0.4	0.29	2.8	0.2	1	16.3	0.02	5.2	0.023	0.07	0.4	2.4	20	23
93J851770	9.1	0.42	0.1	0.19	2.1	2.8	1	84.6	0.02	2.8	0.006	0.05	26.2	27.5	13	11
93J851771	13.3	0.02	0.4	0.24	3.2	0.4	1	16.3	0.02	5.9	0.013	0.07	0.7	3.6	20	20
93J851772	6.7	0.03	0.2	0.16	1.6	0.3	1	21.3	0.02	2.9	0.021	0.03	0.3	2.2	15	17
93J851773	10.0	0.07	0.2	0.25	2.4	0.6	1	41.4	0.03	1.8	0.014	0.07	0.9	2.0	20	22
93J851774	8.1	0.03	0.2	0.13	2.0	0.3	1	18.9	0.02	3.2	0.015	0.06	1.4	3.7	20	21
93J851776	9.6	0.03	0.1	0.09	0.9	0.2	1	17.7	0.02	0.8	0.006	0.08	0.4	2.2	15	20
93J851777	8.1	0.03	0.4	0.31	3.2	0.3	1	24.5	0.03	4.3	0.055	0.07	0.6	2.9	35	39
93J851778	8.6	0.28	0.4	0.44	5.8	0.6	1	65.2	0.02	2.0	0.062	0.09	0.8	2.2	43	48
93J851779	6.8	0.18	0.2	0.22	5.0	0.4	1	52.8	0.02	1.6	0.060	0.08	0.9	2.0	40	42
93J851780	6.4	0.05	0.4	0.31	4.3	0.8	1	38.1	0.02	1.4	0.055	0.07	0.7	1.8	43	52
93J851782	9.8	0.19	0.5	0.49	6.4	0.4	2	57.1	0.02	2.2	0.075	0.1	0.9	2.4	58	59
93J851783	6.6	0.02	0.6	0.42	4.6	0.3	1	32.9	0.02	1.7	0.069	0.07	0.5	1.7	45	50
93J851784	5.4	0.02	0.6	0.45	3.2	0.3	1	28.5	0.02	1.8	0.102	0.07	0.6	1.9	90	120
93J851785	8.8	0.05	0.4	0.45	5.7	0.4	1	48.4	0.02	1.8	0.061	0.08	0.7	2.6	50	55
93J851786	9.6	0.02	0.7	0.56	6.0	0.3	1	48.6	0.02	2.0	0.083	0.08	0.6	1.8	63	65
93J851787	9.4	0.01	0.8	0.52	6.6	0.2	1	52.3	0.02	2.2	0.090	0.08	0.5	1.7	65	71
93J851788	10.7	0.02	0.5	0.40	4.9	0.3	1	35.8	0.02	1.5	0.070	0.09	0.6	1.7	60	71
93J851789	6.6	0.35	0.4	0.33	4.7	0.3	1	55.5	0.02	1.6	0.064	0.07	1.2	2.7	55	60
93J851790	5.4	0.05	0.4	0.35	4.0	0.3	1	40.3	0.02	1.3	0.062	0.06	0.4	1.6	50	55
93J851791	6.5	0.02	0.6	0.38	4.3	0.1	1	30.7	0.02	1.3	0.069	0.05	0.4	1.8	58	65
93J851793	5.7	0.04	0.4	0.31	3.7	0.5	2	40.1	0.02	1.6	0.062	0.07	0.7	2.7	48	51
93J851794	6.0	0.04	0.4	0.33	4.2	0.2	1	37.1	0.02	1.6	0.063	0.07	0.5	1.7	45	51
93J851795	9.1	0.06	0.4	0.31	4.5	0.2	2	78.1	0.03	0.9	0.039	0.09	2.0	3.6	50	54
93J851796	8.0	0.02	0.4	0.22	4.2	0.1	2	41.2	0.03	1.2	0.059	0.08	0.5	2.4	48	46
93J851797	4.7	0.03	0.3	0.16	3.7	0.2	2	33.0	0.02	1.3	0.057	0.08	0.9	2.7	35	38
93J851798	8.7	0.04	0.3	0.31	4.4	0.4	2	24.9	0.02	2.8	0.043	0.09	1.0	2.7	45	48
93J851799	2.7	0.41	0.2	0.29	2.3	1.2	1	32.5	0.02	0.1	0.021	0.07	0.8	1.7	30	26
93J851800	2.7	0.37	0.2	0.27	2.6	1.1	1	32.2	0.02	0.1	0.025	0.06	0.8	1.5	30	27
93J851802	6.9	0.04	0.4	0.32	2.2	0.6	2	22.8	0.02	2.3	0.010	0.13	0.7	2.4	25	29
93J851803	3.4	0.62	0.2	0.52	1.6	19.6	1	88.3	0.02	0.6	0.008	0.04	7.3	9.3	15	14
93J851804	6.3	0.04	0.1	0.14	2.7	0.5	1	21.7	0.02	2.1	0.027	0.07	0.4	2.4	25	27
93J851805	5.2	0.04	0.1	0.13	2.2	0.4	2	20.2	0.02	1.8	0.025	0.06	0.3	1.8	25	26
93J851806	7.3	0.04	0.3	0.22	3.3	0.4	1	22.0	0.02	1.9	0.035	0.09	0.6	2.5	40	40
93J851807	5.7	0.02	0.3	0.27	1.6	0.2	1	40.6	0.02	3.6	0.025	0.03	0.4	2.5	20	19
93J851808	8.0	0.01	0.1	0.22	1.8	0.3	1	29.0	0.02	2.0	0.024	0.06	0.4	2.5	23	25
93J851809	5.0	0.03	0.3	0.29	2.2	0.4	1	25.3	0.02	2.3	0.063	0.05	0.5	3.3	45	55

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MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851810	3.1	0.06	0.2	0.19	4.5	0.6	1	44.2	0.02	1.0	0.080	0.1	0.7	1.7	48	53
93J851811	4.0	0.05	0.3	0.22	4.8	0.7	1	43.5	0.02	0.9	0.081	0.12	1.3	2.4	68	70
93J851813	-1	-1	0.4	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1.0	70	-1
93J851814	14.2	0.04	0.4	0.24	4.6	0.4	1	47.8	0.02	12.6	0.106	0.24	4.2	9.1	73	74
93J851815	6.6	0.01	0.6	0.34	5.0	0.2	1	39.6	0.02	1.8	0.089	0.09	0.4	1.5	50	58
93J851816	8.3	0.01	0.5	0.35	5.6	0.2	1	41.9	0.02	2.0	0.082	0.1	0.5	2.1	63	63
93J851817	7.1	0.05	0.5	0.35	5.4	0.3	1	41.3	0.02	1.4	0.059	0.11	0.5	2.8	55	54
93J851818	6.5	0.03	1	0.51	5.5	0.3	1	45.1	0.03	2.4	0.090	0.15	0.5	2.1	55	62
93J851819	3.9	0.01	0.5	0.33	3.3	0.2	1	25.2	0.02	1.4	0.083	0.06	0.4	2.1	55	72
93J851820	3.7	0.01	0.4	0.32	3.0	0.1	1	23.2	0.02	1.1	0.080	0.05	0.3	2.0	55	71
93J851823	6.7	0.04	0.6	0.32	5.9	0.4	1	36.8	0.02	1.8	0.078	0.05	0.6	1.8	63	65
93J851824	1.9	0.49	0.2	0.16	1.9	0.7	1	47.6	0.02	0.5	0.029	0.04	0.3	0.6	20	19
93J851825	2.9	0.07	0.2	0.14	3.8	0.2	1	35.9	0.02	0.9	0.097	0.09	0.5	1.8	40	46
93J851826	5.2	0.07	0.4	0.26	7.4	0.7	1	54.2	0.02	1.3	0.048	0.14	1.3	2.2	48	49
93J851827	4.0	0.14	0.4	0.48	4.8	0.7	1	50.2	0.02	0.9	0.044	0.09	0.4	1.0	53	44
93J851828	6.8	0.24	0.3	0.30	7.6	2.0	1	68.3	0.02	1.5	0.045	0.18	24.8	26.9	55	58
93J851829	3.1	0.2	0.4	0.55	3.1	1.1	1	69.3	0.02	0.3	0.025	0.07	0.9	1.3	35	28
93J851830	4.0	0.14	0.3	0.24	4.8	0.8	1	46.2	0.02	1.0	0.052	0.09	1.1	2.3	45	48
93J851831	2.8	0.53	0.1	0.28	3.4	2.5	1	103.1	0.02	0.6	0.018	0.07	1.8	1.8	20	17
93J851832	6.2	0.04	0.8	0.38	4.8	0.3	2	34.7	0.03	1.1	0.115	0.08	0.5	1.6	125	131
93J851833	6.5	0.12	0.1	0.19	1.3	0.4	1	34.4	0.02	0.6	0.046	0.08	0.4	2.4	40	38
93J851834	8.2	0.26	0.1	0.16	3.0	1.5	1	52.6	0.02	0.6	0.036	0.17	6.4	7.8	50	52
93J851835	5.6	0.4	0.3	0.43	4.3	1.7	1	105.3	0.02	0.7	0.024	0.12	4.3	5.2	30	31
93J851836	4.7	0.04	0.3	0.15	5.0	0.4	1	37.6	0.02	1.4	0.061	0.13	1.5	3.4	43	49
93J851837	1.5	0.09	0.2	0.09	2.3	0.3	1	29.5	0.02	0.9	0.056	0.06	0.3	1.1	30	32
93J851838	1.6	0.13	0.2	0.10	2.5	0.4	2	34.9	0.02	0.8	0.061	0.06	0.4	1.6	30	34
93J851839	5.4	0.05	0.1	0.04	2.0	0.2	3	20.0	0.02	10.4	0.028	0.1	3.5	12.4	25	24
93J851840	15.9	0.03	0.2	0.10	2.7	0.3	2	17.6	0.02	1.9	0.044	0.15	2.4	5.3	40	43
93J851842	5.4	0.01	0.1	0.07	1.4	0.1	2	12.9	0.02	3.0	0.034	0.07	0.8	5.7	20	23
93J851843	9.8	0.03	0.1	0.16	2.6	0.3	2	23.1	0.02	4.3	0.057	0.15	2.0	9.1	40	42
93J851844	6.0	0.02	0.2	0.13	2.7	0.2	1	29.1	0.02	5.2	0.072	0.1	1.3	3.7	35	40
93J851845	10.0	0.02	0.2	0.13	2.8	0.2	1	17.3	0.02	3.8	0.062	0.15	2.1	8.2	40	42
93J851846	7.8	0.05	0.2	0.15	2.1	0.6	1	26.4	0.02	1.2	0.040	0.13	2.0	6.9	35	42
93J851847	10.6	0.05	0.2	0.15	2.7	1.1	2	29.6	0.02	1.2	0.047	0.21	6.2	10.9	40	45
93J851848	6.4	0.04	0.6	0.49	3.3	0.9	1	24.8	0.02	1.8	0.058	0.09	1.3	4.0	45	51
93J851850	7.1	0.11	1.8	1.12	6.9	1.9	1	50.2	0.04	5.8	0.025	0.12	1.7	2.4	68	67
93J851851	5.2	0.25	0.9	0.83	6.7	13.9	1	59.1	0.02	0.8	0.027	0.13	1.9	3.0	45	56
93J851852	14.2	0.03	1.6	0.89	4.6	1.0	1	29.6	0.05	4.7	0.027	0.11	1.2	3.7	30	35
93J851853	13.1	0.03	1.6	0.86	4.4	0.8	1	29.1	0.03	4.5	0.027	0.11	1.1	3.7	30	35
93J851854	9.6	0.23	1.4	1.43	6.9	7.2	1	84.7	0.02	0.9	0.035	0.23	11.9	13.0	38	43
93J851855	11.1	0.09	2	1.38	2.8	3.8	1	51.7	0.06	3.9	0.018	0.13	1.5	5.0	23	26
93J851856	11.8	0.05	2	1.27	4.5	2.6	1	36.8	0.04	3.2	0.025	0.1	2.0	4.6	38	41
93J851857	13.4	0.26	0.4	0.38	4.3	4.2	2	56.5	0.02	1.2	0.022	0.15	3.8	6.4	40	43
93J851858	8.4	0.06	0.2	0.19	3.0	1.0	1	30.5	0.02	2.5	0.046	0.11	1.8	5.2	35	38
93J851859	3.1	0.39	0.1	0.09	0.5	0.7	1	140.8	0.02	0.2	0.006	0.07	0.7	1.3	5	2
93J851860	4.1	0.02	0.1	0.08	1.6	0.3	1	14.5	0.02	4.0	0.043	0.08	2.0	7.3	28	24
93J851862	6.9	0.05	0.1	0.06	1.5	0.5	1	17.1	0.02	0.7	0.034	0.16	2.5	5.7	30	31
93J851863	11.3	0.1	0.1	0.16	4.1	0.3	1	30.9	0.02	1.8	0.079	0.28	3.0	6.3	50	49
93J851864	4.8	0.18	0.1	0.08	0.4	0.3	1	63.2	0.02	0.1	0.005	0.03	1.7	1.9	5	3
93J851865	13.3	0.04	0.1	0.09	2.9	0.2	1	16.3	0.02	1.8	0.046	0.29	3.4	7.7	40	39
93J851866	11.1	0.06	0.2	0.21	3.0	0.9	1	29.7	0.02	4.1	0.054	0.2	3.8	9.4	50	52
93J851867	5.6	0.02	0.2	0.19	2.2	0.3	1	21.9	0.02	5.5	0.050	0.1	1.9	7.8	35	42

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851868	4.8	0.01	0.1	0.14	1.8	0.2	1	16.7	0.02	7.7	0.049	0.09	2.7	15.2	28	28
93J851869	7.4	0.08	0.1	0.15	2.7	1.8	1	25.9	0.02	3.0	0.056	0.15	8.6	13.7	28	29
93J851870	7.6	0.04	0.1	0.16	2.3	1.2	1	23.8	0.02	1.0	0.031	0.16	3.9	7.5	40	40
93J851871	5.4	0.09	1.4	1.13	5.6	1.5	1	44.1	0.03	1.7	0.027	0.1	1.1	2.5	65	61
93J851872	4.3	0.05	0.5	0.46	4.1	0.7	1	30.6	0.02	2.3	0.062	0.07	0.6	3.8	50	53
93J851873	3.8	0.03	0.4	0.39	3.7	0.4	1	27.6	0.02	4.2	0.066	0.06	0.7	2.9	45	50
93J851874	1.6	2.97	0.1	0.04	0.3	0.5	1	77.1	0.02	0.1	0.002	0.02	0.4	0.5	5	2
93J851876	4.1	0.12	0.4	0.48	4.1	1.5	1	37.0	0.02	0.8	0.068	0.07	1.6	3.0	53	51
93J851877	5.1	0.55	0.4	0.65	1.8	7.5	1	97.1	0.02	0.2	0.009	0.15	1.4	1.5	20	19
93J851878	1.9	0.89	0.4	0.90	0.6	19.0	1	133.5	0.02	0.1	0.002	0.1	0.8	0.7	15	8
93J851879	5.0	0.3	0.6	0.83	4.9	8.5	1	45.5	0.02	1.6	0.028	0.15	3.3	4.9	30	32
93J851880	6.9	0.14	0.3	0.37	4.6	4.5	1	57.1	0.02	1.8	0.028	0.13	1.6	3.9	30	38
93J851882	2.0	0.71	0.2	0.29	1.0	3.4	1	86.7	0.02	0.2	0.006	0.05	0.7	1.0	10	7
93J851883	3.6	0.11	0.2	0.23	3.6	1.9	1	41.6	0.02	0.8	0.043	0.14	2.4	4.0	38	40
93J851884	3.6	0.44	0.3	0.60	1.8	2.1	1	30.4	0.02	0.5	0.013	0.11	1.7	1.9	35	33
93J851885	3.1	0.52	0.1	0.16	0.4	1.0	1	42.7	0.02	0.2	0.003	0.02	1.2	1.2	8	4
93J851886	4.5	0.54	0.1	0.27	1.8	1.5	1	36.6	0.02	1.0	0.014	0.18	1.4	1.7	20	20
93J851887	3.4	0.54	0.2	0.33	0.5	5.2	1	48.5	0.02	0.2	0.003	0.03	29.6	34.1	33	27
93J851888	19.2	0.04	0.3	0.25	2.5	0.4	1	16.3	0.02	10.5	0.018	0.05	1.1	4.6	15	17
93J851890	12.3	0.01	0.3	0.17	1.9	0.3	1	17.0	0.02	4.7	0.010	0.07	0.5	3.4	20	22
93J851891	2.8	0.3	0.3	0.21	1.2	3.6	1	25.6	0.02	0.7	0.015	0.04	1.9	3.2	13	12
93J851892	7.9	0.2	0.4	0.35	2.3	1.5	1	32.1	0.02	1.4	0.013	0.2	1.4	3.0	23	26
93J851893	4.8	0.4	0.1	0.31	0.6	1.1	1	53.2	0.02	0.2	0.006	0.05	2.6	3.2	13	10
93J851894	9.2	0.27	0.1	0.16	2.1	1.2	1	33.7	0.02	2.7	0.009	0.05	0.7	2.1	10	12
93J851895	10.1	0.21	0.1	0.13	2.7	1.2	1	32.3	0.02	3.7	0.008	0.09	0.9	3.0	15	15
93J851896	8.3	0.31	0.1	0.17	2.0	1.2	1	36.4	0.02	2.4	0.009	0.05	0.9	2.1	13	13
93J851897	3.7	0.54	0.1	0.17	0.2	1.0	1	70.3	0.02	0.1	0.002	0.04	0.6	0.8	5	2
93J851898	15.1	0.07	0.4	0.31	2.9	0.9	1	19.5	0.02	3.6	0.004	0.18	3.6	7.6	15	20
93J851899	18.6	0.05	0.5	0.40	3.8	0.9	1	26.2	0.02	2.9	0.008	0.14	1.1	4.6	20	29
93J851900	11.0	0.03	0.3	0.25	3.6	0.4	1	20.3	0.02	2.9	0.019	0.1	0.7	3.3	28	34
93J851902	8.2	0.2	0.1	0.20	3.3	1.3	1	34.9	0.02	1.3	0.008	0.14	1.7	2.9	25	24
93J851903	11.1	0.11	0.7	0.45	3.4	1.1	1	42.2	0.02	1.5	0.013	0.21	7.4	9.7	40	41
93J851904	3.8	0.13	0.1	0.14	0.8	1.9	1	43.3	0.02	0.9	0.008	0.03	1.2	3.0	10	8
93J851906	11.8	0.08	0.2	0.22	3.2	0.7	1	32.2	0.02	3.3	0.005	0.07	0.8	2.7	15	15
93J851907	7.8	0.05	0.4	0.30	2.0	0.6	1	27.8	0.02	2.0	0.006	0.09	1.1	3.1	15	16
93J851908	3.7	0.9	0.4	0.78	1.2	4.9	1	135.7	0.02	0.8	0.003	0.09	14.5	14.3	13	7
93J851909	10.5	0.05	0.2	0.14	2.2	0.2	1	43.8	0.02	3.2	0.006	0.04	0.4	2.8	15	14
93J851910	9.8	0.04	0.1	0.13	2.1	0.2	1	47.1	0.02	3.0	0.005	0.04	0.4	2.2	13	13
93J851911	10.8	0.05	0.9	0.63	3.2	1.0	1	43.2	0.02	2.8	0.010	0.15	0.8	2.8	23	28
93J851912	9.4	0.05	0.4	0.26	3.0	0.6	1	46.7	0.02	3.6	0.009	0.07	0.5	3.0	18	19
93J851913	8.2	0.05	0.3	0.33	2.3	0.3	1	25.7	0.02	1.7	0.011	0.07	0.4	2.5	20	20
93J851914	32.8	0.11	1.8	0.48	10.0	1.1	1	131.4	0.03	9.1	0.001	0.1	2.0	4.5	60	71
93J851915	23.3	0.67	0.1	0.13	1.4	1.8	1	281.8	0.02	4.7	0.018	0.09	14.5	14.7	15	10
93J851916	13.7	0.05	0.1	0.10	3.2	0.3	1	45.1	0.02	5.2	0.003	0.05	0.4	2.6	15	13
93J851917	17.3	0.04	0.2	0.14	1.6	0.1	1	33.6	0.02	11.1	0.004	0.05	0.6	3.5	10	10
93J851918	24.9	0.04	0.4	0.29	2.0	0.2	1	121.9	0.02	11.4	0.021	0.07	1.3	6.5	18	18
93J851919	14.5	0.05	0.2	0.18	2.5	0.2	1	84.3	0.02	7.0	0.007	0.04	0.6	3.4	15	14
93J851920	8.5	0.07	0.1	0.10	1.8	0.5	1	18.8	0.02	2.6	0.006	0.06	0.8	3.0	13	14
93J851922	7.2	0.05	0.1	0.08	1.8	0.6	1	20.4	0.02	3.7	0.007	0.05	0.5	2.9	13	13
93J851923	5.4	0.02	0.1	0.06	1.3	0.2	1	14.6	0.02	3.9	0.008	0.05	0.4	2.4	10	12
93J851925	11.4	0.02	0.2	0.20	1.9	0.3	1	22.8	0.02	3.7	0.007	0.05	0.4	2.9	13	15
93J851926	15.5	0.02	0.2	0.15	2.4	0.2	1	19.6	0.02	7.8	0.005	0.04	0.5	2.7	13	12

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851927	7.7	0.13	0.7	0.55	2.8	2.0	1	20.0	0.02	2.1	0.021	0.11	2.2	4.8	30	33
93J851928	11.0	0.19	0.3	0.26	2.8	1.2	3	28.3	0.02	2.0	0.018	0.08	2.2	4.2	25	22
93J851929	7.2	0.04	0.5	0.43	1.9	0.4	1	23.2	0.02	3.0	0.009	0.11	1.0	4.5	23	32
93J851930	13.5	0.03	0.4	0.25	3.2	0.2	1	62.5	0.02	7.9	0.024	0.09	0.7	2.7	28	24
93J851931	8.4	0.05	0.3	0.24	1.7	0.5	1	18.9	0.02	3.6	0.009	0.08	0.7	4.1	15	16
93J851932	6.5	0.03	0.4	0.38	1.5	0.6	1	14.8	0.02	2.3	0.009	0.08	0.9	2.8	13	18
93J851933	8.6	0.02	0.4	0.40	1.9	0.5	1	12.4	0.02	2.2	0.013	0.13	1.3	4.1	23	27
93J851934	7.9	0.06	1	0.68	2.8	1.9	2	17.6	0.03	1.7	0.004	0.5	3.7	6.8	43	63
93J851935	5.9	0.49	0.3	0.53	2.7	17.4	1	48.2	0.02	1.2	0.005	0.1	3.2	4.4	20	21
93J851936	8.2	0.06	2.2	1.56	1.9	2.1	1	16.0	0.05	1.1	0.004	0.33	3.0	5.4	55	67
93J851937	6.7	0.08	0.8	0.80	1.7	2.3	1	19.8	0.02	0.8	0.005	0.24	2.2	4.8	40	48
93J851938	2.8	0.32	0.2	0.51	0.3	10.1	1	82.8	0.02	0.1	0.002	0.04	0.4	0.5	10	2
93J851939	7.7	0.08	2.7	2.13	2.5	4.2	1	22.1	0.05	1.2	0.003	0.7	4.4	6.5	165	156
93J851940	7.1	0.07	0.3	0.26	2.1	1.1	1	7.5	0.02	1.1	0.004	1.31	2.6	4.7	20	27
93J851942	7.1	0.05	0.6	0.49	2.1	1.0	1	9.8	0.03	1.1	0.004	0.35	2.5	4.7	40	46
93J851943	6.8	0.05	0.7	0.48	2.0	1.0	1	8.8	0.04	1.0	0.004	0.35	2.4	5.1	38	44
93J851944	4.3	0.29	0.5	0.87	0.7	8.2	1	60.6	0.02	0.2	0.005	0.04	2.0	2.7	20	16
93J851945	7.0	0.24	0.1	0.19	2.2	1.9	1	32.1	0.02	1.2	0.005	0.14	1.0	2.7	20	19
93J851947	5.6	0.05	0.1	0.04	2.6	0.6	1	14.0	0.02	3.4	0.004	0.08	0.5	3.1	20	18
93J851948	6.8	0.04	0.1	0.15	2.3	0.6	1	14.6	0.02	2.6	0.008	0.15	0.9	3.9	23	22
93J851949	7.4	0.06	0.1	0.15	2.5	0.8	1	15.5	0.02	2.9	0.008	0.17	1.1	4.0	25	24
93J851950	3.2	0.02	0.1	0.21	1.2	0.9	1	7.3	0.02	1.1	0.003	0.19	0.8	3.0	15	21
93J851951	4.8	0.03	0.1	0.16	1.0	0.5	1	8.5	0.02	0.8	0.006	0.11	1.0	3.2	15	16
93J851952	6.7	0.17	0.3	0.42	0.8	7.4	1	21.7	0.02	0.2	0.006	0.25	2.4	4.8	25	30
93J851953	4.8	0.03	0.4	0.42	1.2	1.1	1	8.6	0.02	1.0	0.006	0.18	0.9	3.3	15	22
93J851954	5.2	0.54	0.3	0.33	3.2	4.5	1	70.0	0.02	0.3	0.023	0.14	2.8	3.0	30	28
93J851955	5.8	0.17	0.5	0.41	8.3	1.2	1	70.3	0.02	1.0	0.032	0.21	2.8	3.7	58	55
93J851956	4.4	0.03	0.4	0.29	4.3	0.6	1	35.8	0.02	1.4	0.072	0.11	1.3	3.6	50	51
93J851957	4.8	0.04	0.4	0.31	4.5	0.7	1	36.2	0.02	1.5	0.074	0.12	1.5	3.3	48	54
93J851958	4.9	0.21	0.3	0.31	3.3	1.2	1	73.0	0.02	0.3	0.023	0.16	3.6	3.4	45	43
93J851959	3.1	0.26	0.2	0.24	1.6	0.8	1	47.8	0.02	0.1	0.014	0.11	3.9	4.4	30	22
93J851960	5.5	0.13	0.4	0.36	5.6	1.5	1	50.4	0.02	0.8	0.043	0.14	1.7	4.7	53	54
93J851962	5.8	0.03	0.4	0.35	5.1	0.5	1	38.4	0.02	1.1	0.066	0.11	0.8	2.0	60	66
93J851963	4.8	0.05	0.4	0.25	4.9	0.7	1	44.7	0.02	1.0	0.059	0.11	1.7	3.5	55	58
93J851964	2.0	0.3	0.1	0.19	0.7	0.9	1	67.6	0.02	0.1	0.005	0.03	0.4	0.5	10	4
93J851965	3.9	0.12	0.3	0.21	4.9	0.5	1	49.2	0.02	1.1	0.051	0.11	1.6	0.5	43	43
93J851966	4.1	0.15	0.4	0.26	5.3	1.0	1	44.6	0.02	0.5	0.047	0.15	1.4	2.7	50	48
93J851967	4.8	0.16	0.4	0.27	6.7	1.3	1	46.6	0.02	1.1	0.044	0.19	1.1	2.4	50	52
93J851968	3.3	0.05	0.3	0.20	4.8	0.6	1	33.6	0.02	0.9	0.055	0.14	0.7	1.6	50	50
93J851969	4.0	0.23	0.1	0.31	2.7	1.4	1	74.2	0.02	0.4	0.020	0.06	0.9	1.3	23	19
93J851971	1.5	0.2	0.2	0.43	0.9	0.8	1	71.3	0.02	0.1	0.004	0.02	0.3	0.3	10	5
93J851972	3.7	0.08	0.3	0.22	3.9	0.8	1	38.7	0.02	0.6	0.058	0.11	0.9	1.6	40	45
93J851973	3.4	0.15	0.3	0.36	3.3	1.6	1	55.8	0.02	0.3	0.039	0.17	0.9	1.8	53	65
93J851974	4.9	0.17	0.1	0.17	1.6	0.6	2	41.7	0.02	0.1	0.016	0.12	1.4	2.4	25	21
93J851975	4.1	0.33	0.4	0.52	3.6	4.4	1	79.4	0.02	0.6	0.018	0.11	20.6	22.6	58	57
93J851976	10.5	0.13	0.1	0.10	1.1	0.4	1	30.3	0.02	0.2	0.021	0.15	3.0	4.1	23	20
93J851977	5.0	0.06	0.4	0.26	6.1	0.5	1	41.2	0.02	0.8	0.057	0.12	0.7	2.1	80	78
93J851978	3.8	0.07	0.4	0.28	4.3	0.6	1	48.2	0.02	0.5	0.059	0.06	0.5	1.5	58	59
93J851979	3.9	0.07	0.4	0.30	4.3	0.7	1	50.7	0.02	0.5	0.055	0.07	0.6	1.4	63	57
93J851980	2.9	0.17	0.9	0.92	0.8	2.4	1	30.8	0.02	0.1	0.007	0.04	1.0	1.7	30	25
93J851982	0.8	0.09	0.5	0.23	3.0	0.8	1	14.6	0.02	0.1	0.005	0.02	0.2	0.7	20	5
93J851983	4.9	0.04	0.5	0.37	5.0	0.4	1	37.7	0.02	0.4	0.082	0.06	0.5	1.2	70	69

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J851984	4.1	0.04	0.4	0.35	5.1	0.3	1	41.8	0.02	0.6	0.095	0.06	0.4	1.5	65	74
93J851985	4.2	0.05	0.7	0.55	5.6	0.9	1	40.7	0.02	0.4	0.086	0.07	0.6	1.5	75	80
93J851986	4.8	0.05	0.4	0.31	2.7	0.4	1	49.6	0.02	0.1	0.059	0.07	0.3	1.6	90	90
93J851987	4.7	0.19	0.2	0.23	3.8	0.9	1	66.5	0.02	0.2	0.012	0.16	1.2	2.0	75	76
93J851988	6.1	0.02	0.4	0.28	6.0	0.4	1	63.3	0.02	0.7	0.106	0.09	0.6	2.4	88	93
93J851989	6.0	0.03	0.5	0.36	6.0	1.0	1	48.9	0.04	0.7	0.073	0.08	1.3	2.6	80	80
93J851990	5.2	0.02	0.4	0.24	4.7	0.5	1	48.6	0.02	0.7	0.084	0.09	0.7	1.9	68	75
93J851991	9.7	0.04	0.7	0.42	9.8	0.8	1	44.7	0.02	0.7	0.058	0.1	1.2	2.0	88	87
93J851992	5.1	0.08	0.5	0.60	6.9	1.3	1	40.6	0.02	0.3	0.049	0.08	0.8	1.5	85	84
93J851993	2.4	0.54	0.4	0.78	3.9	2.4	1	53.0	0.02	0.2	0.017	0.05	0.7	1.0	30	24
93J851994	9.4	0.05	0.4	0.30	6.5	0.8	1	56.6	0.03	1.9	0.044	0.12	3.2	4.9	95	99
93J851996	9.9	0.03	0.3	0.22	6.6	0.4	1	51.0	0.02	1.9	0.046	0.12	3.5	5.8	88	93
93J851997	16.8	0.03	0.3	0.27	4.0	0.4	1	43.3	0.02	3.8	0.048	0.14	7.6	14.0	60	62
93J851998	17.6	0.05	0.1	0.11	2.1	0.3	1	20.5	0.02	1.3	0.025	0.18	4.2	8.7	53	51
93J851999	11.0	0.22	0.1	0.15	0.5	0.6	1	43.5	0.02	0.1	0.007	0.08	5.3	6.1	15	12
93J853000	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1.0	-1	-1
93J853002	11.9	0.02	0.1	0.02	3.2	0.2	1	19.0	0.02	4.8	0.051	0.18	2.9	16.5	45	47
93J853003	6.6	0.03	0.3	0.30	5.8	0.1	1	41.7	0.02	0.9	0.064	0.15	0.6	1.6	83	90
93J853004	4.6	0.04	0.4	0.41	4.7	0.5	1	50.4	0.02	1.1	0.069	0.09	0.7	2.0	55	65
93J853005	3.9	0.07	0.3	0.36	4.4	0.5	1	63.3	0.02	0.8	0.062	0.09	0.7	1.8	45	52
93J853006	2.8	0.12	0.4	0.49	3.9	6.5	1	49.4	0.02	0.7	0.053	0.07	3.3	4.6	60	61
93J853007	3.7	0.18	0.1	0.30	3.5	2.3	1	53.5	0.02	0.3	0.033	0.13	4.7	5.5	50	51
93J853008	4.8	0.03	0.2	0.27	5.0	0.4	1	44.6	0.02	1.1	0.079	0.1	1.3	2.3	70	78
93J853009	9.0	0.06	0.2	0.26	4.0	0.3	1	41.3	0.02	0.4	0.039	0.12	2.7	3.2	45	53
93J853010	2.5	0.17	0.2	0.32	0.6	0.6	1	47.7	0.02	0.1	0.004	0.06	0.3	0.5	33	28
93J853011	8.2	0.02	0.3	0.25	3.7	0.2	1	33.1	0.02	2.1	0.062	0.12	2.4	5.7	50	52
93J853012	3.5	0.27	0.1	0.32	1.2	1.3	1	78.1	0.02	0.1	0.008	0.11	2.1	2.9	20	20
93J853013	5.3	0.21	0.4	0.58	2.4	1.4	1	56.1	0.02	0.1	0.032	0.12	2.8	4.3	65	69
93J853014	5.5	0.05	0.4	0.43	5.5	0.6	1	40.6	0.02	1.6	0.070	0.07	0.7	1.6	65	68
93J853016	4.3	0.03	0.4	0.40	4.9	0.5	1	39.0	0.02	1.6	0.081	0.06	0.5	2.2	60	70
93J853017	4.2	0.03	0.4	0.43	4.9	0.4	1	40.8	0.02	1.5	0.082	0.06	0.5	1.7	63	72
93J853018	4.2	0.05	0.4	0.51	5.4	0.7	1	45.1	0.02	0.6	0.068	0.06	0.6	1.9	68	82
93J853019	3.6	0.06	0.3	0.32	3.1	0.7	1	44.2	0.02	0.2	0.045	0.07	0.5	2.0	68	69
93J853020	1.8	0.2	0.1	0.25	0.7	0.7	1	41.4	0.02	0.1	0.005	0.02	0.2	0.5	8	4
93J853022	2.8	0.67	0.4	0.68	2.8	7.2	1	91.0	0.02	0.5	0.024	0.07	1.4	2.1	40	40
93J853024	4.9	0.03	0.5	0.65	4.8	0.9	1	51.3	0.02	1.0	0.066	0.1	0.6	1.9	70	73
93J853025	4.5	0.23	0.2	0.30	4.9	0.8	1	54.8	0.02	0.8	0.041	0.12	1.8	2.8	48	44
93J853026	5.3	0.03	0.2	0.17	6.2	0.2	1	69.9	0.02	1.2	0.067	0.1	1.5	3.1	60	64
93J853027	3.1	0.26	0.1	0.35	2.8	1.1	1	67.4	0.02	0.3	0.017	0.08	1.6	2.0	25	19
93J853028	1.2	0.22	0.2	0.28	0.7	1.0	1	46.3	0.02	0.1	0.004	0.06	1.1	1.8	15	6
93J853029	3.8	0.59	0.5	0.69	6.3	3.1	2	76.0	0.02	0.7	0.018	0.1	2.7	3.4	75	72
93J853030	5.2	0.03	0.3	0.25	5.4	0.3	1	54.3	0.02	0.9	0.057	0.12	1.1	2.1	60	58
93J853031	2.8	0.01	0.1	0.14	3.3	0.2	1	29.3	0.02	1.1	0.068	0.06	0.4	1.8	43	43
93J853032	4.8	0.01	0.1	0.15	2.8	0.1	2	31.5	0.02	0.8	0.046	0.07	0.3	1.5	53	53
93J853033	5.7	0.06	0.3	0.18	7.9	0.8	1	68.9	0.02	1.4	0.059	0.13	1.9	2.9	53	50
93J853034	2.9	0.02	0.1	0.14	3.2	0.1	1	24.1	0.02	1.5	0.080	0.05	0.3	1.5	40	50
93J853035	2.9	0.01	0.1	0.13	3.1	0.2	1	23.4	0.02	1.3	0.076	0.05	0.3	1.5	40	50
93J853036	4.5	0.38	0.4	0.64	2.0	2.3	1	154.6	0.02	0.4	0.011	0.05	1.8	1.9	10	20
93J853037	1.1	0.57	0.2	0.45	0.8	5.2	1	138.2	0.02	0.1	0.004	0.03	2.6	2.3	30	20
93J853038	4.0	0.37	0.2	0.37	5.8	1.5	1	93.2	0.02	0.9	0.027	0.15	4.2	4.8	35	35
93J853039	2.0	0.37	0.2	0.34	2.1	1.0	1	117.0	0.02	0.4	0.011	0.04	0.9	1.3	20	11
93J853040	2.9	0.42	0.4	0.60	2.9	3.1	1	108.5	0.02	0.5	0.015	0.08	1.5	1.3	23	22

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J853042	2.8	0.07	0.1	0.15	3.6	0.6	1	32.8	0.02	1.0	0.051	0.07	0.4	1.3	35	37
93J853043	2.3	0.18	0.1	0.15	3.5	0.6	1	57.8	0.02	0.7	0.042	0.07	0.7	1.7	35	34
93J853044	3.2	0.39	0.7	0.94	3.8	9.3	1	56.0	0.02	0.5	0.035	0.08	3.8	4.5	50	48
93J853046	3.4	0.2	0.4	0.30	3.5	1.2	1	66.0	0.02	0.3	0.022	0.1	0.8	1.2	35	35
93J853047	7.5	0.05	0.4	0.28	13.8	0.8	1	47.0	0.02	2.3	0.041	0.21	3.2	4.9	68	71
93J853048	0.9	0.39	0.1	0.04	0.5	0.6	1	154.5	0.02	0.1	0.003	0.03	0.1	0.5	10	2
93J853049	2.8	0.5	0.1	0.15	0.6	1.4	1	162.3	0.02	0.1	0.005	0.05	1.1	1.2	10	6
93J853050	4.9	0.34	0.4	0.67	7.1	2.5	1	107.9	0.02	0.9	0.023	0.15	2.7	3.4	35	38
93J853051	2.5	0.41	0.2	0.48	1.0	1.1	1	60.5	0.02	0.2	0.007	0.04	0.4	0.5	13	7
93J853052	2.7	0.66	0.1	0.24	0.2	1.3	1	139.2	0.02	0.1	0.001	0.02	4.4	5.5	5	2
93J853053	2.5	0.33	0.1	0.08	0.2	0.8	1	74.9	0.02	0.1	0.001	0.02	0.1	0.5	8	2
93J853054	7.7	0.01	0.1	0.10	1.2	0.1	1	19.6	0.02	9.6	0.007	0.03	1.0	5.5	10	8
93J853055	7.3	0.02	0.1	0.10	1.1	0.1	1	19.3	0.02	10.5	0.007	0.03	0.9	4.7	10	9
93J853056	11.1	0.03	0.1	0.06	0.5	0.2	1	19.6	0.02	1.0	0.005	0.05	2.9	7.5	10	9
93J853057	7.2	0.02	0.1	0.09	0.9	0.1	1	19.8	0.02	10.5	0.006	0.03	1.5	5.9	10	8
93J853058	13.9	0.02	0.1	0.12	1.2	0.1	1	18.2	0.02	10.2	0.006	0.03	1.6	5.6	10	9
93J853059	13.6	0.01	0.1	0.13	1.2	0.1	1	13.7	0.02	12.9	0.007	0.02	1.6	6.8	10	11
93J853060	18.1	0.03	0.1	0.11	0.9	0.1	1	22.9	0.02	12.6	0.007	0.03	1.4	5.9	10	8
93J853062	18.4	0.02	0.2	0.18	1.8	0.1	1	14.5	0.02	6.6	0.005	0.05	1.7	5.4	20	14
93J853063	13.3	0.03	0.1	0.09	0.8	0.1	1	23.3	0.02	11.0	0.008	0.03	1.2	5.8	10	7
93J853064	12.7	0.02	0.1	0.09	0.8	0.1	1	23.0	0.02	10.9	0.008	0.02	1.0	6.5	10	6
93J853065	15.7	0.02	0.1	0.10	0.9	0.1	1	22.8	0.02	10.7	0.012	0.04	1.4	5.6	10	9
93J853066	11.5	0.03	0.1	0.09	0.7	0.1	1	13.0	0.02	13.2	0.012	0.02	1.2	5.6	10	7
93J853067	10.6	0.01	0.1	0.09	0.6	0.1	1	25.1	0.02	10.8	0.011	0.02	1.0	6.5	10	5
93J853068	12.1	0.01	0.1	0.10	0.6	0.1	1	25.1	0.02	10.7	0.014	0.03	1.2	8.0	5	6
93J853069	21.7	0.07	0.3	0.34	1.3	0.2	1	19.7	0.03	12.1	0.007	0.03	1.7	10.0	13	10
93J853070	24.5	0.03	0.5	0.48	1.8	0.2	1	12.1	0.02	9.1	0.004	0.02	1.4	8.5	13	12
93J853071	26.7	0.02	0.5	0.46	2.1	0.2	1	12.2	0.02	9.0	0.001	0.02	1.6	6.3	15	9
93J853072	15.0	0.03	0.5	0.45	1.8	0.1	1	20.4	0.02	6.6	0.002	0.02	1.1	5.5	10	7
93J853073	21.6	0.09	1.4	0.61	2.8	0.1	1	12.6	0.02	6.3	0.001	0.02	1.3	4.9	13	11
93J853074	17.2	0.08	0.2	0.25	1.0	0.1	1	17.0	0.02	15.7	0.008	0.03	1.5	6.2	10	8
93J853075	26.0	0.05	0.6	0.35	2.7	0.1	1	12.9	0.02	9.3	0.003	0.04	1.7	6.3	15	12
93J853076	13.1	0.01	0.1	0.17	2.0	0.1	1	17.0	0.02	6.9	0.010	0.06	1.0	3.3	20	17
93J853078	13.9	0.05	0.1	0.08	0.8	0.2	1	17.6	0.02	4.5	0.004	0.05	1.2	4.3	15	10
93J853079	16.4	0.04	0.1	0.15	1.4	0.1	1	17.5	0.02	12.6	0.009	0.03	1.3	7.5	15	11
93J853080	13.6	0.04	0.1	0.18	0.9	0.2	1	33.7	0.02	6.3	0.003	0.04	1.3	6.9	13	8
93J853083	12.0	0.02	0.2	0.13	0.8	0.1	1	20.6	0.02	10.8	0.009	0.02	0.9	7.2	10	8
93J853084	19.1	0.03	0.7	0.43	1.7	0.2	1	18.2	0.02	12.3	0.005	0.03	1.5	9.3	10	11
93J853085	18.2	0.03	0.7	0.62	1.7	0.2	1	19.6	0.02	11.2	0.004	0.03	1.4	9.4	13	11
93J853086	9.4	0.01	0.2	0.16	1.2	0.1	1	75.5	0.02	6.0	0.005	0.02	0.5	3.6	10	4
93J853087	8.5	0.01	0.2	0.17	1.2	0.1	1	74.7	0.02	4.9	0.005	0.02	0.4	2.5	10	4
93J853088	18.4	0.03	0.4	0.13	2.6	0.1	1	42.2	0.02	7.4	0.002	0.05	1.1	4.1	15	12
93J853089	15.7	0.04	0.5	0.25	2.2	0.2	1	36.4	0.02	6.8	0.003	0.07	1.0	4.7	15	11
93J853090	12.6	0.02	0.2	0.12	2.5	0.1	1	50.3	0.02	5.5	0.004	0.05	0.6	4.0	13	9
93J853091	8.8	0.01	0.1	0.10	1.4	0.2	1	56.8	0.02	3.5	0.004	0.05	0.6	2.3	15	7
93J853092	10.9	0.04	0.3	0.16	1.7	0.2	1	34.2	0.02	5.3	0.003	0.04	0.8	3.6	10	7
93J853093	16.6	0.03	0.2	0.09	1.4	0.2	1	21.2	0.02	9.7	0.002	0.04	1.0	7.0	15	12
93J853094	12.0	0.02	0.1	0.08	1.6	0.2	1	23.8	0.02	8.8	0.004	0.04	0.6	4.9	10	11
93J853095	19.2	0.02	0.2	0.10	1.8	0.2	1	17.8	0.02	11.7	0.006	0.05	2.0	5.5	15	13
93J853096	15.0	0.02	0.1	0.08	2.0	0.2	1	11.5	0.02	5.2	0.006	0.08	1.1	4.0	25	22
93J853097	15.3	0.04	0.1	0.08	1.4	0.2	1	6.5	0.02	11.3	0.003	0.03	1.7	5.4	13	11
93J853098	11.9	0.03	0.1	0.07	1.4	0.3	1	6.8	0.02	7.4	0.002	0.04	2.1	6.0	15	11

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J853099	7.5	0.08	0.9	0.47	7.3	1.5	1	108.7	0.03	0.8	0.030	0.12	2.6	3.5	80	71
93J853100	9.4	0.09	0.2	0.17	1.4	0.1	1	62.3	0.02	7.2	0.010	0.02	0.7	3.3	10	9
93J853102	19.1	0.04	0.2	0.15	2.0	0.2	1	15.8	0.02	8.8	0.008	0.04	0.8	4.2	18	15
93J853103	26.5	0.04	0.8	0.46	2.0	0.2	1	12.0	0.02	8.3	0.004	0.02	1.5	6.2	13	10
93J853104	26.1	0.03	0.6	0.29	2.5	0.2	1	6.1	0.02	10.2	0.002	0.02	2.2	8.1	13	10
93J853105	23.6	0.01	0.4	0.24	2.1	0.1	1	7.9	0.02	12.8	0.003	0.02	1.7	6.7	15	14
93J853106	28.2	0.14	0.5	0.30	2.0	0.2	1	12.4	0.02	10.3	0.004	0.02	1.6	6.0	13	11
93J853107	21.2	0.02	0.4	0.25	1.9	0.1	1	8.9	0.02	10.7	0.002	0.02	1.5	7.1	15	12
93J853108	24.6	0.02	0.3	0.17	1.7	0.3	1	14.7	0.02	8.4	0.004	0.02	2.9	7.4	15	13
93J853109	27.6	0.03	0.4	0.14	1.6	0.2	1	11.1	0.02	14.4	0.004	0.03	2.4	6.0	13	12
93J853110	27.1	0.04	0.2	0.12	1.6	0.3	1	12.3	0.02	13.2	0.004	0.02	2.6	6.3	15	13
93J853111	24.6	0.01	0.4	0.17	1.7	0.1	1	11.5	0.02	12.4	0.005	0.02	1.9	4.2	15	12
93J853112	12.8	0.02	0.2	0.10	1.4	0.2	1	10.4	0.02	9.3	0.003	0.03	1.1	5.6	15	11
93J853113	8.9	0.02	0.2	0.17	1.4	0.1	1	16.8	0.02	5.7	0.007	0.03	0.9	4.0	13	10
93J853114	19.7	0.04	0.2	0.14	1.4	0.3	1	12.0	0.02	10.8	0.006	0.04	3.2	7.9	13	11
93J853115	9.0	0.05	0.4	0.26	2.1	0.9	1	39.1	0.02	2.6	0.017	0.05	0.4	2.6	25	20
93J853116	10.3	0.02	0.2	0.16	1.9	0.2	1	22.3	0.02	9.9	0.012	0.04	1.2	5.0	15	14
93J853117	12.7	0.04	0.4	0.20	1.7	0.1	1	10.0	0.02	13.4	0.009	0.03	1.7	5.6	15	13
93J853118	10.9	0.01	0.2	0.14	1.0	0.1	1	16.9	0.02	13.9	0.011	0.03	1.5	6.0	10	9
93J853119	15.3	0.03	0.2	0.15	1.2	0.2	1	18.8	0.02	13.4	0.009	0.04	2.2	6.6	10	10
93J853122	10.7	0.02	0.2	0.12	1.2	0.1	1	13.2	0.02	12.8	0.008	0.03	1.6	5.8	10	11
93J853123	13.4	0.02	0.2	0.12	1.3	0.2	1	8.0	0.02	10.3	0.004	0.03	1.8	6.1	10	11
93J853124	12.8	0.02	0.2	0.16	1.0	0.1	1	10.7	0.02	12.8	0.008	0.03	1.4	7.3	10	11
93J853125	19.1	0.05	0.5	0.24	1.4	0.1	1	12.0	0.02	13.8	0.008	0.04	2.5	7.0	15	12
93J853126	17.1	0.23	0.4	0.19	1.2	0.1	1	15.1	0.02	11.2	0.012	0.03	1.5	5.9	13	11
93J853127	15.7	0.18	0.4	0.20	1.1	0.1	1	17.1	0.02	10.7	0.011	0.03	1.5	7.6	10	11
93J853128	14.3	0.2	0.5	0.20	1.0	0.1	1	17.2	0.02	10.3	0.010	0.02	1.4	8.1	10	10
93J853129	10.1	0.01	0.2	0.11	1.1	0.1	1	14.8	0.02	11.6	0.008	0.03	2.0	6.0	13	10
93J853130	9.0	0.01	0.2	0.13	1.3	0.1	1	33.4	0.02	9.7	0.015	0.03	0.8	5.7	15	13
93J853131	13.6	0.03	0.1	0.08	0.9	0.1	1	12.3	0.02	12.7	0.010	0.03	1.3	5.8	10	9
93J853132	10.4	0.02	0.1	0.12	1.2	0.1	1	18.5	0.02	12.2	0.009	0.03	1.2	4.2	10	11
93J853133	3.4	0.34	0.4	0.31	1.6	0.7	1	55.6	0.02	0.2	0.008	0.08	0.4	0.6	15	11
93J853134	4.1	0.02	0.7	0.30	4.5	0.4	1	31.0	0.02	0.8	0.069	0.13	0.6	1.8	50	57
93J853136	4.0	0.04	0.5	0.26	4.5	0.4	2	35.5	0.02	1.3	0.076	0.09	0.5	1.2	50	54
93J853137	7.1	0.02	0.9	0.33	9.7	0.7	1	39.5	0.02	1.7	0.059	0.15	2.1	3.6	75	73
93J853138	3.9	0.19	0.3	0.23	5.6	1.8	1	51.2	0.02	0.9	0.042	0.14	1.4	2.6	40	41
93J853139	4.4	0.07	0.3	0.22	6.4	0.9	1	45.5	0.02	0.9	0.057	0.16	1.3	2.4	50	52
93J853140	4.2	0.21	0.3	0.24	6.0	1.9	1	55.0	0.02	1.0	0.044	0.16	1.6	3.1	40	44
93J853142	6.4	0.07	0.1	0.12	1.7	1.3	1	31.2	0.02	0.1	0.024	0.12	0.6	2.0	30	34
93J853143	1.8	0.27	0.4	0.25	1.3	0.8	1	55.9	0.02	0.1	0.007	0.05	0.9	0.9	15	12
93J853144	3.2	0.21	0.2	0.24	1.6	0.8	1	52.7	0.02	0.1	0.012	0.14	1.0	1.8	20	23
93J853145	4.2	0.15	0.2	0.15	4.4	0.7	1	41.1	0.02	0.7	0.030	0.18	2.1	3.4	30	33
93J853146	8.4	0.06	0.8	0.27	8.1	0.5	2	34.0	0.03	1.5	0.025	0.3	1.7	3.3	95	93
93J853147	4.2	0.35	0.5	0.51	1.8	1.1	1	58.5	0.02	0.1	0.010	0.11	2.0	3.5	33	30
93J853149	5.6	0.03	0.3	0.21	5.7	0.2	1	33.0	0.02	1.4	0.063	0.17	1.3	3.4	55	63
93J853150	4.8	0.18	0.3	0.30	3.4	0.9	1	48.2	0.02	0.6	0.027	0.08	2.1	3.6	33	35
93J853151	4.0	0.16	0.2	0.22	5.1	0.7	1	46.4	0.02	0.7	0.041	0.12	1.4	2.4	38	38
93J853152	5.2	0.09	0.4	0.28	6.4	0.4	1	47.0	0.02	0.6	0.026	0.19	1.3	2.8	43	47
93J853153	4.6	0.22	0.3	0.27	5.6	3.1	1	51.7	0.02	0.5	0.027	0.25	2.3	3.7	40	43
93J853154	3.0	0.57	0.3	0.30	3.4	5.4	1	91.6	0.02	0.5	0.025	0.1	3.9	0.5	20	21
93J853155	3.5	0.49	0.5	0.50	4.9	1.8	1	60.8	0.02	0.5	0.016	0.28	1.6	2.6	33	33
93J853156	5.5	0.08	0.5	0.33	4.7	0.6	1	36.2	0.02	0.6	0.056	0.14	0.7	1.8	55	57

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J853157	4.2	0.03	0.4	0.25	4.4	0.4	1	39.3	0.02	1.4	0.083	0.08	0.6	1.5	43	55
93J853158	7.1	0.13	0.8	0.44	6.4	1.2	1	52.3	0.02	0.6	0.028	0.26	1.7	3.1	65	69
93J853159	7.0	0.13	0.8	0.46	7.2	1.2	1	50.9	0.02	0.7	0.027	0.26	1.9	3.4	68	69
93J853160	2.7	0.14	0.4	0.26	4.7	0.6	1	40.0	0.02	0.7	0.046	0.14	0.5	1.7	35	38
93J853162	3.8	0.3	1	0.82	6.1	1.4	1	56.5	0.03	0.6	0.015	0.09	0.7	1.1	55	108
93J853163	2.8	0.43	0.4	0.48	2.8	1.6	1	107.2	0.02	0.2	0.009	0.09	0.7	0.8	13	7
93J853164	6.0	0.03	1.1	0.63	6.0	0.3	1	65.9	0.02	2.2	0.101	0.14	0.6	1.8	55	62
93J853165	5.7	0.05	1.1	0.60	5.7	0.3	1	65.1	0.02	2.1	0.095	0.13	0.6	1.8	50	62
93J853166	5.8	0.09	0.2	0.24	7.1	0.6	1	76.3	0.02	1.4	0.065	0.12	1.3	2.7	40	47
93J853167	4.8	0.03	0.4	0.26	6.5	0.4	1	68.3	0.02	1.2	0.085	0.11	0.8	2.3	53	66
93J853168	2.7	0.32	0.2	0.41	2.3	1.1	1	114.5	0.02	0.3	0.012	0.09	0.8	1.1	15	14
93J853169	3.9	0.2	0.3	0.36	4.8	0.9	1	62.4	0.02	0.7	0.017	0.15	1.6	2.1	25	26
93J853170	2.1	0.67	0.1	0.18	1.7	0.9	1	142.8	0.02	0.3	0.006	0.06	0.8	1.1	15	12
93J853171	12.5	0.02	1.2	0.50	7.9	0.4	1	54.8	0.04	2.9	0.072	0.18	0.6	2.0	65	69
93J853172	2.4	0.11	0.1	0.14	3.0	0.3	1	30.7	0.02	0.9	0.063	0.05	0.4	1.4	33	38
93J853173	3.0	0.34	0.2	0.33	2.5	1.1	1	78.8	0.02	0.1	0.017	0.06	1.4	2.4	20	21
93J853174	4.7	0.15	0.4	0.35	4.6	0.8	1	52.9	0.02	1.1	0.044	0.09	1.4	2.6	40	44
93J853175	1.5	0.26	0.3	0.44	1.9	0.9	1	63.6	0.02	0.2	0.008	0.05	0.6	1.0	18	15
93J853176	5.6	0.19	0.4	0.37	4.5	1.1	1	47.6	0.02	0.6	0.020	0.16	1.3	2.0	45	44
93J853177	4.8	0.1	0.2	0.18	6.3	1.3	1	35.0	0.02	1.0	0.030	0.17	2.5	4.1	40	44
93J853178	3.5	0.29	0.4	0.59	2.8	1.4	1	60.9	0.02	0.2	0.009	0.14	1.5	2.0	33	28
93J853179	3.1	0.2	0.4	0.48	2.6	1.4	1	68.3	0.02	0.1	0.007	0.14	1.3	1.8	23	25
93J853182	5.3	0.03	1	0.57	4.8	0.4	1	29.3	0.02	0.7	0.039	0.09	0.9	2.0	45	49
93J853183	4.4	0.1	0.4	0.30	5.6	1.0	1	32.3	0.02	1.0	0.035	0.18	1.5	2.4	38	39
93J853184	6.1	0.04	0.4	0.29	5.0	0.5	1	44.0	0.02	1.1	0.036	0.09	0.9	2.5	45	45
93J853186	8.0	0.07	0.6	0.44	8.5	0.9	2	43.2	0.03	1.6	0.061	0.13	1.4	3.1	55	57
93J853187	5.9	0.05	0.4	0.37	5.9	0.6	1	36.5	0.02	1.4	0.119	0.08	0.8	2.0	55	56
93J853188	5.2	0.04	0.4	0.33	5.3	0.5	1	32.2	0.02	1.3	0.121	0.07	0.7	1.9	55	54
93J853189	12.7	0.04	0.8	0.52	6.7	0.3	2	56.5	0.03	1.6	0.025	0.1	1.1	2.8	63	57
93J853190	9.1	0.03	0.6	0.28	5.4	0.2	1	35.6	0.02	1.5	0.045	0.07	0.7	2.3	50	56
93J853191	14.3	0.06	0.3	0.12	7.0	0.5	1	60.8	0.03	1.0	0.011	0.11	0.7	1.8	43	58
93J853192	4.2	0.02	0.4	0.29	4.0	0.4	1	23.8	0.02	1.1	0.077	0.06	0.6	1.6	35	51
93J853193	3.4	0.23	0.1	0.23	1.8	0.7	1	118.0	0.02	0.2	0.008	0.07	1.0	1.3	20	18
93J853194	7.3	0.07	0.3	0.19	5.7	0.4	1	39.6	0.02	1.2	0.019	0.25	1.2	2.8	68	76
93J853195	5.0	0.05	0.1	0.20	2.2	0.4	1	26.1	0.02	0.1	0.016	0.11	0.9	2.0	30	30
93J853196	6.4	0.06	0.1	0.17	2.3	0.4	1	34.1	0.02	0.2	0.016	0.16	0.9	2.4	33	37
93J853197	5.8	0.05	0.3	0.21	3.7	0.3	1	37.5	0.02	0.6	0.029	0.1	0.9	2.2	45	52
93J853198	3.2	0.25	0.2	0.37	0.6	1.6	1	72.5	0.02	0.1	0.004	0.09	1.4	1.7	20	21
93J853199	6.7	0.06	0.2	0.19	3.8	0.4	2	32.8	0.02	0.5	0.021	0.18	1.0	2.1	48	56
93J853200	5.7	0.21	0.9	0.85	8.3	3.4	1	128.7	0.04	1.1	0.019	0.13	5.4	6.5	58	62
93J853202	5.7	0.08	0.4	0.40	6.2	0.7	1	48.4	0.02	1.5	0.048	0.12	0.9	2.3	50	60
93J853203	5.1	0.07	0.4	0.29	7.3	0.8	1	43.3	0.02	1.5	0.044	0.15	1.7	3.0	60	65
93J853204	5.8	0.21	0.2	0.39	6.9	1.4	1	68.5	0.02	1.2	0.030	0.18	1.7	2.1	38	44
93J853205	5.7	0.02	0.6	0.33	5.7	0.5	1	42.8	0.02	1.2	0.069	0.09	0.7	2.0	65	77
93J853206	4.9	0.04	0.4	0.35	5.6	0.4	2	42.1	0.02	1.3	0.079	0.11	0.6	1.5	48	62
93J853207	3.6	0.27	0.3	0.51	3.2	1.4	1	74.0	0.02	0.2	0.012	0.17	1.1	1.9	28	27
93J853208	5.4	0.05	0.8	0.29	6.8	1.0	1	51.6	0.02	1.0	0.054	0.11	0.9	2.3	70	73
93J853209	5.0	0.05	0.7	0.31	6.9	1.0	1	49.9	0.02	1.1	0.056	0.1	1.0	2.2	70	74
93J853210	5.5	0.3	0.6	0.38	6.2	1.0	1	58.1	0.02	1.0	0.037	0.16	1.9	3.4	43	46
93J853211	3.1	0.08	0.4	0.19	5.1	1.0	1	35.3	0.02	1.2	0.055	0.13	1.0	2.5	35	42
93J853212	4.3	0.04	0.4	0.21	4.7	0.5	1	37.5	0.02	1.0	0.064	0.12	0.5	3.0	43	55
93J853213	3.8	0.1	0.4	0.28	5.9	0.6	1	40.3	0.02	1.2	0.057	0.16	0.9	2.0	43	46

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MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J853215	3.3	0.42	0.5	0.48	2.5	1.9	1	47.8	0.02	0.3	0.013	0.16	1.3	2.2	28	29
93J853216	4.9	0.03	0.4	0.23	5.6	0.3	1	36.6	0.02	1.4	0.077	0.09	0.7	1.7	53	59
93J853217	3.1	0.48	0.3	0.35	1.6	1.1	1	70.7	0.02	0.2	0.010	0.07	0.5	1.0	18	12
93J853218	9.1	0.04	0.6	0.17	3.3	0.3	2	17.9	0.02	2.6	0.007	0.08	1.1	3.8	25	19
93J853219	4.9	0.03	0.4	0.16	1.9	0.4	1	11.8	0.02	2.7	0.005	0.15	0.7	2.8	15	21
93J853220	5.1	0.03	0.3	0.12	1.6	0.3	2	10.0	0.02	1.6	0.005	0.08	0.7	3.8	13	13
93J853223	7.4	0.02	0.2	0.16	1.5	0.2	1	10.6	0.02	1.6	0.010	0.07	0.5	2.4	20	20
93J853224	5.0	0.24	0.1	0.09	0.7	1.0	1	20.9	0.02	0.1	0.005	0.09	0.6	1.1	8	6
93J853225	6.7	0.09	0.2	0.09	2.5	0.3	1	25.8	0.02	2.6	0.007	0.07	0.7	2.6	15	14
93J853226	9.2	0.02	0.7	0.33	5.1	0.2	1	47.1	0.02	3.0	0.086	0.1	0.8	2.5	48	60
93J853227	7.9	0.04	0.6	0.27	4.9	0.2	1	48.2	0.02	2.9	0.094	0.1	2.3	3.8	45	57
93J853228	7.2	0.04	0.5	0.26	4.5	0.1	1	46.5	0.02	2.7	0.095	0.1	1.9	3.1	40	53
93J853229	10.4	0.01	0.3	0.19	2.6	0.2	1	56.4	0.02	7.7	0.043	0.07	0.9	4.0	20	24
93J853230	13.6	0.03	0.7	0.23	6.0	0.2	1	42.9	0.02	3.1	0.057	0.11	1.9	3.7	60	66
93J853231	6.0	0.03	0.3	0.15	2.9	0.1	1	26.1	0.02	2.4	0.047	0.06	0.7	2.3	35	37
93J853232	3.7	0.01	0.3	0.19	3.0	0.1	1	25.0	0.02	2.0	0.070	0.05	0.4	1.5	35	44
93J853233	6.7	0.04	0.5	0.27	5.4	0.4	3	35.3	0.02	2.1	0.057	0.11	0.6	1.8	50	54
93J853234	3.2	0.38	0.4	0.45	1.3	1.5	1	76.2	0.02	0.2	0.007	0.03	1.1	1.2	10	8
93J853235	8.0	0.02	0.4	0.18	5.4	0.2	1	35.0	0.02	2.0	0.050	0.09	0.9	2.4	40	47
93J853236	6.4	0.05	0.3	0.15	2.6	0.3	1	36.7	0.02	0.3	0.029	0.1	0.6	1.7	25	29
93J853237	3.9	0.19	0.2	0.26	0.6	0.9	1	50.8	0.02	0.1	0.005	0.05	0.4	6.0	20	15
93J853238	4.3	0.2	0.3	0.22	3.9	0.8	1	68.3	0.02	0.7	0.036	0.09	1.6	3.0	28	30
93J853239	3.1	0.36	0.3	0.34	2.4	1.4	1	152.1	0.03	0.3	0.008	0.05	5.3	6.3	20	21
93J853240	7.0	0.15	0.6	0.37	7.5	1.7	1	95.6	0.02	1.2	0.030	0.23	3.6	4.9	55	62
93J853242	6.3	0.07	0.6	0.33	5.6	0.6	1	66.2	0.02	1.0	0.040	0.15	1.2	2.6	60	69
93J853243	4.5	0.03	0.4	0.21	3.7	0.5	1	38.0	0.02	1.2	0.058	0.07	0.8	2.4	40	55
93J853244	4.7	0.02	0.5	0.19	3.9	0.2	1	23.9	0.02	1.7	0.060	0.06	0.5	2.1	33	42
93J853245	2.9	0.02	0.3	0.13	2.5	0.1	1	17.3	0.02	1.2	0.049	0.05	0.3	1.6	23	27
93J853246	3.4	0.35	0.4	0.29	1.2	1.1	1	57.0	0.02	0.1	0.009	0.07	0.8	1.6	25	22
93J853247	3.1	0.08	0.3	0.13	3.0	0.2	2	26.5	0.02	1.0	0.043	0.07	0.6	1.6	28	33
93J853248	4.8	0.13	0.3	0.19	3.3	0.7	1	48.4	0.03	0.4	0.018	0.13	1.2	2.2	30	34
93J853249	4.8	0.12	0.3	0.19	3.2	0.7	1	48.5	0.02	0.4	0.017	0.13	1.2	2.6	30	34
93J853250	6.3	0.07	0.4	0.13	3.7	0.5	1	38.1	0.02	0.5	0.017	0.16	1.0	2.5	28	32
93J853251	4.8	0.01	0.6	0.30	3.4	0.1	1	23.4	0.02	1.5	0.065	0.07	0.5	2.5	40	57
93J853252	5.1	0.18	0.3	0.20	4.0	1.7	1	71.5	0.02	0.7	0.020	0.1	2.2	3.0	25	28
93J853253	3.4	0.01	0.5	0.23	2.7	0.1	1	25.7	0.02	1.8	0.068	0.05	0.5	2.3	35	54
93J853254	4.3	0.03	0.5	0.25	2.9	0.4	1	36.4	0.02	1.5	0.063	0.05	0.6	1.7	38	51
93J853255	4.5	0.01	0.5	0.24	3.0	0.2	1	30.3	0.02	2.0	0.073	0.05	0.6	2.7	40	58
93J853256	5.9	0.01	0.6	0.28	3.5	0.1	1	30.4	0.02	1.9	0.069	0.08	0.5	1.9	40	50
93J853257	7.7	0.02	0.6	0.27	4.5	0.1	1	40.3	0.02	2.5	0.083	0.09	0.6	2.3	45	58
93J853258	6.5	0.06	0.4	0.24	4.7	0.5	3	73.5	0.02	0.5	0.034	0.08	1.4	3.1	35	39
93J853260	5.7	0.04	0.6	0.27	4.0	0.1	1	35.8	0.02	1.5	0.062	0.06	0.5	1.4	38	46
93J853262	8.0	0.02	0.6	0.25	5.1	0.2	1	49.3	0.02	1.8	0.066	0.1	1.2	2.9	45	62
93J853263	5.4	0.01	0.5	0.25	3.0	0.2	1	35.9	0.02	2.0	0.075	0.07	0.8	4.8	40	74
93J853264	4.6	0.02	0.5	0.26	3.0	0.4	2	41.5	0.03	1.4	0.077	0.07	1.7	4.0	35	66
93J853265	4.0	0.02	0.4	0.22	2.2	0.8	1	42.1	0.02	1.5	0.100	0.04	1.4	2.9	35	68
93J853266	10.5	0.07	0.7	0.31	5.4	0.5	1	49.7	0.03	0.7	0.013	0.11	0.8	2.1	43	48
93J853267	2.8	0.03	0.4	0.22	2.0	0.8	1	24.4	0.02	1.3	0.057	0.04	1.8	4.0	15	25
93J853269	4.5	0.01	0.2	0.12	2.5	0.1	1	22.1	0.02	1.5	0.071	0.06	0.4	1.9	28	39
93J853270	6.5	0.05	0.3	0.22	4.5	0.4	1	53.9	0.02	0.4	0.032	0.08	0.7	2.3	25	34
93J853271	6.9	0.02	0.6	0.27	4.3	0.2	1	35.7	0.03	0.9	0.054	0.08	0.5	2.1	45	55
93J853272	4.6	0.24	0.4	0.31	0.9	1.0	1	77.1	0.02	0.1	0.007	0.09	0.7	1.5	23	26

Appendix A - Sample Information and Analytical Data

MASTER_ID	Pb_ppm_MS	S_%_MS	Sb_ppm_AA	Sb_ppm_MS	Sc_ppm_MS	Se_ppm_MS	Sn_ppm_COL	Sr_ppm_MS	Te_ppm_MS	Th_ppm_MS	Ti_%_MS	Tl_ppm_MS	U_ppm_MS	U_ppm_NA	V_ppm_AA	V_ppm_MS
93J853273	4.0	0.21	0.4	0.27	0.8	0.9	1	50.3	0.02	0.1	0.005	0.13	0.9	1.9	23	25
93J853274	5.0	0.17	0.4	0.23	2.2	0.7	1	48.4	0.02	0.1	0.011	0.15	1.1	1.9	25	32
93J853275	4.4	0.21	0.4	0.27	1.5	1.0	1	53.3	0.02	0.1	0.008	0.13	1.3	2.1	25	27
93J853276	2.7	0.25	0.4	0.36	0.9	1.3	1	50.6	0.04	0.1	0.004	0.04	1.1	1.3	25	18
93J853277	4.8	0.1	0.2	0.18	1.8	0.5	1	36.7	0.02	0.1	0.016	0.11	0.6	2.1	18	22
93J853278	4.7	0.12	0.3	0.17	2.5	0.5	1	35.3	0.02	0.2	0.017	0.13	0.8	2.0	28	31
93J853279	2.9	0.2	0.2	0.22	0.7	0.8	1	35.8	0.02	0.1	0.006	0.07	0.7	0.9	15	14
93J853280	5.8	0.01	0.5	0.24	3.7	0.2	1	29.4	0.02	2.1	0.066	0.08	1.0	3.5	38	47

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851002	0.1	1	55	58.6
93J851003	0.1	1	49	52.6
93J851004	0.1	1	37	39.2
93J851005	0.2	1	50	55.5
93J851006	0.1	1	52	57.9
93J851007	0.1	1	53	51.2
93J851008	0.1	1	120	118.1
93J851009	0.1	1	36	39.1
93J851010	0.1	1	110	117.3
93J851011	0.1	1	33	31.6
93J851012	0.1	1	66	71.9
93J851013	0.1	1	44	43.7
93J851014	0.1	1	46	49.0
93J851016	0.1	1	40	41.0
93J851017	0.1	1	79	94.3
93J851018	0.1	1	79	80.3
93J851019	0.1	1	67	71.7
93J851020	0.1	1	94	108.6
93J851022	0.1	1	39	41.9
93J851023	0.1	1	86	92.2
93J851024	0.1	1	87	83.8
93J851025	0.1	1	92	106.8
93J851026	0.1	1	59	70.2
93J851027	0.1	1	56	62.5
93J851028	0.1	1	120	108.1
93J851029	0.1	1	77	86.2
93J851030	0.1	1	93	104.9
93J851031	0.1	1	99	105.4
93J851032	0.1	1	62	63.4
93J851033	0.1	1	74	86.5
93J851034	0.1	1	77	80.8
93J851035	0.1	1	86	93.0
93J851036	0.1	1	85	89.2
93J851037	0.1	1	62	63.4
93J851038	0.1	1	140	127.9
93J851039	0.1	1	55	57.3
93J851043	0.1	1	53	62.2
93J851044	0.1	1	59	60.9
93J851045	0.1	1	140	133.8
93J851046	0.1	1	97	108.5
93J851047	0.1	1	78	81.8
93J851048	0.1	1	75	76.9
93J851049	0.1	1	150	139.5
93J851050	0.1	1	79	91.6
93J851051	0.1	1	88	106.9
93J851052	0.1	1	59	60.7
93J851053	0.1	1	130	112.7
93J851054	0.1	1	170	160.0
93J851055	0.1	1	69	69.3
93J851056	0.1	1	60	62.5
93J851057	0.1	1	62	67.6
93J851058	0.1	1	100	112.2

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851059	0.1	1	94	97.4
93J851060	0.1	1	91	96.1
93J851062	0.1	1	58	60.7
93J851063	0.1	1	350	360.3
93J851064	0.1	1	84	86.0
93J851065	0.1	1	86	90.6
93J851066	0.1	1	130	119.4
93J851067	0.1	1	190	205.4
93J851068	0.1	1	370	380.8
93J851069	0.1	1	85	96.9
93J851070	0.1	1	120	132.4
93J851071	0.1	1	120	140.4
93J851073	0.1	1	80	97.4
93J851074	0.1	1	49	59.1
93J851075	0.1	1	40	48.5
93J851076	0.1	1	170	198.3
93J851077	0.1	1	67	84.1
93J851078	0.1	3	48	61.8
93J851079	0.1	3	55	61.5
93J851080	0.1	3	52	58.7
93J851082	0.1	1	97	126.3
93J851083	0.1	1	69	83.5
93J851084	0.1	1	51	59.6
93J851085	0.1	1	46	51.4
93J851086	0.1	1	72	84.8
93J851087	0.1	1	52	54.7
93J851088	0.1	1	51	54.3
93J851089	0.1	1	59	69.3
93J851090	0.1	1	70	79.8
93J851091	0.1	1	110	109.5
93J851092	0.1	1	62	66.4
93J851093	0.1	1	93	104.7
93J851095	0.1	1	89	107.2
93J851096	0.1	3	44	50.9
93J851097	0.1	1	42	38.4
93J851098	0.2	1	33	32.9
93J851099	0.1	3	38	39.1
93J851100	0.3	1	49	49.7
93J851102	0.5	1	78	81.7
93J851103	0.1	1	120	120.6
93J851104	0.1	1	52	55.9
93J851105	0.1	1	52	57.3
93J851106	0.1	1	73	74.1
93J851107	0.1	1	51	52.9
93J851108	0.1	1	99	107.1
93J851109	0.1	1	93	101.3
93J851110	0.1	1	56	61.5
93J851111	0.1	1	63	71.3
93J851112	0.1	1	160	159.8
93J851113	0.1	1	60	65.9
93J851115	0.1	1	65	73.8
93J851116	0.1	1	120	131.4

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851117	0.1	1	87	108.1
93J851118	0.1	1	78	93.0
93J851119	0.1	1	88	103.3
93J851120	0.1	1	150	152.1
93J851122	0.1	1	100	116.9
93J851123	0.1	1	60	67.1
93J851124	0.1	1	69	79.7
93J851125	0.1	1	61	76.2
93J851126	0.1	1	59	61.5
93J851127	0.1	1	99	111.1
93J851128	0.1	1	52	58.5
93J851129	0.1	1	57	64.4
93J851130	0.1	1	84	88.9
93J851131	0.1	1	52	54.3
93J851132	0.1	1	42	46.6
93J851133	0.1	1	87	90.2
93J851134	0.1	1	47	47.1
93J851135	0.7	9	27	26.8
93J851136	0.1	5	25	24.7
93J851138	0.1	1	39	38.6
93J851139	0.1	1	49	48.6
93J851140	0.1	1	41	39.8
93J851142	0.6	1	49	50.9
93J851143	0.1	1	29	29.8
93J851144	0.1	1	61	61.0
93J851145	0.2	1	26	24.0
93J851146	0.1	1	29	28.0
93J851147	0.1	1	69	70.8
93J851148	0.1	1	77	87.4
93J851149	0.1	2	49	54.7
93J851151	0.1	1	51	51.4
93J851152	0.1	1	46	48.1
93J851153	0.1	1	59	61.0
93J851154	0.1	1	70	74.1
93J851155	0.1	1	60	70.2
93J851156	0.1	1	38	41.1
93J851157	0.1	1	13	13.6
93J851158	0.1	1	22	22.0
93J851159	0.1	1	37	33.6
93J851160	0.1	1	43	45.8
93J851162	0.1	1	47	50.5
93J851164	0.8	1	68	63.8
93J851165	0.1	1	58	61.0
93J851166	0.1	1	31	33.9
93J851167	0.1	1	32	35.8
93J851168	0.1	1	70	74.3
93J851169	0.2	1	130	136.1
93J851170	0.1	1	99	108.6
93J851171	0.1	1	87	95.0
93J851172	0.1	1	65	71.1
93J851173	0.1	1	62	62.5
93J851174	0.1	1	30	32.3

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851175	0.1	1	50	54.2
93J851176	0.1	1	49	54.9
93J851177	0.1	1	11	9.9
93J851178	0.1	1	57	63.0
93J851179	0.1	1	74	77.9
93J851180	0.1	1	73	79.5
93J851182	0.1	1	47	53.4
93J851183	0.1	1	52	56.8
93J851184	0.1	1	70	77.4
93J851185	0.1	1	59	63.2
93J851186	0.1	1	60	64.6
93J851187	0.1	1	97	108.3
93J851188	0.1	1	67	67.4
93J851189	0.1	1	64	65.1
93J851190	0.2	1	72	79.7
93J851192	0.1	1	52	54.5
93J851193	0.1	1	31	30.5
93J851194	0.1	1	29	30.8
93J851195	0.3	3	59	60.9
93J851196	0.1	1	36	37.6
93J851197	0.3	1	57	66.1
93J851198	0.1	1	56	60.7
93J851199	0.1	1	58	62.1
93J851200	0.3	1	42	48.9
93J851202	0.1	1	33	35.7
93J851203	0.1	1	75	76.2
93J851204	0.1	1	53	55.3
93J851205	0.1	1	54	59.2
93J851206	0.1	3	93	123.6
93J851207	0.1	1	88	98.8
93J851208	0.1	1	88	101.7
93J851209	0.1	1	53	59.3
93J851210	0.1	1	82	86.0
93J851212	0.1	1	65	73.5
93J851213	0.1	1	58	64.4
93J851214	0.1	1	79	80.6
93J851215	0.1	1	53	56.9
93J851216	0.1	1	47	48.4
93J851217	0.1	1	61	58.2
93J851218	0.1	1	90	90.1
93J851219	0.1	1	45	42.0
93J851220	0.1	1	53	53.3
93J851222	0.1	1	53	54.6
93J851223	0.1	1	60	58.8
93J851224	0.1	1	44	44.1
93J851225	0.1	1	35	34.5
93J851226	0.1	1	62	60.5
93J851227	0.1	1	63	57.4
93J851229	0.1	3	61	58.5
93J851230	0.1	1	46	44.3
93J851231	0.1	1	37	35.7
93J851232	0.1	1	65	70.1

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851233	0.3	1	68	71.8
93J851234	0.1	1	63	67.8
93J851235	0.1	1	67	66.4
93J851236	0.1	1	69	67.1
93J851237	0.1	1	45	49.3
93J851238	0.1	1	89	91.4
93J851239	0.1	1	61	60.4
93J851240	0.1	1	94	97.8
93J851242	0.1	1	63	60.5
93J851243	0.1	1	47	50.2
93J851244	0.1	1	170	143.3
93J851245	0.1	1	79	73.7
93J851246	0.1	1	57	54.1
93J851247	0.1	3	79	80.0
93J851248	0.2	3	120	104.1
93J851249	0.1	1	50	48.7
93J851250	0.1	1	48	47.0
93J851251	0.1	1	52	56.1
93J851252	0.1	1	65	63.6
93J851254	0.1	1	56	59.9
93J851255	0.1	1	48	51.5
93J851256	0.1	1	50	53.7
93J851257	0.1	1	90	93.9
93J851258	0.1	1	94	106.2
93J851259	0.1	1	32	30.9
93J851260	0.1	1	81	87.9
93J851262	0.1	1	54	52.1
93J851263	0.1	1	56	61.5
93J851264	0.1	1	73	79.5
93J851265	0.1	1	70	78.5
93J851266	0.1	1	63	68.8
93J851267	0.1	1	66	71.0
93J851268	0.1	1	160	163.6
93J851269	0.1	1	61	68.4
93J851270	0.1	1	58	57.8
93J851271	0.1	1	49	49.1
93J851272	0.1	1	54	55.5
93J851273	0.1	1	47	48.4
93J851274	0.1	1	45	49.5
93J851275	0.1	1	49	51.0
93J851277	0.2	3	60	66.5
93J851278	0.2	3	56	59.0
93J851279	0.1	1	43	43.7
93J851280	0.1	1	33	31.6
93J851282	0.1	1	40	40.0
93J851283	0.1	1	31	30.9
93J851284	0.1	1	27	25.7
93J851285	0.1	1	52	54.3
93J851286	0.1	1	21	21.3
93J851287	0.1	1	56	53.4
93J851288	0.1	1	45	43.7
93J851289	0.1	1	43	41.2

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851290	0.1	1	77	78.9
93J851291	0.1	1	53	52.9
93J851292	0.1	1	84	88.4
93J851294	0.1	1	93	98.8
93J851295	0.1	1	60	59.4
93J851296	0.1	1	61	63.2
93J851297	0.1	1	78	75.1
93J851298	0.1	1	55	64.2
93J851299	0.1	1	53	58.7
93J851300	0.1	1	63	72.1
93J851302	0.1	1	60	66.3
93J851303	0.1	1	63	70.0
93J851304	0.1	1	62	65.7
93J851305	0.1	1	150	146.8
93J851306	0.1	1	97	106.6
93J851307	0.1	1	99	114.7
93J851308	0.1	1	84	100.6
93J851309	0.1	1	55	61.9
93J851310	0.1	1	52	60.4
93J851312	0.1	1	130	127.1
93J851313	0.1	1	92	94.6
93J851314	0.1	1	68	81.9
93J851315	0.1	1	81	93.1
93J851316	0.1	1	77	83.3
93J851317	0.1	1	140	130.5
93J851318	0.1	1	91	104.2
93J851319	0.1	1	57	59.7
93J851320	0.1	1	63	69.8
93J851322	0.1	1	62	60.0
93J851323	0.1	1	55	54.7
93J851324	0.1	1	89	93.1
93J851325	0.1	1	76	78.2
93J851326	0.1	1	67	62.7
93J851327	0.1	1	82	82.3
93J851328	0.1	3	32	30.3
93J851329	0.1	1	44	42.1
93J851330	0.1	1	36	35.2
93J851331	0.2	1	150	142.1
93J851332	0.1	3	60	63.6
93J851334	0.1	3	85	84.5
93J851335	0.1	1	36	33.7
93J851336	0.1	3	39	39.5
93J851337	0.1	2	40	40.8
93J851338	0.1	1	31	27.3
93J851339	0.1	1	32	28.6
93J851340	0.1	3	97	100.2
93J851342	0.1	3	85	89.2
93J851343	0.1	1	55	52.4
93J851344	0.2	1	65	58.6
93J851345	0.1	1	58	55.0
93J851346	0.1	1	130	118.8
93J851347	0.1	1	48	47.8

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851348	0.1	1	28	23.0
93J851349	0.3	1	75	72.9
93J851350	0.1	1	70	72.8
93J851351	0.1	3	60	57.5
93J851352	0.1	1	65	65.0
93J851353	0.9	4	59	56.8
93J851354	0.1	1	39	38.8
93J851355	0.1	1	53	49.9
93J851357	0.1	1	88	78.9
93J851358	0.1	3	110	110.8
93J851359	0.1	3	69	68.0
93J851360	0.1	2	70	67.0
93J851362	0.1	1	49	51.2
93J851363	0.1	1	34	32.1
93J851364	1	5	39	37.9
93J851365	0.1	1	57	57.8
93J851366	0.2	22	52	55.1
93J851367	0.1	1	130	103.3
93J851368	0.1	1	62	65.2
93J851369	0.1	1	160	149.0
93J851370	0.1	1	77	78.3
93J851371	0.1	1	55	54.9
93J851373	0.1	1	46	48.0
93J851374	0.1	1	54	53.3
93J851375	0.1	1	49	47.8
93J851376	0.1	1	67	67.3
93J851377	0.1	1	96	98.6
93J851378	0.1	1	75	78.8
93J851379	0.1	1	86	92.0
93J851380	0.1	1	150	134.8
93J851382	0.1	1	92	94.4
93J851383	0.1	1	61	63.8
93J851384	0.1	1	180	168.7
93J851386	0.1	1	90	88.6
93J851387	0.1	1	250	230.4
93J851388	0.1	1	250	217.5
93J851389	0.1	1	230	202.2
93J851390	0.1	1	150	121.4
93J851391	0.1	1	44	73.6
93J851392	0.1	1	81	41.7
93J851393	0.1	1	66	80.1
93J851394	0.1	1	87	69.0
93J851395	0.1	1	90	85.8
93J851396	0.1	1	260	87.6
93J851397	0.1	1	78	74.7
93J851398	0.1	1	96	93.7
93J851399	0.1	1	79	72.7
93J851400	0.1	1	77	73.3
93J851402	0.1	1	63	57.4
93J851403	0.1	1	56	53.1
93J851404	0.1	1	54	50.4
93J851405	0.1	1	79	69.0

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851406	0.1	1	82	75.9
93J851407	0.1	1	82	80.3
93J851409	0.1	1	75	68.9
93J851410	0.1	1	120	101.8
93J851411	0.1	1	62	59.8
93J851412	0.1	1	110	98.5
93J851413	0.1	1	100	71.4
93J851414	0.1	1	52	45.3
93J851415	0.1	1	13	9.4
93J851416	0.1	1	95	91.0
93J851417	0.1	1	75	66.9
93J851418	0.1	1	63	52.7
93J851419	0.4	3	87	81.6
93J851420	0.1	1	54	49.6
93J851422	0.7	3	160	117.3
93J851423	0.2	1	80	68.6
93J851424	0.1	1	51	43.0
93J851425	0.7	3	140	123.9
93J851427	0.2	1	64	58.2
93J851428	0.1	1	59	51.6
93J851429	0.1	1	56	50.5
93J851430	0.1	1	64	63.0
93J851431	0.1	1	83	85.6
93J851432	0.1	1	99	102.7
93J851433	0.1	1	82	80.2
93J851434	0.1	1	75	69.9
93J851435	0.1	1	40	34.6
93J851436	0.1	1	47	43.3
93J851437	0.1	1	39	36.3
93J851438	0.1	1	46	46.2
93J851439	0.1	1	83	68.3
93J851440	0.1	1	50	50.2
93J851442	0.1	1	44	41.9
93J851443	0.1	1	60	60.3
93J851444	0.1	1	65	65.5
93J851445	0.1	1	130	110.8
93J851446	0.1	1	30	28.3
93J851447	0.1	1	79	76.2
93J851448	0.1	1	82	79.6
93J851449	0.1	1	38	35.1
93J851450	0.1	1	49	46.1
93J851451	0.1	1	79	74.4
93J851452	0.1	1	68	67.3
93J851453	0.1	1	49	45.1
93J851454	0.1	1	68	64.3
93J851456	4.2	7	50	45.1
93J851457	0.1	1	41	39.7
93J851458	0.1	3	48	44.8
93J851459	0.1	1	42	37.2
93J851460	0.1	1	40	34.4
93J851462	0.1	1	79	75.5
93J851463	0.1	1	82	83.8

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851464	0.1	1	140	132.7
93J851465	0.1	1	95	93.2
93J851466	0.1	1	65	62.5
93J851467	0.1	1	58	54.4
93J851468	0.1	1	63	57.8
93J851469	0.1	1	84	80.8
93J851470	0.1	1	50	48.4
93J851471	0.3	1	46	44.2
93J851472	0.1	3	80	81.6
93J851474	0.7	3	42	39.3
93J851475	0.2	5	43	36.1
93J851476	0.1	4	64	63.0
93J851477	0.1	3	49	45.0
93J851478	0.1	1	120	102.7
93J851479	0.1	1	59	58.1
93J851480	0.1	1	150	73.0
93J851482	0.1	1	61	53.1
93J851483	0.1	1	61	61.7
93J851484	0.1	1	140	130.6
93J851485	0.1	1	110	112.6
93J851486	0.1	1	69	69.4
93J851487	0.1	1	91	93.4
93J851488	0.1	1	660	649.8
93J851489	0.1	1	88	83.8
93J851491	0.1	1	82	81.5
93J851492	0.1	1	170	153.1
93J851493	0.1	1	77	72.2
93J851494	0.1	1	83	75.3
93J851495	0.1	1	67	65.9
93J851496	0.1	1	140	122.7
93J851497	0.1	1	130	116.8
93J851498	0.1	1	70	73.4
93J851499	0.1	1	34	31.8
93J851500	0.1	1	26	23.4
93J851502	0.1	1	55	53.6
93J851504	0.1	1	79	78.0
93J851505	0.1	1	76	86.3
93J851506	0.1	1	54	54.7
93J851507	0.1	1	92	97.7
93J851508	0.1	1	66	64.2
93J851509	0.1	1	93	93.6
93J851510	0.1	1	170	165.5
93J851511	0.1	1	50	48.0
93J851512	0.1	1	82	85.4
93J851513	0.1	1	130	128.0
93J851514	0.1	1	110	105.3
93J851515	0.1	1	110	106.0
93J851516	0.1	1	95	102.7
93J851517	0.1	1	54	56.4
93J851518	0.1	1	90	93.5
93J851519	0.1	1	72	77.3
93J851520	0.1	1	71	68.3

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851522	0.1	1	65	65.7
93J851523	0.1	1	89	87.7
93J851524	0.1	1	85	85.8
93J851525	0.1	1	43	39.6
93J851526	0.1	1	65	69.2
93J851527	0.1	1	65	66.0
93J851529	0.1	1	61	64.2
93J851530	0.2	1	71	72.6
93J851531	0.1	1	73	74.0
93J851532	0.1	1	140	139.5
93J851533	0.1	1	70	72.4
93J851534	0.1	1	75	76.0
93J851535	0.1	1	64	65.4
93J851536	0.1	1	77	82.4
93J851537	0.1	1	90	90.4
93J851538	0.1	1	85	91.0
93J851539	0.1	1	59	63.1
93J851540	0.1	1	190	195.3
93J851542	0.1	1	58	59.6
93J851543	0.1	1	55	57.4
93J851544	0.1	1	52	51.2
93J851545	0.1	1	64	66.9
93J851546	0.1	1	72	74.4
93J851547	0.1	1	120	112.1
93J851548	0.1	1	120	103.6
93J851549	0.1	1	57	53.7
93J851550	0.1	1	110	96.2
93J851551	0.1	1	79	76.2
93J851552	0.1	1	87	85.9
93J851553	0.1	1	47	47.2
93J851554	0.1	1	46	45.5
93J851555	0.1	1	37	35.4
93J851556	0.1	1	65	64.4
93J851557	0.1	1	150	120.6
93J851558	0.1	1	65	58.7
93J851559	0.1	1	51	46.3
93J851562	0.1	1	63	62.0
93J851563	0.1	1	47	45.6
93J851564	0.1	1	49	49.1
93J851565	0.1	1	79	75.7
93J851566	0.1	1	72	73.6
93J851567	0.1	1	55	49.6
93J851568	0.1	1	65	57.8
93J851569	0.1	1	47	43.6
93J851570	0.1	1	44	48.1
93J851571	0.1	1	51	50.0
93J851572	0.1	3	28	28.4
93J851573	0.1	1	76	85.7
93J851574	0.1	1	83	87.0
93J851575	0.2	1	66	60.8
93J851577	0.1	1	75	78.4
93J851578	0.1	1	73	76.4

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851579	0.1	1	69	69.7
93J851580	0.1	1	74	85.6
93J851582	0.1	1	55	58.5
93J851583	0.1	1	130	123.3
93J851584	0.1	1	65	64.5
93J851585	0.1	1	55	54.1
93J851586	0.1	1	16	15.1
93J851587	0.3	1	81	87.2
93J851588	1.4	1	83	91.6
93J851589	1.2	3	97	104.0
93J851590	0.2	2	100	111.9
93J851591	0.1	1	13	17.4
93J851592	0.2	1	65	72.6
93J851593	-1	3	72	-1.0
93J851594	0.2	1	63	61.0
93J851595	0.1	1	48	46.7
93J851597	0.1	1	21	22.2
93J851598	0.1	1	130	148.2
93J851599	0.1	1	54	56.3
93J851600	0.1	1	40	42.6
93J851602	0.1	1	72	76.1
93J851603	0.1	1	88	96.9
93J851604	0.1	1	82	83.3
93J851605	0.1	1	93	100.5
93J851606	0.1	1	49	49.9
93J851607	0.1	1	52	55.1
93J851608	0.1	1	53	56.4
93J851609	0.1	1	49	49.9
93J851611	0.1	1	53	62.0
93J851612	0.1	1	63	67.3
93J851613	0.1	1	48	49.6
93J851614	0.1	1	93	89.0
93J851615	0.1	1	49	51.0
93J851616	0.1	1	70	73.3
93J851617	0.1	1	130	120.8
93J851618	0.1	1	160	148.0
93J851619	0.2	1	67	70.4
93J851620	0.1	1	130	115.4
93J851622	0.5	1	95	94.2
93J851623	0.1	1	60	59.8
93J851625	0.1	1	37	37.6
93J851626	0.1	1	50	54.3
93J851627	0.1	1	87	91.9
93J851628	0.1	1	95	95.2
93J851629	0.1	1	62	64.4
93J851630	0.1	1	110	97.0
93J851631	0.1	1	90	96.0
93J851632	0.1	1	74	74.7
93J851633	0.1	1	82	83.9
93J851634	0.1	1	74	69.6
93J851635	0.1	1	92	92.1
93J851636	0.1	1	79	81.8

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851637	0.1	1	91	94.4
93J851638	0.1	1	150	143.3
93J851639	0.1	1	130	120.3
93J851640	0.1	1	230	225.3
93J851642	0.1	1	88	84.7
93J851643	0.1	1	34	31.6
93J851644	0.1	1	78	75.6
93J851645	0.1	1	84	86.7
93J851646	0.1	1	62	63.8
93J851647	0.4	1	76	79.7
93J851648	0.9	1	67	67.3
93J851649	0.1	1	83	95.8
93J851650	0.1	1	130	130.2
93J851651	0.1	1	99	105.2
93J851653	0.1	1	110	116.8
93J851654	0.1	1	52	52.8
93J851655	0.1	1	38	38.4
93J851656	0.1	1	87	84.9
93J851657	0.1	1	95	90.6
93J851658	0.1	1	86	87.4
93J851659	0.1	1	120	123.9
93J851660	0.1	1	68	67.2
93J851662	0.1	1	120	113.4
93J851663	0.1	1	75	78.0
93J851665	0.1	1	64	65.8
93J851666	0.1	1	160	170.8
93J851667	0.1	1	49	51.4
93J851668	0.1	1	73	76.6
93J851669	0.1	1	56	58.9
93J851670	0.1	1	74	71.3
93J851671	0.1	1	90	88.6
93J851672	0.1	1	44	45.5
93J851673	0.1	1	110	109.8
93J851674	0.1	1	140	116.3
93J851675	0.1	1	73	74.0
93J851676	0.1	1	37	38.8
93J851677	0.1	1	90	90.7
93J851678	0.1	1	39	37.9
93J851679	0.1	1	65	69.0
93J851680	0.1	1	72	79.9
93J851682	0.1	1	79	78.6
93J851683	0.1	1	45	49.7
93J851684	0.1	1	52	54.5
93J851685	0.1	1	76	83.7
93J851686	0.1	1	65	70.8
93J851687	0.1	1	37	38.7
93J851688	0.1	1	59	62.2
93J851689	0.1	1	53	52.9
93J851690	0.1	1	420	437.9
93J851692	0.1	1	28	29.2
93J851693	0.1	1	43	46.4
93J851694	0.1	1	75	83.0

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851695	0.1	1	190	190.5
93J851696	0.1	1	180	185.2
93J851697	0.1	1	71	81.0
93J851698	0.1	1	59	71.1
93J851699	0.1	1	91	105.6
93J851700	0.1	1	84	97.7
93J851702	0.1	1	63	77.2
93J851703	0.1	1	64	73.5
93J851705	0.1	1	59	68.6
93J851706	0.1	1	98	125.9
93J851707	0.1	1	44	49.1
93J851708	0.1	1	70	86.2
93J851709	0.1	1	61	65.0
93J851710	0.1	1	43	49.7
93J851711	0.1	1	45	51.7
93J851712	0.1	1	41	47.3
93J851713	0.1	1	36	39.7
93J851714	0.1	1	54	66.4
93J851715	0.1	1	25	27.7
93J851716	0.1	1	28	27.8
93J851717	0.1	1	56	59.7
93J851718	0.1	1	49	57.4
93J851719	0.1	1	52	56.7
93J851720	0.1	1	47	59.8
93J851722	0.1	1	140	146.3
93J851723	0.1	1	130	135.9
93J851724	0.1	1	64	71.4
93J851726	0.1	1	90	101.6
93J851727	0.1	1	47	51.9
93J851728	0.1	1	68	78.5
93J851729	0.1	1	54	64.0
93J851730	0.1	1	10	8.4
93J851731	0.1	1	39	45.2
93J851732	0.1	1	10	10.9
93J851733	0.1	1	47	57.3
93J851734	0.1	1	50	57.5
93J851735	0.1	1	35	39.5
93J851736	0.1	1	51	55.6
93J851737	0.1	1	70	79.9
93J851738	0.1	1	38	41.5
93J851739	0.8	1	83	100.2
93J851740	0.1	1	51	60.5
93J851742	0.1	1	63	61.3
93J851743	0.1	1	87	91.1
93J851744	0.1	1	44	47.3
93J851745	0.1	1	63	70.5
93J851746	0.1	1	42	43.1
93J851747	0.1	1	220	201.1
93J851748	0.1	1	55	57.6
93J851749	0.1	1	97	102.6
93J851750	0.1	1	50	47.7
93J851751	0.1	1	45	44.3

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851753	0.1	1	66	77.6
93J851754	0.1	1	19	19.5
93J851755	0.1	1	75	88.6
93J851756	0.1	1	80	87.3
93J851757	0.1	1	140	123.1
93J851758	0.1	1	28	28.9
93J851759	0.1	1	32	34.2
93J851760	0.1	1	35	41.8
93J851762	0.1	1	31	36.6
93J851763	0.4	3	58	70.8
93J851764	0.1	1	44	51.9
93J851765	0.1	1	62	81.3
93J851766	0.1	1	49	56.8
93J851767	0.1	1	88	112.8
93J851768	0.1	1	29	35.9
93J851769	0.1	1	26	32.0
93J851770	0.1	1	67	79.4
93J851771	0.1	1	50	66.4
93J851772	0.1	1	28	30.4
93J851773	0.1	1	77	98.8
93J851774	0.1	1	58	67.8
93J851776	0.1	1	33	41.7
93J851777	0.1	1	50	65.8
93J851778	0.1	1	69	89.8
93J851779	0.1	1	60	73.6
93J851780	0.1	1	62	79.3
93J851782	0.1	1	71	91.2
93J851783	0.1	1	58	71.8
93J851784	0.1	1	58	66.8
93J851785	0.1	1	75	88.7
93J851786	0.1	1	70	101.2
93J851787	0.1	1	66	80.0
93J851788	0.1	1	82	113.7
93J851789	0.1	1	82	96.2
93J851790	0.1	1	55	65.5
93J851791	0.1	1	51	62.3
93J851793	0.1	1	62	64.5
93J851794	0.1	1	60	66.2
93J851795	0.1	1	170	152.2
93J851796	0.1	1	98	106.0
93J851797	0.1	1	42	45.1
93J851798	0.1	1	50	61.3
93J851799	0.1	1	23	23.6
93J851800	0.1	1	24	25.3
93J851802	0.1	1	62	65.0
93J851803	0.1	1	25	23.6
93J851804	0.1	1	46	47.4
93J851805	0.1	1	40	42.3
93J851806	0.1	1	49	52.1
93J851807	0.1	1	28	27.6
93J851808	0.1	1	34	35.5
93J851809	0.1	1	40	43.8

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851810	0.1	1	51	58.6
93J851811	0.1	1	64	72.7
93J851813	-1	-1	78	-1
93J851814	0.2	1	82	100.8
93J851815	0.1	1	65	74.9
93J851816	0.1	1	70	77.8
93J851817	0.1	1	68	73.9
93J851818	0.1	1	74	82.5
93J851819	0.1	1	47	52.0
93J851820	0.1	1	49	48.9
93J851823	0.1	1	42	45.9
93J851824	0.1	1	42	40.8
93J851825	0.1	1	60	66.0
93J851826	0.1	1	64	73.8
93J851827	0.1	1	42	47.2
93J851828	0.1	1	69	81.3
93J851829	0.1	1	21	25.7
93J851830	0.1	1	50	58.6
93J851831	0.1	1	49	55.7
93J851832	0.1	1	97	117.7
93J851833	0.1	1	25	28.4
93J851834	0.3	1	63	76.1
93J851835	0.1	1	52	62.8
93J851836	0.1	1	58	62.8
93J851837	0.1	1	56	57.5
93J851838	0.1	1	61	64.5
93J851839	1.3	3	31	35.0
93J851840	0.2	2	49	58.7
93J851842	0.1	1	26	28.5
93J851843	0.2	3	53	64.8
93J851844	0.1	1	40	46.1
93J851845	0.4	1	47	52.9
93J851846	0.1	1	51	60.2
93J851847	0.1	1	59	68.0
93J851848	0.1	1	46	50.3
93J851850	0.1	1	82	97.3
93J851851	0.1	1	67	73.5
93J851852	0.1	1	79	97.9
93J851853	0.1	1	79	92.9
93J851854	3.3	3	62	71.1
93J851855	0.1	1	220	243.9
93J851856	0.1	1	130	127.3
93J851857	0.1	1	120	117.4
93J851858	0.1	1	56	62.8
93J851859	0.1	1	28	30.0
93J851860	2	3	36	35.5
93J851862	0.2	1	33	35.3
93J851863	0.2	1	96	102.0
93J851864	0.1	1	15	16.6
93J851865	0.2	1	62	66.6
93J851866	0.7	1	70	76.7
93J851867	0.6	3	46	45.0

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851868	0.2	1	38	36.2
93J851869	1.5	1	55	56.6
93J851870	0.3	1	57	60.5
93J851871	0.1	1	84	85.0
93J851872	0.1	1	48	50.4
93J851873	0.1	1	43	43.4
93J851874	0.1	1	39	37.6
93J851876	0.1	1	54	53.1
93J851877	0.1	1	76	81.4
93J851878	0.1	1	49	53.7
93J851879	0.1	1	75	83.6
93J851880	0.1	1	75	83.7
93J851882	0.1	1	70	69.9
93J851883	0.1	1	64	65.3
93J851884	0.1	1	47	46.1
93J851885	0.1	1	28	26.6
93J851886	0.1	1	29	31.8
93J851887	0.1	1	16	15.1
93J851888	0.1	1	86	101.9
93J851890	0.1	1	52	58.9
93J851891	0.1	1	25	21.8
93J851892	0.1	1	95	99.6
93J851893	0.1	1	130	119.7
93J851894	0.1	1	55	56.7
93J851895	0.1	1	63	72.4
93J851896	0.1	1	50	54.6
93J851897	0.1	1	69	76.3
93J851898	0.1	1	140	152.0
93J851899	0.1	1	98	105.0
93J851900	0.1	1	78	83.9
93J851902	0.1	1	74	90.4
93J851903	0.1	1	130	139.1
93J851904	0.1	1	45	49.1
93J851906	0.1	1	59	64.3
93J851907	0.1	1	49	50.3
93J851908	0.1	1	43	49.1
93J851909	0.1	1	43	42.4
93J851910	0.1	1	43	44.3
93J851911	0.1	1	85	89.5
93J851912	0.1	1	53	56.4
93J851913	0.1	1	33	36.7
93J851914	0.1	1	190	200.1
93J851915	0.1	1	89	103.4
93J851916	0.1	1	63	69.1
93J851917	0.1	1	60	66.6
93J851918	0.2	1	59	68.1
93J851919	0.1	1	58	64.3
93J851920	0.1	1	44	43.5
93J851922	0.1	1	42	41.8
93J851923	0.1	1	37	36.1
93J851925	0.1	1	49	51.7
93J851926	0.1	1	63	69.0

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851927	0.1	1	65	74.3
93J851928	0.1	1	67	68.0
93J851929	0.1	1	69	67.5
93J851930	0.1	1	70	72.4
93J851931	0.1	1	66	66.4
93J851932	0.1	1	44	48.2
93J851933	0.1	1	56	54.7
93J851934	0.1	1	240	281.7
93J851935	0.1	1	23	27.3
93J851936	0.1	1	320	357.6
93J851937	0.1	1	180	200.2
93J851938	0.1	1	43	44.7
93J851939	0.1	1	880	922.8
93J851940	0.1	1	250	292.0
93J851942	0.1	1	160	187.0
93J851943	0.1	1	170	180.7
93J851944	0.1	1	48	50.1
93J851945	0.1	1	60	62.7
93J851947	0.1	1	62	64.6
93J851948	0.1	1	81	83.9
93J851949	0.1	1	83	90.3
93J851950	0.1	1	62	69.5
93J851951	0.1	1	40	42.9
93J851952	0.1	1	80	93.7
93J851953	0.1	1	87	91.8
93J851954	0.1	1	64	67.8
93J851955	0.1	1	120	130.8
93J851956	0.1	1	65	69.3
93J851957	0.1	1	66	71.4
93J851958	0.1	1	71	72.3
93J851959	0.1	1	42	39.1
93J851960	0.1	1	75	74.7
93J851962	0.1	1	69	81.1
93J851963	0.1	1	65	73.6
93J851964	0.1	1	20	20.5
93J851965	0.1	1	63	66.0
93J851966	0.1	1	90	89.1
93J851967	0.1	1	110	122.7
93J851968	0.1	1	69	73.7
93J851969	0.1	1	54	60.0
93J851971	0.1	1	8	8.2
93J851972	0.1	1	74	81.5
93J851973	0.1	1	69	70.3
93J851974	0.1	1	37	29.0
93J851975	0.1	1	68	64.8
93J851976	0.3	1	50	52.7
93J851977	0.1	1	68	68.7
93J851978	0.1	1	49	50.9
93J851979	0.1	1	51	53.4
93J851980	0.1	1	25	23.7
93J851982	0.1	1	18	4.1
93J851983	0.1	1	60	58.8

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J851984	0.1	1	58	62.7
93J851985	0.1	1	54	58.6
93J851986	0.1	1	51	59.2
93J851987	0.1	1	47	49.7
93J851988	0.1	1	63	72.4
93J851989	0.1	1	57	63.3
93J851990	0.1	1	57	65.5
93J851991	0.1	1	75	77.2
93J851992	0.1	1	69	73.7
93J851993	0.1	1	14	15.1
93J851994	0.1	1	120	133.8
93J851996	0.1	1	120	111.8
93J851997	0.2	3	84	95.2
93J851998	0.1	5	70	74.5
93J851999	0.1	3	23	23.7
93J853000	-1	-1	-1	-1
93J853002	0.2	2	65	68.6
93J853003	0.1	1	87	96.2
93J853004	0.1	1	73	75.8
93J853005	0.1	1	57	59.5
93J853006	0.2	1	51	52.8
93J853007	0.1	1	98	100.8
93J853008	0.1	1	74	78.8
93J853009	0.1	1	71	79.6
93J853010	0.1	1	19	16.0
93J853011	0.2	1	59	62.7
93J853012	0.1	1	27	24.9
93J853013	0.1	1	45	51.7
93J853014	0.1	1	60	67.4
93J853016	0.1	1	53	58.8
93J853017	0.1	1	54	58.2
93J853018	0.1	1	56	59.9
93J853019	0.1	1	89	99.9
93J853020	0.1	1	16	16.4
93J853022	0.2	1	65	73.2
93J853024	0.1	1	64	69.9
93J853025	0.1	1	59	72.1
93J853026	0.1	1	59	70.1
93J853027	0.1	1	20	21.2
93J853028	0.1	1	27	28.4
93J853029	0.1	1	33	34.4
93J853030	0.1	1	71	84.9
93J853031	0.1	1	47	50.9
93J853032	0.1	1	57	62.9
93J853033	0.1	1	73	88.4
93J853034	0.1	1	41	50.6
93J853035	0.1	1	42	51.4
93J853036	0.1	1	37	45.7
93J853037	0.1	1	8	8.3
93J853038	0.1	1	58	66.4
93J853039	0.1	1	11	9.8
93J853040	0.1	1	65	69.5

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J853042	0.1	1	53	60.4
93J853043	0.1	1	67	78.5
93J853044	0.1	1	73	80.7
93J853046	0.1	1	61	63.9
93J853047	0.1	1	120	121.3
93J853048	0.1	1	27	29.3
93J853049	0.1	1	78	85.4
93J853050	0.1	1	65	69.0
93J853051	0.1	1	18	19.5
93J853052	0.1	1	41	41.9
93J853053	0.1	1	19	19.7
93J853054	0.1	1	37	37.2
93J853055	0.1	1	35	36.8
93J853056	0.1	1	31	32.6
93J853057	0.1	1	33	39.1
93J853058	0.1	1	50	52.6
93J853059	0.1	1	49	53.9
93J853060	0.1	1	50	51.7
93J853062	0.1	1	83	87.9
93J853063	0.1	1	41	43.2
93J853064	0.1	1	38	40.4
93J853065	0.1	1	44	48.4
93J853066	0.1	1	35	42.0
93J853067	0.1	1	29	29.1
93J853068	0.1	1	32	33.4
93J853069	0.1	1	70	79.2
93J853070	0.1	1	97	100.9
93J853071	0.1	1	110	136.4
93J853072	0.1	1	65	69.0
93J853073	0.1	1	120	142.2
93J853074	0.1	1	53	56.1
93J853075	0.1	2	110	128.1
93J853076	0.1	1	54	59.9
93J853078	0.1	1	49	49.4
93J853079	0.1	1	62	69.3
93J853080	0.1	1	38	41.2
93J853083	0.1	1	39	38.3
93J853084	0.8	3	66	74.1
93J853085	3.2	3	71	72.3
93J853086	0.1	1	37	31.4
93J853087	0.1	1	31	29.1
93J853088	0.1	1	73	73.3
93J853089	0.1	1	73	76.7
93J853090	0.1	1	41	41.7
93J853091	0.1	1	32	29.9
93J853092	0.1	1	41	42.0
93J853093	0.1	1	80	87.0
93J853094	0.1	1	45	51.2
93J853095	0.1	1	73	76.2
93J853096	0.1	1	86	93.1
93J853097	0.1	1	54	60.6
93J853098	0.1	1	69	68.3

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J853099	0.1	1	170	159.7
93J853100	0.1	1	49	51.5
93J853102	0.1	3	72	80.8
93J853103	0.1	3	130	113.9
93J853104	0.1	3	130	134.6
93J853105	0.1	3	120	127.2
93J853106	0.1	3	92	117.4
93J853107	0.1	1	120	120.7
93J853108	0.1	1	140	129.5
93J853109	0.1	1	83	97.1
93J853110	0.1	1	94	99.4
93J853111	0.1	1	86	101.6
93J853112	0.1	1	59	59.6
93J853113	0.1	1	45	46.9
93J853114	0.1	1	69	78.6
93J853115	0.1	1	48	46.7
93J853116	0.1	1	49	50.9
93J853117	0.1	1	68	88.5
93J853118	0.1	1	43	43.3
93J853119	0.1	1	57	58.4
93J853122	0.1	1	58	64.1
93J853123	0.1	1	56	66.6
93J853124	0.1	1	53	54.2
93J853125	0.1	1	77	80.4
93J853126	0.1	1	62	66.4
93J853127	0.1	1	49	50.3
93J853128	0.1	1	48	47.0
93J853129	0.1	1	49	54.9
93J853130	0.1	1	34	34.9
93J853131	0.1	1	48	58.1
93J853132	0.1	1	46	52.3
93J853133	0.1	1	30	30.0
93J853134	0.1	1	71	80.2
93J853136	0.1	1	76	70.6
93J853137	0.1	1	110	105.0
93J853138	0.1	1	74	75.8
93J853139	0.1	1	110	114.5
93J853140	0.1	1	72	81.7
93J853142	0.1	1	22	25.9
93J853143	0.1	1	21	53.4
93J853144	0.1	1	28	30.8
93J853145	0.1	1	80	81.3
93J853146	0.1	1	180	175.3
93J853147	0.1	1	34	36.4
93J853149	0.1	1	140	149.4
93J853150	0.1	1	50	49.6
93J853151	0.1	1	78	76.3
93J853152	0.1	1	160	145.3
93J853153	0.1	1	85	86.0
93J853154	0.1	1	55	57.6
93J853155	0.1	1	93	95.5
93J853156	0.1	1	93	88.9

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J853157	0.1	1	59	68.5
93J853158	0.1	1	98	112.2
93J853159	0.1	1	95	105.6
93J853160	0.1	1	58	62.7
93J853162	0.1	1	79	90.3
93J853163	0.1	1	49	58.6
93J853164	0.1	1	75	84.1
93J853165	0.1	1	74	85.9
93J853166	0.1	1	97	107.1
93J853167	0.1	1	71	84.6
93J853168	0.1	1	35	40.6
93J853169	0.1	1	64	75.9
93J853170	0.1	1	64	68.6
93J853171	0.1	1	85	99.2
93J853172	0.1	1	44	43.3
93J853173	0.1	1	46	48.7
93J853174	0.1	1	66	74.8
93J853175	0.1	1	15	15.8
93J853176	0.1	1	85	93.9
93J853177	0.1	2	91	102.6
93J853178	0.1	1	55	59.8
93J853179	0.1	1	150	142.4
93J853182	0.1	1	110	111.1
93J853183	0.1	1	92	107.1
93J853184	0.1	1	70	67.9
93J853186	0.1	1	170	163.8
93J853187	0.1	1	88	94.3
93J853188	0.1	1	87	84.4
93J853189	0.1	1	110	113.1
93J853190	0.1	1	72	80.8
93J853191	0.1	1	140	145.3
93J853192	0.1	1	57	62.8
93J853193	0.1	1	59	63.2
93J853194	0.1	1	180	189.0
93J853195	0.1	1	41	45.9
93J853196	0.1	1	88	97.0
93J853197	0.1	1	130	125.8
93J853198	0.1	1	40	44.9
93J853199	0.1	1	170	161.7
93J853200	0.1	1	96	103.2
93J853202	0.1	1	97	107.7
93J853203	0.1	1	130	110.6
93J853204	0.1	1	80	94.9
93J853205	0.1	1	88	98.1
93J853206	0.1	1	82	93.2
93J853207	0.1	1	63	68.6
93J853208	0.1	1	97	99.2
93J853209	0.1	1	93	98.1
93J853210	0.1	1	82	92.1
93J853211	0.1	1	74	79.2
93J853212	0.1	3	80	92.0
93J853213	0.1	1	86	89.9

Appendix A - Sample Information and Analytical Data

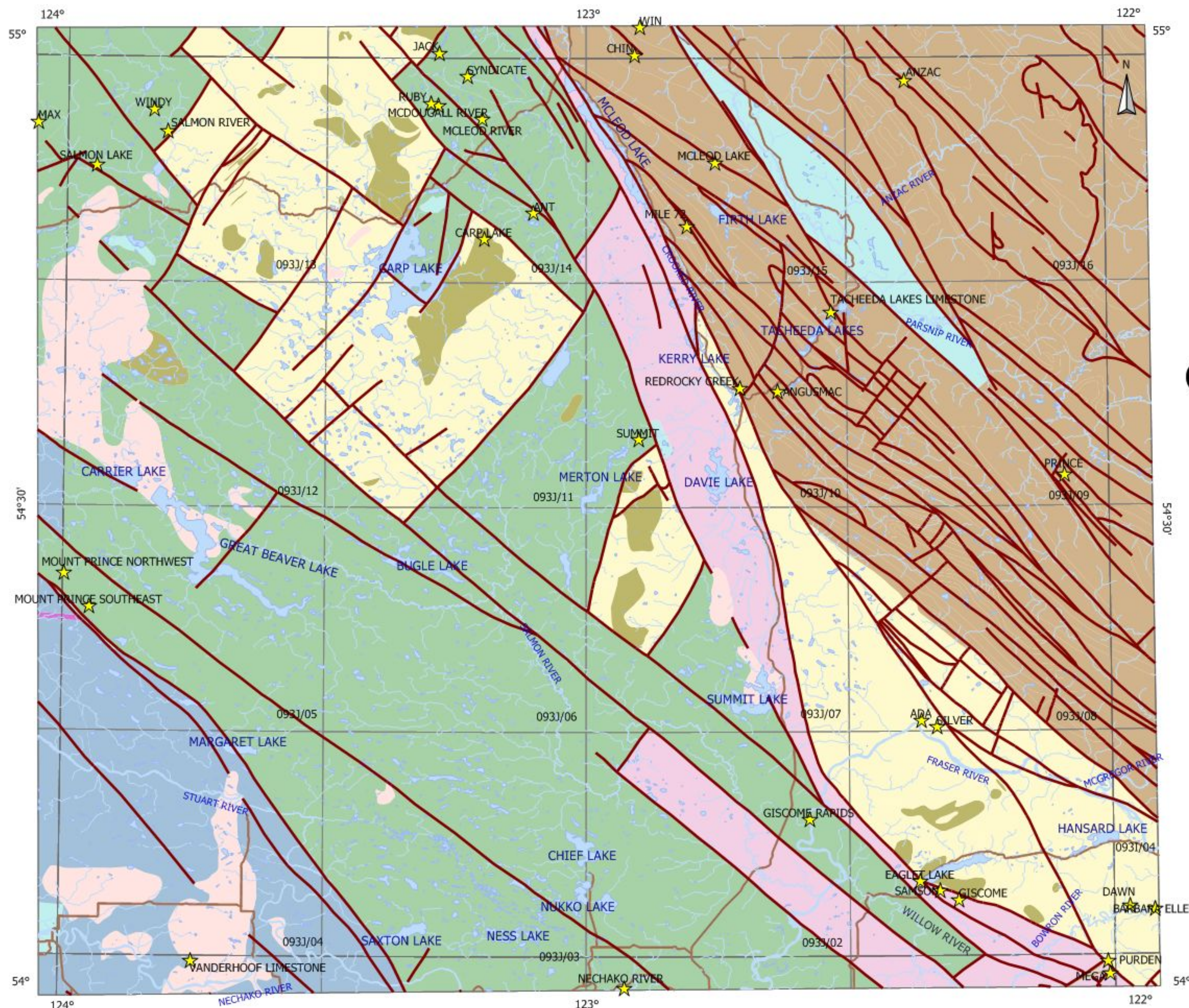
MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J853215	0.1	1	65	66.6
93J853216	0.1	1	64	71.2
93J853217	0.1	1	36	36.2
93J853218	0.1	1	49	51.5
93J853219	0.1	1	75	76.1
93J853220	0.1	1	44	44.3
93J853223	0.1	1	51	55.7
93J853224	0.1	1	28	28.7
93J853225	0.1	1	64	68.5
93J853226	0.1	1	68	77.7
93J853227	0.1	1	72	87.7
93J853228	0.1	1	70	78.8
93J853229	0.1	1	55	59.6
93J853230	0.1	1	95	104.6
93J853231	0.1	1	58	64.5
93J853232	0.1	1	43	47.5
93J853233	0.1	1	91	93.2
93J853234	0.1	1	20	22.4
93J853235	0.1	1	86	92.8
93J853236	0.1	1	60	64.5
93J853237	0.1	1	32	34.1
93J853238	0.1	1	66	72.6
93J853239	0.1	1	72	74.1
93J853240	0.1	1	69	74.0
93J853242	0.1	1	79	88.9
93J853243	0.1	1	54	60.0
93J853244	0.1	1	55	57.5
93J853245	0.1	1	37	39.1
93J853246	0.1	1	48	47.0
93J853247	0.1	1	56	53.1
93J853248	0.1	1	53	61.0
93J853249	0.1	1	53	57.4
93J853250	0.1	1	80	87.5
93J853251	0.1	1	52	57.7
93J853252	0.1	1	87	92.3
93J853253	0.1	1	55	56.8
93J853254	0.1	1	62	66.0
93J853255	0.1	1	55	58.5
93J853256	0.1	1	52	58.2
93J853257	0.1	1	71	77.1
93J853258	0.1	1	72	69.9
93J853260	0.1	1	62	61.1
93J853262	0.1	1	82	78.1
93J853263	0.1	1	63	64.6
93J853264	0.1	1	70	73.8
93J853265	0.1	1	39	43.4
93J853266	0.1	1	110	111.1
93J853267	0.1	1	27	25.4
93J853269	0.1	1	41	40.4
93J853270	0.1	1	64	63.8
93J853271	0.1	1	75	72.8
93J853272	0.1	1	43	41.8

Appendix A - Sample Information and Analytical Data

MASTER_ID	W_ppm_MS	W_ppm_COL	Zn_ppm_AA	Zn_ppm_MS
93J853273	0.1	1	38	35.6
93J853274	0.1	1	88	82.6
93J853275	0.1	1	66	63.5
93J853276	0.1	1	13	10.7
93J853277	0.1	1	47	46.1
93J853278	0.1	1	68	69.0
93J853279	0.1	1	39	41.5
93J853280	0.1	1	48	54.0

GEOFILE 2006-9 APPENDIX B - MAPS

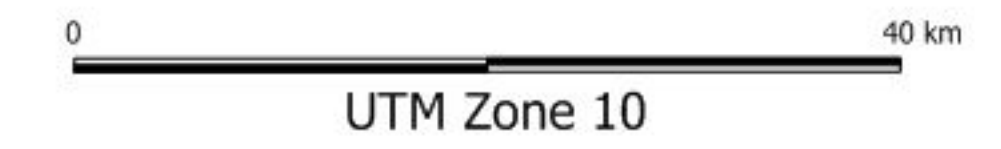
Map 1	Geology and Minfile locations
Map 2	Sample locations
Map 3	Silver
Map 4	Aluminum
Map 5	Arsenic
Map 6	Gold
Map 7	Multi-element Signatures
Map 8	Barium
Map 9	Bismuth
Map 10	Calcium
Map 11	Cadmium
Map 12	Cobalt
Map 13	Chromium
Map 14	Copper
Map 15	Iron
Map 16	Gallium
Map 17	Mercury
Map 18	Potassium
Map 19	Lanthanum
Map 20	Magnesium
Map 21	Manganese
Map 22	LOI
Map 23	Molybdenum
Map 24	Sodium
Map 25	Nickel
Map 26	Lead
Map 27	Sulphur
Map 28	Antimony
Map 29	Scandium
Map 30	Selenium
Map 31	Strontium
Map 32	Tellurium
Map 33	Thorium
Map 34	Thallium
Map 35	Uranium
Map 36	Vanadium
Map 37	Tungsten
Map 38	Zinc



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J



Geology & Minfile Mineral Occurrences

- ★ Mineral Occurrence
- Lakes
- Parks
- Drainage
- Main Roads
- Fault Lines

- Geology by Terrane
- Cache Creek
 - Cariboo/Cassiar
 - North America
 - Overlap
 - Post Accretionary
 - Quesnel
 - Slide Mountain
 - Stikine
 - Younger Volcanics

1088 Sample Sites

GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km

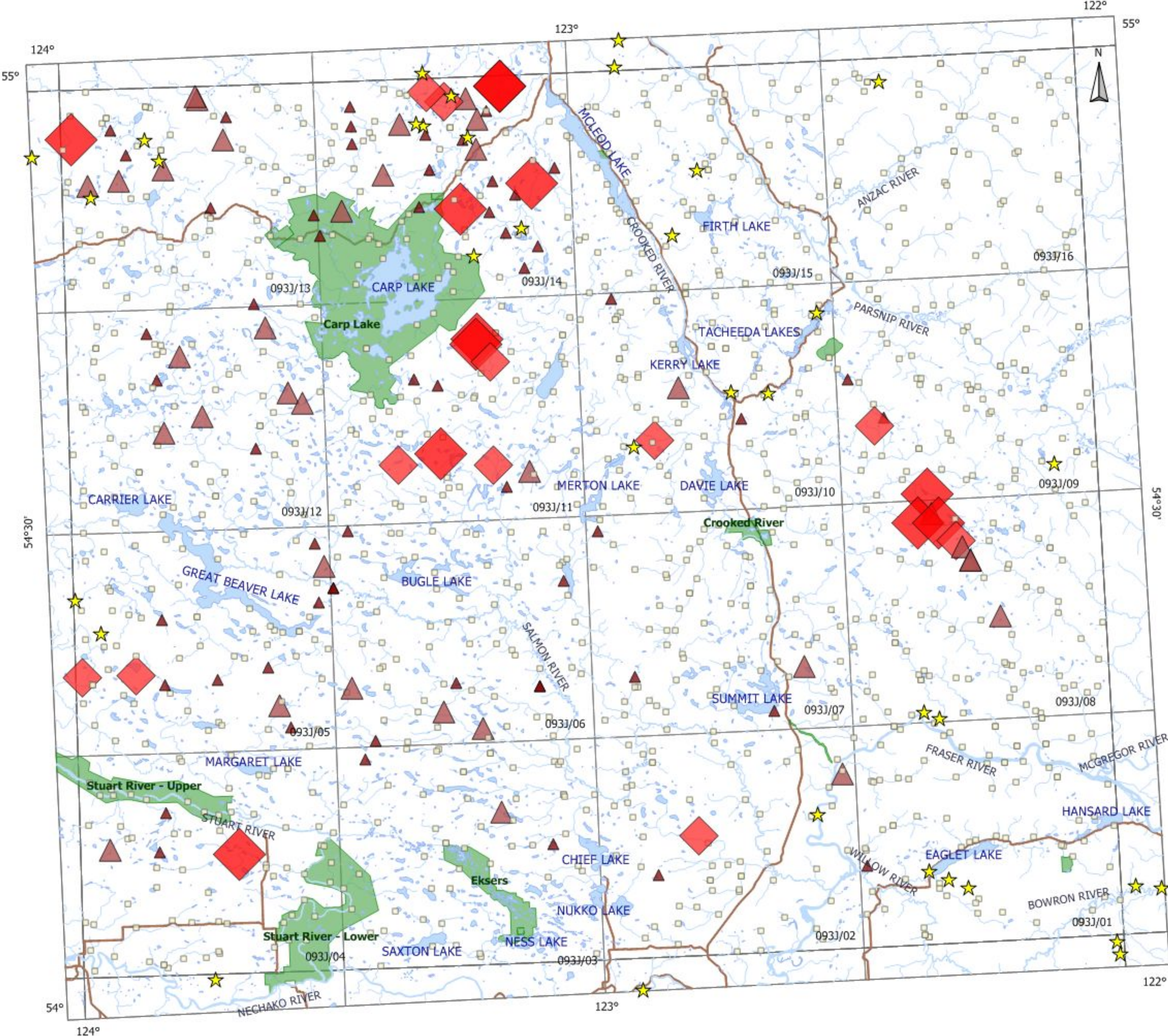
UTM Zone 10

Stream Sediment Sample Sites

- Sample Site
- Lakes
- Parks
- Main Roads
- Drainage
- MasterID

All sample numbers are prefixed by 93J85

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Ag by ICPMS

Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Silver Concentration, 1149 Values

(ppb)	Percentile
>847	>99
707 - 847	98 to 99
502 - 707	95 to 98
359 - 502	90 to 95
<359	<90

1088 Sample Sites

GEOFILE 2006-09
McLEOD LAKE
 BRITISH COLUMBIA
NTS 93J

0 40 km
 UTM Zone 10

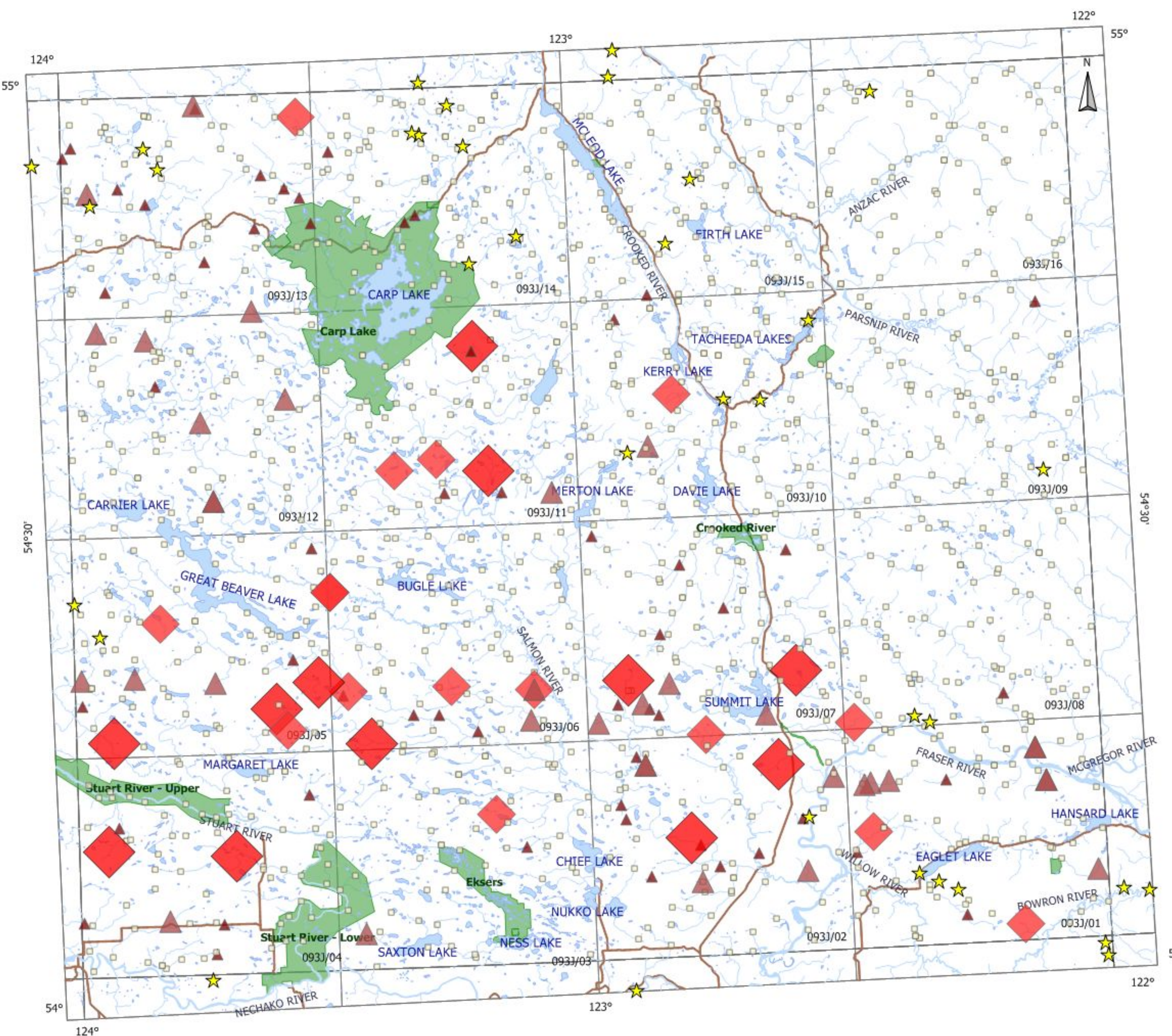
Al by ICPMS
 Stream Sediment

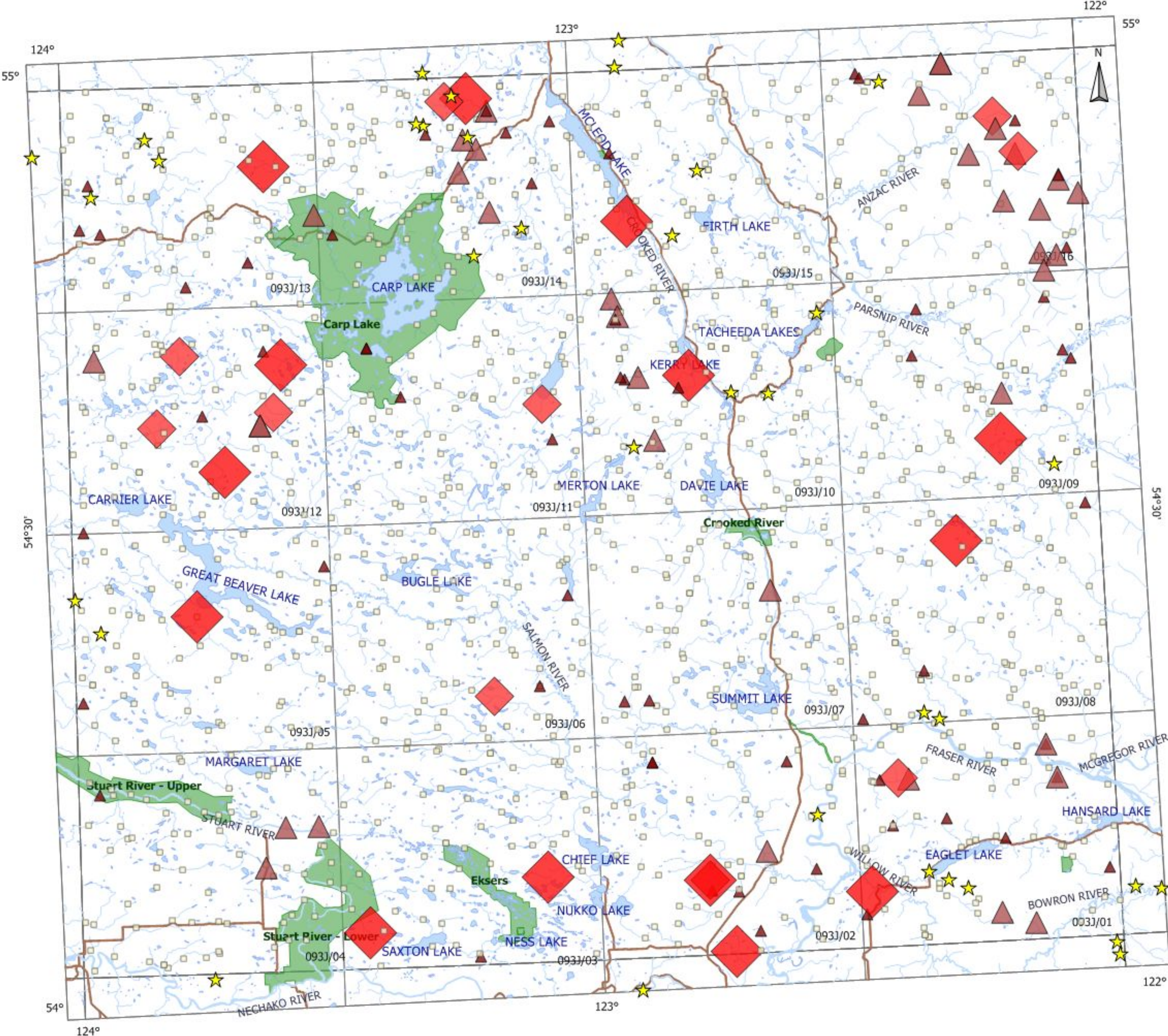
- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

**Sample Sites with Highest
 Aluminum Concentration, 1149 Values**

(%)	Percentile
>2.87	◆ >99
2.58 - 2.87	◆ 98 to 99
2.26 - 2.58	▲ 95 to 98
1.85 - 2.26	▲ 90 to 95
<2.26	□ <90

1088 Sample Sites





GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

As by ICPMS

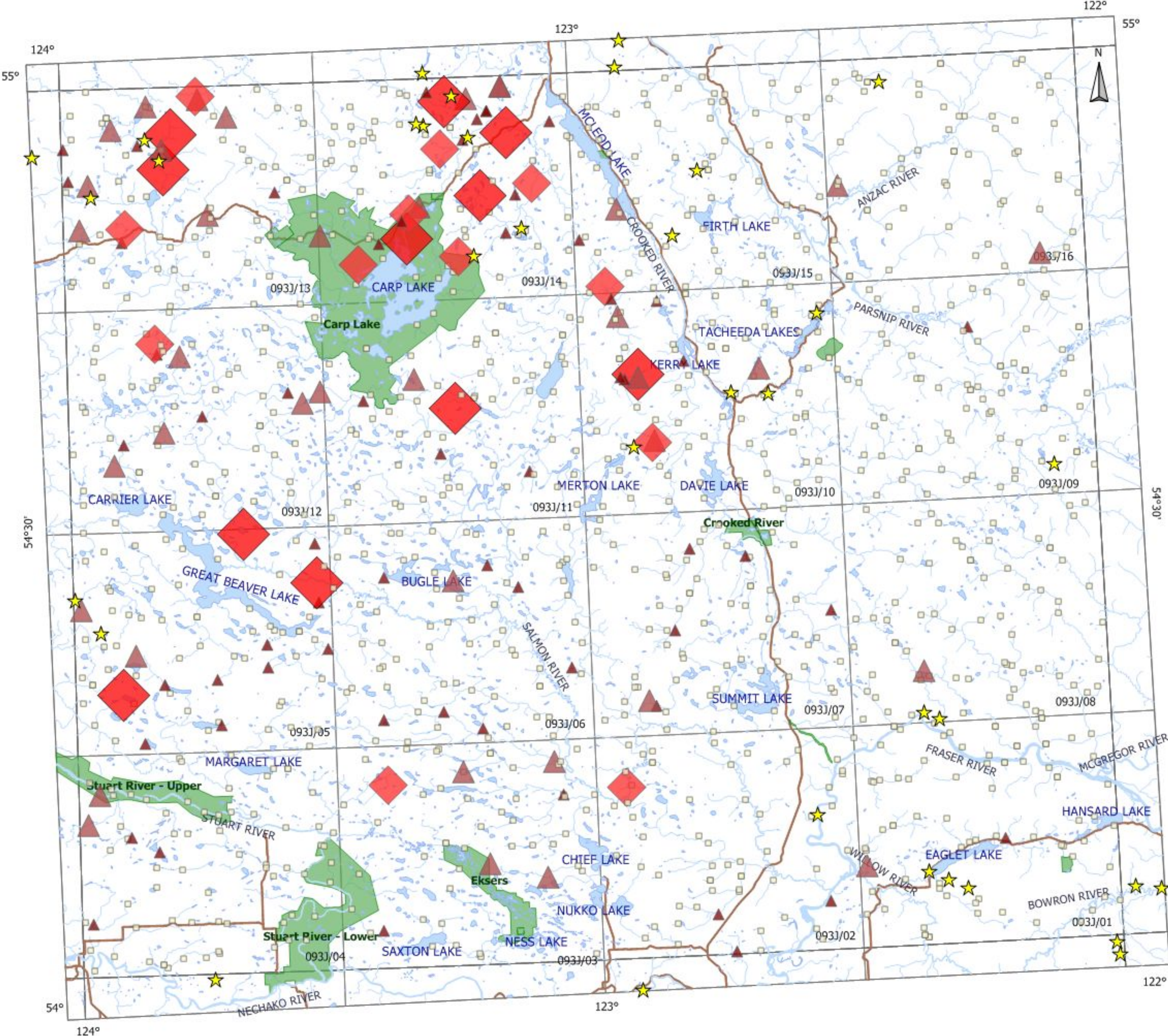
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

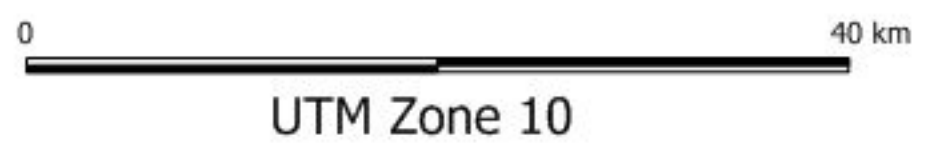
Sample Sites with Highest
Arsenic Concentration, 1149 Values

(ppm)	Percentile
>20.1	>99
15.6 - 20.1	98 to 99
10.9 - 15.6	95 to 98
8.4 - 10.9	90 to 95
<8.4	<90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J



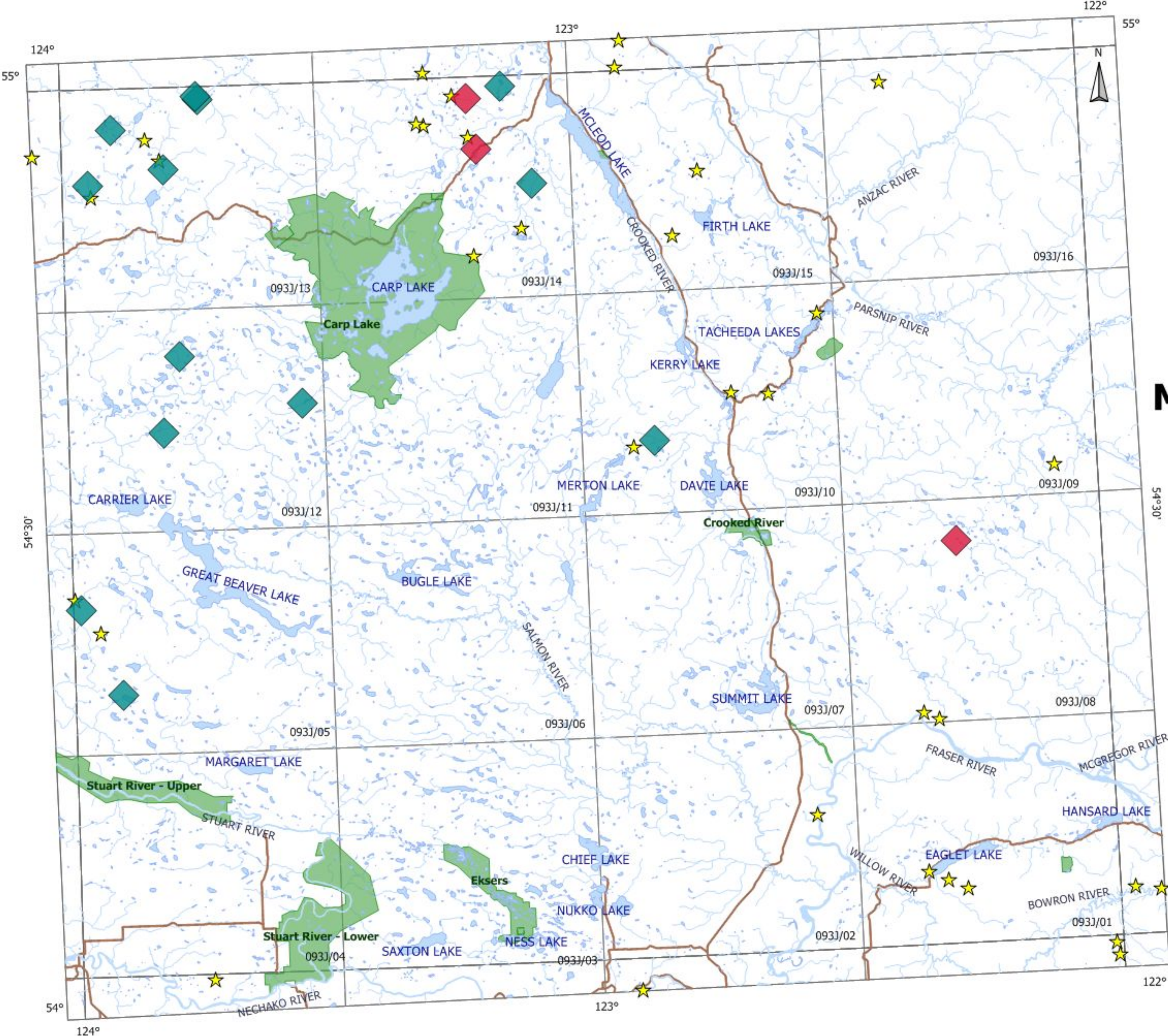
Au by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Gold Concentration, 1149 Values

(ppb)	Percentile
>14.9	◆ >99
6.2 - 14.9	◆ 98 to 99
3.7 - 6.2	▲ 95 to 98
2.7 - 3.7	▲ 90 to 95
<2.7	□ <90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Multi-Element Signatures by ICPMS

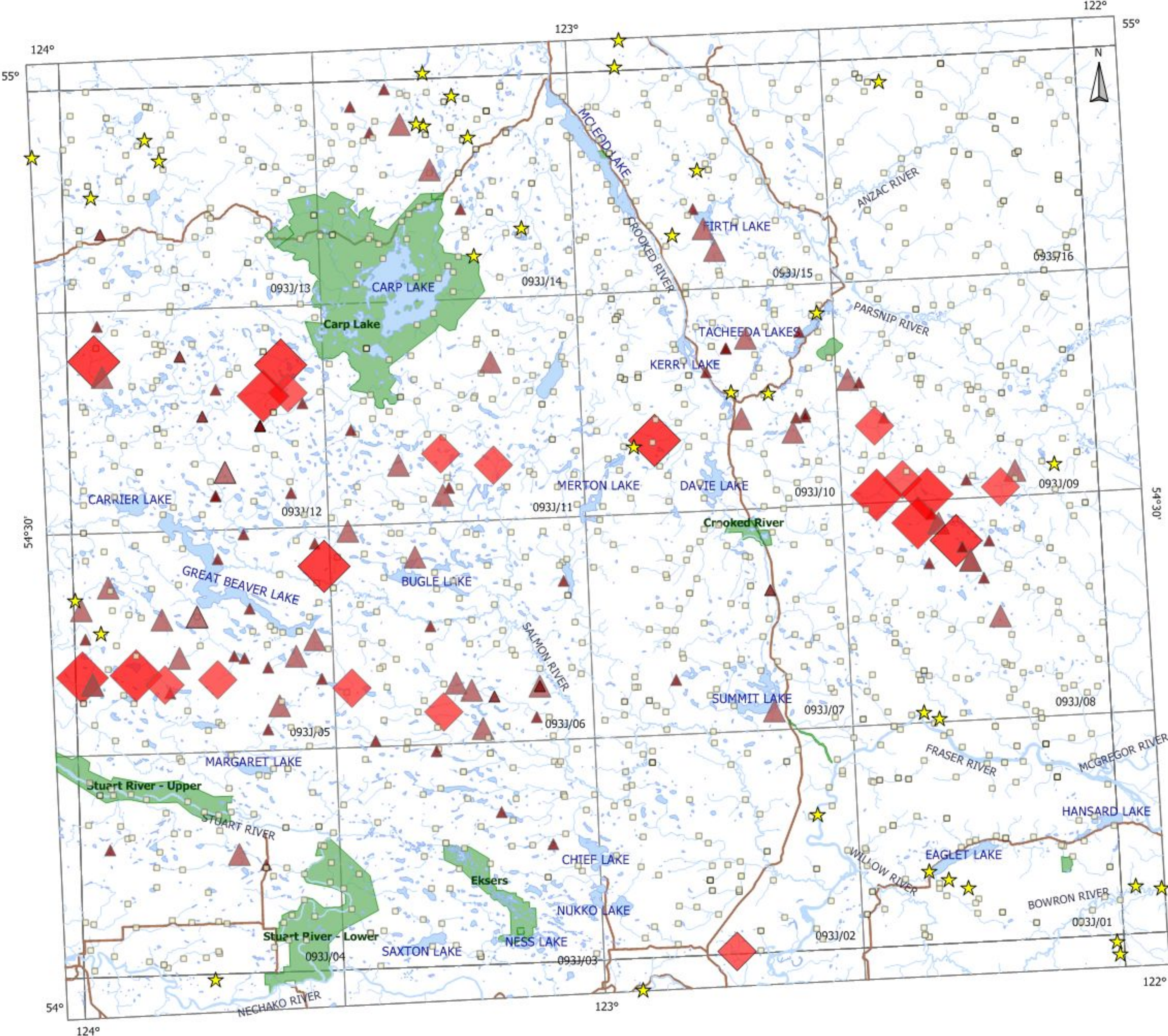
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

**Sample Sites with Highest
Gold, Silver, Copper,
Selenium, and Zinc Concentrations
1149 Values**

Concentration	Percentile
Au > 3.7 ppb Cu > 52.53 ppm	◆ > 95
Ag > 502 ppb Se > 2.4 ppm Zn > 135.7 ppm	◆ > 95

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

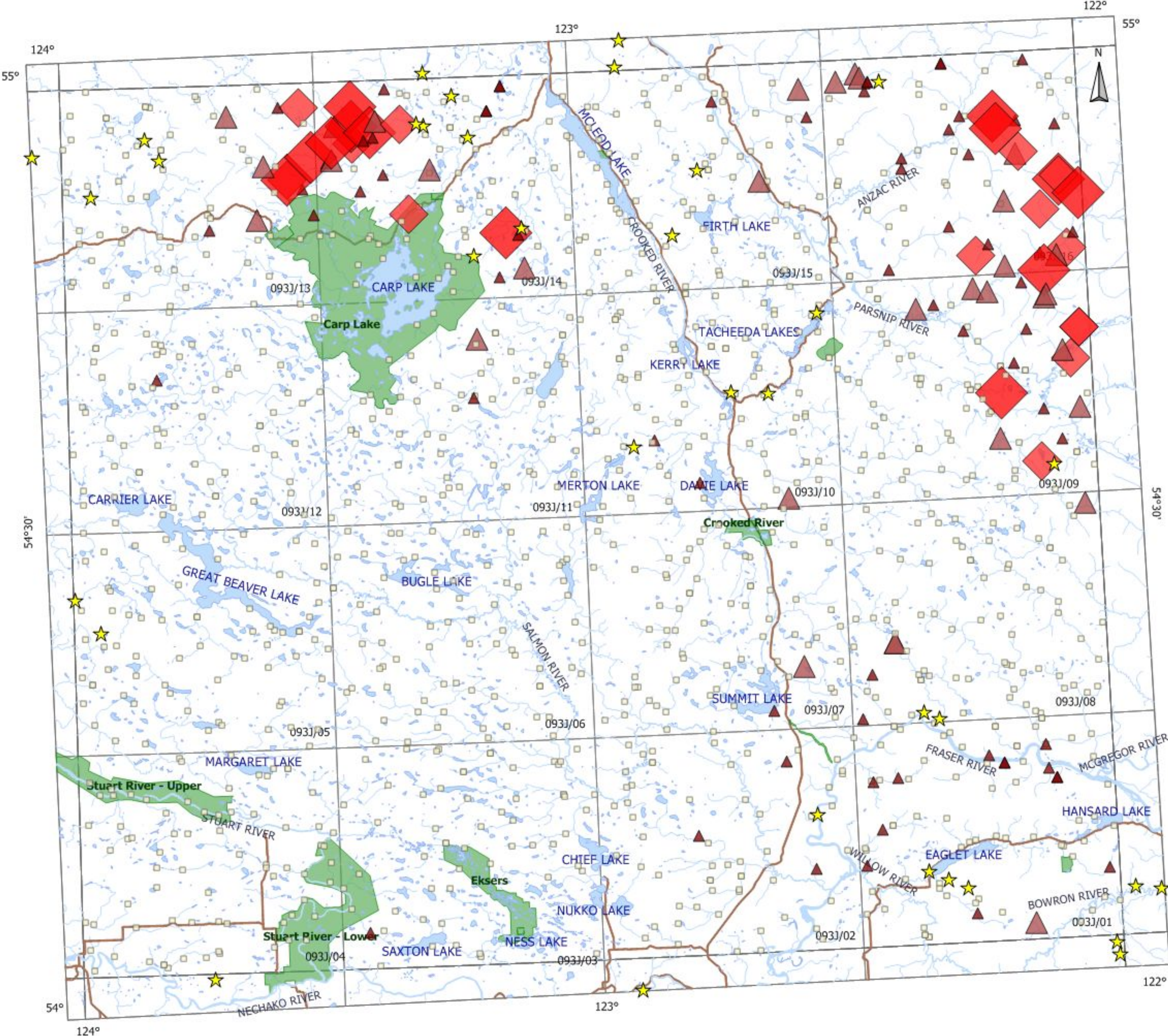
Ba by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Barium Concentration, 1149 Values

(ppm)	Percentile
>670.4	>99
546.9 - 670.4	98 to 99
431.6 - 546.9	95 to 98
364.3 - 431.6	90 to 95
<364.3	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA

NTS 93J

0 40 km

UTM Zone 10

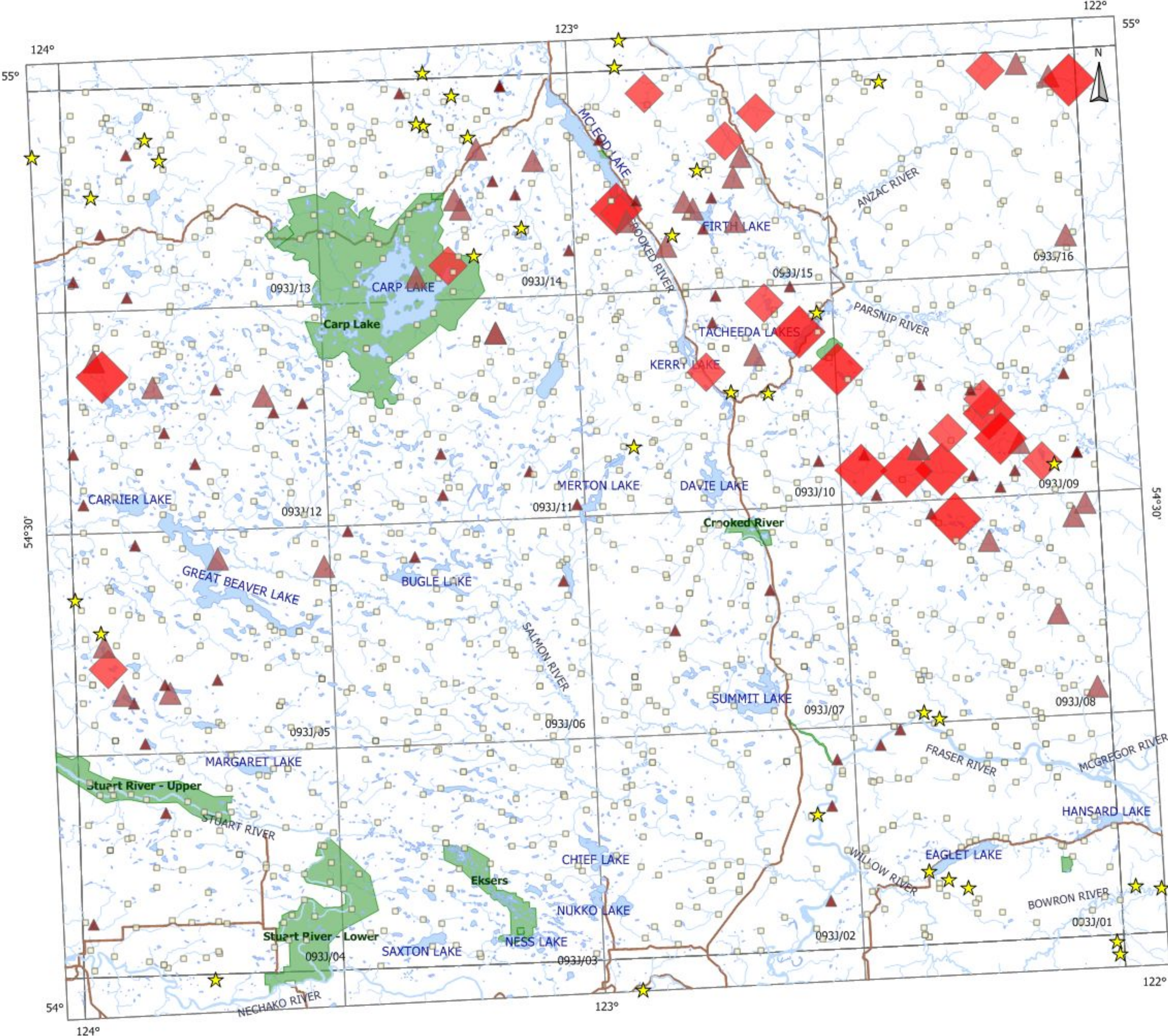
Bi by ICPMS

Stream Sediment

Sample Sites with Highest Bismuth Concentration, 1149 Values

(ppm)	Percentile
>0.39	>99
0.35 - 0.39	98 to 99
0.25 - 0.35	95 to 98
0.20 - 0.25	90 to 95
<0.20	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Ca by ICPMS

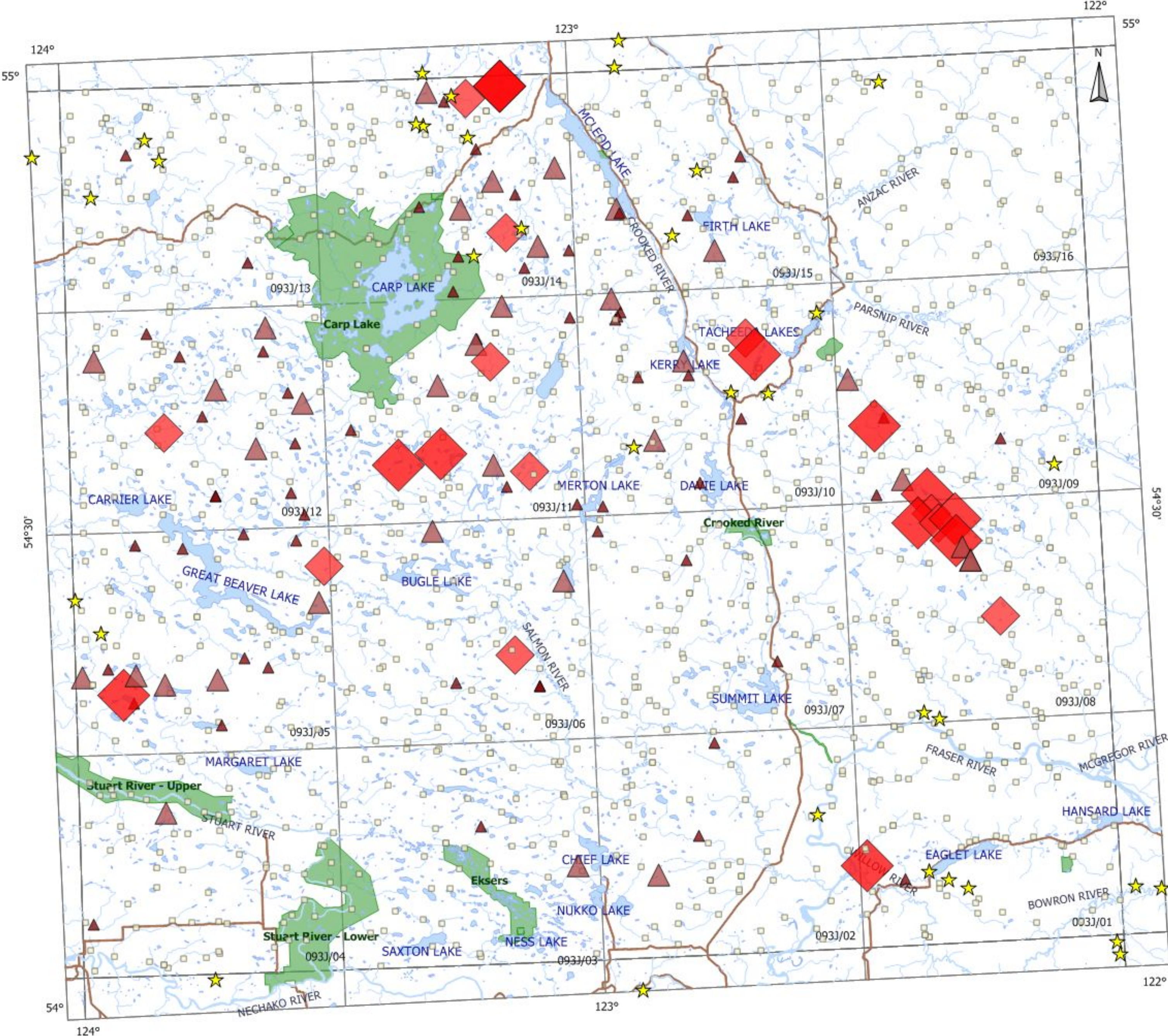
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Calcium Concentration, 1149 Values

(%)	Percentile
>3.52	>99
2.95 - 3.52	98 to 99
2.15 - 2.95	95 to 98
2.15 - 2.95	90 to 95
<2.15	<90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

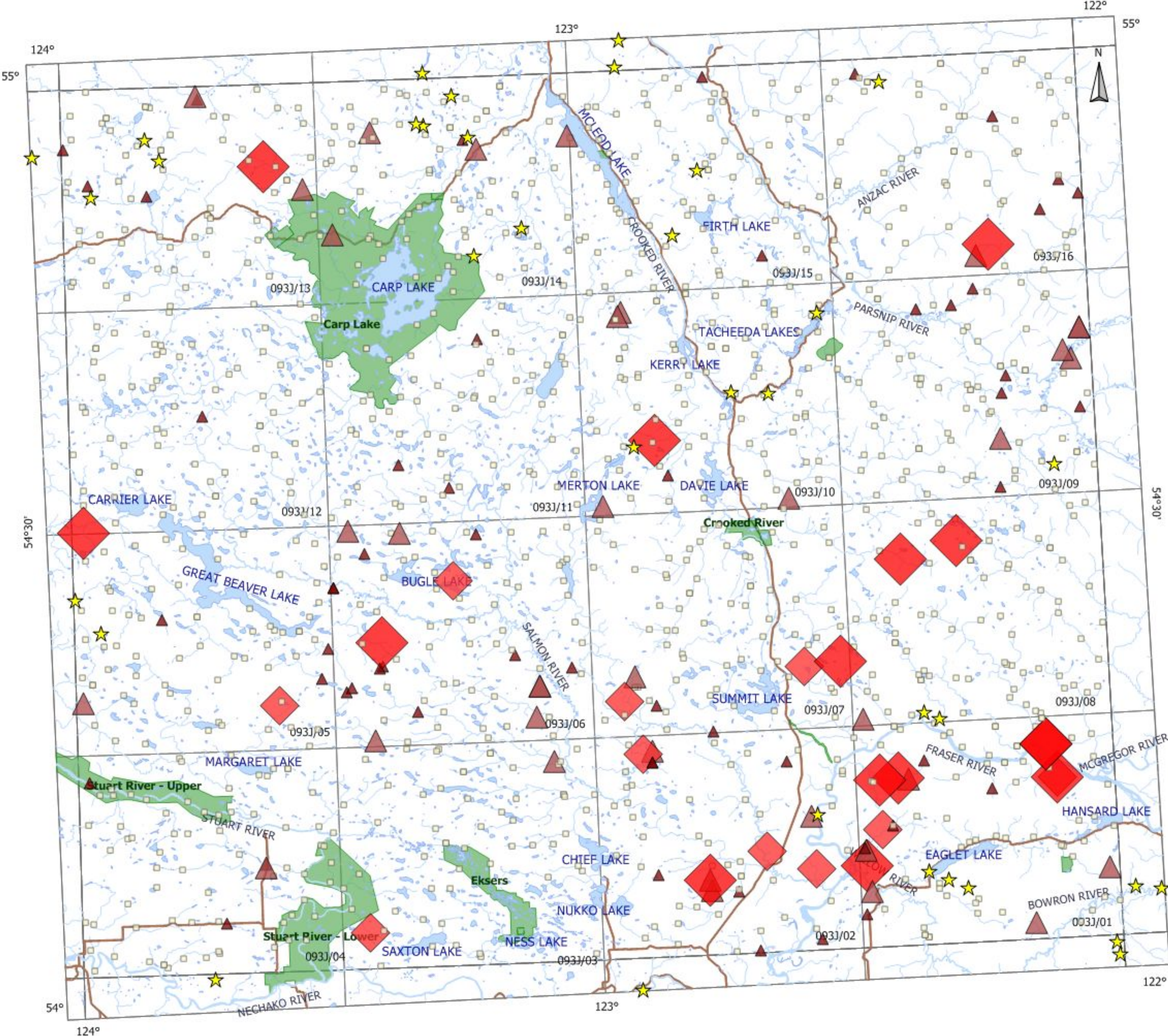
Cd by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Cadmium Concentration, 1149 Values

(ppm)	Percentile
>2.62	◆ >99
2.08 - 2.62	◆ 98 to 99
1.35 - 2.08	▲ 95 to 98
0.93 - 1.35	▲ 90 to 95
<0.93	○ <90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

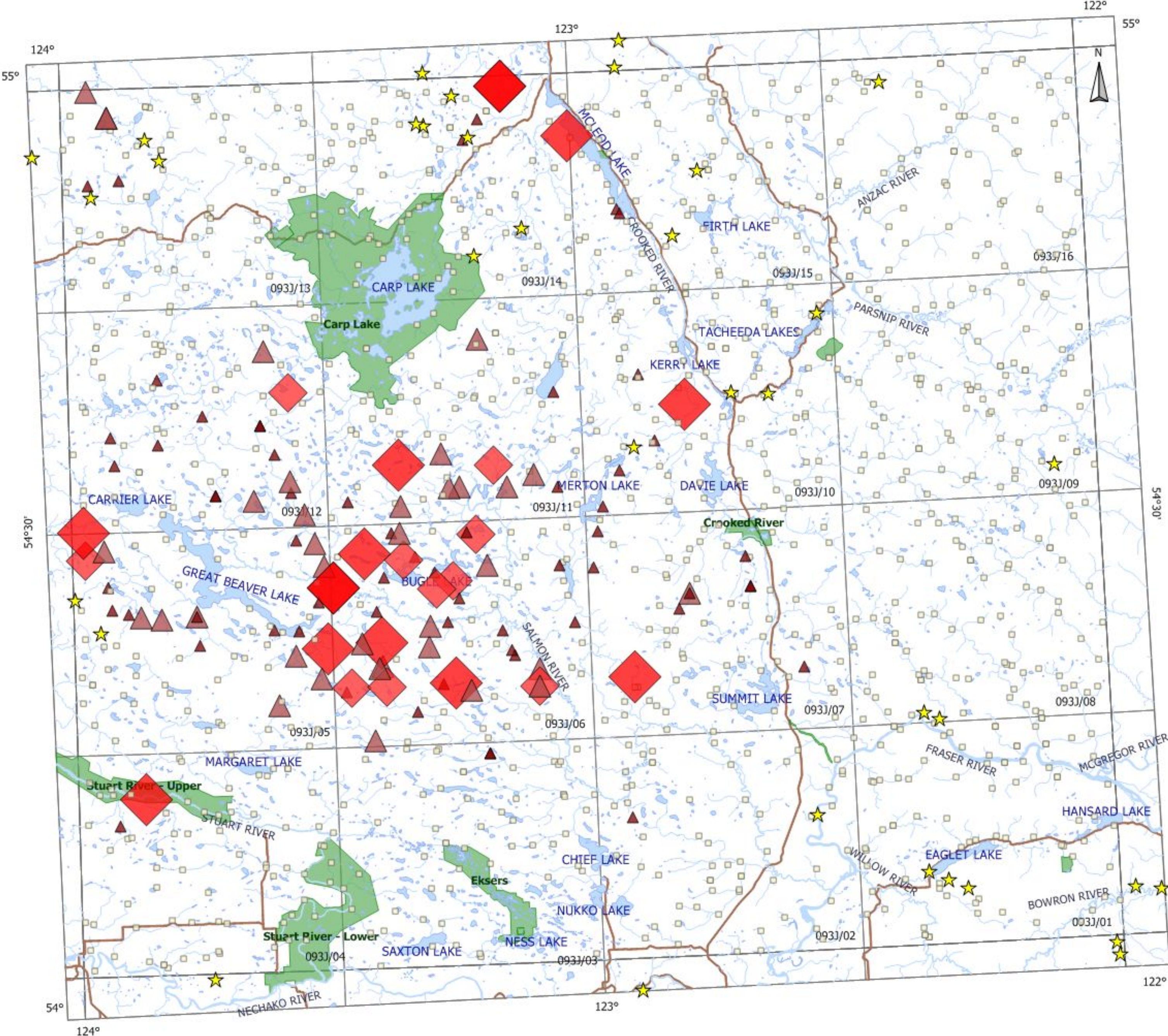
Co by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Cobalt Concentration, 1149 Values

(ppm)	Percentile
>27.3	◆ >99
23.7 - 27.3	◆ 98 to 99
20.5 - 23.7	▲ 95 to 98
17.3 - 20.5	▲ 90 to 95
<17.3	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Cr by ICPMS

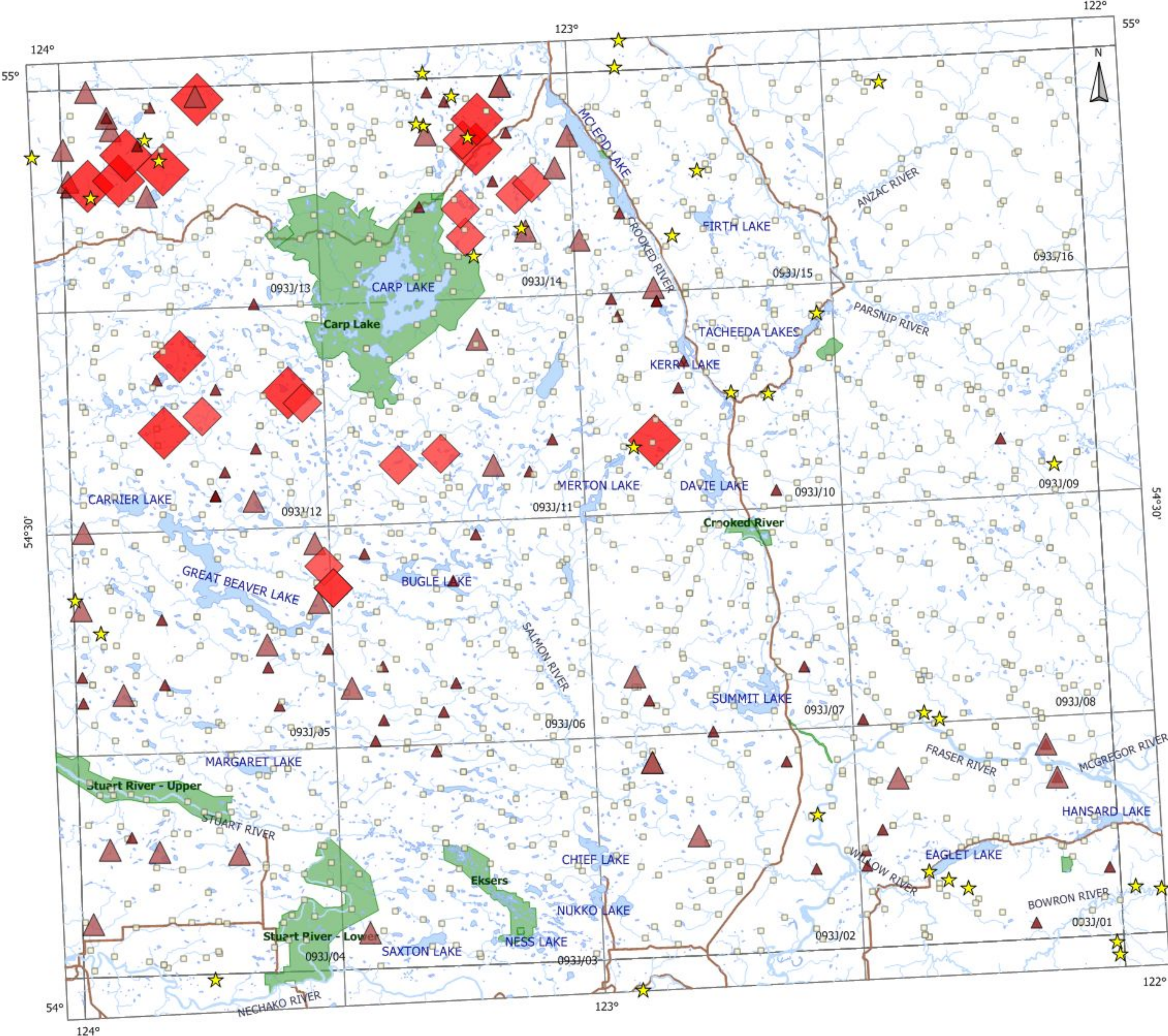
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

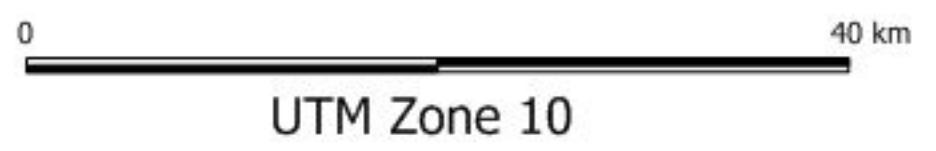
Sample Sites with Highest Chromium Concentration, 1149 Values

(ppm)	Percentile
>112.5	>99
106.7 - 112.5	98 to 99
89.7 - 106.7	95 to 98
74.3 - 89.7	90 to 95
<74.3	<90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J



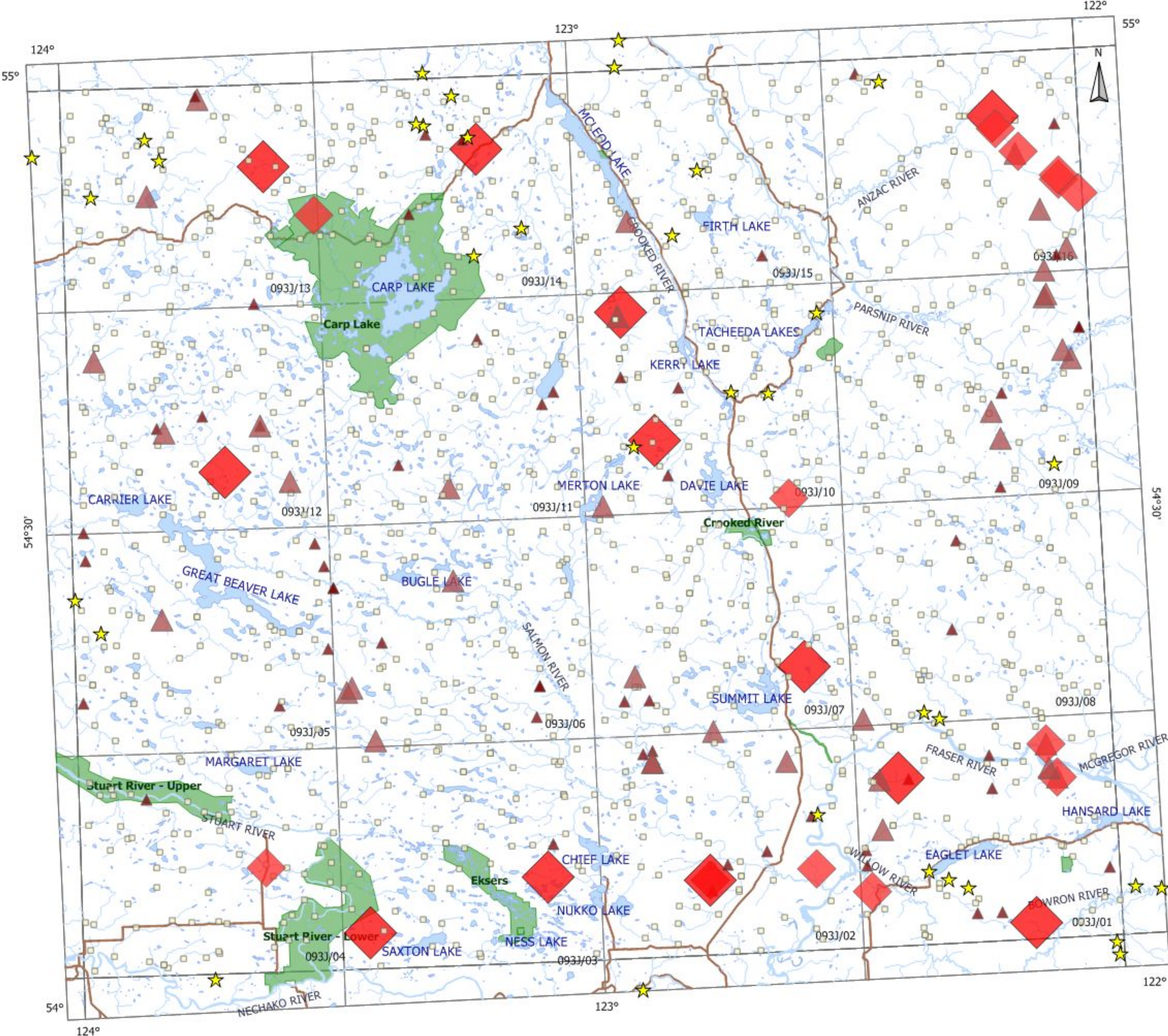
Cu by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Copper Concentration, 1149 Values

(ppm)	Percentile
>76.12	>99
67.86 - 76.12	98 to 99
52.53 - 67.86	95 to 98
42.52 - 52.53	90 to 95
<42.52	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA

NTS 93J

0 40 km

UTM Zone 10

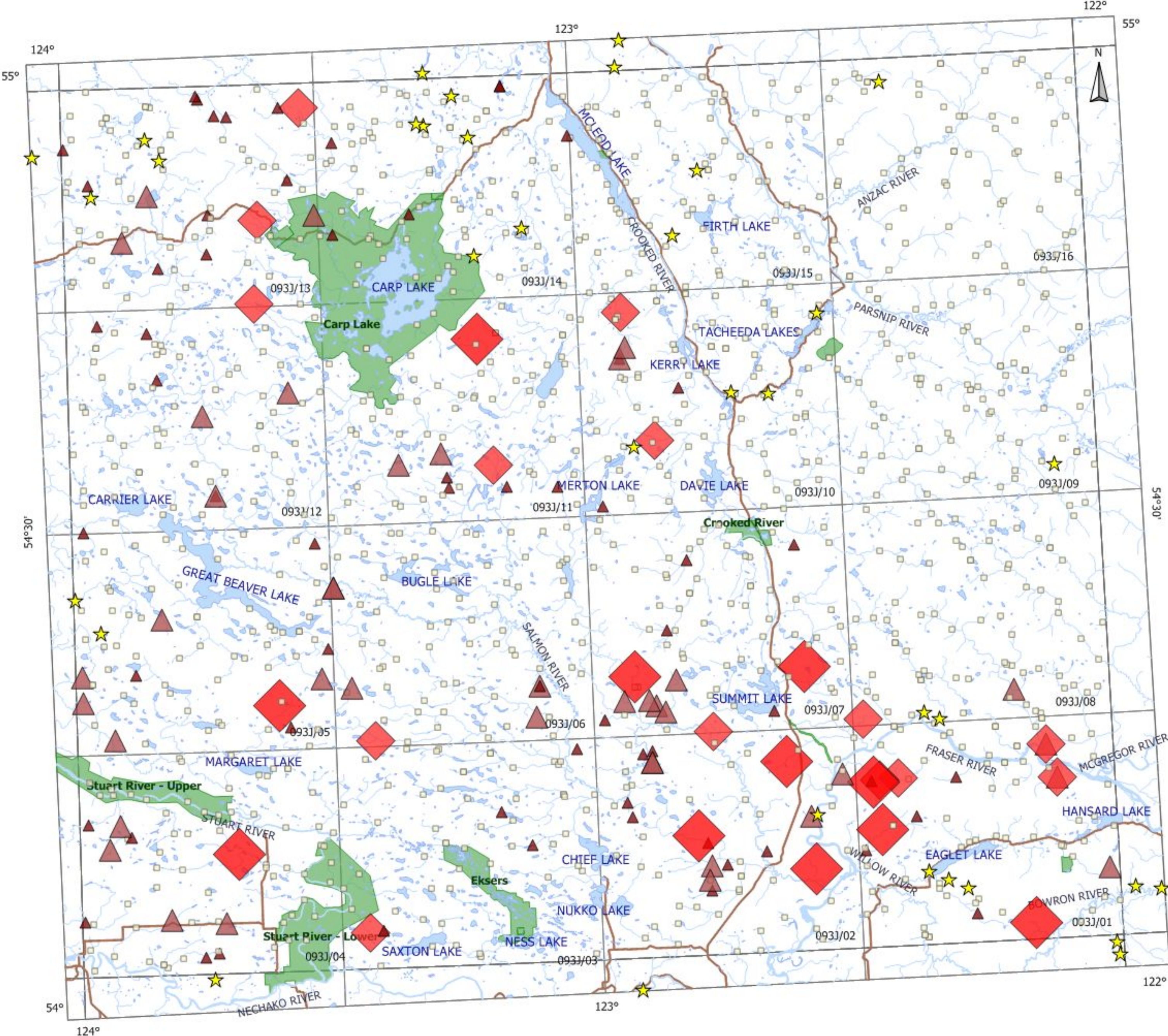
Fe by ICPMS

Stream Sediment

Sample Sites with Highest Iron Concentration, 1149 Values

(%)	Percentile
>4.68	>99
4.37 - 4.68	98 to 99
3.92 - 4.37	95 to 98
3.37 - 3.92	90 to 95
<3.37	<90

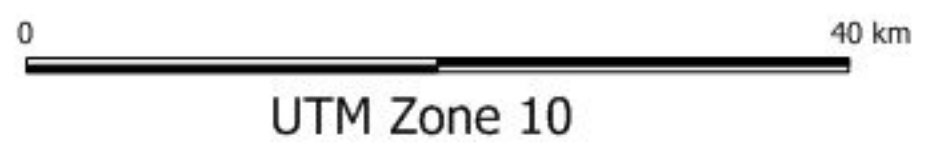
1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J



Ga by ICPMS

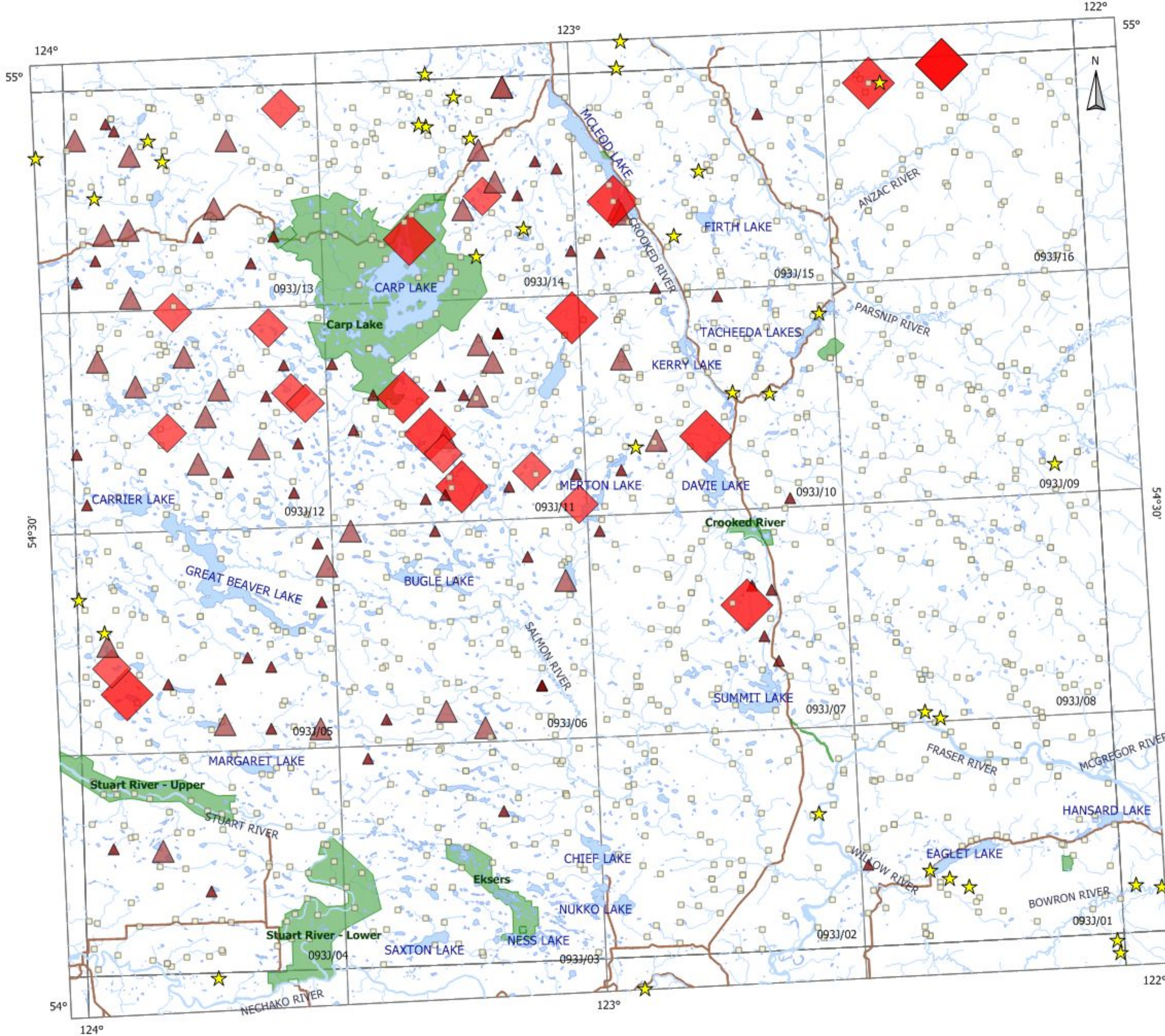
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Gallium Concentration, 1149 Values

(ppm)	Percentile
>7.8	◆ >99
7.2 - 7.8	◆ 98 to 99
6.1 - 7.2	▲ 95 to 98
5.3 - 6.1	▲ 90 to 95
<5.3	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Hg by ICPMS

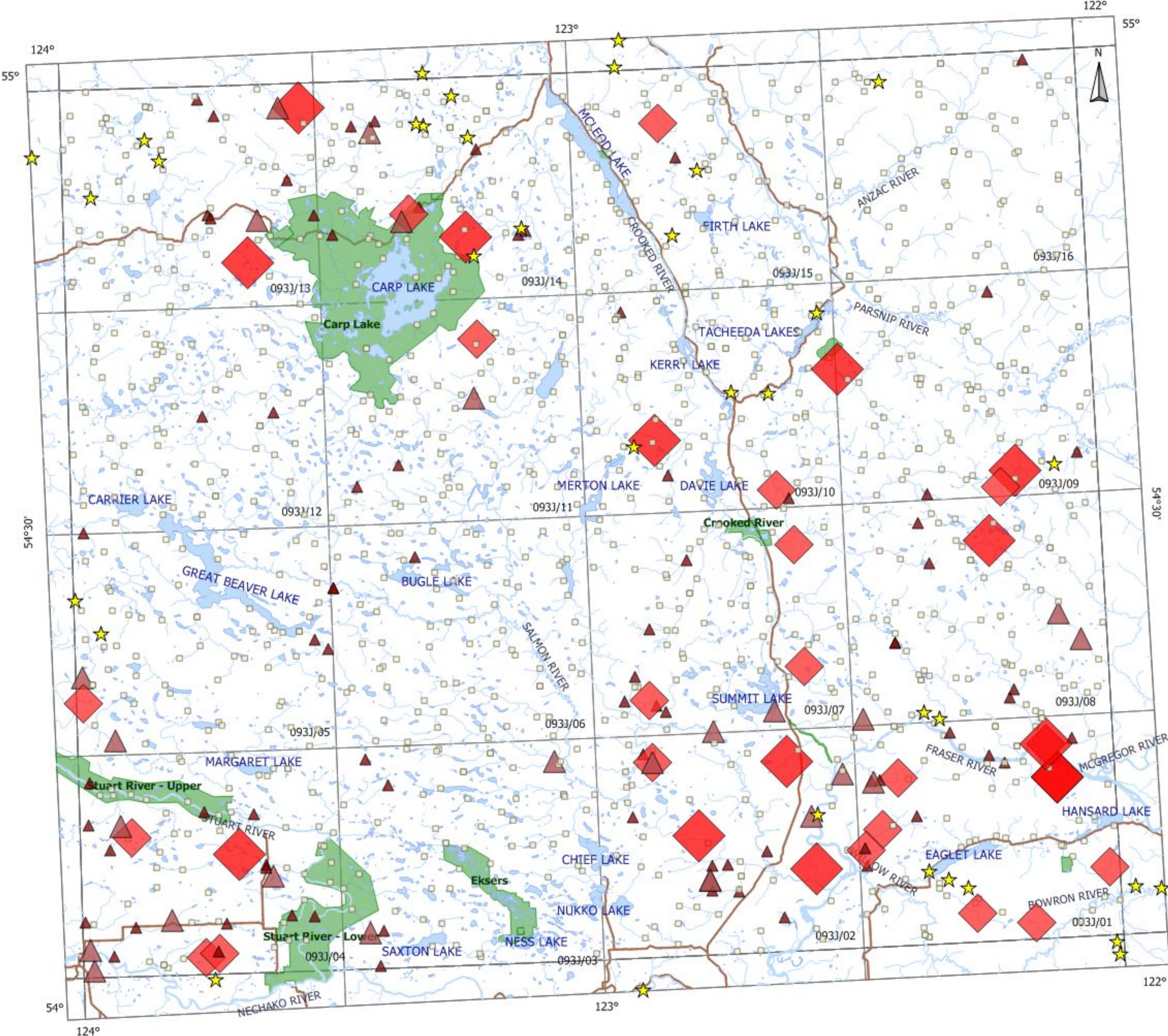
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest
Mercury Concentration, 1149 Values

(ppb)	Percentile
>560.3	>99
407.2 - 560.3	98 to 99
285.2 - 407.2	95 to 98
223.4 - 285.2	90 to 95
<223.4	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

K by ICPMS

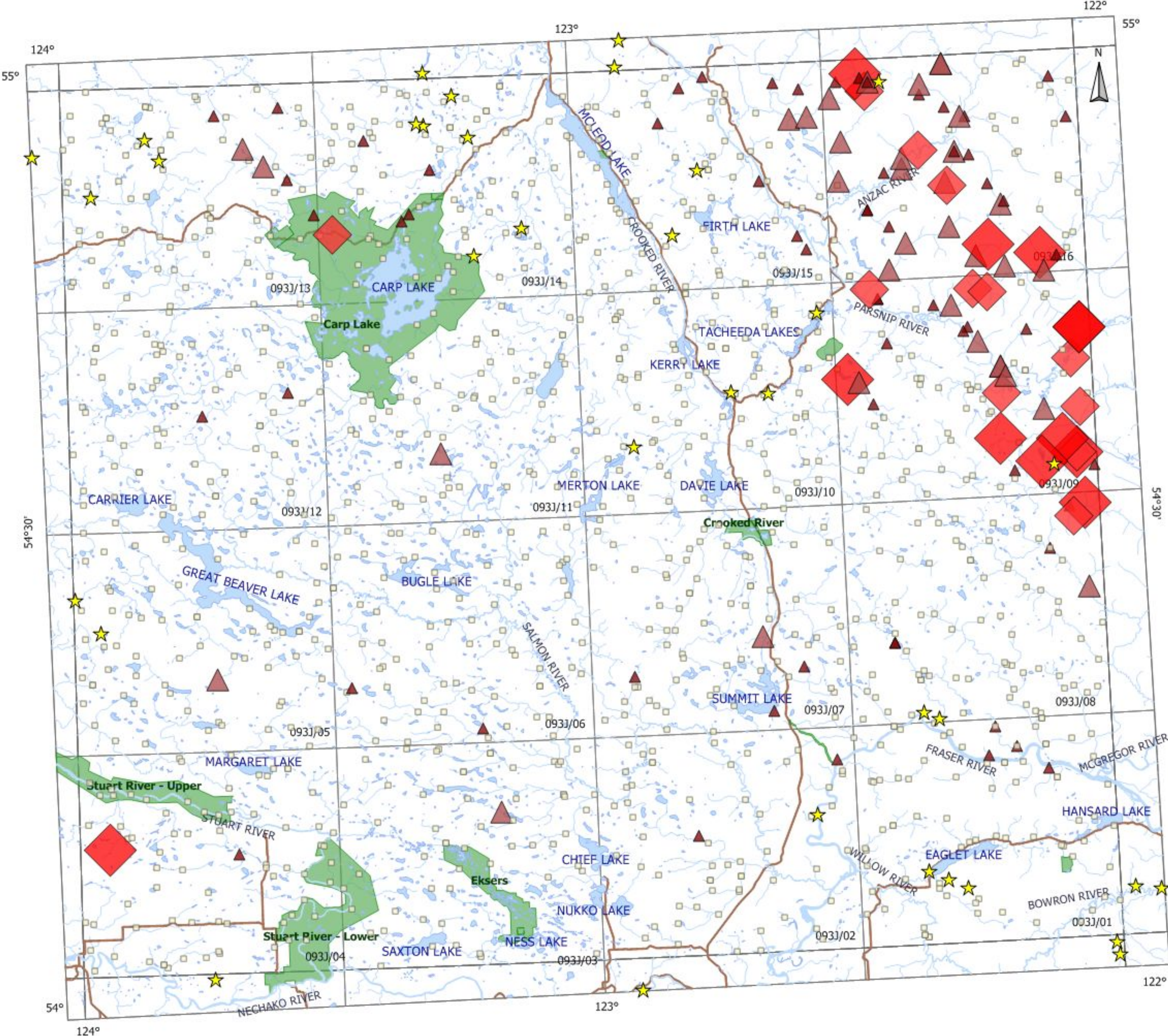
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Potassium Concentration, 1149 Values

(%)	Percentile
>0.18	>99
0.16 - 0.18	98 to 99
0.14 - 0.16	95 to 98
0.11 - 0.14	90 to 95
<0.11	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

La by ICPMS

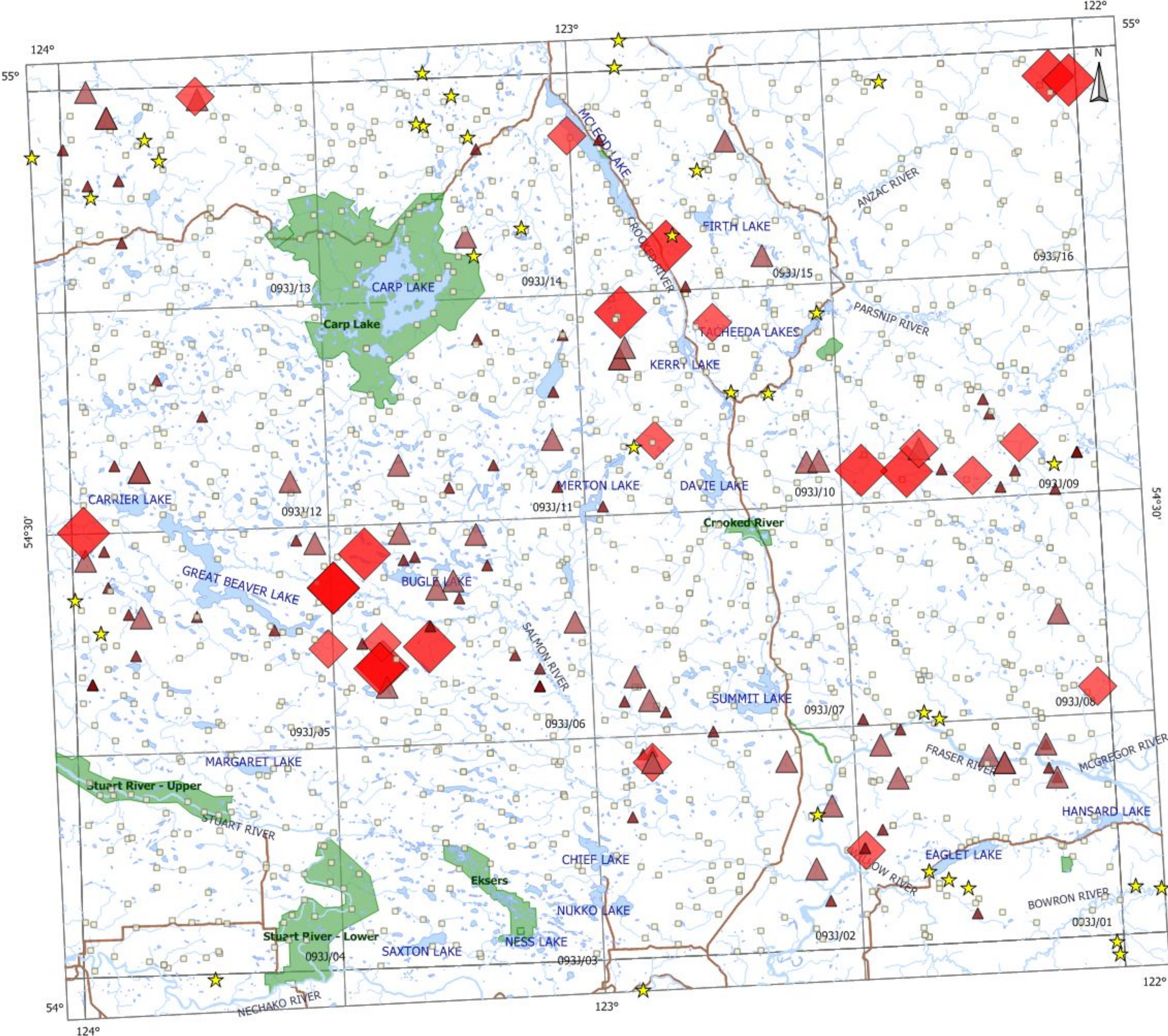
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest
Lanthanum Concentration, 1149 Values

(ppm)	Percentile
>45.2	◆ >99
38.6 - 45.2	◆ 98 to 99
31.6 - 38.6	▲ 95 to 98
25.0 - 31.6	▲ 90 to 95
<25.0	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Mg by ICPMS

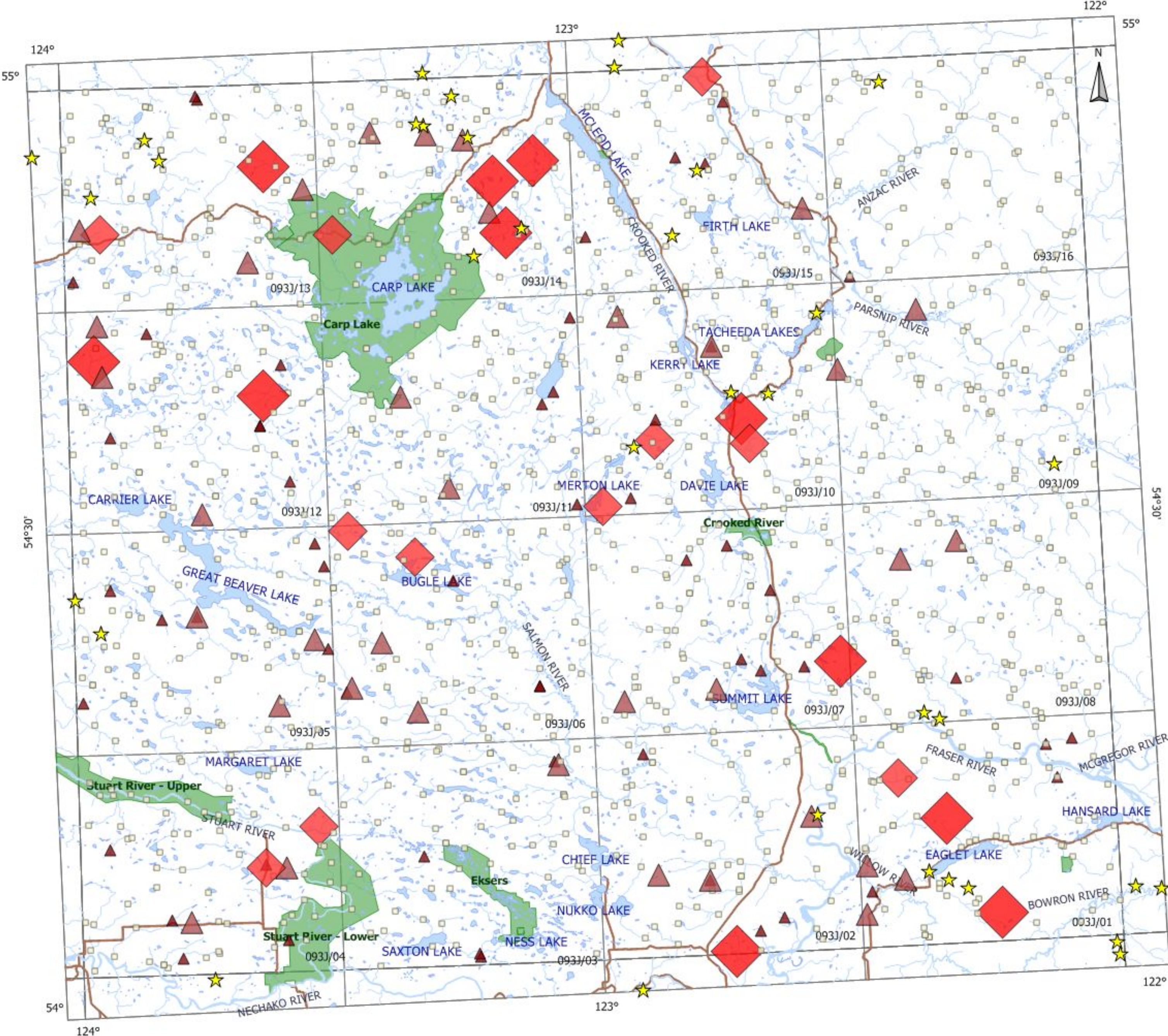
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest
Magnesium Concentration, 1149 Values

(%)	Percentile
>1.28	◆ >99
1.14 - 1.28	◆ 98 to 99
0.96 - 1.14	▲ 95 to 98
0.83 - 0.96	▲ 90 to 95
<0.83	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Mn by ICPMS

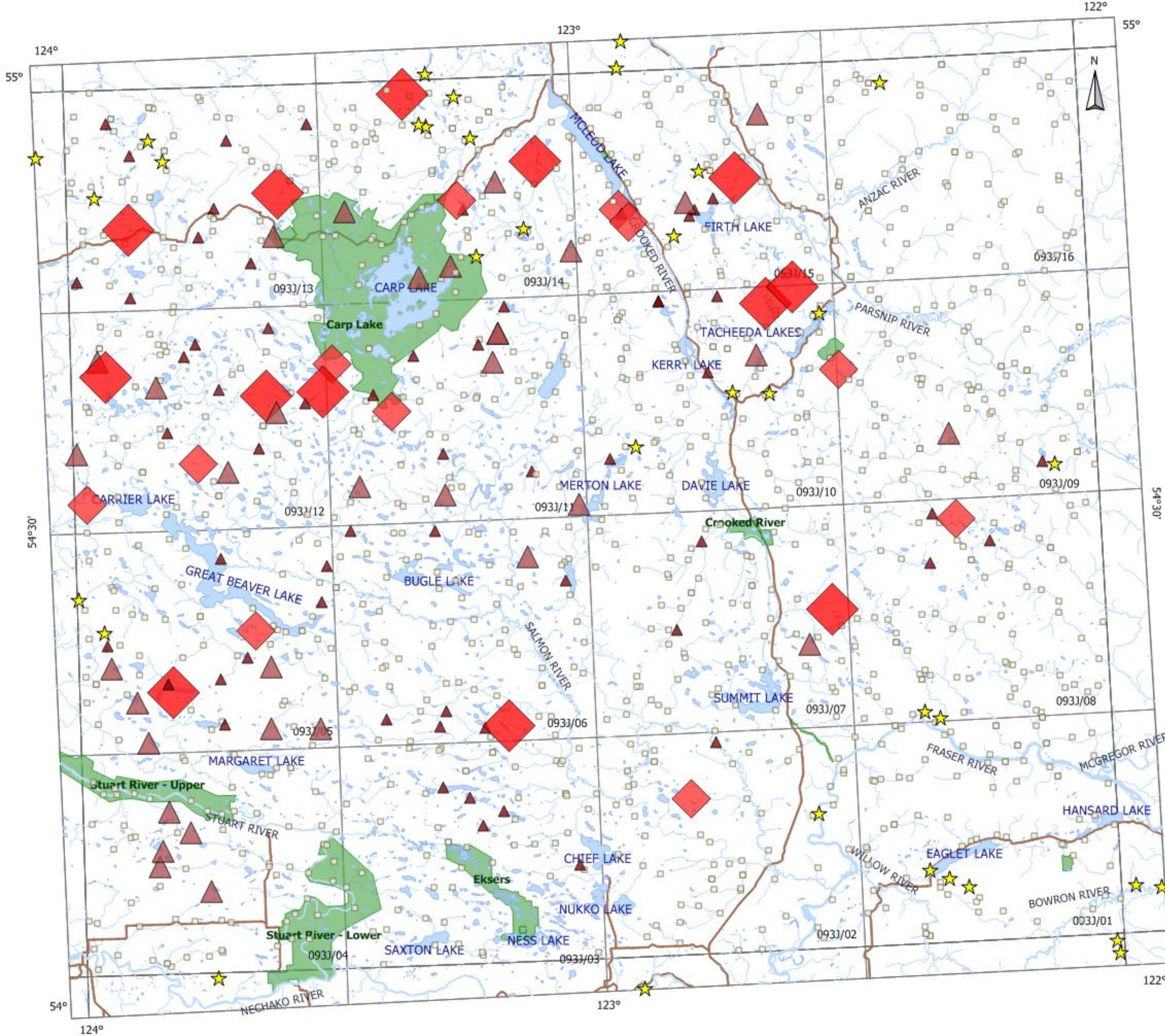
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Manganese Concentration, 1149 Values

(ppm)	Percentile
>4014	>99
3273 - 4014	98 to 99
1885 - 3273	95 to 98
1423 - 1885	90 to 95
<1423	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

LOI

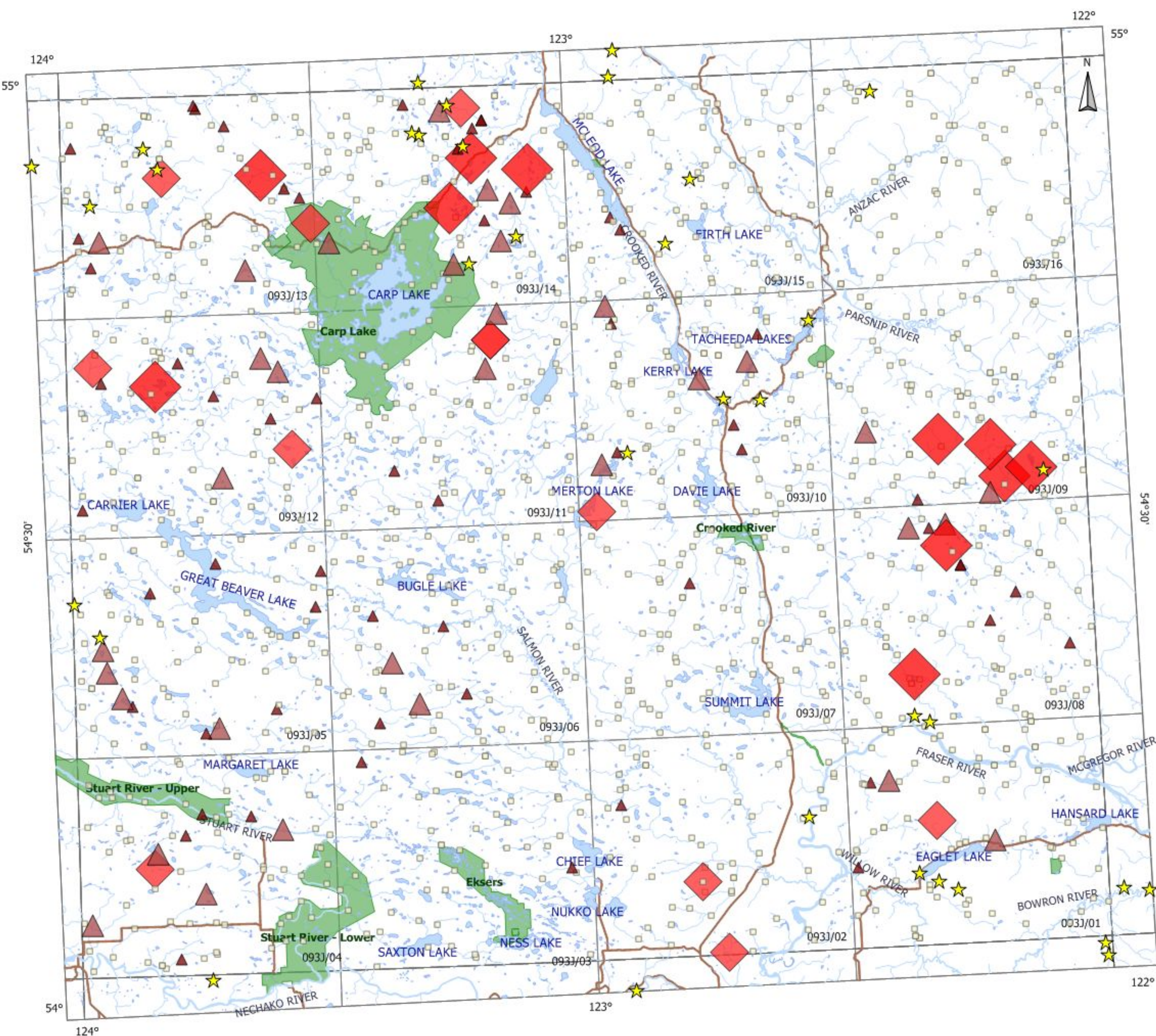
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest LOI Concentration, 1149 Values

Concentration (%)	Percentile
>86.6	>99
84.2 - 86.6	98 to 99
73.2 - 84.2	95 to 98
56.2 - 73.2	90 to 95
<56.2	<90

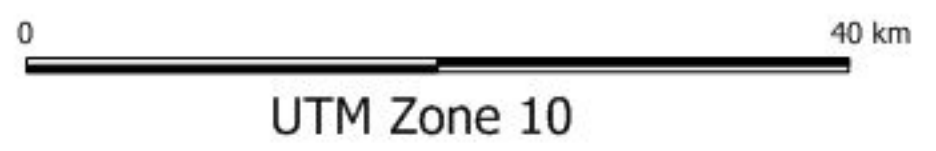
1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J



Mo by ICPMS

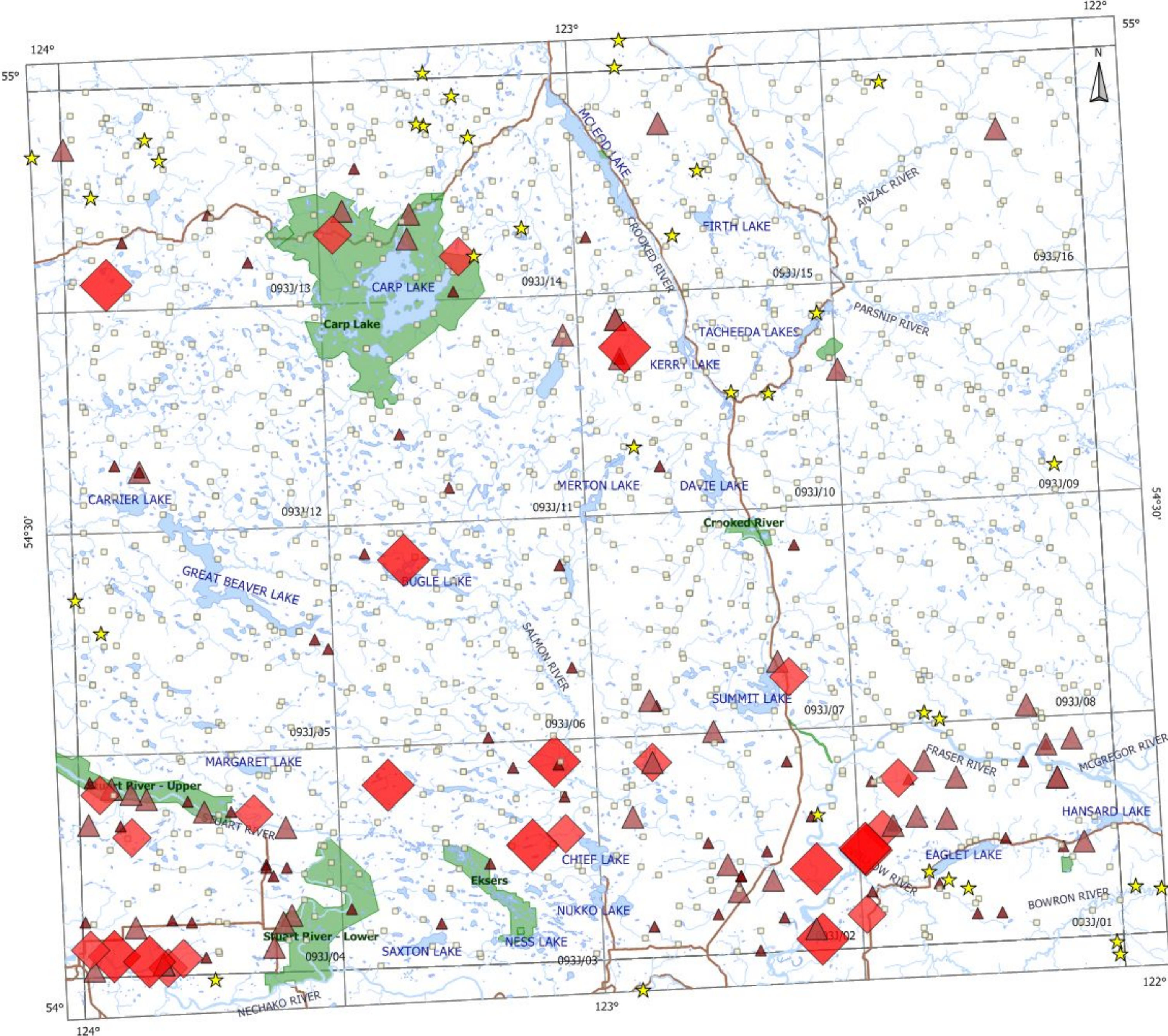
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Molybdenum Concentration, 1149 Values

(ppm)	Percentile
>6.15	◆ >99
4.70 - 6.15	◆ 98 to 99
2.89 - 4.70	▲ 95 to 98
1.86 - 2.89	▲ 90 to 95
<1.86	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA

NTS 93J

0 40 km

UTM Zone 10

Na by ICPMS

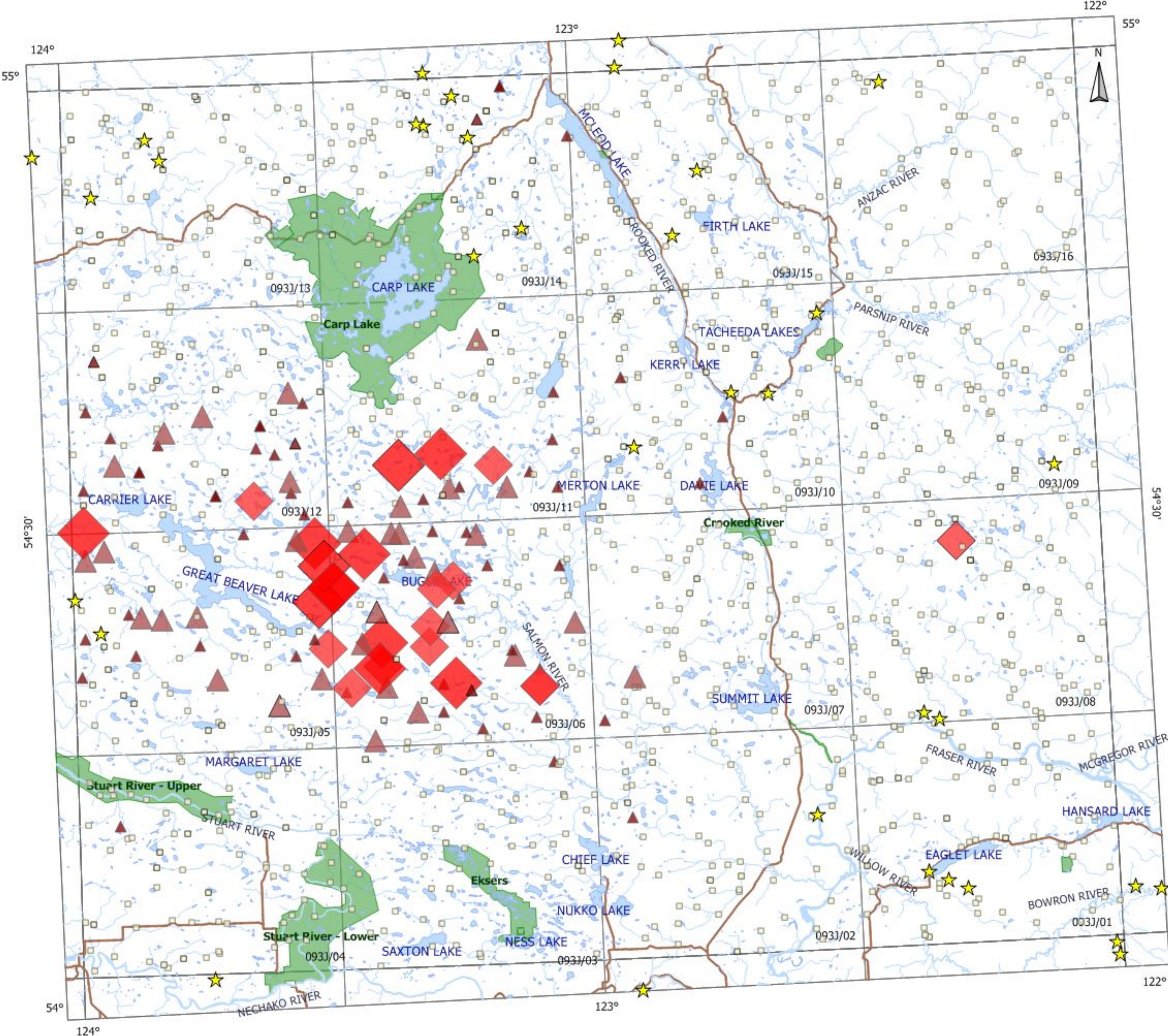
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Sodium Concentration, 1149 Values

(%)	Percentile
>0.032	>99
0.028 - 0.032	98 to 99
0.022 - 0.028	95 to 98
0.019 - 0.022	90 to 95
<0.019	<90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

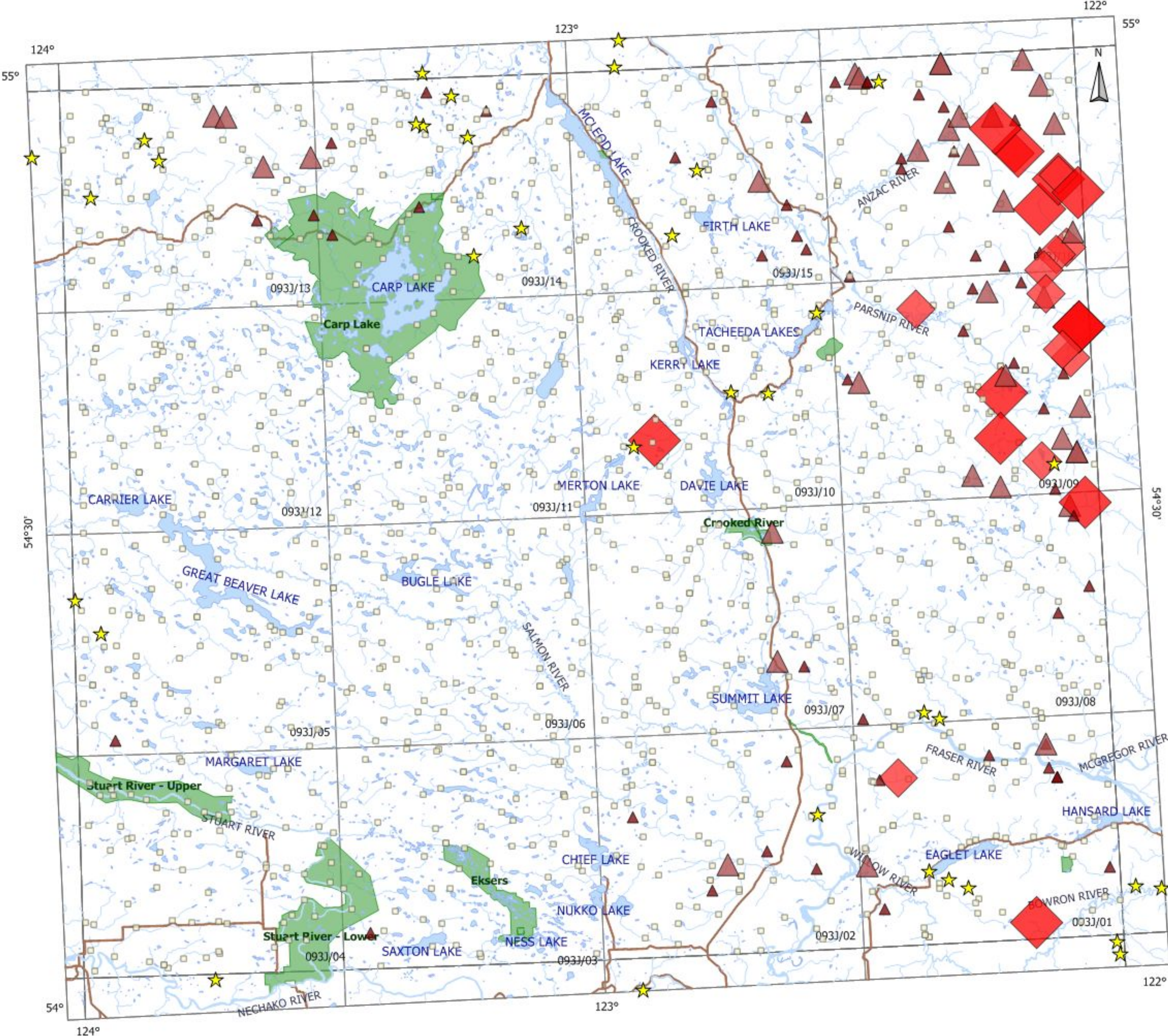
Ni by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Nickel Concentration, 1149 Values

(ppm)	Percentile
>144.3	>99
124.6 - 144.3	98 to 99
100.9 - 124.6	95 to 98
70.7 - 100.9	90 to 95
<70.7	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Pb by ICPMS

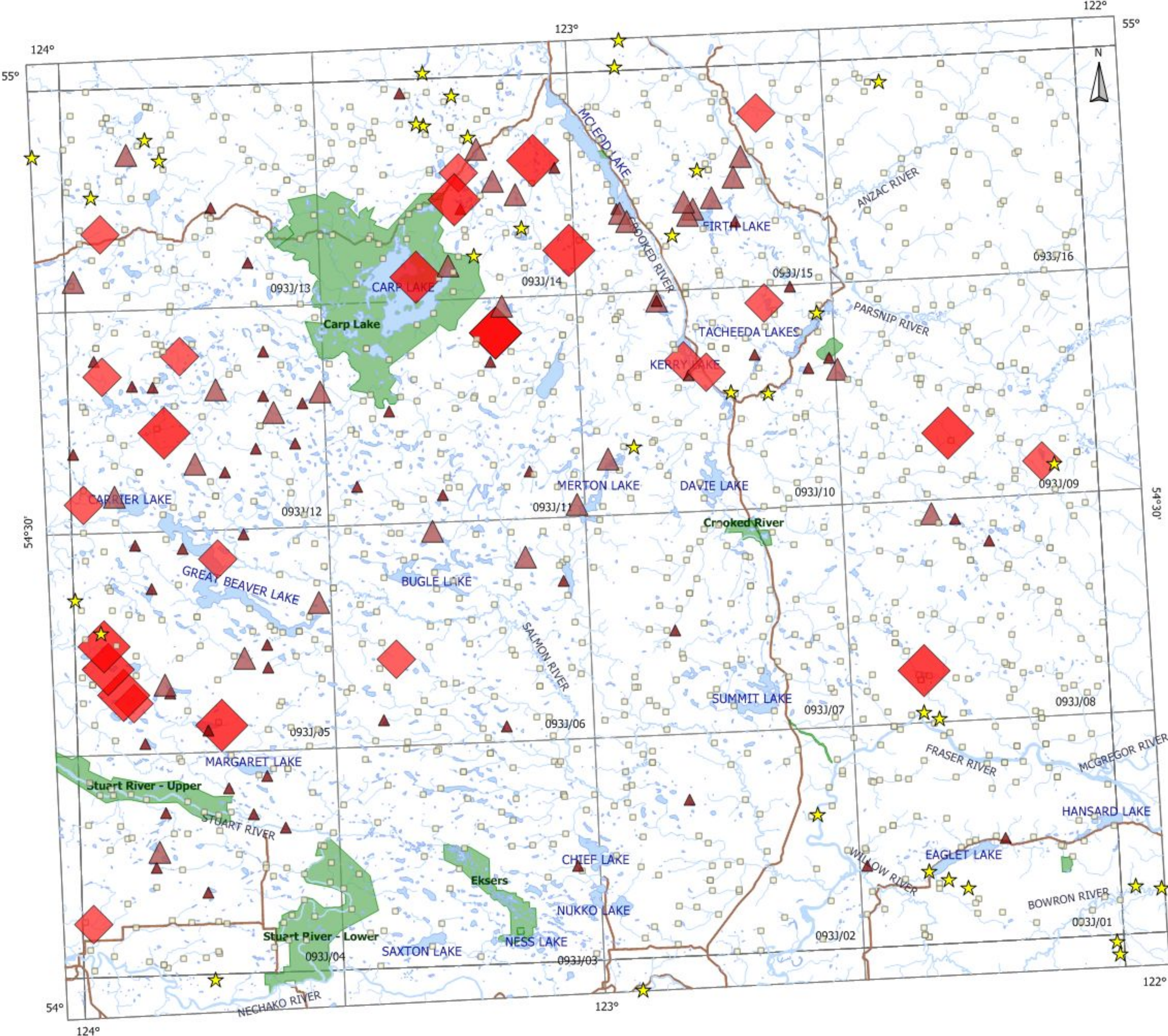
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest
Lead Concentration, 1149 Values

(ppm)	Percentile
>24.63	>99
21.91 - 24.63	98 to 99
15.72 - 21.91	95 to 98
13.27 - 15.72	90 to 95
<13.27	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

S by ICPMS

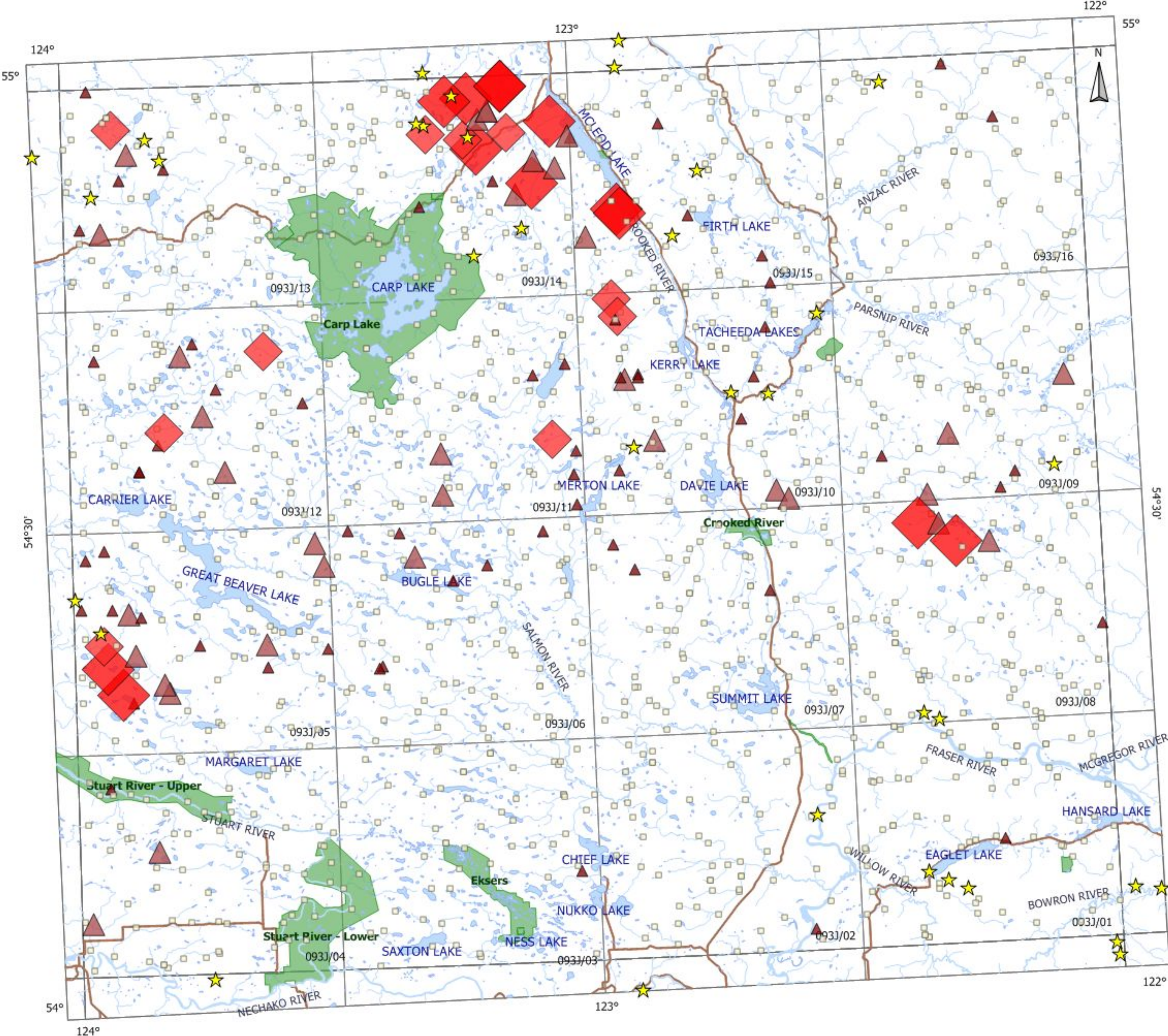
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Sulfur Concentration, 1149 Values

(%)	Percentile
>0.71	◆ >99
0.57 - 0.71	◆ 98 to 99
0.41 - 0.57	▲ 95 to 98
0.27 - 0.41	▲ 90 to 95
<0.27	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Sb by ICPMS

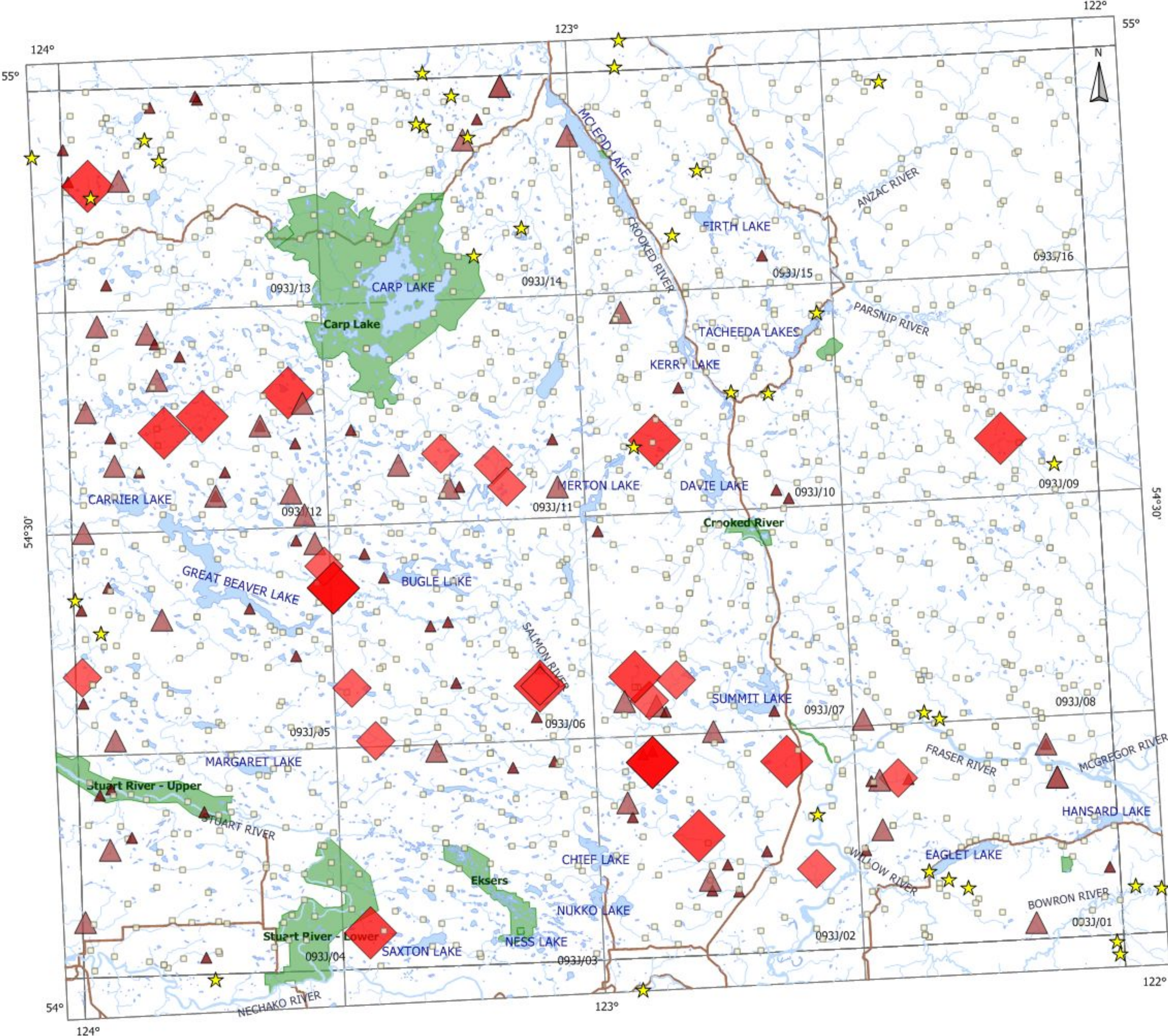
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest
Antimony Concentration, 1149 Values

(ppm)	Percentile
>1.27	◆ >99
0.91 - 1.27	◆ 98 to 99
0.68 - 0.91	▲ 95 to 98
0.55 - 0.68	▲ 90 to 95
<0.55	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA

NTS 93J

0 40 km

UTM Zone 10

Sc by ICPMS

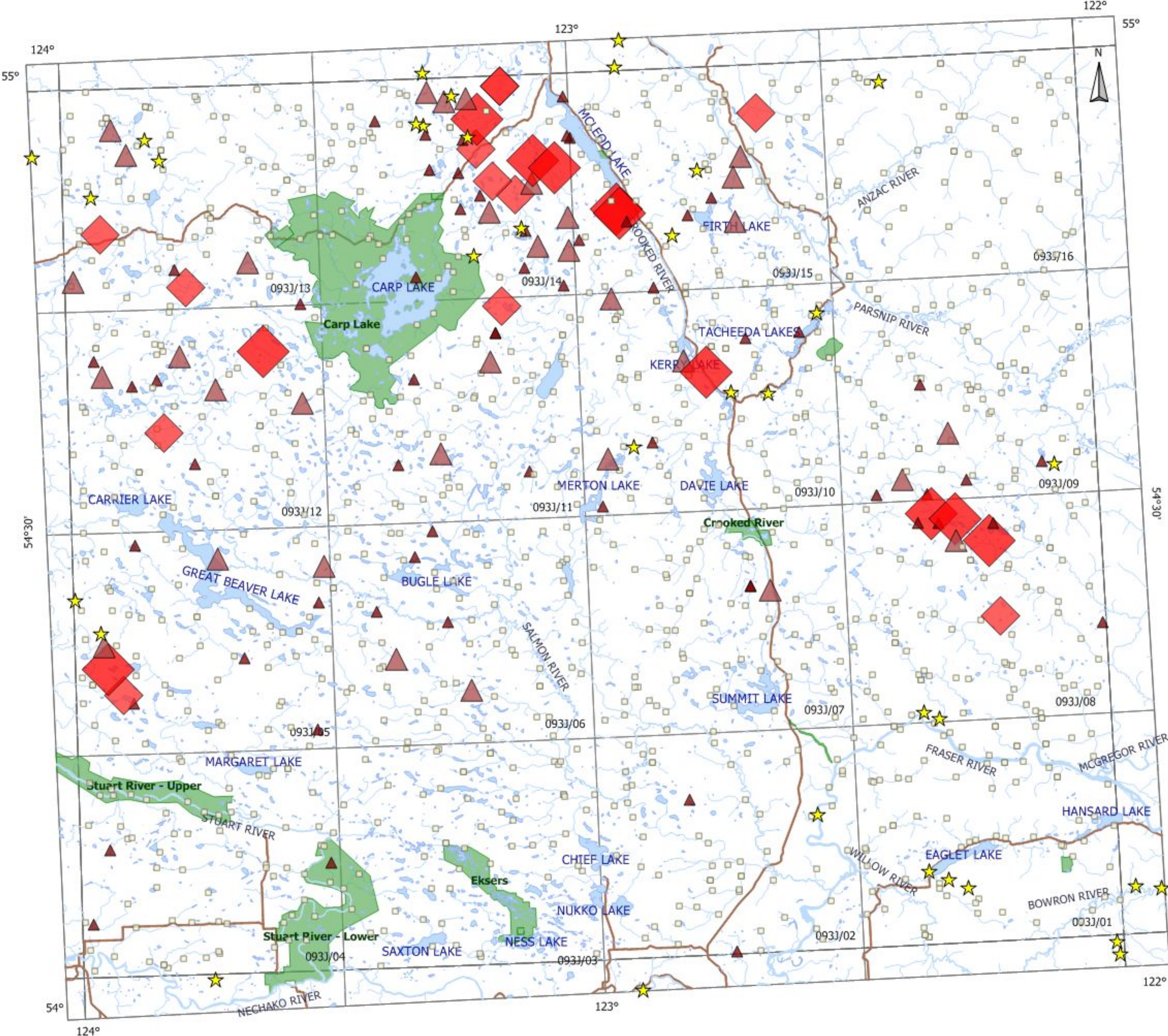
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Scandium Concentration, 1149 Values

(ppm)	Percentile
>8.7	>99
8.1 - 8.7	98 to 99
6.9 - 8.1	95 to 98
6.0 - 6.9	90 to 95
<6.0	<90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

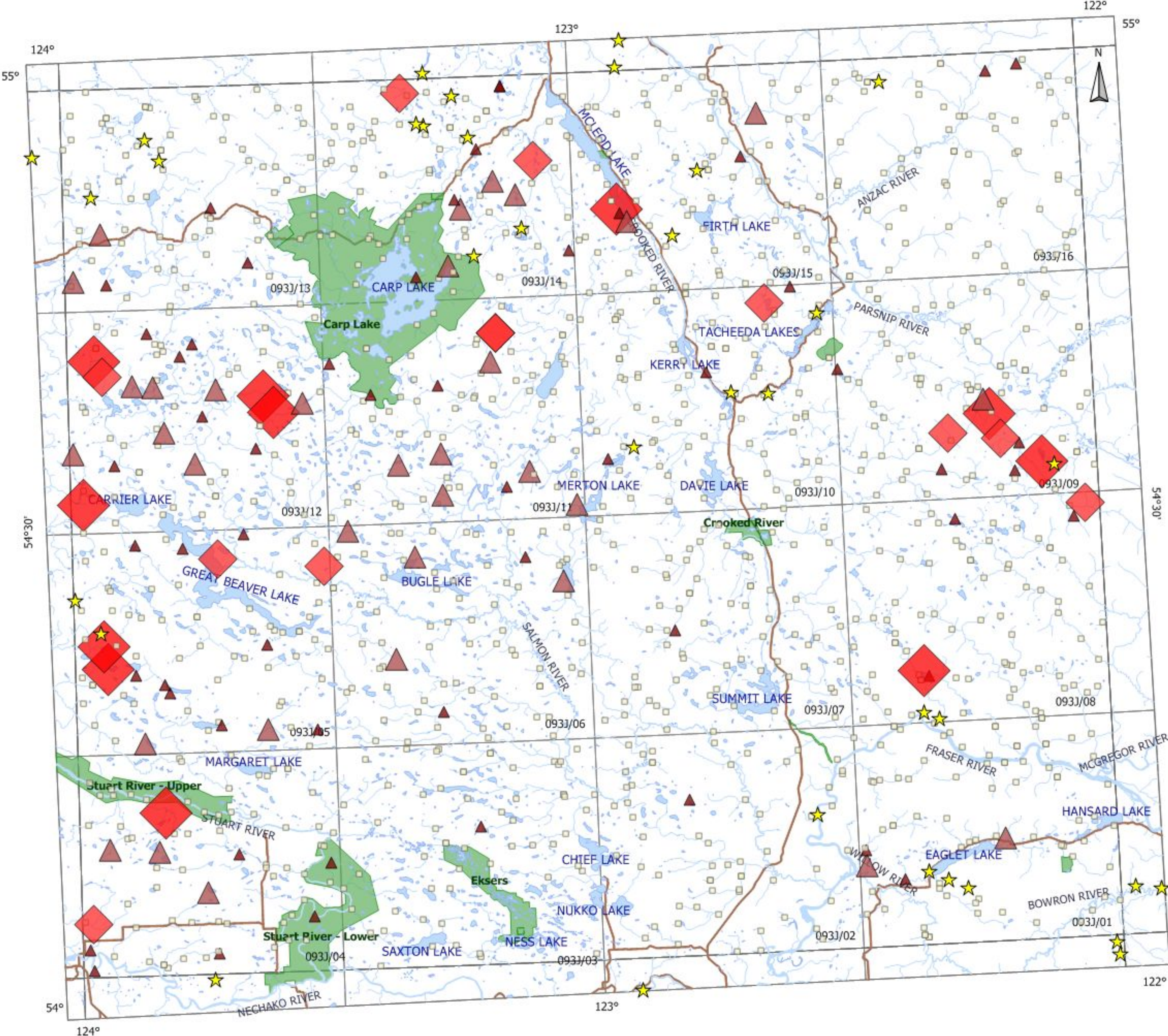
Se by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Selenium Concentration, 1149 Values

(ppm)	Percentile
>7.6	◆ >99
5.6 - 7.6	◆ 98 to 99
2.4 - 5.6	▲ 95 to 98
1.5 - 2.4	▲ 90 to 95
<1.5	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

Sr by ICPMS

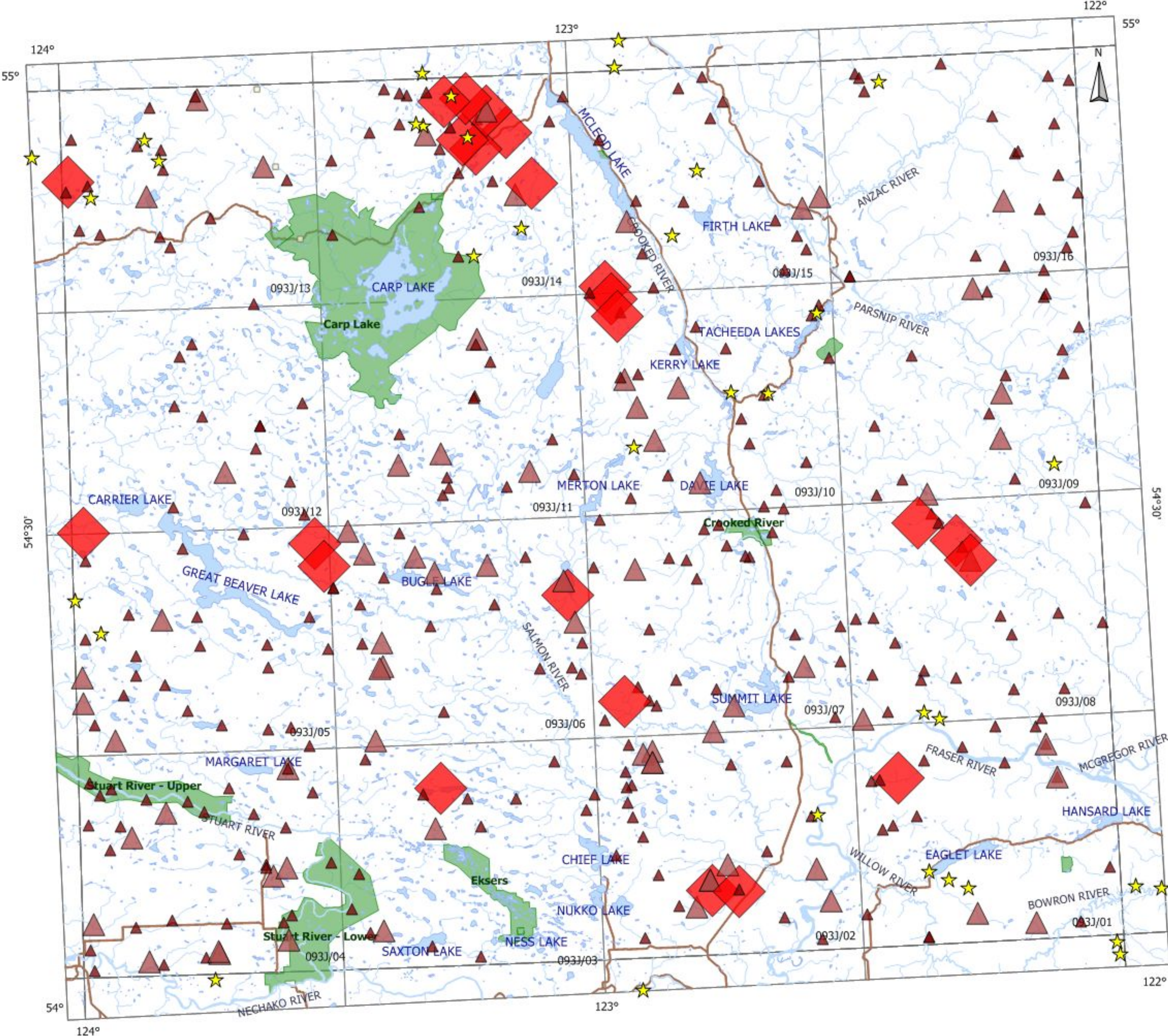
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Strontium Concentration, 1149 Values

(ppm)	Percentile
>141.1	>99
118.7 - 141.1	98 to 99
90.4 - 118.7	95 to 98
69.1 - 90.4	90 to 95
<69.1	<90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

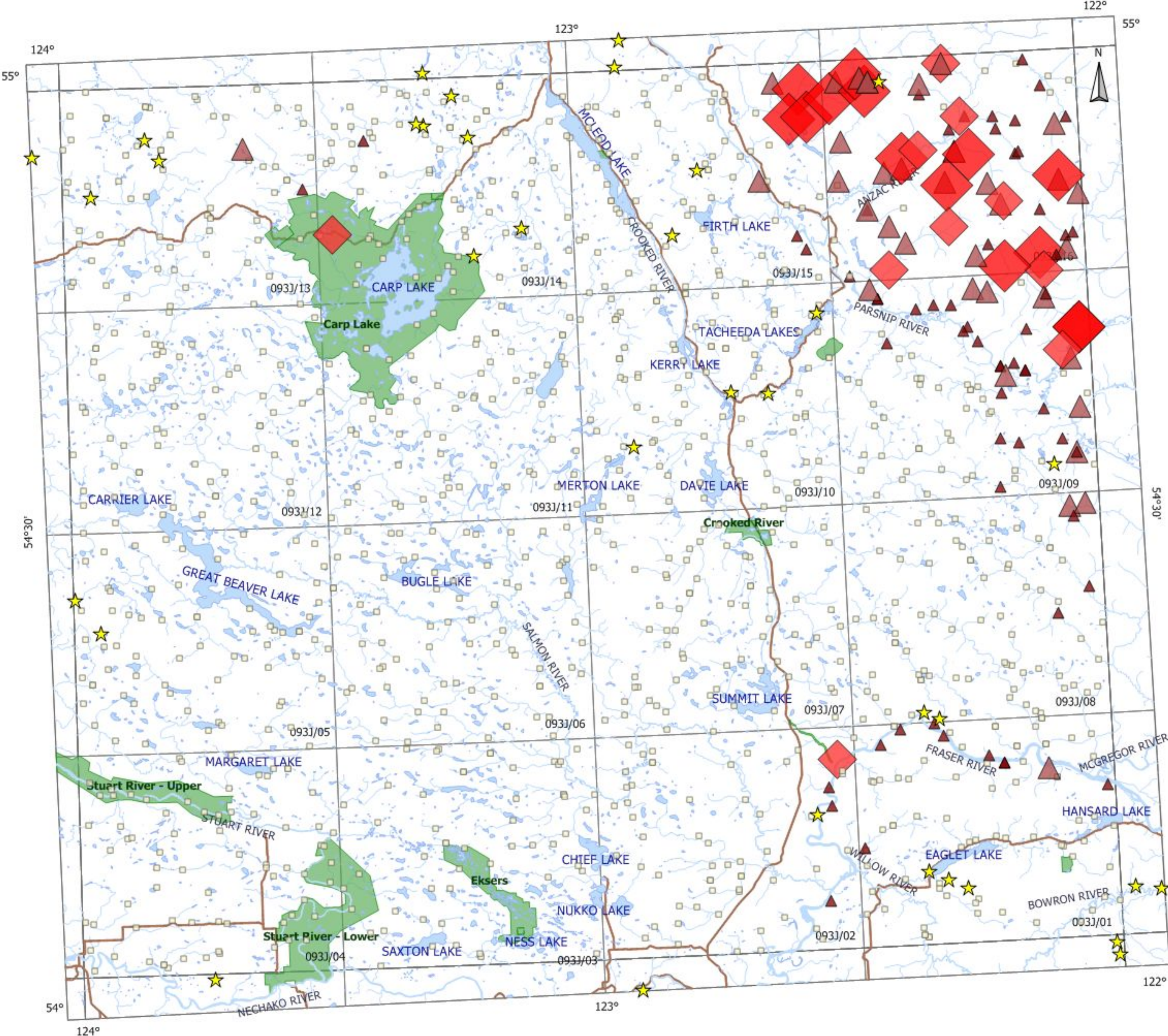
Te by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Tellurium Concentration, 1149 Values

(ppm)	Percentile
>0.04	◆ >99
0.03 - 0.04	◆ 98 to 99
0.03 - 0.03	▲ 95 to 98
0.02 - 0.03	▲ 90 to 95
<0.02	□ <90

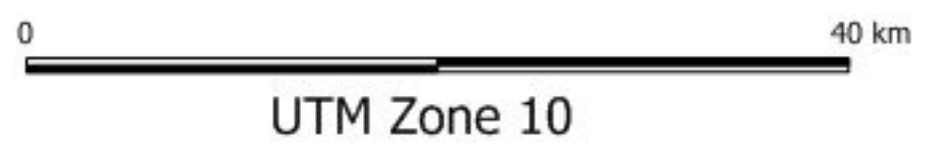
1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J



Th by ICPMS

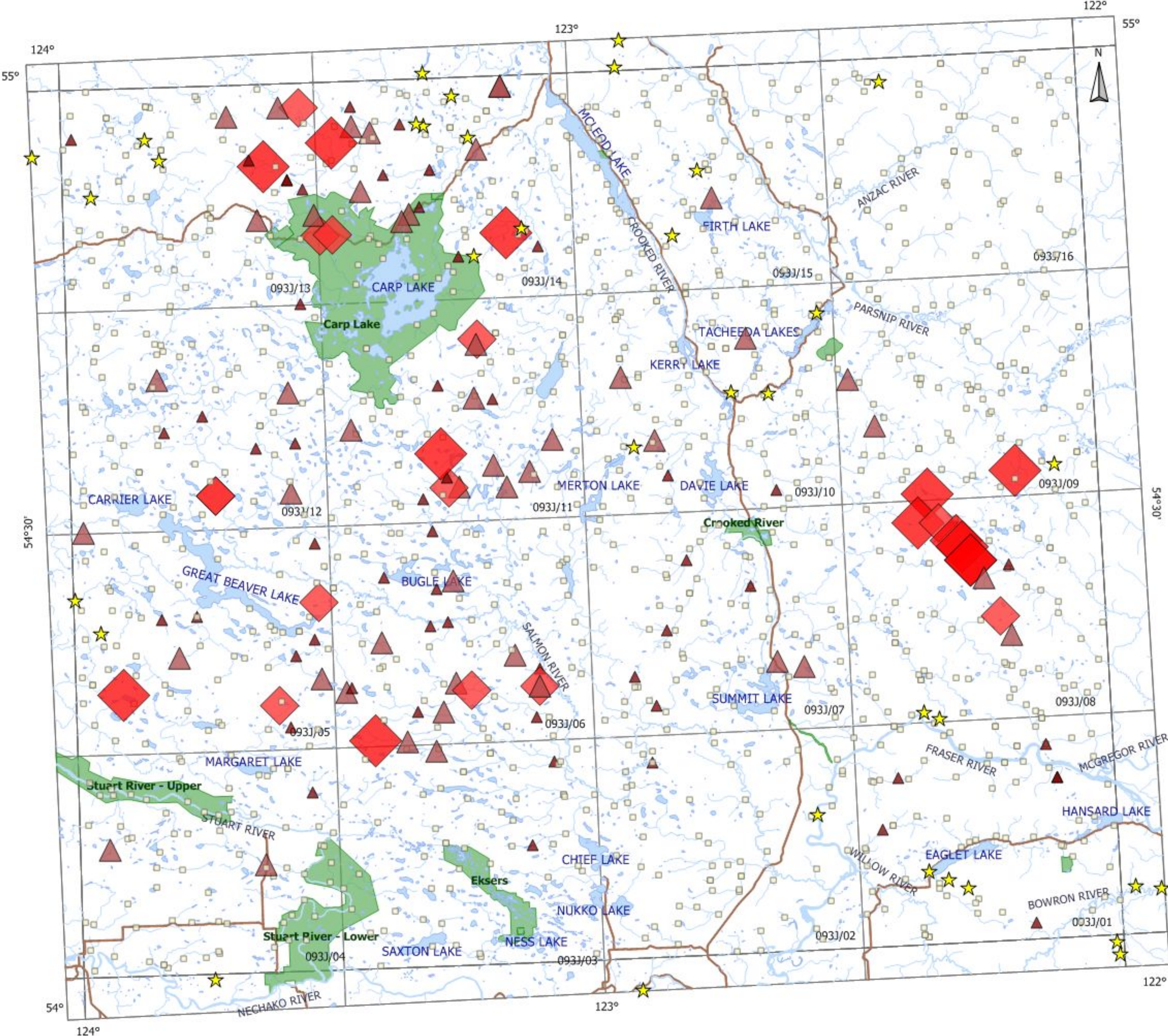
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Thorium Concentration, 1149 Values

(ppm)	Percentile
>12.8	>99
12.1 - 12.8	98 to 99
9.7 - 12.1	95 to 98
6.3 - 9.7	90 to 95
<6.3	<90

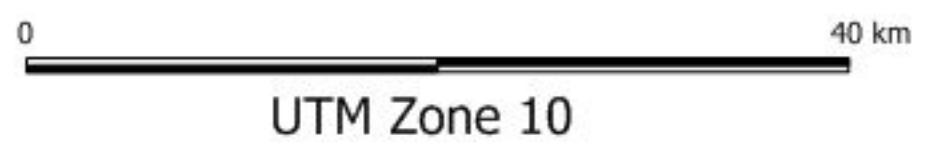
1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J



TI by ICPMS

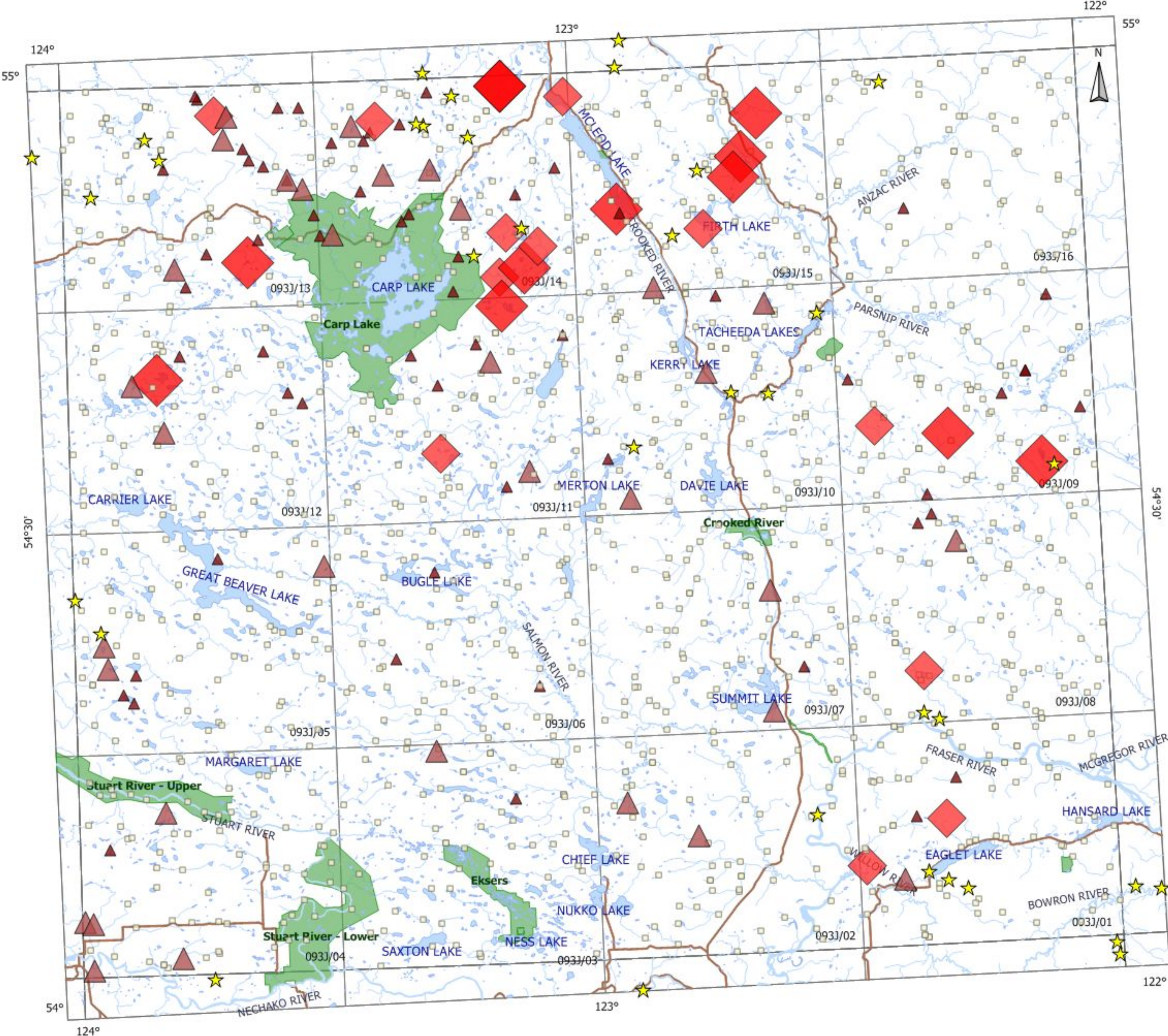
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest
Thallium Concentration, 1149 Values

(ppm)	Percentile
>0.29	>99
0.24 - 0.29	98 to 99
0.18 - 0.24	95 to 98
0.16 - 0.18	90 to 95
<0.16	<90

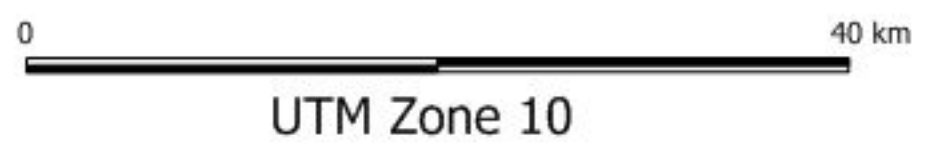
1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J



U by ICPMS

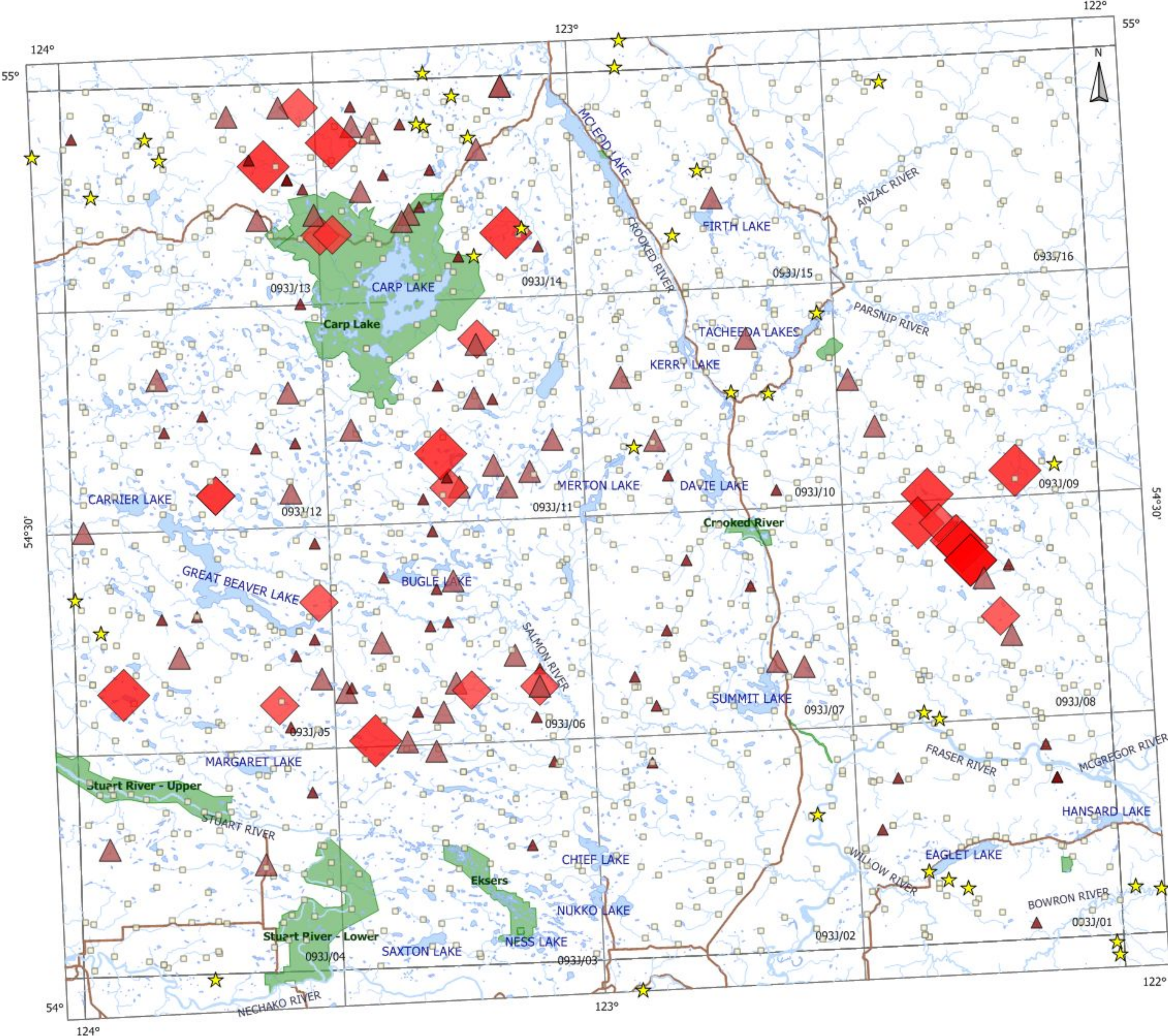
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Uranium Concentration, 1149 Values

(ppm)	Percentile
>9.8	>99
7.4 - 9.8	98 to 99
4.1 - 7.4	95 to 98
2.7 - 4.1	90 to 95
<2.7	<90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

V by ICPMS

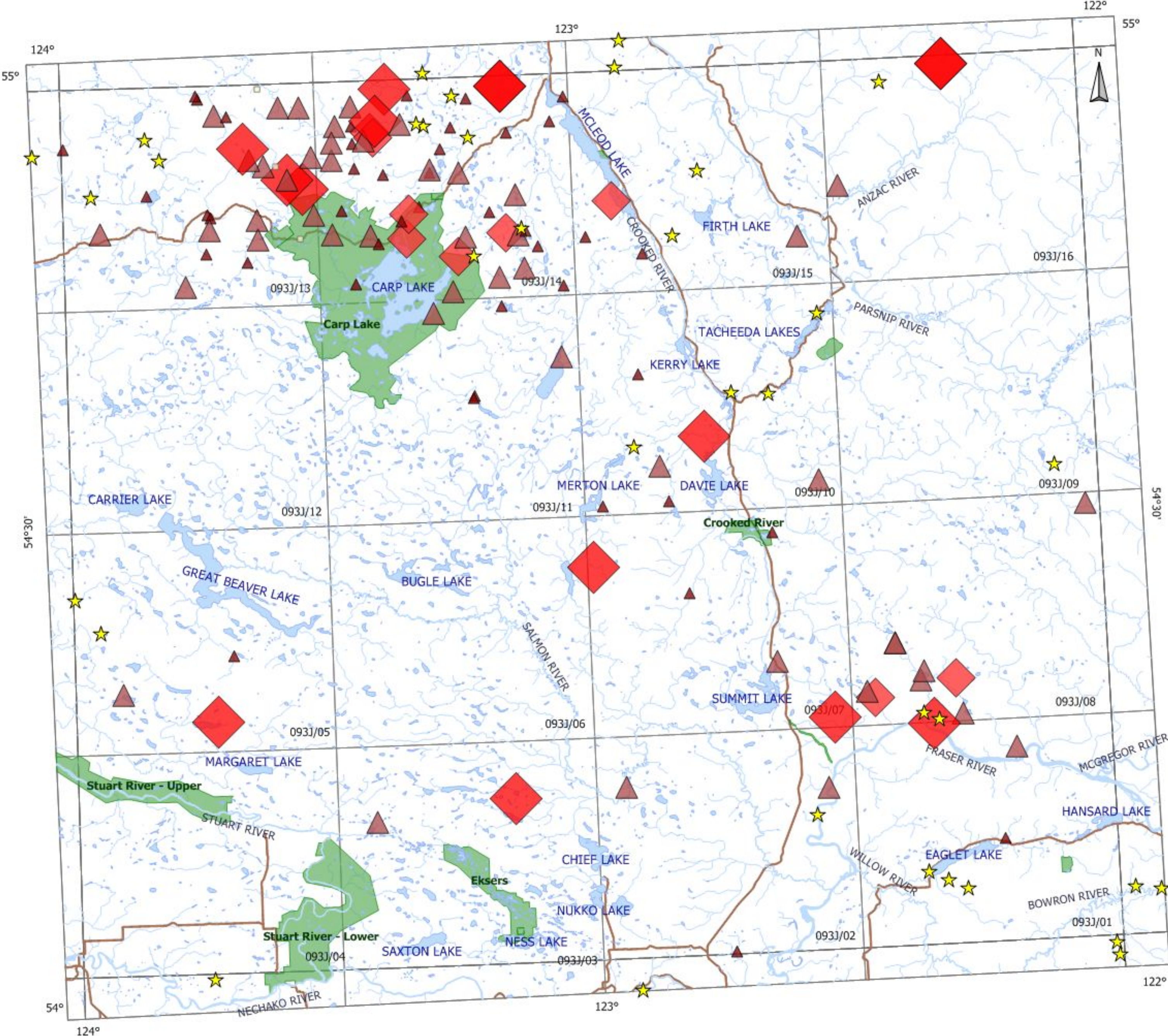
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Vanadium Concentration, 1149 Values

(ppm)	Percentile
>93	◆ >99
86 - 93	◆ 98 to 99
70 - 80	▲ 95 to 98
63 - 70	▲ 90 to 95
<63	○ <90

1088 Sample Sites



GEOFILE 2006-09
McLEOD LAKE
BRITISH COLUMBIA
NTS 93J

0 40 km
UTM Zone 10

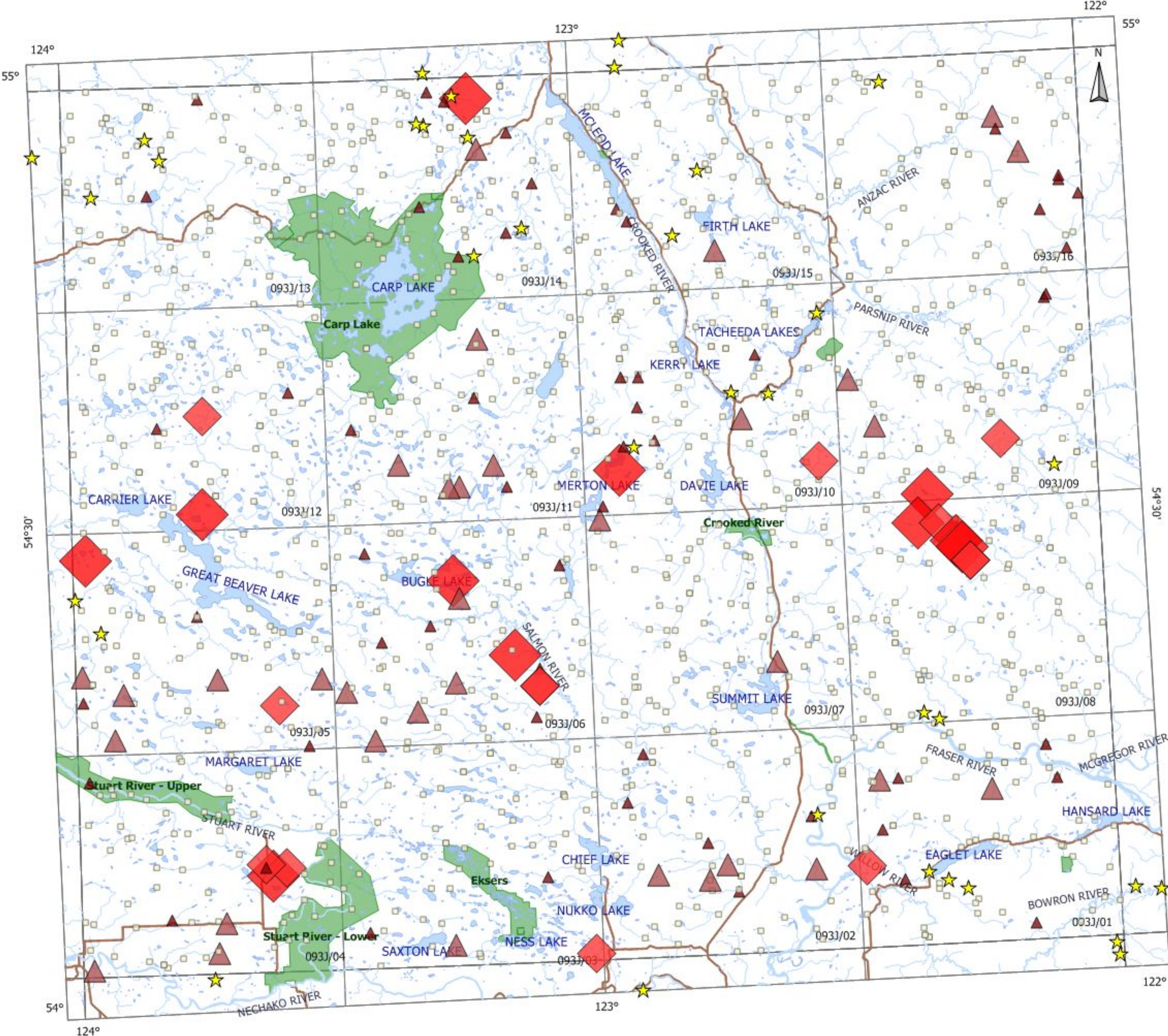
W by ICPMS
Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Tungsten Concentration, 1149 Values

(%)	Percentile
>0.71	◆ >99
0.57 - 0.71	◆ 98 to 99
0.41 - 0.57	▲ 95 to 98
0.27 - 0.41	▲ 90 to 95
<0.27	□ <90

1088 Sample Sites



GEOFILE 2006-09

McLEOD LAKE

BRITISH COLUMBIA

NTS 93J

0 40 km

UTM Zone 10

Zn by ICPMS

Stream Sediment

- ★ MINFILE Occurrence
- Lakes
- Parks
- Main Roads
- Drainage

Sample Sites with Highest Zinc Concentration, 1149 Values

(ppm)	Percentile
>218.7	>99
179.0 - 218.7	98 to 99
135.7 - 179.0	95 to 98
112.8 - 135.7	90 to 95
<112.8	<90

1088 Sample Sites

BBBBBBBB	CCCCCCCC	GGGGGGGG	SSSSSSSS
BB BB	CCCCCCCC	GG	SSSSSSSS
BB BB	CC	GG	SS
BB BB	CC	GG	SS
BB BB	CC	GG	SS
BBBBBBBB	CC	GG GGG	SSSSSSSS
BB BB	CC	GG GG	SS
BB BB	CC	GG GG	SS
BB BB	CC	GG GG	SS
BB BB	CCCCCCCC	GG G	SSSSSSSS
BBBBBBBB	CCCCCCCC	GGGGGGGG	SSSSSSSS

BRITISH COLUMBIA GEOLOGICAL SURVEY

GEOCHEMISTRY SUBSECTION

REGIONAL SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA

MS-DOS FLOPPY DISKETTE VERSION

SURVEY NOTES

McLEOD LAKE - 93J

BC RGS-15, GSC OF-1216, NGR-81

JANUARY 1988

PAUL F. MATYSEK - PROJECT GEOCHEMIST

..... Continued

1111-BCGS-111-BCGS-111-BCGS-111-BCGS-111-BCGS-111-BCGS-111-BCGS-1111

1986 Regional Geochemical Survey
93J - Mcleod Lake

British Columbia Regional Geochemical Survey RGS-15.
Geological Survey of Canada Open File 1216.
National Geochemical Reconnaissance 1:250 000 Map series NGR-81

The 1985 Reconnaissance survey was undertaken by the British Columbia Ministry of Energy, Mines and Petroleum Resources in conjunction with the Geological Survey of Canada under a "Letter of understanding for a cooperative project.

E.H.W. Hornbrook directed Geological Survey of Canada activities.

W.M. Johnson directed the British Columbia Ministry of Energy, Mines and

Petroleum Resources activities.

P.W.B. Friske coordinated the activities of the Geological Survey of Canada Staff.

Contracts let for collection, sample preparation and analysis were the responsibility of, and were supervised and/or monitored by the staff of the British Columbia Geological Survey Branch (BCGS) or Geological Survey of Canada (GSC) staff as follows:

COLLECTION: - Hi-Tec Resource Management Ltd., Vancouver, B.C.
- A. Boronowski (BCGS)

PREPARATION: - Golder Associates, Ottawa, Ontario
- J.J. Lynch (GSC)

ANALYSIS: - Barringer Magenta Ltd., Rexdale, Ontario (Sediments)
- Barringer Magenta Ltd., Calgary, Alberta (Waters)
- J.J. Lynch (GSC)

PUBLICATIONS - Sample location map, current Mineral Inventory map,
maps showing element concentrations, plus a print-out
of analytical values, field observations and a statistical
summary (RGS-15, GSC Open File 1216) \$50.00

DISTRIBUTION - For Purchase:
CENTRES British Columbia Ministry of Energy, Mines and Petroleum
Resources, Publications Distribution, 552 Michigan St,
Victoria, B.C., V8V 1X4 (Phone: 604 387-3188)

- For Reference:
British Columbia Ministry of Energy, Mines and Petroleum
Resources Library, 430 -617 Government St, Victoria
Map Library at the University of British Columbia
All libraries of the Geological Survey of Canada

..... Continued

2222-BCGS-222-BCGS-222-BCGS-222-BCGS-222-BCGS-222-BCGS-222-BCGS-2222

Sample Collection:

Truck, and helicopter supported sample collection was carried out during the summer 1985. Stream sediment and water samples were collected at an average density of one sample per 13 square kilometres throughout the 14,770 square kilometres of the central British Columbia survey area NTS 93J.

Sample site duplicate samples were routinely collected in each analytical block of twenty samples.

Sample Preparation:

Field dried samples were air-dried. Sieved through a minus 80 mesh (<177 MICRONS) screen and ball milled. The ball milled fraction was used for subsequent analyses.

At this time, control reference and blind duplicate samples were inserted into each block of twenty sediment samples. For the water samples, only control reference samples were inserted into the block. There were no blind duplicate water samples.

Analytical Determinations:

Element	Units	Method	Detection Limit
Sediments			
Zinc	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 2 = 1
Copper	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 2 = 1
Lead	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 2 = 1
Nickel	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 2 = 1
Cobalt	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 2 = 1
Silver	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 0.2 = 0.1
Managanese	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 5 = 2

Arsenic	PPM	HYDRIDE EVOLUTION AAS	< 2 = 1
Molybdenum	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 2 = 1
Iron	PCT	ATOMIC ABSORPTION SPECTROSCOPY	< 0.02 = 0.01
Mercury	PPB	FLAMELESS SPECTROSCOPY	< 10 = 5
LOI	PCT	LOSS ON IGNITION BY WEIGHT DIFFERENCE	< 1 = 0.5
Uranium	PPM	DELAYED NEUTRON ACTIVATION	< 0.5 = 0.2
Fluorine	PPM	SPECIFIC ION ELECTRODE	< 40 = 20
Vanadium	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 5 = 2
Cadmium	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 0.2 = 0.1
Antimony	PPM	HYDRIDE EVOLUTION AAS	< 0.2 = 0.1
Tin	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 1 = 1
Tungsten	PPM	COLORIMETRY USING DITHIOL	< 2 = 1
Barium	PPM	ATOMIC ABSORPTION SPECTROSCOPY	< 40 = 20

Waters:

Uranium	PPB	LASER-INDUCED FLUOROMETRY	< 0.05 = 0.02
Fluorine	PPB	SPECIFIC ION ELECTRODE	< 20 = 10
pH	LOG	SPECIFIC ION ELECTRODE	

..... Continued

3333-BCGS-333-BCGS-333-BCGS-333-BCGS-333-BCGS-333-BCGS-333-BCGS-3333

Analytical Methods:

Stream Sediments:

Stream sediments were analyzed for Zn, Cu, Pb, Ni, Co, Ag, Mn, As, Mo, Fe, Hg, LOI, U, V, Cd, W, Sn, Sb and Ba.

For the determination of Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe, Cd, and As a 1 gram sample was reacted with 3 ml conc. HNO_3 in a test tube overnight at room temperature. After digestion, the test tube was immersed in a hot water bath at room temperature and brought up to 90°C and held at this temperature for 30 minutes with periodic shaking. 1 ml conc. HCL was added and heating was continued for another 90 minutes.

The sample solution was then diluted to 20 ml with metal free water and mixed. Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe and Cd were determined by atomic absorption spectroscopy using an air-acetylene flame.

Background corrections were made for Pb, Ni, Co, Ag and Cd.

As was determined by atomic absorption using a hydride evolution method wherein the hydride (ASH_3) is evolved, passed through a heated quartz tube in the light path of an atomic absorption spectrophotometer. The method is described by Aslin (1976).

Molybdenum and Vanadium were determined by atomic absorption spectroscopy using a nitrous oxide acetylene flame.

A 0.5 gram sample was reacted with 1.5 ml concentrated HNO_3 at 90°C for 30 minutes. At this point 0.5 ml concentrated HCL was added and the digestion was continued at 90°C for an additional 90 minutes. After cooling, 8 ml of 1250 ppm Al solution were added and the sample solution was diluted to 10 ml before aspiration.

Mercury was determined by the Hatch and Ott procedure with some modifications. The method is described by Jonasson et al. (1973).

A 0.5 gram sample was reacted with 20 ml concentrated HNO_3 and 1 ml concentrated HCL in a test-tube for 10 minutes at room temperature prior to 2 hours of digestion with mixing at 90°C in a hot water bath.

After digestion, the sample solutions were cooled and diluted to 100 ml with metal free water.

The Hg present was reduced to the elemental state by the addition of 10 ML 10% W/V SnSO_4 in M H_2SO_4 . The Hg vapour was then flushed by a stream of air into an absorption cell mounted in the light path of an atomic absorption spectrophotometer. Absorption measurements were made at 253.7 NM.

Loss on Ignition was determined using a 500 mg sample. The sample, weighed into 30 ml beaker, was placed in a cold muffle furnace and brought up to 500C over a period of 2-3 hours. The sample was left at this temperature for 4 hours, then allowed to cool to room temperature for weighing.

..... Continued

4444-BCGS-444-BCGS-444-BCGS-444-BCGS-444-BCGS-444-BCGS-444-BCGS-4444

Analytical Methods:

Stream Sediments:

Uranium was determined using a neutron activation method with delayed neutron counting. A detailed description of the method is provided by Boulanger et al (1975). In brief, a 1 gram sample was weighed into a 7 dram polyethylene vial, capped and sealed. The irradiation was provided by the slowpoke reactor with an operating flux of 5×10^9 neutrons/sq.cm./sec. The samples were pneumatically transferred from an automatic loader to the reactor, where each sample was irradiated for 20 seconds. After irradiation, the sample was again transferred pneumatically to the counting facility where after a 10 second delay the sample was counted for 20 seconds with six helium detector tubes embedded in paraffin. Following counting, the samples were automatically ejected into a shielded storage container. Calibration was carried out once a day as a minimum, using natural materials of known uranium concentration.

Barium was determined as follows: A 0.25 gram sample was heated with 5 ml conc. HF, 5 ml conc. HClO₄ and 2 ml conc. HNO₃ to fumes of HClO₄; 3 ml of conc. HClO₄ were added and heated to light fumes; 5 ml of water were added and the solution was transferred to a calibrated test tube and diluted to 25 ml with water. Barium was determined by atomic absorption

spectroscopy using a nitrous oxide acetylene flame.

Antimony was determined as described by (Aslin,1976).

A 500 mg sample was placed in a test tube; 3 ml concentrated HNO₃ and 9 ml concentrated HCL are added and the mixture was allowed to stand overnight at room temperature. The mixture was heated slowly to 90C and maintained at this temperature for at least 90 minutes.

The solution was cooled and diluted to 10 ml. A 400 micro l aliquot of this test solution was removed and diluted to 10 ml with 1.8M HCL. The antimony in an aliquot of this dilute solution was then determined by hydride evolution-atomic absorption spectrometry .

Tungsten was determined as follows: A 0.2 gram sample of stream sediment was fused with 1 gram K₂S₂O₇ in a rimless test tube at 575C for 15 minutes in a furnace. The cooled melt was then leached with 10 ml concentrated HCL in a water bath heated to 85C. After the soluble material had completely dissolved, the insoluble material was allowed to settle and an aliquot of 5 ml was transferred to another test tube. 5 ml of 20% SnCl₂ solution were then added to the sample aliquot, mixed and heated for 10 minutes at 85C in a hot water bath. A 1 ml aliquot of dithiol solution (1% dithiol in iso-amyl acetate) was added to the test solution and the test solution was then heated for 4-6 hours at 80-85C in a hot water bath. The test solution was then removed from the hot water bath, cooled and 2.5 ml of kerosene added to dissolve the globule. The colour intensity of the kerosene solution was measured at 630 NM using a spectrophotometer.

The method is described by Quin and Brooks (1972).

..... Continued

5555-BCGS-555-BCGS-555-BCGS-555-BCGS-555-BCGS-555-BCGS-555-BCGS-5555

Analytical Methods:

Stream Sediments:

Tin was determined in stream sediments as follows: A 200 mg sample is heated with NH_4I : the sublimed SnI_4 is dissolved in 1% tartaric acid and the tin is determined by hydride generation-atomic absorption spectroscopy. Measurements are made at the 286.3 NM line using an air-hydrogen flame.

Stream Waters:

Fluoride in water samples was determined using a fluoride electrode. Prior to measurement an aliquot of the sample was mixed with an equal volume of TISAB II solution (Total Ionic Strength Adjustment Buffer). The TISAB II buffer solution was prepared as follows: 58 gm NaCl and 5 gm CDTA (cyclohexylene dinitrilo acetic acid) were dissolved in a mixture of 50 ml metal free water and 57 ml glacial acetic acid. The solution was cooled to room temperature and the pH adjusted to between 5.0 and 5.5 by the slow addition of 5M NaOH solution. The solution was cooled and diluted to 1 litre in a volumetric flask.

Hydrogen ion activity (pH) was measured with a combination galss-calomel electrode and a pH meter.

Uranium in waters was determined by a laser-induced fluorometric method using a scintrex UA-3 Uranium analyser. All readings were taken against a sample blank.

Quality control and monitoring of the geochemical data was undertaken by a standard method used by the Exploration Geochemistry Subdivision at the Geological Survey of Canada.

Data Preparation:

On receipt, field and analytical data were processed with the aid of computers at the Geological Survey of Canada offices in Ottawa.

The field data were recorded by the field contract staff on standard stream, lake water and sediment field cards (REV. 74) used by the Geological

Survey of Canada (Garrett, 1974).

The sample site positions were marked on appropriate 1/250,000 scale NTS maps in the field. These maps were digitized at the GSC in Ottawa to obtain the sample site UTM coordinates.

The sample site coordinates were checked as follows: A sample location map was produced on a calcomp 1051 Drum Plotter using the digitized coordinates; the field contractor's sample location map was then overlaid with the calcomp map; the two sets of points were checked for coincidence. The dominant rock types in the stream catchment basins were identified on appropriate geological maps used as the bedrock geological base on elemental maps.

..... Continued

6666-BCGS-666-BCGS-666-BCGS-666-BCGS-666-BCGS-666-BCGS-666-BCGS-6666

Rock Mnemonics and ages for 93J - McLeod Lake

ROCK AGE DESCRIPTION
TYPE

STRATIFIED ROCKS

Cenozoic

TILL 44 TILL, GRAVEL, SAND, SILT, ALLUVIUM
SNDS 42 SANDSTONE, SHALE, CONGLOMERATE, DIATOMITE, LIGNITE

Mesozoic - Cenozoic

ANDS 33 TAKLA GROUP: ANDESITE, BASALT, TUFF, BRECCIA, CONGLOMERATE

Paleozoic

LMSN 23 CACHE CREEK GROUP: LIMESTONE, MINOR CHERT, ARGILLITE
 CHRT 23 CACHE CREEK GROUP: RIBBON CHERT, BLACK ARGILLITE, LIMESTONE
 BSLT 21 SLIDE MOUNTAIN GROUP: BASALT, BRECCIA, TUFF, CHERT, ARGILLITE
 LMSN 17 LIMESTONE, DOLOMITE, SANDY DOLOMITE, QUARTZITE, SHALE
 LMSN 16 LIMESTONE, DOLOMITE, QUARTZITE, SHALE, GREENSTONE
 LMSN 14 CHUSINA, MANKMAN, BEAVERFOOT FORMATIONS: LIMESTONE, SANDSTONE
 SHLE 13 SHALE, CALCAREOUS SHALE, LIMESTONE, DOLOMITE
 LMSN 13 LIMESTONE, SHALE QUARTZITE
 LMSN 12 LYNX, HOTA, TATEI, CHETANG, TITKANA, ARCTOMYS, WATERFOWL, MURAL,
 MAHTO FORMATIONS: LIMESTONE, DOLOMITE, SHALE, SANDSTONE

Proterozoic:

MSDM 11 UNDIVIDED SEDIMENTARY AND METASEDIMENTARY ROCKS OF HADRYNIAN
 TO LOWER DEVONIAN AGE
 PLLT 04 MIETTE GROUP (UPPER): PHYLLITE, ARGILLITE, SANDSTONE, LIMESTONE
 SMRK 04 MIETTE GROUP (UNDIVIDED): SEDIMENTARY ROCK

INTRUSIVE AND METAMORPHIC COMPLEX ROCKS:

QTMZ 42 QUARTZ MONZONITE, GRANODIORITE, QUARTZ DIORITE
 GRDR 36 GRANODIORITE, QUARTZ DIORITE, MINOR GRANITE, SYENITE, GABBRO
 GRNG 50 WOLVERINE, METAMORPHIC COMPLEX: GRANITOID, GNEISS, PEGMATITE

..... Continued

7777-BCGS-777-BCGS-777-BCGS-777-BCGS-777-BCGS-777-BCGS-777-BCGS-7777

References:

-
- Aslin, G.E.M. (1976) The Determination of Arsenic and Antimony in geological materials by flameless atomic absorption spectrophotometer
Journal of Geochemical Exploration, Vol. 6, pp. 321-330.
- Boulanger, A., Evans, D.J.R. and Raby, B.F. (1975) Uranium analysis by neutron activation delayed neutron counting: Proc. of the 7th annual symp. of Canadian Mineral Analysts. Thunder Bay, Ontario, Sept. 22-23, 1975.
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MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J15	851002	10	527102	6076808		1	0	TILL	44	0	4	2	3	0	1		1.5	0	0	0	0	0	370	1	0	0407	-1.0	-1.00	-1	55	15	10	21	8	0.1	630	2.50	1	4.4	1	1	48	3.5	0.2	260	0.1	20	-1.0	-1	9.6
93J15	851003	10	522822	6083742		6	0	TILL	44	1	3	1	3	1	0		3.0	3	2	0	0	0	311	1	1	0407	8.0	0.22	42	49	8	4	14	7	0.1	950	1.80	2	5.0	1	1	43	2.5	0.1	200	0.1	13	-1.0	-1	6.4
93J15	851004	10	523701	6088509		6	0	TILL	44	1	4	3	3	0	8		3.0	3	1	0	0	0	013	3	0	0407	7.1	0.02	36	37	16	3	1	0.1	265	0.60	2	34.8	1	1	233	0.5	0.1	80	0.4	10	-1.0	-1	84.0	
93J16	851005	10	533578	6079102		6	10	SMRK	4	1	3	1	3	0	0		3.0	2	1	0	0	0	310	1	0	0407	8.0	0.11	34	50	7	4	16	7	0.1	795	2.10	2	5.2	1	1	43	3.0	0.1	280	0.1	15	-1.0	-1	4.8
93J16	851006	10	533578	6079102		6	20	SMRK	4	1	3	1	3	0	0		3.0	2	1	0	0	0	310	1	0	0407	8.0	0.09	34	52	6	4	17	8	0.1	570	1.90	1	4.3	1	1	48	3.0	0.1	360	0.1	18	-1.0	-1	6.2
93J16	851007	10	539455	6080323		6	0	SMRK	4	1	3	1	3	1	1		2.0	13	0		1	1	310	1	0	0407	7.6	0.11	32	53	15	8	21	10	0.1	475	2.40	2	6.0	1	1	24	3.5	0.1	280	0.1	13	-1.0	-1	5.0
93J15	851008	10	505623	6077309		6	0	BSLT	21	1	4	3	1	0	8		0.4	1	1	0	0	0	013	1	0	0707	8.2	0.10	44	120	17	1	5	2	0.1	695	0.12	4	13.2	1	1	285	0.5	0.8	220	1.2	35	-1.0	-1	84.2
93J15	851009	10	505939	6076763		6	0	BSLT	21	1	4	3	1	0	8		0.2	1	0	0	0	0	031	1	0	0707	7.7	0.02	60	36	43	1	19	3	0.1	165	0.35	2	4.3	1	1	285	0.5	0.8	340	1.0	25	-1.0	-1	63.8
93J15	851010	10	506914	6075626		6	0	BSLT	21	1	4	3	1	0	8		3.0	1	0	3	0	0	013	1	0	0707	7.4	0.02	52	110	7	1	2	1	0.1	395	2.70	2	0.5	1	1	167	85.0	0.3	300	0.1	10	-1.0	-1	85.8
93J15	851011	10	517984	6088131		6	0	TILL	44	1	3	1	3	1	8		2.0	4	2	0	1	0	226	6	0	0707	8.1	0.13	42	33	9	4	12	6	0.1	540	1.00	1	2.0	1	2	24	3.0	0.2	200	0.1	15	-1.0	-1	2.8
93J15	851012	10	518166	6090156		6	0	TILL	44	1	4	2	3	1	8		1.0	2	0	0	1	0	220	6	0	0707	8.2	0.20	28	66	19	11	25	12	0.1	1090	2.60	2	3.5	1	1	57	4.5	0.3	380	0.1	25	-1.0	-1	10.4
93J15	851013	10	519621	6085166		6	0	TILL	44	1	3	1	3	1	1		2.0	10	2	0	1	0	220	5	0	0707	8.4	0.20	34	44	9	6	14	7	0.1	435	1.20	1	2.2	1	1	38	2.0	0.2	400	0.1	15	-1.0	-1	5.4
93J15	851014	10	517936	6083358		6	0	LMSN	13	1	3	1	1	1	1		4.0	9	0	1	0	0	022	1	0	0707	8.3	0.07	34	46	15	7	15	4	0.1	115	1.10	1	2.8	1	1	105	1.0	0.2	320	0.2	20	-1.0	-1	20.6
93J15	851016	10	517027	6082438		6	0	LMSN	13	1	3	2	3	1	8		3.0	5	2	0	0	0	220	1	0	0707	8.0	0.07	34	40	7	3	14	9	0.1	1550	1.60	1	2.0	1	2	86	3.0	0.1	360	0.1	20	-1.0	-1	14.2
93J15	851017	10	513375	6083424		6	0	LMSN	13	1	3	2	3	1	2		0.6	3	1	0	0	0	220	1	0	0707	8.3	0.15	40	79	18	9	31	10	0.1	1300	2.60	2	3.1	1	2	95	4.5	0.4	440	0.2	30	-1.0	-1	17.4
93J15	851018	10	506892	6080520		6	0	LMSN	13	1	4	2	2	0	8		0.8	5	1	0	0	0	030	5	0	0707	8.3	0.20	52	79	15	4	29	9	0.1	620	1.80	2	1.9	1	1	86	3.5	0.4	460	0.1	35	-1.0	-1	6.2
93J07	851019	10	511407	6026828		6	0	GRNG	50	1	3	1	3	1	8		3.0	2	2	0	0	0	220	1	0	1507	7.9	0.25	48	67	18	2	56	10	0.1	555	1.90	2	3.5	1	1	90	4.0	0.5	660	0.2	45	-1.0	-1	5.8
93J07	851020	10	509695	6024201		6	0	GRNG	50	1	4	1	3	1	0		0.0	0	1	0	0	0	220	1	1	1507	7.0	0.02	36	94	18	6	54	13	0.1	1250	2.60	4	6.1	1	1	206	3.0	0.3	500	0.3	58	-1.0	-1	11.6
93J07	851022	10	510850	6024156		6	0	GRNG	50	1	3	1	1	1	0		3.0	10	1	3	7	0	022	3	1	1507	7.5	0.02	36	39	16	4	24	5	0.1	385	1.50	2	2.4	1	1	133	3.5	0.2	440	0.5	25	-1.0	-1	59.4
93J07	851023	10	509647	6022424		6	0	GRNG	50	1	3	3	3	1	8		0.0	0	1	0	0	0	031	1	0	1507	7.2	0.02	38	86	27	5	53	13	0.1	565	3.10	2	2.3	1	1	143	6.0	0.6	600	0.2	60	-1.0	-1	11.2
93J07	851024	10	511605	6021153		6	0	GRNG	50	1	3	1	1	1	0		2.5	5	2	0	7	0	220	1	0	1507	7.4	0.02	30	87	14	2	53	11	0.1	7050	2.20	2	2.5	1	1	190	3.0	0.3	560	0.1	48	-1.0	-1	7.0
93J07	851025	10	508046	6014878		6	0	ANDS	33	1	3	1	3	1	1		3.0	4	1	0	0	0	031	6	0	1707	7.0	0.02	32	92	29	6	37	15	0.1	840	2.50	2	2.7	1	1	171	3.0	0.4	440	0.3	55	-1.0	-1	17.2
93J07	851026	10	505811	6017259		6	0	ANDS	33	1	4	2	3	1	8		3.0	4	0	0	0	1	030	6	1	1707	6.5	0.02	40	59	23	3	42	11	0.1	495	2.10	2	1.7	1	1	114	3.0	0.4	540	0.1	50	-1.0	-1	4.6
93J07	851027	10	505367	6017336		6	0	ANDS	33	1	4	2	3	1	8		3.5	4	1	0	0	0	031	1	0	1707	7.2	0.02	42	56	11	3	34	12	0.1	1030	2.60	2	2.3	1	1	86	6.0	0.2	580	0.1	45	-1.0	-1	10.2
93J07	851028	10	507102	6015500		6	0	ANDS	33	1	3	1	3	1	1		3.0	3	1	1	0	0	031	6	0	1707	6.7	0.02	52	120	45	7	44	13	0.1	920	3.10	2	2.4	1	1	124	7.0	0.8	500	0.1	65	-1.0	-1	9.6
93J07	851029	10	505465	6018656		1	0	ANDS	33	0	4	2	3	1	0		0.0	0	0	0	0	0	121	3	0	1707	-1.0	-1.00	-1	77	55	4	97	18	0.1	975	3.10	2	3.8	1	1	190	5.0	0.8	500	0.2	90	-1.0	-1	24.8
93J07	851030	10	509129	6014064		1	0	ANDS	33	0	4	2	3	1	8		0.0	0	0	0	0	0	031	1	0	1707	-1.0	-1.00	-1	93	33	5	40	11	0.1	480	2.90	2	2.1	1	1	95	5.0	0.6	460	0.1	60	-1.0	-1	7.2
93J02	851031	10	524137	6007200		6	0	ANDS	33	1	4	2	3	1	0		2.0	3	1	1	0	0	031	6	0	1707	7.1	0.02	34	99	45	12	36	16	0.1	740	3.60	2	2.9	1	1	86	7.0	0.8	400	0.1	70	-1.0	-1	11.2
93J07	851032	10	522888	6013612		1	0	BSLT	42	0	3	2	3	1	0		0.0	0	0	0	0	0	031	3	0	1907	-1.0	-1.00	-1	62	33	8	55	11	0.1	540	2.60	2	6.4	1	1	162	3.5	0.6	540	0.2	45	-1.0	-1	25.0
93J07	851033	10	526153	6034253		6	0	GRNG	50	1	4	3	1	1	0		0.5	1	0	3	0	0	031	3	0	1907	6.3	0.02	74	74	25	6	36	10	0.1	525	2.40	4	3.7	1	1	105	2.5	0.4	420	0.2	40	-1.0	-1	16.6
93J02	851054	10	527390	5993620		6	0	SNDS	42	1	3	1	3	1	0		1.5	4	1	0	0	0	220	6	0	2307	7.5	0.09	140	170	42	11	39	20	0.1	955	3.60	2	3.6	1	1	126	9.0	0.8	520	0.1	70	-1.0	-1	9.2
93J02	851055	10	521741	5992367		6	0	SNDS	42	1	3	2	3	1	0		2.5	2	1	0	0	0	310	1	0	2307	7.1	0.02	60	69	16	5	29	12	0.1	675	2.00	2	2.8	1	1	63	4.5	0.4	520	0.2	40	-1.0	-1	5.6
93J02	851056	10	517841	5993105		6	10	BSLT	21	1	3	1	3	1	8		2.0	3	1	0	0	0	030	1	0	2307	8.1	0.14	70	60																				

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J08	851100	10	541884	6017828	6	0		LMSN	12	1	4	2	3	1	1		1.0	6	1	0	0	0	013	6	0	1808	7.3	0.06	230	49	14	5	17	5	0.1	90	1.00	8	12.5	1	1	63	8.5	0.2	300	0.2	15	-1.0	-1	40.0
93J08	851102	10	545866	6016715	1	0		LMSN	12	0	4	2	3	1	8		0.0	0	0	0	0	0	210	6	0	1808	-1.0	-1.00	-1	78	14	8	20	9	0.1	1500	2.10	2	4.1	1	1	77	2.5	0.2	300	0.2	25	-1.0	-1	12.6
93J02	851106	10	505322	5985864	1	0		ANDS	33	0	4	2	3	0	6		0.0	0	0	0	0	0	220	6	0	1908	-1.0	-1.00	-1	73	31	4	36	10	0.1	495	3.00	2	2.3	1	1	56	7.0	0.9	560	0.1	55	-1.0	-1	4.8
93J02	851107	10	509456	5984814	1	0		ANDS	33	0	4	2	3	0	2		0.0	0	0	0	0	0	030	6	0	1908	-1.0	-1.00	-1	51	16	2	29	8	0.1	320	1.70	2	1.9	1	1	35	4.0	0.4	620	0.1	35	-1.0	-1	3.0
93J02	851108	10	507248	6009222	6	0		BSLT	21	1	4	2	3	0	1		1.0	3	0	0	0	0	030	6	0	2108	7.0	0.02	94	99	38	8	52	20	0.1	760	3.30	2	2.6	1	1	84	7.0	0.7	540	0.2	65	-1.0	-1	11.4
93J02	851109	10	504499	6005003	6	0		ANDS	33	1	4	2	3	0	1		0.5	1	0	1	0	0	121	6	0	2108	6.6	0.02	52	93	19	7	33	16	0.1	1110	2.50	2	1.7	1	1	168	4.5	0.4	560	0.1	45	-1.0	-1	7.8
93J02	851111	10	505226	5994795	1	0		ANDS	33	0	4	2	3	0	8		0.0	0	0	0	0	0	121	6	0	2108	-1.0	-1.00	-1	63	20	7	31	7	0.1	270	1.50	2	1.7	1	1	84	2.0	0.4	600	0.2	35	-1.0	-1	10.6
93J02	851112	10	507374	5993581	1	0		ANDS	33	0	4	2	3	0	1		0.0	0	0	0	0	0	013	1	0	2108	-1.0	-1.00	-1	160	28	5	43	18	0.1	2650	2.80	2	1.8	1	1	496	5.0	0.4	480	1.7	45	-1.0	-1	35.0
93J02	851113	10	512079	5989402	6	0		ANDS	33	1	4	2	3	0	2		1.0	4	0	0	0	0	121	6	0	2108	7.6	0.17	120	60	20	8	27	9	0.1	520	1.80	1	2.8	1	1	70	3.5	0.6	660	0.1	40	-1.0	-1	3.6
93J02	851115	10	514774	5988397	6	0		ANDS	33	1	4	2	3	1	2		0.5	3	0	3	0	0	120	6	0	2108	7.6	0.18	120	65	23	5	30	12	0.1	800	2.30	1	2.0	1	1	56	5.0	0.6	620	0.2	45	-1.0	-1	5.4
93J02	851116	10	513802	5997386	6	0		ANDS	33	1	4	2	3	1	8		1.0	2	0	3	0	0	030	6	0	2208	7.3	0.02	68	120	28	5	37	12	0.1	460	2.70	1	3.0	1	1	119	2.0	0.4	480	0.5	50	-1.0	-1	17.8
93J02	851117	10	512687	5998282	1	0		ANDS	33	0	4	2	3	0	6		0.0	0	0	0	0	0	013	1	0	2208	-1.0	-1.00	-1	87	42	5	39	8	0.2	205	2.40	2	6.7	1	1	140	1.5	0.3	320	0.8	28	-1.0	-1	38.0
93J02	851118	10	514088	5991438	6	0		ANDS	33	1	4	1	3	0	6		0.6	2	0	3	0	0	030	6	0	2208	6.0	0.06	48	78	31	11	33	20	0.1	530	3.10	2	2.7	1	1	56	11.0	0.8	480	0.1	70	-1.0	-1	7.0
93J02	851119	10	513926	5992784	6	10		ANDS	33	1	4	1	3	0	6		0.6	3	1	3	0	0	030	6	0	2208	5.8	0.02	56	88	25	4	24	20	0.1	1500	4.40	2	1.0	1	1	102	14.0	0.4	340	0.1	70	-1.0	-1	35.6
93J02	851120	10	263932	5992784	6	20		ANDS	33	1	4	1	3	0	6		0.6	3	1	3	0	0	030	6	0	2208	6.2	0.10	86	150	34	9	35	35	0.1	2350	6.80	4	2.0	1	1	102	23.0	0.7	400	0.2	90	-1.0	-1	17.0
93J02	851122	10	517513	5991087	6	0		ANDS	33	1	4	1	3	0	6		1.5	4	0	3	0	0	030	6	0	2208	7.4	0.12	120	100	33	9	35	16	0.1	980	2.80	2	2.7	1	1	105	8.0	0.7	620	0.5	65	-1.0	-1	10.4
93J02	851123	10	517412	5991379	6	0		ANDS	33	1	4	1	3	1	8		1.5	8	1	1	0	0	121	1	0	2208	7.1	0.08	94	60	14	5	25	9	0.1	330	1.80	2	2.9	1	1	63	4.0	0.5	700	0.2	45	-1.0	-1	5.6
93J02	851124	10	519920	5986141	6	0		ANDS	33	1	4	2	3	0	6		0.6	2	1	0	0	0	030	6	0	2208	7.7	0.21	130	69	6	1	25	9	0.1	1400	2.10	2	2.3	1	1	91	8.0	0.4	680	0.1	35	-1.0	-1	6.0
93J02	851125	10	516870	5983648	6	0		ANDS	33	1	4	1	3	1	6		1.0	4	2	0	0	0	030	1	0	2208	8.0	1.50	140	61	6	1	22	8	0.1	6500	2.30	4	3.6	1	2	35	20.5	0.5	980	0.2	38	-1.0	-1	6.6
93J02	851126	10	519845	5983684	6	0		ANDS	33	1	4	2	3	1	6		0.6	2	1	0	0	0	121	6	0	2208	8.2	1.40	190	59	22	4	39	16	0.1	685	2.10	2	2.3	1	1	70	3.5	0.5	720	0.1	40	-1.0	-1	3.4
93J02	851127	10	523083	5987662	1	0		SNDS	42	0	4	2	3	1	1		0.0	0	0	0	0	0	021	6	0	2208	-1.0	-1.00	-1	99	29	6	37	14	0.1	1300	3.00	2	2.4	1	2	105	5.5	0.5	600	0.6	53	-1.0	-1	11.2
93J02	851128	10	529012	5989525	6	0		SNDS	42	1	4	2	3	1	1		0.5	3	1	0	3	0	120	6	0	2308	8.0	0.75	88	52	23	6	28	9	0.1	380	2.00	2	3.2	1	1	63	4.0	0.3	580	0.1	30	-1.0	-1	2.8
93J02	851129	10	526962	5986028	6	0		SNDS	42	1	4	2	3	1	1		0.2	1	1	0	3	0	120	6	0	2308	7.2	0.10	60	57	31	5	37	10	0.1	245	1.80	1	2.2	1	1	77	3.0	0.6	660	0.2	45	-1.0	-1	2.4
93J10	851130	10	513291	6057855	6	0		BSLT	21	1	4	1	4	1	1		2.0	10	1	0	3	0	030	6	0	2408	7.5	0.29	62	84	45	7	42	9	0.1	210	1.40	2	2.3	1	1	245	3.0	0.1	320	1.7	20	-1.0	-1	31.6
93J10	851131	10	512311	6059316	1	0		BSLT	21	0	4	2	4	1	0		0.0	0	0	0	0	0	220	6	0	2408	-1.0	-1.00	-1	52	33	3	35	12	0.1	360	2.60	2	2.6	1	1	105	3.0	0.3	560	0.1	53	-1.0	-1	12.4
93J10	851132	10	512033	6060008	1	0		BSLT	21	0	4	2	4	1	0		0.0	0	0	0	0	0	220	2	0	2408	-1.0	-1.00	-1	42	31	2	28	11	0.1	380	2.00	2	1.6	1	1	49	3.0	0.5	480	0.1	48	-1.0	-1	5.4
93J10	851133	10	513808	6056077	6	0		BSLT	21	1	4	2	4	0	0		3.0	10	1	1	3	0	013	1	0	2408	7.0	0.02	66	87	24	3	35	10	0.1	420	2.60	2	2.4	1	1	189	23.5	0.4	620	1.0	35	-1.0	-1	28.2
93J15	851134	10	501520	6084301	6	0		BSLT	21	1	4	2	3	0	0		0.5	1	1	0	0	0	310	6	0	2408	7.6	0.50	56	47	23	2	28	9	0.1	335	1.80	2	2.5	1	1	56	3.0	0.3	600	0.1	45	-1.0	-1	4.6
93J15	851135	10	504978	6078306	6	10		BSLT	21	1	4	1	3	1	0		0.3	1	1	0	0	0	121	6	0	2408	7.6	0.30	52	27	6	1	16	5	0.1	95	0.70	2	4.7	9	1	63	1.0	0.1	420	0.1	20	-1.0	-1	2.8
93J15	851136	10	504978	6078306	6	20		BSLT	21	1	4	1	3	1	0		0.3	1	1	0	0	0	121	6	0	2408	7.5	0.22	54	25	7	1	16	4	0.1	105	0.80	1	4.5	5	1	38	0.5	0.1	420	0.1	20	-1.0	-1	2.8
93J15	851138	10	503375	6082592	1	0		BSLT	21	0	4	2	3	0	0		0.0	0	0	0	0	0	220	6	0	2408	-1.0	-1.00	-1	39	28	6	24	5	0.1	155	1.00	2	3.3	1	1	108	1.5	0.3	580	0.2	35	-1.0	-1	19.4
93J15	851139	10	504532	6080433	1	0		BSLT	21	0	4	2	3	0	0		0.0	0	0	0	0	0	021	6	0	2408	-1.0	-1.00	-1	49	18	1	28	9	0.1	270	1.70	2	2.0	1	1	61	0.5	0.1	580	0.1	40	-1.0	-1	3.8
93J09	851147	10	558368	6050103	6	0		TILL	44	1	4	1	3	1	1		1.5	4	1	0	0	0	030	6	0	2808	7.6	0.1																						

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J09	851222	10	543088	6054486	6	0		SMRK	4	1	3	1	3	1	8		2.5	2	2	0	0	0	310	1	0	0507	8.1	0.16	28	53	13	9	22	9	0.1	375	2.20	1	3.3	1	1	25	3.2	0.3	460	0.1	15	-1.0	-1	5.2
93J10	851223	10	521997	6055635	6	0		LMSN	13	1	4	2	3	0	1		1.0	4	0	0	0	0	320	2	0	0607	8.0	0.30	42	60	24	7	34	12	0.1	815	1.80	1	3.2	1	1	58	5.2	0.7	700	0.4	33	-1.0	-1	5.2
93J10	851224	10	522766	6056618	1	0		LMSN	13	0	4	2	3	0	1		0.0	0	0	0	0	0	320	2	0	0607	-1.0	-1.00	-1	44	16	4	27	10	0.1	445	1.60	1	2.3	1	1	29	3.2	0.4	620	0.2	28	-1.0	-1	3.0
93J10	851225	10	523665	6061702	6	0		LMSN	16	1	4	1	3	0	0		0.8	1	1	0	0	0	310	2	0	0607	8.2	0.33	42	35	12	5	22	4	0.1	265	1.20	2	4.2	1	2	42	2.4	0.6	1040	0.2	23	-1.0	-1	6.4
93J10	851226	10	524932	6063745	6	0		LMSN	13	1	3	2	3	1	0		1.0	1	1	0	0	0	310	2	0	0607	8.3	0.30	46	62	11	7	19	6	0.1	395	1.40	2	3.3	1	1	29	3.2	0.5	380	0.5	13	-1.0	-1	5.4
93J10	851227	10	524931	6063244	6	0		LMSN	13	1	3	1	3	1	1		1.5	3	2	0	0	0	220	1	0	0607	8.0	0.14	44	63	12	8	21	6	0.1	500	1.60	2	2.6	1	1	25	3.2	0.4	400	0.6	13	-1.0	-1	5.8
93J15	851229	10	524615	6067262	6	0		LMSN	13	1	3	1	3	1	1		2.5	4	2	0	0	0	310	2	0	0607	7.9	0.20	46	61	15	9	22	7	0.1	200	1.30	2	3.4	3	1	58	2.4	0.5	860	0.4	20	-1.0	-1	11.4
93J15	851230	10	526496	6068715	1	0		LMSN	13	0	4	2	3	0	0		0.0	0	0	0	0	0	310	2	0	0607	-1.0	-1.00	-1	46	15	7	19	8	0.1	480	2.00	1	2.3	1	1	25	3.6	0.3	340	0.2	20	-1.0	-1	7.2
93J15	851231	10	530789	6067639	6	0		TILL	44	1	3	1	3	1	0		3.0	2	2	0	0	0	130	2	0	0607	8.1	0.11	38	37	10	5	14	6	0.1	555	1.50	1	2.2	1	1	25	2.8	0.2	360	0.1	13	-1.0	-1	6.4
93J15	851232	10	529311	6071157	6	0		TILL	44	1	3	2	3	1	0		2.0	2	1	0	0	0	130	2	0	0607	8.3	0.18	32	65	27	13	29	14	0.1	575	3.10	2	2.6	1	1	46	5.6	0.4	420	0.1	25	-1.0	-1	5.2
93J15	851233	10	528256	6072967	1	0		TILL	44	0	3	2	3	0	0		0.0	0	0	0	0	0	310	1	1	0607	-1.0	-1.00	-1	68	20	13	21	12	0.1	520	2.80	1	5.5	1	1	33	5.6	0.2	320	0.1	15	-1.0	-1	4.4
93J16	851234	10	534608	6067650	6	10		TILL	44	1	3	1	3	1	8		3.5	2	2	0	1	0	310	2	1	0707	7.9	0.12	26	63	15	11	25	13	0.1	1700	3.00	1	3.3	1	1	33	4.8	0.3	360	0.1	20	-1.0	-1	7.4
93J16	851235	10	534608	6067650	6	20		TILL	44	1	3	1	3	1	8		3.5	2	2	0	1	0	310	2	1	0707	7.9	0.14	28	67	16	13	27	14	0.1	1600	2.90	2	3.3	1	2	41	5.6	0.3	340	0.1	20	-1.0	-1	7.2
93J16	851236	10	532891	6072221	6	0		TILL	44	1	3	1	1	1	1		1.5	3	1	0	0	0	220	2	0	0707	7.8	0.15	34	69	13	6	16	7	0.1	290	2.00	1	3.0	1	1	58	4.0	0.1	260	0.1	15	-1.0	-1	11.2
93J16	851237	10	533725	6079514	6	0		SMRK	4	1	3	1	3	1	0		4.0	15	2	0	3	0	220	2	0	0707	7.3	0.05	30	45	17	6	21	11	0.1	240	2.10	1	5.4	1	1	91	3.2	0.1	220	0.1	10	-1.0	-1	2.4
93J15	851238	10	519593	6090162	6	0		TILL	44	1	4	2	1	0	1		1.0	1	0	1	0	0	310	1	0	0707	7.5	0.02	32	89	17	9	23	14	0.1	1750	3.00	2	3.3	1	1	46	4.4	0.2	340	0.1	23	-1.0	-1	7.2
93J15	851239	10	519893	6091031	6	0		TILL	44	1	4	2	1	0	1		1.0	1	0	1	0	0	320	2	1	0707	6.8	0.06	40	61	18	9	26	15	0.1	1550	2.60	1	3.4	1	1	58	3.6	0.2	320	0.1	20	-1.0	-1	6.4
93J15	851240	10	517170	6093343	1	0		TILL	44	0	4	2	3	0	0		0.0	0	0	0	0	0	130	2	0	0707	-1.0	-1.00	-1	94	21	9	27	20	0.1	4150	3.50	2	3.1	1	1	79	4.4	0.2	380	0.1	23	-1.0	-1	10.6
93J15	851242	10	525266	6084407	6	0		TILL	44	1	4	2	3	0	1		1.0	2	0	1	0	0	131	3	1	0707	6.9	0.02	28	63	10	5	18	6	0.1	160	1.50	2	3.7	1	1	158	0.5	0.1	340	0.1	13	-1.0	-1	17.8
93J10	851243	10	519563	6053433	6	0		LMSN	16	1	3	1	3	1	1		4.5	20	1	0	0	0	210	6	0	0807	7.9	0.21	44	47	11	3	25	7	0.1	310	1.30	2	2.0	1	1	83	2.4	0.3	320	0.2	20	-1.0	-1	3.0
93J10	851244	10	520292	6050329	6	0		LMSN	16	0	4	2	3	0	1		1.0	1	1	1	0	0	210	6	1	0807	7.7	0.08	42	170	19	9	40	17	0.1	4800	3.60	2	4.7	1	1	116	6.8	0.9	740	1.2	38	-1.0	-1	11.8
93J10	851245	10	521123	6047256	6	0		LMSN	16	0	4	2	3	1	1		0.5	1	1	0	0	0	310	1	1	0807	8.1	0.11	48	79	13	7	24	17	0.1	4200	3.00	2	2.7	1	1	54	6.4	0.6	760	0.3	28	-1.0	-1	6.4
93J10	851246	10	528236	6044598	6	0		LMSN	16	1	4	2	1	0	8		0.4	1	1	0	0	0	120	6	1	0807	8.2	0.02	38	57	25	9	40	13	0.1	805	2.60	1	3.2	1	1	915	5.6	0.8	700	0.1	40	-1.0	-1	5.0
93J10	851247	10	526867	6042092	6	0		LMSN	16	0	3	1	1	0	8		1.5	2	0	1	0	0	120	2	1	0807	8.0	0.02	38	79	24	10	40	11	0.1	365	2.20	1	3.0	3	1	108	3.2	0.6	600	0.3	35	-1.0	-1	7.8
93J10	851248	10	529709	6042300	1	0		LMSN	16	0	4	2	3	0	1		0.0	0	0	0	0	0	210	2	0	0807	-1.0	-1.00	-1	120	12	6	20	7	0.1	670	1.90	1	3.1	3	1	83	4.0	0.6	380	0.2	20	-1.0	-1	7.4
93J10	851249	10	528375	6050622	6	0		LMSN	13	1	3	2	3	1	1		2.0	3	2	0	0	0	210	2	1	0807	8.0	0.15	50	50	9	6	17	7	0.1	420	1.30	1	3.0	1	1	75	2.4	0.2	700	0.2	18	-1.0	-1	3.8
93J10	851250	10	522954	6045801	6	0		LMSN	16	1	4	1	3	1	0		1.0	2	2	0	0	0	120	2	0	0907	8.1	0.20	62	48	11	9	16	8	0.1	425	1.80	1	2.7	1	1	54	2.8	0.2	300	0.2	15	-1.0	-1	8.6
93J10	851251	10	525835	6040093	1	0		LMSN	13	0	3	2	3	1	1		0.0	0	0	0	0	0	210	2	0	1107	-1.0	-1.00	-1	52	26	5	41	22	0.1	860	4.20	1	3.0	1	1	249	6.4	1.6	700	0.1	20	-1.0	-1	7.6
93J07	851252	10	526221	6027461	1	0		GRNG	50	0	4	3	3	0	0		0.0	0	0	0	0	0	120	1	0	1107	-1.0	-1.00	-1	65	14	5	27	10	0.1	760	2.20	1	3.1	1	1	42	2.8	0.2	340	0.1	30	-1.0	-1	6.8
93J07	851254	10	523498	6036013	6	0		GRNG	50	1	4	1	1	0	0		1.0	10	1	0	0	0	121	2	1	1107	7.2	0.02	38	56	22	17	28	5	0.1	235	1.50	2	1.7	1	1	106	2.4	0.3	400	0.1	30	-1.0	-1	9.4
93J07	851255	10	530683	6034422	6	0		LMSN	12	1	4	3	3	1	0		0.1	1	0	1	0	0	220	2	0	1107	6.8	0.05	28	48	13	5	19	9	0.1	520	1.80	2	3.1	1	1	50	2.4	0.2	320	0.1	20	-1.0	-1	5.6
93J07	851256	10	516770	6037185	6	0		BSLT	21	1	3	1	3	1	1		3.5	2	2	0	0	0	210	2	0	1207	7.9	0.07	50	50	13	3	38	9	0.1	480	1.70	2	3.0	1	1	141	2.4	0.2	740	0.2	38	-1.0	-1	3.4
93J07	851257	10	520497	6029349	6	10		BSLT	21	1	3	1	3	1	0		2.0	10	0	0	0	0	121	3	0	1207	7.8	0.21	52	90	13																			

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J01	851316	10	534979	6004178	1	0		QZMZ	36	0	4	2	3	0	0		0.0	0	0	0	0	0	120	6	0	2907	-1.0	-1.00	-1	77	24	11	22	8	0.1	260	2.40	1	1.8	1	1	126	2.8	0.5	420	0.1	43	-1.0	-1	25.0
93J01	851317	10	535804	5989097	6	0		BSLT	21	1	4	0	3	1	0		3.0	2	0	1	0	0	121	6	0	2907	6.0	0.08	76	140	42	10	42	24	0.1	1350	4.20	1	2.7	1	1	90	6.4	0.9	540	0.1	23	-1.0	-1	14.4
93J01	851318	10	543933	5999272	6	0		QZMZ	42	0	4	1	3	0	0		2.3	1	2	0	0	0	210	2	0	2907	7.5	210	150	91	17	8	54	11	0.1	4650	2.50	6	10.7	1	1	72	9.6	0.6	720	0.6	43	-1.0	-1	10.4
93J01	851319	10	560381	5985634	6	0		QZMZ	42	1	4	1	3	1	0		2.0	2	0	1	3	0	030	6	0	3107	7.4	0.11	42	57	18	5	29	11	0.1	390	2.00	1	3.7	1	1	41	3.6	0.5	580	0.1	30	-1.0	-1	2.0
93J01	851320	10	561868	5986979	6	0		GRNG	50	1	4	1	3	1	0		1.0	3	1	0	0	0	120	6	0	3107	7.4	0.18	56	63	22	7	32	11	0.1	490	2.20	2	3.1	1	1	77	4.4	0.6	600	0.1	30	-1.0	-1	3.4
93J01	851322	10	563438	5988616	6	0		TILL	44	1	4	1	3	0	0		1.0	3	1	0	0	0	120	6	0	3107	7.4	0.16	42	62	22	6	30	10	0.1	365	2.20	1	3.9	1	1	63	4.0	0.5	560	0.1	30	-1.0	-1	2.6
93J01	851323	10	565410	5988100	1	0		TILL	44	0	3	2	3	0	0		0.0	0	0	0	0	0	021	6	0	3107	-1.0	-1.00	-1	55	18	4	28	9	0.1	370	1.90	2	4.7	1	1	36	3.6	0.5	580	0.2	28	-1.0	-1	2.4
93J01	851324	10	533668	5995584	6	0		SNDS	42	1	3	1	3	1	0		3.5	1	2	0	0	0	120	6	0	0108	5.0	0.02	130	89	49	8	66	21	0.1	1050	3.50	2	2.9	1	1	117	7.2	1.0	740	0.2	63	-1.0	-1	8.6
93J01	851325	10	533522	5995940	6	0		SNDS	42	1	4	1	3	1	0		2.0	3	1	0	0	0	210	6	0	1608	7.8	3.70	130	76	35	6	52	18	0.1	870	2.90	1	2.7	1	1	54	5.6	0.8	680	0.2	55	-1.0	-1	5.4
93J08	851328	10	533174	6021191	1	0		GRNG	50	0	4	2	3	1	0		0.0	0	0	0	3	0	120	1	0	1708	-1.0	-1.00	-1	32	13	6	28	8	0.1	485	1.60	1	2.5	3	1	27	3.2	0.2	340	0.2	25	-1.0	-1	2.2
93J08	851329	10	543554	6024829	6	0		LMSN	12	1	4	1	3	0	0		2.0	1	0	0	0	0	121	6	0	1708	7.6	0.02	28	44	13	5	20	8	0.1	455	1.80	1	2.8	1	1	45	3.2	0.3	480	0.1	23	-1.0	-1	3.0
93J08	851330	10	538487	6022655	6	0		LMSN	12	1	4	1	3	1	0		1.5	1	1	0	0	0	210	2	0	1708	7.2	0.06	24	36	7	3	13	6	0.1	320	0.90	1	2.4	1	1	35	0.8	0.1	260	0.2	10	-1.0	-1	4.8
93J07	851331	10	523446	6019813	6	0		BSLT	21	1	3	2	3	1	0		1.0	1	0	0	0	0	012	3	0	1708	7.1	0.02	32	150	23	24	36	13	0.1	1550	1.50	1	2.0	1	1	193	1.6	0.2	480	1.2	25	-1.0	-1	52.6
93J01	851332	10	555679	6010311	6	0		LMSN	12	1	4	1	3	1	0		3.5	2	1	0	0	0	210	6	0	1808	8.0	0.08	34	60	20	7	27	12	0.1	680	2.20	1	3.1	3	1	39	5.6	0.4	440	0.1	30	-1.0	-1	7.4
93J08	851334	10	553082	6015029	6	0		LMSN	13	1	4	1	3	1	0		1.0	1	1	0	0	0	120	6	0	1808	7.1	0.02	22	85	25	9	35	14	0.1	740	3.20	2	3.2	3	1	56	4.0	0.5	520	0.1	45	-1.0	-1	9.8
93J08	851335	10	559444	6014847	6	0		LMSN	16	1	4	2	3	1	0		2.0	1	0	0	0	0	121	1	0	1808	7.6	0.02	28	36	8	4	12	7	0.1	615	1.80	2	2.5	1	1	42	2.4	0.2	300	0.1	15	-1.0	-1	8.4
93J01	851336	10	550617	6010510	6	10		LMSN	12	1	4	2	3	1	0		1.0	2	1	1	0	0	210	2	0	1808	7.8	0.09	20	39	12	7	20	8	0.1	505	2.00	1	2.3	3	1	21	35.2	0.2	280	0.1	20	-1.0	-1	3.2
93J01	851337	10	550617	6010510	6	20		LMSN	12	1	4	2	3	1	0		1.0	2	1	1	0	0	210	2	0	1808	7.5	0.06	20	40	12	8	20	9	0.1	540	2.00	1	2.6	2	1	25	3.2	0.3	280	0.1	18	-1.0	-1	3.6
93J10	851338	10	519686	6042566	1	0		BSLT	21	0	4	2	3	1	1		0.0	0	0	0	0	0	030	6	0	2008	-1.0	-1.00	-1	31	12	4	20	5	0.1	240	1.20	1	2.7	1	1	14	1.6	0.3	340	0.1	20	-1.0	-1	1.0
93J10	851339	10	523177	6043345	1	0		GRNG	50	0	4	2	3	1	1		0.0	0	0	0	0	0	120	6	1	2008	-1.0	-1.00	-1	32	12	4	28	7	0.1	410	1.40	1	2.5	1	1	28	2.8	0.3	400	0.1	20	-1.0	-1	2.4
93J10	851340	10	514668	6042594	6	0		BSLT	21	1	4	2	3	1	1		0.0	0	1	3	0	0	021	6	0	2008	5.9	0.02	42	97	31	7	76	16	0.1	880	2.90	1	2.9	3	1	105	4.0	0.6	680	0.8	50	-1.0	-1	12.6
93J10	851342	10	512485	6054625	1	0		BSLT	21	0	4	2	3	1	0		0.0	0	0	0	0	0	030	1	0	2008	-1.0	-1.00	-1	85	42	7	66	15	0.4	885	3.10	2	4.1	3	1	105	9.6	0.7	720	0.5	68	-1.0	-1	16.4
93J10	851343	10	513147	6052441	6	0		BSLT	21	1	4	2	3	0	8		1.0	1	0	1	0	0	210	1	0	2008	6.6	0.02	30	55	19	3	65	11	0.1	410	2.00	2	1.5	1	1	28	4.4	0.6	660	0.2	48	-1.0	-1	2.2
93J02	851344	10	503876	6004787	6	0		MSDM	11	1	4	2	3	1	8		1.0	1	0	1	0	0	111	3	0	2008	7.5	0.14	44	65	23	2	56	11	0.1	700	2.10	1	2.0	1	1	112	4.0	0.5	720	2.2	45	-1.0	-1	3.6
93J02	851345	10	503766	6006761	6	0		ANDS	33	1	4	2	3	0	0		0.5	1	0	3	0	0	030	1	0	2108	6.6	0.02	42	58	18	2	46	9	0.1	280	2.00	2	1.5	1	1	53	3.2	0.4	720	0.2	38	-1.0	-1	3.8
93J02	851346	10	506111	6008804	1	0		BSLT	21	0	4	2	3	1	0		0.0	0	0	0	0	0	121	1	0	2108	-1.0	-1.00	-1	39	32	8	53	24	0.1	1950	3.40	2	3.2	1	1	88	6.4	0.7	620	0.4	70	-1.0	-1	13.0
93J07	851353	10	500894	6032459	1	0		ANDS	33	0	4	2	3	1	0		0.0	0	0	0	0	0	210	2	0	2908	-1.0	-1.00	-1	159	16	3	43	11	0.1	850	1.80	1	5.6	4	1	105	3.2	0.4	800	0.6	45	-1.0	-1	7.6
93J07	851355	10	503456	6035250	6	0		GRNG	50	1	4	2	3	1	0		1.0	3	0	1	0	0	210	6	0	2908	6.3	0.02	40	53	26	4	59	10	0.1	385	1.70	2	2.0	1	1	91	4.8	0.7	760	0.1	38	-1.0	-1	2.4
93J10	851358	10	507503	6056462	1	0		BSLT	21	0	4	2	3	0	0		0.0	0	0	0	3	0	210	6	0	2908	-1.0	-1.00	-1	110	32	11	57	14	0.1	485	2.70	2	2.5	3	2	112	8.8	0.7	680	0.3	65	-1.0	-1	5.8
93J07	851359	10	512794	6028751	6	10		GRNG	50	3	3	1	3	1	0		2.0	3	2	0	3	0	210	2	0	3108	7.5	0.30	52	69	19	3	60	10	0.1	495	2.00	1	4.7	3	1	98	4.0	0.6	660	0.2	48	-1.0	-1	5.2
93J07	851360	10	512794	6028751	6	20		GRNG	50	3	3	1	3	1	0		2.0	3	2	0	3	0	210	2	0	3108	7.6	0.32	50	70	18	3	62	11	0.1	465	2.00	1	3.1	2	1	224	4.0	0.5	700	0.2	43	-1.0	-1	4.4
93J07	851362	10	530422	6015588	1	0		GRNG	50	4	4	2	3	1	0		0.0	0	0	0	0	0	031	3	0	3008	-1.0	-1.00	-1	49	11	6	23	6	0.1	325	1.40	1	2.2	1	1	98	0.5	0.2	400	0.2	20	-1.0	-1	18.6
93J07	851363	10	530094	6016140	1	0		GRNG	50	0	4	2	3	1	0		0.0	0	0	0	0	0	121	6	0	3008	-1.0	-1.00	-1	34																				

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI		
93J15	851443	10	505053	6084267		6	0	LMSN	16	1	3	1	3	1	8		0.8	2	2	0	0	0	220	1	0	1207	8.1	0.67	62	60	23	7	32	11	0.1	685	2.60	2	2.4	1	1	80	9.0	0.4	640	0.4	35	-1.0	-1	6.8	
93J07	851444	10	510335	6033278		6	0	GRNG	50	1	3	1	3	1	8		2.0	2	2	0	0	0	220	1	1	1307	7.3	0.14	44	65	17	4	35	11	0.1	730	1.90	2	5.3	1	1	65	1.8	0.3	940	0.4	38	-1.0	-1	5.2	
93J07	851445	10	512644	6032941		1	0	GRNG	50	0	4	2	3	1	8		0.0	0	0	0	0	0	212	1	1	1307	-1.0	-1.00	-1	130	24	6	68	15	0.2	1650	3.20	2	4.4	1	1	135	4.5	0.3	660	1.0	53	-1.0	-1	14.6	
93J07	851446	10	514355	6035225		1	0	BSLT	21	0	4	2	3	1	8		0.0	0	0	0	0	0	022	1	1	1307	-1.0	-1.00	-1	30	30	4	43	4	0.2	110	1.20	2	1.9	1	1	230	1.8	0.3	320	0.6	25	-1.0	-1	59.8	
93J07	851447	10	517767	6034461		1	0	BSLT	21	0	4	2	3	1	0		0.0	0	0	0	0	0	310	1	1	1307	-1.0	-1.00	-1	79	17	4	47	16	0.1	2000	3.50	2	2.2	1	1	75	8.1	0.3	600	0.2	55	-1.0	-1	8.6	
93J07	851448	10	522925	6028675		6	0	BSLT	21	0	4	3	3	1	8		0.0	0	1	0	0	0	112	3	1	1307	7.4	0.05	44	82	32	7	46	8	0.1	1750	3.50	2	7.2	1	1	250	14.4	0.4	600	0.8	43	-1.0	-1	41.4	
93J07	851449	10	522664	6025152		6	0	BSLT	21	1	4	4	3	3	1	8		1.0	3	0	0	0	0	013	3	1	1307	6.8	0.02	50	38	10	7	15	4	0.2	430	0.70	2	0.7	1	1	125	0.5	0.1	340	0.2	18	-1.0	-1	47.4
93J07	851450	10	521772	6022969		6	0	BSLT	21	1	4	0	3	3	1	8		1.0	2	0	0	0	0	113	3	1	1307	7.3	0.02	40	49	30	7	46	8	0.2	420	1.50	2	3.5	1	1	215	1.8	0.3	520	0.8	35	-1.0	-1	38.0
93J07	851451	10	521427	6018742		6	0	BSLT	42	1	3	2	3	1	8		2.0	2	1	0	0	0	013	3	0	1307	7.1	0.02	34	79	15	4	37	13	0.1	2050	3.50	2	2.4	1	1	180	5.8	0.2	580	0.4	45	-1.0	-1	18.6	
93J07	851452	10	518987	6020254		1	0	BSLT	42	0	3	2	3	1	8		1.5	0	0	0	0	0	310	1	1	1307	-1.0	-1.00	-1	68	22	4	44	12	0.2	1800	2.80	1	2.1	1	1	75	3.6	0.3	500	0.2	50	-1.0	-1	7.8	
93J07	851453	10	517064	6019519		6	0	BSLT	42	1	4	1	1	1	0		4.0	15	1	0	7	0	031	6	0	1307	7.6	0.02	46	49	11	4	30	6	0.1	155	1.40	1	4.8	1	1	105	0.5	0.1	700	0.1	35	-1.0	-1	3.8	
93J01	851454	10	562726	6006257		6	0	LMSN	12	1	3	1	3	0	8		3.0	2	1	0	0	0	130	1	0	1407	7.9	0.16	48	68	17	6	27	10	0.1	770	2.00	2	3.4	1	1	65	4.1	0.3	620	0.2	40	-1.0	-1	7.0	
93J01	851456	10	542911	6011169		6	0	GRNG	50	1	3	1	3	1	8		2.0	3	1	0	1	1	220	8	1	1407	8.0	0.08	36	50	16	8	24	9	0.1	360	2.30	1	2.9	7	1	70	5.4	0.3	340	0.1	25	-1.0	-1	2.2	
93J08	851457	10	541569	6012458		6	0	GRNG	50	1	4	2	3	0	1		2.0	1	1	0	0	0	220	1	1	1407	7.3	0.02	54	41	15	9	22	9	0.1	580	1.90	1	4.3	1	1	35	3.6	0.3	320	0.1	25	-1.0	-1	4.6	
93J08	851458	10	540160	6012338		1	0	GRNG	50	0	3	2	3	0	0		0.0	0	0	0	0	0	320	8	0	1407	-1.0	-1.00	-1	48	20	4	30	11	0.1	425	1.80	1	3.0	3	1	33	2.7	0.3	520	0.1	35	-1.0	-1	2.0	
93J01	851459	10	537835	6011032		6	10	GRNG	50	1	3	1	3	1	2		4.5	3	2	0	0	0	220	8	0	1407	7.9	0.37	48	42	13	5	25	8	0.1	560	1.70	1	2.7	1	1	35	2.7	0.1	360	0.1	20	-1.0	-1	2.4	
93J01	851460	10	537835	6011032		6	20	GRNG	50	1	3	1	3	1	2		4.5	3	2	0	0	0	220	8	0	1407	8.0	0.36	48	40	13	5	24	9	0.1	525	1.70	1	2.8	1	1	30	2.7	0.2	300	0.1	20	-1.0	-1	1.8	
93J07	851462	10	515738	6016657		6	0	BSLT	42	1	3	1	3	1	0		2.0	6	2	0	0	0	031	3	0	1507	7.2	0.02	40	79	16	3	46	12	0.1	2100	2.60	2	2.4	1	1	130	9.0	0.3	520	0.2	38	-1.0	-1	16.4	
93J07	851463	10	514855	6015876		6	0	BSLT	42	1	4	2	3	1	9		3.5	4	0	1	0	0	031	6	0	1507	6.7	0.02	40	82	25	4	32	12	0.1	1150	2.40	1	1.8	1	1	60	3.6	0.3	540	0.6	45	-1.0	-1	7.2	
93J02	851464	10	527010	6000197		1	0	SNDS	42	0	4	2	3	1	6		0.0	0	0	0	0	0	031	1	0	1607	-1.0	-1.00	-1	140	30	9	36	22	0.1	2100	3.60	2	2.5	1	1	60	7.2	0.4	560	0.6	63	-1.0	-1	11.6	
93J07	851465	10	515017	6011357		6	0	ANDS	33	1	3	1	3	1	2		1.2	2	1	0	0	0	030	6	0	1607	7.2	0.02	46	95	49	7	47	19	0.1	785	3.90	1	2.8	1	1	100	7.2	0.7	600	0.1	65	-1.0	-1	6.0	
93J02	851466	10	515185	6009916		6	0	ANDS	33	1	3	1	3	1	1		3.0	2	1	1	0	0	022	1	0	1607	7.0	0.02	36	65	22	6	26	5	0.1	430	0.90	1	1.0	1	1	230	0.5	0.1	360	1.2	18	-1.0	-1	64.0	
93J02	851467	10	519261	6008434		6	0	ANDS	33	1	4	2	3	1	1		2.0	2	0	1	0	0	022	1	0	1607	6.7	0.11	34	58	13	6	28	6	0.1	410	1.20	1	1.5	1	1	100	0.5	0.1	320	0.6	33	-1.0	-1	21.4	
93J01	851468	10	562566	6009037		6	0	LMSN	13	1	3	1	3	1	8		3.0	3	2	0	0	0	220	1	0	1807	8.1	0.05	42	63	9	6	20	6	0.1	535	1.70	1	2.8	1	1	50	3.1	0.2	420	0.2	20	-1.0	-1	6.8	
93J01	851469	10	560072	6008696		6	0	LMSN	12	1	3	1	3	1	8		1.0	3	2	0	0	0	030	1	0	1807	8.0	0.18	46	84	26	7	36	15	0.1	1400	3.00	1	3.0	1	2	70	7.2	0.3	560	0.2	45	-1.0	-1	6.8	
93J01	851470	10	553169	6007849		6	10	LMSN	12	1	3	1	3	1	0		0.0	0	2	0	0	0	130	1	0	1807	7.9	0.17	46	50	11	6	21	9	0.1	435	2.10	2	3.3	1	1	40	2.2	0.1	300	0.1	23	-1.0	-1	3.0	
93J01	851471	10	553169	6007849		6	20	LMSN	12	1	3	1	3	1	0		0.0	0	2	0	0	0	130	1	0	1807	8.1	0.16	44	46	10	5	19	7	0.1	385	1.90	1	2.8	1	1	50	2.2	0.1	340	0.1	18	-1.0	-1	3.0	
93J01	851472	10	549627	6006950		6	0	TILL	44	1	3	1	3	1	0		1.5	2	1	0	0	0	030	6	0	1807	8.1	0.24	42	80	25	11	34	13	0.1	655	3.10	1	3.7	3	1	100	4.9	0.3	560	0.1	30	-1.0	-1	5.0	
93J08	851474	10	535667	6014791		6	0	GRNG	50	1	3	1	3	1	0		1.5	1	2	0	0	0	310	1	0	1807	7.0	0.02	42	43	13	5	23	8	0.1	500	1.70	1	2.8	3	1	30	2.7	0.2	260	0.2	20	-1.0	-1	2.0	
93J08	851475	10	534590	6015522		6	0	GRNG	50	1	3	1	3	1	0		2.0	1	2	0	0	0	030	1	0	1807	6.9	0.05	40	44	11	6	18	8	0.1	645	1.60	1	2.7	5	1	35	1.4	0.2	280	0.2	18	-1.0	-1	3.0	
93J08	851476	10	535337	6017610		6	0	GRNG	50	1	3	1	3	1	0		1.5	1	2	0	0	0	310	1	0	1807	6.8	0.02	38	64	18	9	29	13	0.1	1680	2.40	1	3.0	4	1	55	3.1	0.2	380	0.2	25	-1.0	-1	5.2	
93J08	851477	10	537186	6012867		6	0	GRNG	50	1	4	2	3	1	0		1.0	2	0	0	0	0	310	1	0	1807	6.6	0.05	30	49	12	6	19	10	0.1	680	1.80	1	2.6	3	1	40	1.8	0.1	280	0.2	18	-1.0	-1	3.4	
93J08	851478	10	534025	6012114		6	0	GRNG	50	1	4	2	3	1	0		1.0	2	0	1	0	0	130	6	0	1807	5.6	0.06</																							

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J01	851567	10	558250	5995303		1	0	TILL	44	0	4	2	3	0	0	0.0	0	0	0	0	0	210	6	0	2907	-1.0	-1.00	-1	55	12	2	25	8	0.1	250	1.60	1	1.9	1	1	36	2.7	0.3	660	0.2	35	-1.0	-1	2.6
93J01	851568	10	549383	6005833		6	0	TILL	44	1	3	1	3	1	0	3.5	3	2	3	0	0	030	1	0	3007	7.5	0.30	74	65	20	5	32	12	0.2	595	2.20	1	3.0	1	1	60	4.5	0.5	640	0.1	35	-1.0	-1	3.2
93J01	851569	10	544005	6009594		6	0	GRNG	50	1	3	1	3	1	0	3.0	3	1	3	0	0	030	6	0	3007	7.6	0.28	26	47	20	6	24	10	0.1	355	1.90	1	3.2	1	1	36	4.1	0.3	360	0.1	18	-1.0	-1	1.0
93J01	851570	10	538621	6010549		6	0	GRNG	50	1	4	1	3	1	0	1.0	1	1	0	0	0	030	6	0	3007	7.6	0.15	38	44	19	6	24	9	0.1	320	2.00	1	3.8	1	1	42	3.6	0.3	400	0.1	18	-1.0	-1	2.4
93J01	851571	10	535991	6008812		6	0	GRNG	50	1	4	2	3	1	0	0.7	1	0	0	0	0	030	6	0	3007	6.8	0.20	48	51	21	7	26	10	0.1	390	2.20	1	3.7	1	1	51	4.5	0.2	440	0.2	15	-1.0	-1	2.6
93J02	851572	10	530526	6007215		6	0	SNDS	42	1	4	2	3	1	0	0.3	1	2	0	0	3	120	6	0	3007	7.6	0.65	48	28	9	3	14	4	0.1	245	1.20	1	11.3	3	1	21	3.6	0.1	220	0.1	15	-1.0	-1	0.0
93J02	851573	10	531093	6005349		1	0	SNDS	42	0	4	2	3	0	0	0.0	0	0	0	0	0	111	3	0	3007	-1.0	-1.00	-1	76	26	9	29	12	0.2	450	2.90	2	3.5	1	1	186	3.6	0.3	400	0.1	35	-1.0	-1	44.0
93J02	851574	10	531075	6005748		6	0	SNDS	42	1	3	1	3	1	0	4.0	4	2	0	0	0	120	6	0	3007	8.1	0.15	42	83	23	7	32	18	0.2	970	2.90	1	3.0	1	1	78	6.3	0.3	620	0.2	53	-1.0	-1	7.4
93J02	851575	10	529269	6003763		6	0	SNDS	42	1	4	1	3	0	0	2.0	2	0	1	0	0	120	6	0	3007	7.3	0.23	34	66	18	8	25	14	0.1	970	2.30	2	0.9	1	1	30	5.4	0.3	380	0.4	35	-1.0	-1	3.8
93J01	851577	10	551559	6005870		6	10	TILL	44	1	4	1	3	1	8	2.0	2	2	1	0	0	030	6	0	3007	7.7	0.30	78	75	28	9	36	14	0.1	615	3.20	2	4.0	1	1	60	5.4	0.3	400	0.1	25	-1.0	-1	3.6
93J01	851578	10	551559	6005870		6	20	TILL	44	1	4	1	3	1	8	2.0	2	2	1	0	0	030	6	0	3007	8.0	0.33	76	73	28	9	36	15	0.1	600	3.10	2	3.7	1	1	60	5.4	0.3	580	0.1	25	-1.0	-1	3.6
93J01	851579	10	553875	6005913		6	0	LMSN	12	1	4	1	3	1	0	4.0	4	0	2	1	0	030	6	0	3007	7.9	0.68	100	69	24	6	34	13	0.1	695	2.50	2	2.3	1	1	60	5.4	0.5	680	0.2	45	-1.0	-1	4.8
93J01	851580	10	557128	6005009		6	0	LMSN	12	1	4	1	3	1	0	3.5	4	1	2	0	0	030	6	0	3007	7.4	0.35	42	74	30	12	39	15	0.1	575	3.40	1	3.8	1	1	42	6.3	0.3	460	0.1	25	-1.0	-1	3.2
93J01	851582	10	564399	6002631		6	0	LMSN	12	1	4	1	3	1	0	2.5	3	1	2	0	0	030	6	0	3007	7.1	0.16	32	55	19	6	27	10	0.1	300	1.90	1	4.4	1	1	30	3.1	0.3	440	0.2	25	-1.0	-1	3.4
93J10	851595	10	517094	6062512		6	0	LMSN	12	1	4	2	3	1	1	1.0	3	2	0	3	0	210	6	0	1409	7.5	0.32	40	48	13	6	22	6	0.2	685	1.50	2	2.9	1	2	54	4.1	0.5	620	0.1	25	-1.0	-1	7.2
93J10	851597	10	517596	6065908		6	0	LMSN	16	1	4	1	3	0	0	3.0	20	1	0	0	0	013	1	0	1409	6.8	0.02	34	21	11	4	8	2	0.1	70	0.48	3	3.0	1	1	240	0.5	0.1	400	0.8	10	-1.0	-1	72.6
93J15	851598	10	517760	6071513		6	0	LMSN	13	1	4	1	3	0	1	0.8	4	1	1	0	0	220	6	0	1409	7.0	0.21	28	130	17	8	38	12	0.1	955	3.00	2	3.5	1	1	96	4.5	0.5	720	1.8	25	-1.0	-1	11.2
93J15	851599	10	516500	6074400		6	0	LMSN	13	1	4	1	3	0	0	1.0	8	1	0	0	0	013	1	0	1409	7.6	0.75	36	54	26	6	23	6	0.1	285	1.90	2	10.7	1	1	168	1.4	0.2	700	0.4	20	-1.0	-1	49.0
93J15	851600	10	515271	6076885		6	0	LMSN	16	1	4	1	3	0	0	1.0	6	1	0	0	0	013	1	0	1409	7.3	0.02	32	40	14	2	15	4	0.1	135	1.00	2	2.8	1	1	162	3.1	0.2	540	0.2	20	-1.0	-1	61.0
93J10	851602	10	527695	6053244		6	0	LMSN	13	1	3	2	3	1	1	5.7	3	5	2	1	0	210	1	0	0407	8.2	0.11	44	72	12	6	22	9	0.1	615	1.80	1	3.0	1	1	66	2.2	0.2	540	0.4	20	-1.0	-1	8.4
93J09	851603	10	562047	6056169		6	0	SMRK	4	1	3	2	3	1	1	2.5	2	2	0	1	0	211	1	0	0507	6.9	0.02	26	88	31	20	30	21	0.1	1040	3.80	1	5.3	1	1	36	10.3	0.3	340	0.1	15	-1.0	-1	5.2
93J09	851604	10	561085	6054367		6	0	SMRK	4	1	3	2	3	1	1	0.2	1	1	0	1	0	111	1	0	0507	6.6	0.05	28	82	19	12	29	13	0.1	1100	2.50	1	2.4	1	1	54	5.4	0.5	460	0.1	25	-1.0	-1	3.2
93J09	851605	10	553196	6052239		6	0	LMSN	14	1	4	2	3	5	1	0.3	1	1	0	0	0	211	1	0	0507	8.2	0.30	20	93	37	28	31	17	0.1	650	3.60	2	7.0	1	1	60	14.4	0.3	380	0.1	15	-1.0	-1	10.4
93J09	851606	10	550828	6051536		6	0	LMSN	14	1	3	1	3	1	1	3.0	4	2	0	0	0	211	2	0	0507	8.3	0.17	22	49	14	9	22	10	0.1	660	2.00	1	2.6	1	1	30	3.1	0.2	540	0.1	18	-1.0	-1	3.8
93J09	851607	10	549289	6052762		6	10	LMSN	14	0	3	1	3	1	1	3.9	28	6	2	0	0	210	2	0	0507	8.2	0.20	22	52	12	6	20	7	0.1	465	1.90	1	2.9	1	1	48	2.7	0.1	480	0.1	15	-1.0	-1	6.8
93J09	851608	10	549289	6052762		6	20	LMSN	14	0	3	1	3	1	1	3.9	28	6	2	0	0	210	2	0	0507	8.2	0.17	24	53	15	6	22	7	0.1	490	1.90	1	2.5	1	1	60	2.7	0.2	540	0.1	20	-1.0	-1	7.0
93J09	851609	10	548897	6053441		6	0	TILL	44	1	3	1	3	1	1	1.5	4	2	0	0	0	211	1	0	0507	8.2	0.18	22	49	11	5	21	8	0.1	500	1.90	1	3.0	1	1	48	2.7	0.2	540	0.1	20	-1.0	-1	4.0
93J09	851611	10	553733	6054346		6	0	TILL	44	1	3	2	3	1	1	2.0	5	2	0	0	0	211	1	0	0507	8.1	0.28	28	53	19	14	28	17	0.1	720	2.50	1	6.9	1	1	66	6.3	0.4	400	0.1	20	-1.0	-1	3.0
93J09	851612	10	538361	6060227		1	0	TILL	44	0	4	2	1	1	1	0.0	0	0	0	7	0	003	3	0	0507	-1.0	-1.00	-1	63	14	4	23	10	0.1	475	2.10	1	2.8	1	1	72	3.6	0.2	480	0.1	25	-1.0	-1	7.6
93J09	851613	10	538942	6058995		6	0	TILL	44	1	3	2	3	1	1	2.0	6	2	0	0	0	211	1	0	0507	8.2	0.16	36	48	10	5	20	8	0.1	310	1.70	1	3.7	1	1	36	2.2	0.2	520	0.1	18	-1.0	-1	1.8
93J15	851615	10	500186	6068390		6	0	BSLT	21	1	3	2	3	1	1	0.5	1	1	0	0	0	112	2	0	0607	8.3	0.28	28	49	39	3	36	9	0.1	625	2.00	1	2.6	1	1	60	4.1	0.5	480	0.6	38	-1.0	-1	9.6
93J15	851636	10	503036	6071883		1	0	BSLT	21	0	4	2	3	0	2	0.0	0	0	0	0	0	210	3	0	0707	-1.0	-1.00	-1	79	24	3	36	12	0.1	955	2.10	2	2.5	1	1	91	4.9	0.5	720	0.2	45	-1.0	-1	5.0
93J07	851637	10	501576	6037067		1	0	ANDS	33	0	4	3	3	0	8	0.0	0	0	0	0	0	003	3	0	0807	-1.0	-1.00	-1	91	33	2	68	11	0.1	615	2.50	2	2.2	1	1	191	3.6	0.3	600	1.0	55	-1.0	-1	27.2

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J08	851683	10	502497	6087563		6	0	LMSN	16	1	3	2	3	1	1		0.6	2	1	0	0	0	130	1	0	1607	7.9	0.72	42	45	15	6	23	9	0.1	630	1.90	2	1.4	1	1	100	3.6	0.3	560	0.1	25	-1.0	-1	7.2
93J01	851684	10	546330	6008031		1	0	GRNG	50	0	4	2	3	0	1		0.0	0	0	0	4	0	121	1	0	1407	-1.0	-1.00	-1	52	14	6	20	11	0.1	620	2.40	1	1.8	1	1	31	3.2	0.1	420	0.1	25	-1.0	-1	4.2
93J08	851685	10	552534	6014020		1	0	LMSN	12	0	4	2	3	1	1		0.0	0	0	0	4	0	120	1	0	1807	-1.0	-1.00	-1	76	17	7	24	12	0.1	1350	2.40	1	3.0	1	1	42	4.8	0.2	500	0.1	30	-1.0	-1	7.4
93J08	851686	10	554632	6012965		1	0	LMSN	12	0	4	2	3	1	1		0.0	0	0	0	4	0	130	1	0	1807	-1.0	-1.00	-1	65	30	5	33	8	0.1	420	2.70	2	2.2	1	1	39	4.8	0.5	820	0.1	53	-1.0	-1	4.2
93J08	851687	10	552955	6018018		6	0	LMSN	13	1	3	2	3	1	8		3.5	6	1	1	0	0	031	3	0	1807	7.0	0.02	22	37	8	5	6	2	0.2	115	0.70	1	2.1	1	1	51	0.8	0.1	420	0.2	15	-1.0	-1	18.6
93J08	851688	10	554367	6016989		6	0	LMSN	13	1	3	1	3	1	8		0.8	2	1	0	4	0	031	1	1	1807	7.8	0.11	26	59	9	4	13	6	0.1	380	1.70	1	1.6	1	1	81	2.4	0.1	440	0.2	15	-1.0	-1	16.2
93J08	851689	10	563600	6015029		6	0	LMSN	16	1	3	2	3	1	8		0.6	2	1	0	4	0	031	3	0	1807	7.9	0.32	36	53	13	11	17	8	0.1	1060	1.70	2	7.8	1	1	92	2.4	0.1	420	0.1	20	-1.0	-1	19.8
93J15	851694	10	523664	6070710		6	0	LMSN	13	1	3	2	3	1	1		3.5	10	1	1	0	0	130	1	0	1907	7.2	0.10	40	75	29	11	44	15	0.1	820	3.20	2	3.4	1	1	85	5.6	0.8	900	0.1	43	-1.0	-1	6.4
93J07	851729	10	531477	6019453		1	0	GRNG	50	0	4	3	3	0	0		0.0	0	0	0	1	0	130	1	0	1708	-1.0	-1.00	-1	54	10	3	23	25	0.1	5100	2.80	2	2.0	1	2	75	4.8	0.1	500	0.1	33	-1.0	-1	8.6
93J07	851730	10	527491	6021715		1	0	GRNG	50	0	4	2	3	1	0		0.0	0	0	0	7	0	022	3	0	1708	-1.0	-1.00	-1	10	12	4	10	3	0.1	30	0.27	2	0.5	1	1	91	0.5	0.2	160	0.1	13	-1.0	-1	78.2
93J07	851731	10	531594	6023795		1	0	GRNG	50	0	4	3	3	0	0		0.0	0	0	0	0	0	031	6	1	1708	-1.0	-1.00	-1	39	7	5	15	5	0.1	195	1.10	2	1.9	1	1	66	0.8	0.2	440	0.1	25	-1.0	-1	13.0
93J07	851732	10	530545	6025897		1	0	GRNG	50	0	4	3	3	0	8		0.0	0	0	0	0	0	022	3	0	1708	-1.0	-1.00	-1	10	13	3	12	3	0.2	20	0.37	2	0.7	1	1	149	0.5	0.2	160	0.2	3	-1.0	-1	89.6
93J01	851733	10	556481	6011199		6	10	LMSN	12	1	4	2	3	1	1		0.6	2	1	0	0	0	030	6	0	1808	7.3	0.09	24	47	22	4	27	10	0.1	415	2.10	2	2.5	1	1	66	3.6	0.6	700	0.1	50	-1.0	-1	5.4
93J01	851734	10	556481	6011199		6	20	LMSN	12	1	4	2	3	1	1		0.6	2	1	0	0	0	030	6	0	1808	7.3	0.08	26	50	23	5	28	11	0.2	465	2.20	1	2.4	1	1	75	4.0	0.5	680	0.1	50	-1.0	-1	6.0
93J08	851735	10	552289	6018152		6	0	LMSN	13	1	3	1	3	1	1		2.0	2	2	0	3	0	130	1	0	1808	7.8	0.28	38	35	8	3	13	5	0.2	235	0.90	1	2.7	1	1	21	2.4	0.2	660	0.1	18	-1.0	-1	4.0
93J08	851736	10	552143	6018457		1	0	LMSN	13	0	4	3	3	0	1		0.0	0	0	0	0	0	021	3	0	1808	-1.0	-1.00	-1	51	9	4	16	5	0.2	215	1.30	1	2.8	1	1	50	2.4	0.3	640	0.2	18	-1.0	-1	5.0
93J10	851744	10	522655	6039213		1	0	GRNG	50	0	4	2	3	0	1		0.0	0	0	0	0	0	030	1	0	2009	-1.0	-1.00	-1	44	20	3	46	10	0.1	435	1.70	1	2.8	1	1	32	4.0	0.4	660	0.2	40	-1.0	-1	3.8
93J02	851745	10	506664	5987234		1	0	ANDS	33	0	4	2	3	0	1		0.0	0	0	0	0	0	030	1	0	1908	-1.0	-1.00	-1	63	34	4	50	12	0.1	595	2.50	2	2.3	1	1	58	6.4	0.6	840	0.1	55	-1.0	-1	6.4
93J07	851746	10	525097	6038932		1	0	GRNG	50	0	4	2	3	1	0		0.0	0	0	0	3	0	021	1	0	2008	-1.0	-1.00	-1	42	11	4	22	9	0.1	715	1.50	1	3.5	1	1	34	2.4	0.8	480	0.1	20	-1.0	-1	4.2
93J10	851747	10	529708	6044686		1	0	LMSN	17	0	4	2	3	1	0		0.0	0	0	0	3	0	120	1	0	2008	-1.0	-1.00	-1	220	13	6	20	7	0.1	765	1.30	2	2.5	1	1	35	3.2	0.4	540	0.2	20	-1.0	-1	6.8
93J07	851748	10	510609	6018050		1	0	ANDS	33	0	4	3	3	0	0		0.0	0	0	0	0	0	022	6	0	2208	-1.0	-1.00	-1	55	34	6	49	9	0.1	430	2.80	1	3.0	1	1	95	3.2	0.4	900	0.1	55	-1.0	-1	10.0
93J07	851749	10	504025	6015553		6	0	ANDS	33	1	4	2	3	1	0		0.5	1	0	1	0	0	210	2	0	2208	4.0	0.32	38	97	42	8	60	26	0.1	1900	4.10	2	2.5	1	1	69	9.6	0.8	880	0.1	75	-1.0	-1	9.2
93J07	851750	10	503920	6013896		6	0	BSLT	21	1	4	1	3	1	0		2.0	2	0	0	0	0	120	6	0	2208	4.0	0.02	44	50	18	2	45	10	0.1	495	2.00	1	1.7	1	1	58	3.2	0.4	820	0.1	43	-1.0	-1	3.8
93J07	851751	10	509258	6011830		6	0	ANDS	33	1	4	1	3	1	0		0.7	2	1	0	0	0	210	2	0	2208	7.5	0.07	62	45	13	1	39	8	0.1	415	1.70	2	1.3	1	1	35	2.4	0.4	780	0.1	40	-1.0	-1	2.2
93J07	851753	10	517764	6014415		6	0	BSLT	42	1	4	1	3	1	0		3.0	15	0	0	0	0	120	6	0	2208	6.4	0.02	26	66	22	4	35	11	0.1	505	2.30	2	2.4	1	1	53	2.4	0.3	660	0.2	45	-1.0	-1	10.4
93J09	851759	10	556310	6054910		6	10	SMRK	4	1	4	1	4	1	1		0.6	2	1	0	0	0	130	6	0	2808	7.3	0.10	40	32	11	9	12	8	0.1	440	1.70	2	7.3	1	1	27	4.8	0.2	420	0.1	10	-1.0	-1	7.2
93J09	851760	10	556310	6054910		6	20	SMRK	4	1	4	1	4	1	1		0.6	2	1	0	0	0	130	6	0	2808	7.3	0.12	42	35	12	9	12	8	0.2	475	1.80	2	9.5	1	1	32	4.8	0.4	460	0.1	10	-1.0	-1	9.2
93J07	851766	10	506006	6032075		6	0	GRNG	50	1	4	1	3	1	0		1.2	2	1	0	3	0	030	1	0	2908	7.4	0.18	30	49	24	3	34	9	0.1	480	1.90	2	3.2	1	1	26	5.6	0.7	780	0.4	40	-1.0	-1	2.2
93J10	851767	10	507139	6052343		1	0	MSDM	11	0	4	2	3	1	8		0.0	0	0	0	0	0	220	3	0	2908	-1.0	-1.00	-1	88	25	4	34	13	0.2	1300	2.70	3	2.8	1	1	58	6.4	0.5	920	0.6	60	-1.0	-1	10.4
93J15	851768	10	517457	6081727		6	10	LMSN	13	1	4	1	3	1	8		3.0	10	1	0	0	0	030	6	0	3008	7.6	0.29	36	29	12	8	20	7	0.1	490	1.60	3	3.1	1	1	45	3.6	0.4	420	0.1	20	-1.0	-1	5.8
93J15	851769	10	517457	6081727		6	20	LMSN	13	1	4	1	3	1	8		3.0	10	1	0	0	0	030	6	0	3008	7.6	0.28	36	26	12	7	18	5	0.1	370	1.50	2	2.4	1	1	38	3.2	0.4	380	0.1	20	-1.0	-1	2.2
93J15	851770	10	521545	6083165		1	0	TILL	44	0	4	2	3	1	8		0.0	0	0	0	0	0	030	3	0	3008	-1.0	-1.00	-1	67	25	5	10	5	2.2	90	0.80	3	27.5	1	1	77	0.5	0.1	720	1.0	13	-1.0	-1	51.8
93J15	851771	10	514122	6092114		1	0	TILL	44	0	4	2	3	1	8		0.0	0	0	0	0	0	120	6	0	3008	-1.0	-1.00	-1	50	17	8	23	10	0.1	540														

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J09	851903	10	536923	6048694		6	0	LMSN	13	1	4	1	3	0	0	2.0	6	0	0	0	0	120	1	0	1509	7.4	0.15	110	130	20	8	45	10	0.1	540	2.80	4	9.7	1	1	144	0.8	0.7	920	3.6	40	-10	-1	13.4
93J09	851904	10	542966	6053648		6	0	SMRK	4	1	4	1	3	0	0	0.2	1	0	0	0	0	111	3	0	1509	7.7	0.09	38	45	9	3	10	2	0.1	415	0.75	2	3.0	1	1	72	5.0	0.1	380	0.2	10	-10	-1	24.4
93J09	851906	10	545217	6053145		6	0	SMRK	4	1	4	2	3	1	0	1.5	4	0	0	0	0	030	2	0	1509	7.8	0.34	28	59	13	9	17	5	0.1	195	1.90	2	2.7	1	1	76	11.6	0.2	520	0.1	15	-10	-1	15.8
93J09	851907	10	546485	6046517		6	0	LMSN	13	1	4	1	3	1	0	1.0	3	0	0	0	0	120	1	0	1509	7.9	0.28	32	49	10	6	17	5	0.1	460	1.60	3	3.1	1	1	52	7.5	0.4	800	0.1	15	-10	-1	9.0
93J09	851908	10	546100	6047406		6	0	LMSN	13	1	4	1	3	1	0	1.0	4	0	0	0	0	022	3	0	1509	7.6	0.15	28	43	14	2	12	2	0.1	65	1.20	8	14.3	1	1	152	3.3	0.4	600	0.4	13	-10	-1	74.8
93J09	851909	10	542410	6045720		6	10	LMSN	13	1	4	2	3	1	0	0.5	2	0	0	0	0	120	1	0	1509	8.0	0.12	32	43	11	8	16	8	0.1	525	1.80	2	2.8	1	1	48	1.2	0.2	460	0.1	15	-10	-1	4.6
93J09	851910	10	542410	6045720		6	20	LMSN	13	1	4	2	3	1	0	0.5	2	0	0	0	0	120	1	0	1509	8.0	0.12	28	43	10	8	16	7	0.1	525	1.70	2	2.2	1	1	40	2.1	0.1	480	0.1	13	-10	-1	3.4
93J09	851911	10	537683	6044999		6	0	LMSN	16	1	4	2	3	1	0	2.0	2	0	0	0	0	210	2	0	1509	8.0	0.40	110	85	17	7	25	8	0.6	530	2.00	4	2.8	1	1	64	2.9	0.9	720	0.8	23	-10	-1	4.0
93J09	851912	10	535558	6045165		1	0	LMSN	13	0	4	2	3	0	0	0.0	0	0	0	0	0	210	6	0	1509	-1.0	-1.00	-1	53	14	7	21	8	0.1	440	2.00	2	3.0	1	1	36	2.9	0.4	480	0.4	18	-10	-1	6.2
93J09	851913	10	535059	6043242		6	0	LMSN	16	1	4	1	3	1	0	1.0	2	1	0	0	0	210	6	0	1509	8.0	0.15	44	33	10	5	14	5	0.2	390	1.20	2	2.5	1	1	32	2.5	0.3	600	0.2	20	-10	-1	5.4
93J09	851914	10	552816	6046526		6	0	SMRK	4	1	4	1	3	1	0	1.0	2	1	0	0	0	310	6	0	1509	7.8	0.26	26	190	41	26	44	9	0.1	355	3.80	10	4.5	1	1	40	25.7	1.8	620	0.6	60	-10	-1	6.8
93J09	851915	10	557853	6043407		6	0	LMSN	14	1	4	1	3	1	0	2.5	6	0	0	0	0	013	1	0	1509	7.5	0.28	42	89	24	19	7	3	0.1	835	1.20	10	14.7	1	1	120	2.5	0.1	640	0.1	15	-10	-1	62.8
93J09	851916	10	559394	6039914		6	0	SMRK	4	1	4	2	3	1	0	1.5	3	2	0	0	0	310	6	0	1509	8.0	0.46	26	63	14	10	24	9	0.1	645	2.80	2	2.6	1	1	32	1.7	0.1	600	0.1	15	-10	-1	6.6
93J08	851917	10	561147	6037692		6	0	SMRK	4	1	4	1	3	1	0	3.5	4	3	0	0	3	310	6	0	1509	7.5	0.06	22	60	12	12	21	9	0.1	325	2.50	2	3.5	1	1	8	4.1	0.2	580	0.1	10	-10	-1	1.8
93J08	851918	10	563057	6038071		6	0	SMRK	4	1	4	2	3	1	0	1.5	2	2	0	0	3	013	6	0	1509	8.1	0.30	36	59	13	19	18	9	0.1	550	2.20	3	6.5	1	1	16	7.5	0.4	620	0.1	18	-10	-1	3.2
93J08	851919	10	561550	6036377		6	0	SMRK	4	1	4	2	3	1	0	4.0	5	1	0	0	0	310	6	0	1509	7.7	0.07	22	58	16	10	22	9	0.1	420	2.30	2	3.4	1	1	16	3.3	0.2	560	0.1	15	-10	-1	3.6
93J08	851920	10	557034	6033796		6	0	SMRK	4	1	4	1	3	0	0	2.0	4	0	0	0	0	130	6	0	1509	7.4	0.08	30	44	8	6	14	5	0.2	125	1.40	2	3.0	1	1	56	0.8	0.1	480	0.1	13	-10	-1	10.0
93J08	851922	10	558364	6032609		6	10	SMRK	4	1	4	2	3	1	0	2.0	4	1	0	0	0	220	6	0	1509	7.0	0.05	28	42	7	5	13	6	0.1	310	1.40	2	2.9	1	1	32	0.8	0.1	460	0.1	13	-10	-1	7.8
93J08	851923	10	558364	6032609		6	20	SMRK	4	1	4	2	3	1	0	2.0	4	1	0	0	0	220	6	0	1509	7.2	0.07	28	37	5	3	11	5	0.1	170	1.30	2	2.4	1	1	16	0.8	0.1	380	0.1	10	-10	-1	3.2
93J08	851925	10	559864	6030983		6	0	LMSN	16	3	4	2	3	1	0	0.4	1	0	0	0	0	310	6	0	1509	8.0	0.10	26	49	10	8	14	6	0.1	535	1.80	2	2.9	1	1	24	2.9	0.2	340	0.1	13	-10	-1	4.4
93J08	851926	10	563118	6027617		6	0	SMRK	4	1	4	2	3	1	0	3.0	10	0	0	0	0	220	6	0	1509	7.8	0.18	10	63	15	11	23	9	0.1	405	2.50	2	2.7	1	1	12	2.5	0.2	440	0.1	13	-10	-1	4.2
93J08	851927	10	564644	6022931		6	0	LMSN	16	1	4	1	3	0	0	2.5	6	1	0	0	0	030	6	0	1509	7.0	0.02	10	65	20	5	17	6	0.1	140	1.20	3	4.8	1	1	72	1.2	0.7	460	0.7	30	-10	-1	9.6
93J08	851928	10	563905	6018317		6	0	LMSN	16	1	4	2	3	0	0	0.0	0	0	0	0	0	022	1	0	1509	6.8	0.02	24	67	18	8	20	6	0.1	270	1.90	2	4.2	1	3	112	2.1	0.3	540	0.2	25	-10	-1	28.8
93J08	851929	10	561811	6021073		6	0	LMSN	16	1	4	2	3	1	0	1.0	2	1	0	0	0	030	6	0	1509	7.6	0.10	26	69	10	6	18	6	0.1	390	1.40	3	4.5	1	1	32	3.3	0.5	660	0.4	23	-10	-1	3.2
93J08	851930	10	559153	6024413		6	0	LMSN	16	1	4	1	3	1	0	1.5	4	1	0	0	0	310	6	0	1509	7.3	0.08	24	70	22	10	29	12	0.1	410	2.80	2	2.7	1	1	64	4.1	0.4	760	0.1	28	-10	-1	5.0
93J08	851931	10	559111	6025765		6	0	LMSN	16	1	4	2	3	1	0	0.5	1	0	0	0	0	130	6	0	1509	7.7	0.07	28	66	9	6	12	4	0.1	170	1.00	2	4.1	1	1	64	1.7	0.3	400	0.4	15	-10	-1	5.6
93J08	851932	10	557014	6027239		6	0	LMSN	16	1	4	2	3	1	0	3.0	4	0	0	0	0	030	6	0	1509	7.4	0.05	22	44	10	4	15	4	0.1	280	1.00	2	2.8	1	1	32	2.5	0.4	700	0.4	13	-10	-1	2.6
93J08	851933	10	555239	6027716		6	0	LMSN	16	1	4	2	3	1	0	1.0	2	0	0	0	0	310	6	0	1509	7.6	0.40	28	56	12	6	20	6	0.1	425	1.40	3	4.1	1	1	44	2.9	0.4	620	0.2	23	-10	-1	5.8
93J09	851934	10	543261	6039899		6	0	LMSN	16	1	4	1	3	0	0	0.5	1	1	0	0	0	012	1	0	1509	6.4	0.02	10	240	17	5	41	7	1.0	740	1.40	3	6.8	1	2	176	3.7	1.0	1340	3.0	43	-10	-1	11.2
93J08	851935	10	543662	6037391		6	0	LMSN	16	1	4	1	3	0	0	1.0	5	1	0	0	0	021	6	0	1509	7.0	0.09	32	23	29	4	28	2	0.8	140	0.52	3	4.4	1	1	224	0.8	0.3	680	2.2	20	-10	-1	59.4
93J08	851936	10	541972	6036300		6	0	LMSN	16	1	4	1	3	0	0	3.0	20	1	0	0	0	013	1	0	1509	6.7	0.02	30	320	27	7	48	5	1.0	130	1.20	6	5.4	1	1	144	4.1	2.2	2020	4.8	55	-10	-1	9.6
93J08	851937	10	544459	6036273		6	0	LMSN	16	1	4	1	3	0	0	1.5	5	1	0	0	0	121	1	0	1509	7.5	0.20	36	180	18	5	31	7	0.6	225	1.00	3	4.8	1	1	152	2.5	0.8	980	2.7	40	-10	-1	15.2
93J08	851938	10	546604	6036640		1	0	LMSN	16	0	4	2	3	0	0	0.0	0	0	0	0	0	012	1	0	509	-1.0	-1.00	-1	43	12	2	10	1	0.1	415	0.11	7	0.5	1	1	224	0.5	0.2	520	2.6	10	-10	-1	85.6
93J08	851939	10	546605	6033892																																													

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J16	853072	10	556291	6086331		6	0	SMRK	4	1	3	1	4	1	0		4.0	6.3	0		3	0	121	6	0	1709	6.5	0.02	10	65	17	12	16	11	0.1	940	3.10	1	5.5	1	1	20	8.3	0.5	280	0.1	10	-10	-1	4.4
93J16	853073	10	553495	6086961		6	0	SMRK	4	1	3	1	4	1	0		4.0	4.3	1		3	0	030	6	0	1709	6.5	0.02	10	120	34	19	28	17	0.1	715	4.50	2	4.9	1	1	28	15.8	1.4	280	0.1	13	-10	-1	4.0
93J16	853074	10	550243	6082190		6	0	SMRK	4	1	3	1	4	1	0		3.0	3.2	1		3	0	120	6	0	1709	6.0	0.02	10	53	20	15	17	13	0.1	445	2.30	2	6.2	1	1	14	14.1	0.2	300	0.1	10	-10	-1	2.4
93J16	853075	10	553733	6085387		6	0	SMRK	4	1	3	1	4	1	0		4.0	3.3	1		3	0	030	6	0	1709	6.1	0.02	22	110	26	21	25	14	0.1	565	4.40	2	6.3	2	1	18	13.3	0.6	340	0.1	15	-10	-1	4.0
93J16	853076	10	549993	6087065		6	0	SMRK	4	1	3	1	4	1	0		4.5	4.3	0		3	0	030	6	0	1709	6.4	0.02	10	54	13	10	18	9	0.1	555	2.20	2	3.3	1	1	28	5.0	0.1	340	0.1	20	-10	-1	5.0
93J16	853078	10	547363	6088285		6	0	SMRK	4	1	4	1	4	1	0		2.5	2.3	0		3	0	120	1	0	1709	6.3	0.02	10	49	12	12	16	12	0.1	555	2.40	2	4.3	1	1	34	5.0	0.1	360	0.1	15	-10	-1	9.8
93J16	853079	10	549257	6087065		6	0	SMRK	4	1	3	1	4	1	0		4.5	3.3	0		3	0	120	6	0	1709	6.5	0.02	10	62	19	13	20	12	0.1	480	2.70	2	7.5	1	1	18	5.0	0.1	340	0.1	15	-10	-1	3.2
93J16	853080	10	544372	6089982		6	0	PLLT	4	1	4	1	4	1	0		2.0	2.2	0		3	0	030	6	0	1709	6.4	0.02	10	38	13	11	18	13	0.1	920	2.60	1	6.9	1	1	28	12.4	0.1	500	0.1	13	-10	-1	7.8
93J16	853083	10	544343	6091270		6	0	PLLT	4	1	3	1	4	1	0		3.0	2.2	1		3	0	030	6	0	1709	6.3	0.02	10	39	27	10	16	9	0.1	535	2.10	1	7.2	1	1	13	4.7	0.2	220	0.1	10	-10	-1	1.0
93J16	853084	10	547222	6093820		6	10	PLLT	4	1	4	1	4	1	0		2.0	2.3	1		3	0	121	6	0	1709	6.5	0.02	26	66	21	15	21	12	0.1	565	2.90	2	9.3	3	1	1220	12.7	0.7	280	0.1	10	-10	-1	4.0
93J16	853085	10	547222	6093820		6	20	PLLT	4	1	4	1	4	1	0		2.0	2.3	1		3	0	121	6	0	1709	6.5	0.02	28	71	20	22	22	14	0.1	660	3.00	2	9.4	3	1	8320	12.7	0.7	300	0.1	13	-10	-1	4.6
93J16	853086	10	552764	6092605		6	0	SHLE	13	1	3	1	4	1	0		4.9	4.3	1		3	0	030	6	0	1709	7.7	0.11	10	37	10	5	10	5	0.1	365	1.60	2	3.6	1	1	13	3.8	0.2	200	0.1	10	-10	-1	1.2
93J16	853087	10	556673	6093364		6	0	SHLE	13	1	3	1	4	1	0		2.0	3.3	1		3	0	030	6	0	1709	6.9	0.02	10	31	11	5	9	5	0.1	315	1.50	2	2.5	1	1	13	3.4	0.2	180	0.1	10	-10	-1	1.4
93J16	853088	10	557537	6093840		6	0	SHLE	13	1	4	1	4	1	0		1.7	2.3	1		3	0	030	6	0	1709	7.6	0.09	10	73	20	15	21	12	0.1	965	3.10	2	4.1	1	1	29	5.1	0.4	300	0.1	15	-10	-1	4.4
93J16	853089	10	559548	6090569		6	0	SHLE	13	1	4	1	4	1	0		2.5	3.3	1		3	0	030	6	0	1709	7.5	0.11	10	73	18	12	18	9	0.1	690	2.80	3	4.7	1	1	51	5.9	0.5	300	0.1	15	-10	-1	5.0
93J16	853090	10	560692	6091654		6	0	LMSN	14	1	4	1	4	1	0		3.0	3.3	1		3	0	030	6	0	1709	7.8	0.13	10	41	12	9	14	7	0.1	575	2.00	2	4.0	1	1	26	3.4	0.2	280	0.1	13	-10	-1	3.8
93J16	853091	10	563241	6091037		6	0	LMSN	14	1	4	1	4	1	0		4.5	4.2	0		3	0	120	6	0	1709	7.9	0.18	10	32	10	7	10	5	0.1	475	1.50	2	2.3	1	1	13	3.4	0.1	260	0.1	15	-10	-1	3.2
93J16	853092	10	560846	6089521		6	0	LMSN	12	1	4	1	4	1	0		2.7	3.3	1		3	0	030	6	0	1709	7.4	0.06	22	41	14	8	14	5	0.1	565	2.10	1	3.6	1	1	19	4.2	0.3	340	0.1	10	-10	-1	3.6
93J16	853093	10	561213	6085712		6	0	LMSN	12	1	4	1	4	1	0		3.5	2.2	0		3	0	021	1	0	1709	6.0	0.02	28	80	17	12	23	9	0.2	1110	3.50	1	7.0	1	1	26	5.1	0.2	240	0.1	15	-10	-1	6.4
93J16	853094	10	562648	6086562		6	0	LMSN	12	1	4	1	4	1	0		4.0	4.3	1		3	0	030	6	0	1709	7.5	0.08	10	45	11	8	16	6	0.2	490	2.20	2	4.9	1	1	13	3.4	0.1	320	0.2	10	-10	-1	2.8
93J09	853095	10	551832	6064885		6	0	SMRK	4	1	4	1	4	1	0		2.0	2.1	1		0	0	120	6	0	1709	6.8	0.06	28	73	23	13	25	10	0.1	700	2.90	1	5.5	1	1	13	6.8	0.2	240	0.1	15	-10	-1	4.4
93J09	853096	10	556243	6065974		6	0	SMRK	4	1	4	2	4	1	0		1.0	2.0	0		0	0	030	1	0	1709	5.5	0.02	10	86	13	10	22	10	0.1	1030	2.90	1	4.0	1	1	32	5.1	0.1	320	0.1	25	-10	-1	7.2
93J16	853097	10	550674	6069500		6	0	SMRK	4	1	4	1	4	1	0		2.5	3.3	1		3	0	120	6	0	1709	5.5	0.02	26	54	29	13	20	15	0.1	495	2.40	1	5.4	1	1	19	5.1	0.1	160	0.1	13	-10	-1	4.2
93J16	853098	10	552180	6070851		6	0	SMRK	4	1	4	2	4	1	0		0.5	1.2	1		0	0	220	6	0	1709	6.0	0.02	34	69	22	10	39	29	0.1	525	2.50	1	6.0	1	1	32	5.1	0.1	200	0.1	15	-10	-1	9.4
93J16	853100	10	562091	6071702		6	0	SMRK	4	1	4	1	4	1	0		4.0	4.3	1		3	0	030	6	0	1709	8.0	0.05	22	49	18	6	12	7	0.2	425	1.90	1	3.3	1	1	51	5.1	0.2	280	0.1	10	-10	-1	1.4
93J16	853102	10	562936	6071949		6	0	SMRK	4	1	4	1	4	1	0		3.0	5.2	1		0	0	030	6	0	1709	6.8	0.02	24	72	19	17	22	15	0.1	630	2.80	1	4.2	3	1	19	7.7	0.2	300	0.1	18	-10	-1	4.4
93J16	853103	10	558863	6075011		6	0	SMRK	4	1	4	1	4	1	0		2.5	3.3	1		3	0	121	6	0	1709	5.9	0.02	22	130	27	24	22	17	0.2	1050	4.00	1	6.2	3	1	38	16.1	0.8	280	0.1	13	-10	-1	6.6
93J16	853104	10	561478	6078666		6	0	SMRK	4	1	4	1	4	1	0		1.5	2.3	0		3	0	022	6	0	1709	5.9	0.04	32	130	34	22	26	17	0.1	595	4.20	1	8.1	3	1	42	14.4	0.6	200	0.1	13	-10	-1	4.4
93J16	853105	10	561400	6079200		6	0	SMRK	4	1	4	1	4	1	0		3.0	4.3	1		3	0	021	6	0	1709	6.0	0.02	30	120	31	18	28	15	0.2	675	4.10	2	6.7	3	1	22	10.2	0.4	200	0.1	15	-10	-1	3.2
93J16	853106	10	563840	6076945		6	0	SMRK	4	1	4	1	4	1	0		4.0	4.3	0		3	0	030	6	0	1709	5.9	0.02	30	92	36	20	23	14	0.1	700	4.00	1	6.0	3	1	13	12.7	0.5	240	0.1	13	-10	-1	3.2
93J09	853107	10	559005	6063992		6	0	SMRK	4	1	4	1	4	1	0		3.8	4.3	0		3	0	030	6	0	1709	6.1	0.02	26	120	30	19	27	14	0.1	680	4.00	1	7.1	1	1	19	10.2	0.4	240	0.1	15	-10	-1	2.8
93J09	853108	10	559222	6064417		6	0	SMRK	4	1	4	1	4	1	0		4.5	6.3	0		3	0	030	6	0	1709	5.8	0.06	30	140	28	21	26	17	0.1	830	4.10	2	7.4	1	1	26	6.8	0.3	260	0.1	15	-10	-1	7.0
93J09	853109	10	563260	6060047		6	10	SMRK	4	1	4	1	4	1	0		2.0	6.0	1		0	0	120	6	0	1709	5.9	0.03	26	83	34	23	28	21																

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J02	853232	10	518685	6002626	6	0	BSLT	21	1	4	2	3	1	0	1.2	2	1	0	0	3	0	130	6	0	1909	7.3	1.10	34	43	12	4	36	8	0.1	360	1.50	1	1.5	1	1	58	2.6	0.3	580	0.1	35	-1.0	-1	2.0
93J02	853233	10	517038	6007084	6	0	ANDS	33	1	4	2	3	1	0	1.2	4	0	0	0	0	030	1	0	1909	5.4	0.02	10	91	25	9	47	12	0.2	495	2.70	2	1.8	1	3	116	3.4	0.5	620	0.4	50	-1.0	-1	9.8	
93J02	853234	10	511675	6002878	6	0	BSLT	21	1	4	2	3	1	0	2.0	6	0	0	0	0	013	4	0	1909	5.7	0.02	22	20	23	4	17	3	0.2	70	0.32	2	1.2	1	1	207	0.9	0.4	160	0.7	10	-1.0	-1	84.4	
93J02	853235	10	504357	6010094	6	0	BSLT	21	1	4	2	3	1	0	1.0	2	0	0	0	0	030	6	0	1909	6.8	0.02	34	86	21	5	36	12	0.1	430	2.10	1	2.4	1	1	158	1.3	0.4	560	0.2	40	-1.0	-1	9.4	
93J02	853236	10	502242	5996371	6	0	ANDS	33	1	4	1	3	1	0	2.0	5	0	0	0	0	030	6	0	1909	5.9	0.02	32	60	12	4	16	5	0.1	295	1.10	1	1.7	1	1	108	0.9	0.3	560	0.4	25	-1.0	-1	12.0	
93J07	853280	10	513825	6030578	6	0	GRNG	50	1	4	1	3	1	0	1.0	2	1	0	3	0	030	6	0	1909	-1.0	-1.00	-1	48	19	3	50	10	0.1	555	1.90	2	3.5	1	1	36	6.8	0.5	580	0.1	38	-1.0	-1	4.0	
93J03	851034	10	494837	6008436	6	0	ANDS	33	1	3	1	3	1	0	4.0	2	2	0	0	0	220	1	0	2007	7.7	0.20	58	77	32	9	63	19	0.1	1650	2.70	4	2.3	1	1	114	7.0	0.8	660	0.2	55	-1.0	-1	6.0	
93J03	851035	10	495888	6004290	6	10	ANDS	33	1	3	1	3	1	0	0.1	3	1	1	0	0	022	6	0	2007	7.1	0.02	66	86	19	5	30	12	0.1	695	2.40	1	2.2	1	1	124	2.5	0.3	520	0.1	50	-1.0	-1	12.2	
93J03	851036	10	495888	6004290	6	20	ANDS	33	1	3	1	3	1	0	0.1	3	1	1	0	0	022	6	0	2007	7.1	0.02	68	85	21	6	29	10	0.1	525	2.00	1	2.2	1	1	124	1.5	0.4	540	0.1	50	-1.0	-1	11.6	
93J03	851037	10	486267	5995987	6	0	ANDS	33	1	4	2	3	1	6	3.5	12	1	1	0	0	030	3	0	2007	7.1	0.02	86	62	28	4	38	14	0.1	1020	2.30	1	2.5	1	1	86	7.0	0.8	500	0.2	45	-1.0	-1	3.4	
93J03	851038	10	493520	5994021	1	0	ANDS	33	0	4	2	3	0	6	0.0	0	0	0	0	0	031	3	0	2007	-1.0	-1.00	-1	140	13	1	22	12	0.1	1000	6.00	1	1.3	1	1	114	18.0	0.4	640	0.2	55	-1.0	-1	16.6	
93J06	851039	10	494424	6014041	6	0	ANDS	33	1	4	2	3	0	8	0.6	2	1	1	0	0	220	3	1	2007	7.0	0.09	68	55	18	3	39	10	0.1	925	1.80	1	2.4	1	1	57	3.0	0.4	520	0.1	40	-1.0	-1	5.0	
93J06	851043	10	470081	6038304	6	0	ANDS	33	1	4	1	3	1	8	2.5	3	1	0	0	0	022	3	3	2107	7.3	0.02	50	53	28	2	75	20	0.1	3500	2.20	2	1.8	1	1	409	5.0	0.5	560	0.6	30	-1.0	-1	67.0	
93J06	851044	10	468622	6035201	1	0	ANDS	33	0	4	2	3	1	1	0.0	0	0	0	0	0	220	8	0	2107	-1.0	-1.00	-1	59	22	2	45	10	0.1	480	1.80	1	1.4	1	1	41	4.0	0.5	640	0.1	40	-1.0	-1	1.8	
93J06	851045	10	472067	6035364	6	0	ANDS	33	1	3	2	3	3	1	2.0	1	1	0	0	0	030	6	0	2107	7.7	0.64	90	140	40	4	130	15	0.1	640	2.60	2	2.0	1	1	41	7.0	0.8	780	0.1	55	-1.0	-1	4.2	
93J06	851046	10	475542	6037920	6	0	ANDS	33	1	3	1	3	1	8	1.5	3	1	0	0	0	220	1	0	2107	8.3	1.35	80	97	19	2	93	12	0.1	810	2.20	2	1.7	1	1	108	5.0	0.3	660	0.4	43	-1.0	-1	7.6	
93J06	851047	10	478486	6034738	6	0	ANDS	33	1	3	2	3	1	5	1.0	1	0	0	0	0	022	3	3	2107	7.2	0.02	42	78	37	3	98	15	0.1	3750	2.50	2	5.4	1	1	252	7.0	0.7	860	0.7	43	-1.0	-1	44.2	
93J06	851048	10	477020	6034479	6	0	ANDS	33	1	3	1	3	1	8	1.5	3	1	1	0	0	310	1	0	2107	7.8	0.02	46	75	26	3	75	14	0.1	530	2.20	2	2.3	1	1	171	5.0	0.5	800	0.1	63	-1.0	-1	3.8	
93J06	851049	10	469126	6018208	6	0	ANDS	33	1	3	1	3	1	8	1.0	2	1	0	0	0	022	3	3	2107	7.1	0.02	38	150	26	3	62	15	0.1	1300	3.80	2	1.8	1	1	144	5.0	0.5	500	0.4	60	-1.0	-1	27.8	
93J06	851050	10	469813	6018722	6	0	ANDS	33	1	3	1	3	1	8	0.8	1	1	0	0	0	030	3	3	2107	7.2	0.02	50	79	43	3	99	14	0.1	1950	3.70	4	3.1	1	1	162	7.0	0.4	720	0.4	70	-1.0	-1	19.4	
93J05	851051	10	446258	6028187	6	0	ANDS	33	1	3	1	3	1	0	1.5	4	1	0	0	0	022	6	0	2207	7.6	0.02	86	88	40	3	92	15	0.1	1900	3.90	2	2.5	1	1	153	6.5	0.4	620	0.4	68	-1.0	-1	23.0	
93J05	851052	10	459395	6024492	6	0	ANDS	33	1	3	1	3	1	0	1.0	1	1	1	0	0	013	3	3	2207	7.0	0.05	50	59	50	4	50	5	0.1	225	1.30	2	1.2	1	1	207	1.5	0.6	520	0.1	23	-1.0	-1	50.2	
93J05	851053	10	466962	6023687	6	0	ANDS	33	1	4	2	3	1	1	1.0	1	1	3	0	0	220	8	0	2207	6.9	0.02	78	130	46	4	110	17	0.1	1350	3.30	2	2.0	1	1	108	7.0	1.0	880	0.1	55	-1.0	-1	5.6	
93J12	851063	10	451810	6041140	6	0	ANDS	33	1	3	1	3	1	0	0.0	0	1	1	0	0	030	3	0	2407	7.9	0.02	66	350	15	1	33	8	0.1	1950	2.40	2	1.6	1	1	72	3.0	0.6	720	0.1	45	-1.0	-1	4.2	
93J12	851064	10	446664	6050074	6	0	ANDS	33	1	3	1	3	1	0	3.0	3	1	1	0	0	310	1	0	2407	7.5	0.02	48	84	30	3	68	13	0.1	595	2.10	2	3.2	1	1	167	6.0	0.7	720	0.1	60	-1.0	-1	4.2	
93J12	851065	10	445817	6064091	1	0	BSLT	42	0	3	2	3	1	8	0.0	0	0	0	0	0	031	1	0	2407	-1.0	-1.00	-1	86	34	4	50	12	0.1	1300	2.50	2	4.3	1	1	180	4.5	0.4	640	0.7	60	-1.0	-1	18.6	
93J12	851066	10	446600	6052200	6	0	ANDS	33	1	3	1	3	1	0	2.0	3	1	1	0	0	022	3	0	2407	7.3	0.02	50	130	26	1	41	10	0.1	845	3.50	2	1.5	1	1	162	14.0	0.5	560	0.2	40	-1.0	-1	27.0	
93J12	851067	10	452330	6053416	6	0	ANDS	33	1	3	1	3	1	0	2.0	4	1	0	7	0	022	3	0	2407	7.2	0.02	78	190	63	4	90	15	0.1	1060	3.50	2	4.0	1	1	261	8.0	1.0	600	0.8	70	-1.0	-1	36.4	
93J05	851068	10	436897	6035988	6	0	ANDS	33	1	3	1	3	1	0	1.5	2	1	0	0	0	121	1	0	2407	7.6	0.02	60	370	28	9	92	11	0.1	605	2.80	2	1.8	1	1	99	7.0	0.8	740	0.2	40	-1.0	-1	10.6	
93J03	851103	10	470790	5987934	6	0	CHRT	23	1	4	2	3	1	1	3.0	20	1	3	0	0	030	6	0	1908	7.1	0.02	130	120	51	11	44	22	0.1	420	5.30	2	1.9	1	1	56	22.0	1.2	400	0.1	68	-1.0	-1	8.6	
93J03	851104	10	471924	5983725	1	0	CHRT	23	0	4	2	3	0	8	0.0	0	0	0	0	0	030	6	0	1908	-1.0	-1.00	-1	52	8	5	12	5	0.1	880	1.50	4	2.0	1	1	78	0.5	0.2	760	0.1	28	-1.0	-1	6.8	
93J03	851105	10	478557	5985886	1	0	ANDS	33	0	4	2	3	0	1	0.0	0	0	0	0	0	210	6	0	1908	-1.0	-1.00	-1	52	10	2	17	6	0.1	380	1.60	2	2.3	1	1	21	2.0	0.4	600	0.1	38	-1.0	-1	5.4	
93J03	851110	10	499764	6004041	6	0	ANDS	33	1	3	2	3	1	8	2.5	8	1	0	0	0	130	6	0	2108	7.8	0.08	66	56	15	2	28	7	0.1	695	1.80	1	2.6	1	1	56	2.0	0.4	660	0.1	40	-1.0	-1	7.8	
93J14	851140	10	499500	6091600	6	0																																											

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI		
93J14	851195	10	490534	6069377	6	0		GRNG	50	1	4	1	3	1	0		1.0	4	1	1	0	0	121	6	0	1409	7.2	0.64	30	59	14	2	22	5	0.1	110	0.90	2	22.7	3	1	94	0.5	0.1	980	0.6	20	-1.0	-1	6.8	
93J11	851196	10	490691	6065765	6	0		GRNG	50	1	4	1	3	1	0		0.5	2	1	1	0	0	021	3	0	1409	5.8	0.22	38	36	16	3	14	3	0.1	110	0.35	2	28.0	1	1	155	0.5	0.1	220	1.5	15	-1.0	-1	58.8	
93J14	851197	10	493682	6070347	6	0		ANDS	33	1	4	2	3	1	0		1.1	4	1	1	0	3	0	120	6	0	1409	7.1	0.46	30	57	12	1	19	5	0.1	380	0.80	2	17.3	1	1	71	0.5	0.1	860	0.8	20	-1.0	-1	8.8
93J14	851198	10	495565	6072999	6	0		ANDS	33	1	4	1	3	0	0		2.0	6	0	0	0	0	012	1	0	1409	6.8	0.02	32	56	21	1	24	6	0.1	150	1.10	2	10.6	1	1	166	1.0	0.2	680	1.0	25	-1.0	-1	32.0	
93J14	851199	10	489637	6077566	6	0		ANDS	33	1	4	1	3	1	0		1.0	2	1	0	0	3	0	120	3	0	1409	7.7	0.18	44	58	27	2	26	9	0.1	2350	2.40	4	3.8	1	1	127	11.0	0.6	800	0.6	48	-1.0	-1	21.4
93J14	851200	10	493028	6079545	6	0		BSLT	21	1	4	2	3	1	0		0.4	2	1	0	0	0	003	1	0	1409	6.6	0.18	48	42	66	3	19	5	0.1	195	0.70	4	5.2	1	1	201	2.0	0.4	420	1.0	38	-1.0	-1	50.0	
93J11	851267	10	482525	6049659	6	0		GRNG	50	1	4	2	3	0	0		0.1	1	0	0	0	0	120	8	0	1307	7.5	0.02	42	66	19	2	44	9	0.1	745	1.80	2	3.4	1	1	390	2.4	0.4	860	0.6	40	-1.0	-1	10.4	
93J11	851268	10	488843	6045891	6	0		ANDS	33	1	4	2	3	0	0		0.1	1	0	0	0	0	121	1	0	1307	6.9	0.02	38	160	55	4	140	14	0.6	845	3.30	1	3.2	1	2	199	4.0	0.6	780	1.2	63	-1.0	-1	24.8	
93J11	851269	10	487762	6057420	6	0			0	1	3	1	3	1	8		1.5	2	1	0	0	0	210	2	0	1307	8.2	0.24	54	61	14	2	43	9	0.1	405	11.60	1	3.1	1	1	108	2.8	0.3	620	0.2	38	-1.0	-1	5.6	
93J06	851290	10	497468	6029211	6	0		ANDS	33	1	4	2	3	1	8		0.5	1	0	1	0	0	121	6	0	2107	7.2	0.02	54	77	30	3	41	12	0.1	540	2.80	2	1.7	1	1	100	10.0	0.6	680	0.3	53	-1.0	-1	7.0	
93J06	851291	10	497053	6031046	1	0		ANDS	33	0	4	3	3	1	8		0.0	0	0	0	0	0	012	3	0	2107	-1.0	-1.00	-1	53	29	3	55	12	0.1	1050	2.40	1	15.0	1	1	280	2.4	0.3	400	1.4	20	-1.0	-1	72.6	
93J06	851292	10	476652	6037812	6	0		ANDS	33	1	4	1	3	1	8		1.1	2	1	0	0	0	211	1	0	2407	8.1	0.95	80	84	39	4	130	20	0.1	840	2.90	2	1.4	1	8	140	7.2	1.0	800	0.3	55	-1.0	-1	8.4	
93J06	851294	10	486211	6037317	6	0		ANDS	33	1	4	2	3	0	0		0.5	1	0	1	0	0	121	2	0	2407	6.9	0.02	64	93	42	5	120	18	0.1	730	3.10	1	23.0	1	1	160	4.8	0.8	840	0.4	63	-1.0	-1	13.0	
93J06	851295	10	485038	6037527	1	0		ANDS	33	0	4	2	3	0	0		0.0	0	0	0	0	0	210	1	0	2407	-1.0	-1.00	-1	60	31	3	84	12	0.1	560	2.20	1	1.7	1	1	130	5.2	0.8	820	0.2	45	-1.0	-1	3.4	
93J06	851296	10	487529	6033273	1	0		ANDS	33	0	4	2	3	0	0		0.0	0	0	0	0	0	120	6	0	2407	-1.0	-1.00	-1	61	32	4	86	14	0.1	595	2.10	2	2.0	1	1	130	5.6	0.8	780	0.1	48	-1.0	-1	3.2	
93J06	851297	10	473814	6021246	6	0		ANDS	33	1	4	2	3	1	8		0.5	1	0	3	0	0	121	6	0	2407	7.0	0.02	48	78	46	6	160	18	0.2	795	2.70	1	2.1	1	1	110	8.0	1.2	960	0.2	55	-1.0	-1	2.8	
93J06	851298	10	474190	6018573	1	0		ANDS	33	0	4	2	3	0	0		0.0	0	0	0	0	0	210	2	0	2407	-1.0	-1.00	-1	55	30	5	98	15	0.1	655	2.20	4	1.7	1	1	99	5.2	0.7	760	0.1	45	-1.0	-1	3.8	
93J03	851299	10	486815	6009844	6	10		ANDS	33	1	3	1	3	1	0		2.0	2	1	0	0	3	0	210	2	0	2407	7.0	0.02	62	53	17	4	51	10	0.1	475	2.00	2	2.1	1	1	72	3.6	0.4	720	0.1	40	-1.0	-1	5.0
93J03	851300	10	486815	6009844	6	20		ANDS	33	1	3	1	3	1	0		2.0	2	1	0	0	3	0	210	2	0	2407	7.0	0.02	62	63	18	4	55	12	0.1	935	2.40	1	2.0	1	1	63	4.4	0.4	680	0.1	45	-1.0	-1	7.2
93J03	851302	10	480390	6010641	1	0		ANDS	33	0	4	2	3	0	8		0.0	0	0	0	3	0	211	2	0	2407	-1.0	-1.00	-1	60	31	5	62	17	0.1	1060	3.00	2	2.2	1	1	90	8.0	0.7	740	0.1	50	-1.0	-1	4.4	
93J03	851303	10	480060	6010400	6	0		ANDS	33	1	3	1	3	1	0		2.0	3	0	0	0	0	121	3	0	2407	6.5	0.10	72	63	41	6	59	9	0.1	500	1.90	2	6.0	1	1	212	2.4	0.4	740	0.4	43	-1.0	-1	18.4	
93J06	851309	10	496994	6033382	6	0		ANDS	33	1	3	2	3	0	0		1.0	2	0	1	3	0	210	2	0	2607	6.9	0.05	48	55	13	1	42	9	0.1	410	1.90	1	1.4	1	1	198	3.2	0.4	660	0.1	40	-1.0	-1	3.8	
93J06	851310	10	497496	6033667	6	0		ANDS	33	1	4	1	3	1	0		0.5	3	0	1	0	0	210	2	0	2607	7.0	0.05	46	52	15	2	44	8	0.1	390	1.80	2	1.5	1	1	63	3.2	0.6	700	0.2	38	-1.0	-1	4.4	
93J06	851312	10	496594	6032893	6	0		ANDS	33	1	4	2	3	0	8		0.1	1	0	1	0	0	210	2	0	2607	7.4	0.02	62	130	23	1	74	15	0.1	1350	2.80	2	1.9	1	1	162	6.0	0.6	840	0.4	45	-1.0	-1	7.2	
93J03	851314	10	497860	6009824	1	0		ANDS	33	0	4	2	3	0	0		0.0	0	0	0	0	0	220	2	0	2507	-1.0	-1.00	-1	68	17	2	31	9	0.1	385	2.00	1	2.6	1	1	68	1.2	0.2	540	0.3	35	-1.0	-1	9.8	
93J11	851326	10	480610	6050016	6	0		GRNG	50	1	3	1	3	1	0		4.0	3	2	0	0	0	210	6	0	1608	7.6	0.14	62	67	21	2	44	8	0.1	320	1.70	1	2.3	1	1	153	2.4	0.4	840	0.4	43	-1.0	-1	7.8	
93J11	851327	10	477191	6050247	6	0		GRNG	50	1	4	2	3	0	0		1.0	1	0	0	0	0	210	6	0	1608	7.1	0.02	32	82	23	4	65	12	0.1	710	2.70	1	1.8	1	1	144	4.8	0.4	780	0.4	55	-1.0	-1	9.8	
93J14	851347	10	482966	6069585	6	0		MSDM	11	1	4	2	3	1	0		4.0	2	0	0	0	0	013	3	0	2708	7.6	0.02	40	48	21	2	19	8	0.1	785	1.50	1	2.0	1	1	105	1.6	0.2	820	0.2	35	-1.0	-1	22.4	
93J14	851348	10	484130	6070993	1	0		MSDM	11	0	4	2	3	0	0		0.0	0	0	0	0	0	112	3	0	2708	-1.0	-1.00	-1	28	20	1	15	3	0.1	1700	0.70	4	0.7	1	1	140	0.5	0.1	440	0.4	15	-1.0	-1	75.4	
93J11	851349	10	482005	6065205	6	0		MSDM	11	1	4	1	3	1	0		3.0	2	0	0	0	0	121	6	0	2708	6.9	0.02	32	75	22	4	47	12	0.1	630	2.40	2	6.5	1	1	77	4.8	0.4	820	0.4	48	-1.0	-1	6.8	
93J11	851350	10	479966	6063804	1	0		GRNG	50	0	4	2	3	0	0		0.0	0	0	0	0	0	121	3	1	2708	-1.0	-1.00	-1	70	20	2	38	9	0.1	855	2.40	2	3.4	1	1	133	3.2	0.3	840	0.4	40	-1.0	-1	18.0	
93J14	851351	10	472440	6069204	6	0		BSLT	42	1	3	1	3	1	0		4.5	2	1	0	0	0	130	2	0	2708	7.3	0.25	42	60	14	3	20	9	0.1	635	2.00	1	6.7	3	1	35	4.8	0.3	940	0.1	43	-1.0	-1	4.6	
93J14	851352	10	472900	6071700	6	0		BSLT	42	1	4	1	3	0	0		2.5	4	0	0	0	0	013	3																											

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J14	851420	10	484724	6072006	6	0		MSDM	11	1	4	2	1	1	0		1.0	6	1	0	7	0	003	3	0	0607	6.4	0.02	46	54	27	2	32	7	0.1	820	2.90	2	2.6	1	1	115	3.2	0.3	860	0.4	45	-1.0	-1	5.8
93J14	851422	10	485534	6072091	6	0		MSDM	11	1	4	1	3	1	0		1.5	2	1	0	0	0	220	1	0	0607	7.6	0.27	56	160	27	6	43	9	0.1	780	2.30	4	9.0	3	1	65	3.2	0.3	1160	1.4	80	-1.0	-1	6.8
93J14	851423	10	486484	6074534	6	0		MSDM	11	1	4	3	1	5	0		5.0	3	0	0	7	0	202	1	0	0607	7.0	0.11	50	80	74	3	41	17	0.1	425	3.20	1	3.3	1	3	135	3.2	0.5	880	0.1	75	-1.0	-1	5.0
93J14	851424	10	486365	6075474	6	0		MSDM	11	1	3	1	3	1	0		2.0	2	2	0	0	0	220	1	0	0607	7.1	0.13	56	51	16	1	21	8	0.1	670	1.50	2	3.5	1	1	90	3.2	0.3	900	0.1	35	-1.0	-1	6.6
93J14	851425	10	491623	6074861	6	0		ANDS	33	1	4	2	3	1	0		2.5	1	0	0	0	0	310	1	0	0607	6.7	0.12	48	140	27	6	37	19	0.2	5200	3.20	4	11.7	3	1	115	5.2	0.5	840	2.5	65	-1.0	-1	17.6
93J14	851427	10	493139	6074543	6	0		ANDS	33	1	4	1	1	5	0		2.0	3	1	0	7	0	013	3	0	0607	6.6	0.02	76	64	38	6	32	10	0.1	315	2.00	2	3.3	1	1	105	2.4	0.5	920	0.2	50	-1.0	-1	6.0
93J14	851428	10	494098	6074980	6	0		ANDS	33	1	4	1	3	1	0		2.5	2	1	0	0	0	130	1	0	0607	6.5	0.05	46	59	69	3	26	11	0.1	615	1.90	1	5.5	1	1	155	2.0	0.4	1100	0.1	48	-1.0	-1	7.8
93J06	851483	10	479801	6023470	6	0		ANDS	33	1	3	3	3	1	8		4.0	8	0	0	0	0	130	6	0	2007	6.7	0.02	40	61	28	2	140	12	0.1	445	2.00	1	2.3	1	1	150	3.6	0.6	780	0.4	43	-1.0	-1	2.4
93J06	851484	10	473827	6024223	1	0		ANDS	33	0	3	2	3	1	8		0.0	0	0	0	0	0	030	1	0	2007	-1.0	-1.00	-1	140	40	3	180	39	0.1	3400	3.50	2	1.7	1	1	180	7.2	0.7	880	0.4	65	-1.0	-1	8.2
93J06	851485	10	471333	6024116	1	0		ANDS	33	0	4	2	3	1	8		0.0	0	0	0	0	0	022	6	0	2007	-1.0	-1.00	-1	110	37	4	94	13	0.2	705	2.30	2	1.8	1	1	150	4.5	0.6	860	0.2	50	-1.0	-1	5.6
93J06	851486	10	471312	6029144	6	0		ANDS	33	1	3	1	3	1	8		3.5	5	1	0	0	0	310	1	0	2007	7.5	0.02	52	69	14	2	62	12	0.1	5880	1.90	1	2.0	1	1	120	2.7	0.3	840	0.1	38	-1.0	-1	4.4
93J06	851487	10	474427	6032284	1	0		ANDS	33	0	3	2	3	1	8		0.0	0	0	0	0	0	022	3	0	2007	-1.0	-1.00	-1	91	35	4	92	13	0.1	520	2.70	1	1.7	1	2	132	3.6	0.5	720	0.6	53	-1.0	-1	16.2
93J06	851488	10	483085	6031625	6	0		ANDS	33	1	3	2	3	1	8		1.0	2	0	1	0	0	310	1	0	2007	7.7	0.02	48	660	44	5	140	23	0.1	1850	4.00	2	2.1	1	1	162	7.2	0.9	840	0.4	58	-1.0	-1	6.4
93J06	851489	10	480848	6032712	1	0		ANDS	33	0	3	3	3	1	8		0.0	0	0	0	0	0	031	3	0	2007	-1.0	-1.00	-1	88	34	4	99	10	0.1	505	2.00	2	4.7	1	1	144	2.7	0.3	660	0.8	38	-1.0	-1	27.0
93J06	851491	10	481040	6030617	1	0		ANDS	33	0	3	2	3	1	8		0.0	0	0	0	0	0	031	3	0	2007	-1.0	-1.00	-1	82	35	4	140	12	0.1	560	2.70	2	1.9	1	1	114	5.4	0.6	760	0.4	55	-1.0	-1	6.2
93J06	851492	10	483778	6029308	6	0		ANDS	33	1	3	3	3	1	5		1.0	2	1	1	0	0	121	1	0	2007	6.8	0.14	90	170	24	4	87	10	0.1	465	1.80	2	1.7	1	1	90	2.7	0.4	780	0.4	35	-1.0	-1	5.0
93J06	851493	10	488198	6028397	6	0		ANDS	33	1	3	2	3	1	8		1.0	2	1	0	0	0	130	1	0	2007	7.6	0.24	74	77	26	3	64	12	0.1	1160	2.90	2	1.7	1	1	114	6.3	0.3	800	0.4	50	-1.0	-1	8.0
93J06	851494	10	473344	6020922	6	0		ANDS	33	1	3	1	3	1	8		1.0	2	1	1	0	0	031	1	0	2107	6.6	0.02	38	83	50	3	150	15	0.1	755	2.80	2	2.2	1	1	90	7.2	0.7	920	0.4	55	-1.0	-1	3.6
93J06	851495	10	487730	6016934	1	0		ANDS	33	0	4	2	3	1	0		0.0	0	0	0	0	0	030	8	0	2107	-1.0	-1.00	-1	67	14	1	56	10	0.1	1400	2.90	2	1.7	1	1	54	16.2	0.3	1040	0.1	38	-1.0	-1	8.2
93J06	851496	10	493605	6020066	1	0		ANDS	33	0	4	2	3	1	8		0.0	0	0	0	0	0	031	6	0	2107	-1.0	-1.00	-1	140	39	5	98	13	0.1	695	3.30	2	1.5	1	1	120	4.5	0.7	680	0.6	55	-1.0	-1	15.4
93J05	851497	10	450648	6028464	6	10		ANDS	33	1	3	1	3	1	8		3.0	4	2	0	0	0	111	1	0	2207	7.6	0.08	56	130	31	5	99	4	0.2	1600	3.10	2	2.7	1	1	126	3.6	0.4	720	0.8	50	-1.0	-1	17.0
93J05	851498	10	450648	6028464	6	20		ANDS	33	1	3	1	3	1	8		3.0	4	2	0	0	0	111	1	0	2207	7.6	0.10	54	70	16	1	59	10	0.1	2400	3.10	1	2.1	1	1	66	17.1	0.3	1000	0.1	43	-1.0	-1	9.0
93J05	851499	10	439204	6022301	6	0		LMSN	23	1	4	2	3	1	0		1.0	2	0	0	0	0	013	3	0	2207	7.5	0.14	58	34	31	1	33	5	0.1	455	0.90	5	6.5	1	1	420	2.7	1.0	440	1.2	13	-1.0	-1	79.6
93J05	851500	10	438810	6025126	6	0		ANDS	33	1	3	1	3	1	0		1.0	1	1	0	0	0	013	3	0	2207	8.0	0.13	60	26	32	1	29	2	0.1	110	0.48	4	2.4	1	1	300	0.5	0.4	600	0.8	13	-1.0	-1	64.6
93J05	851502	10	440422	6025227	6	0		ANDS	33	1	4	2	3	1	8		0.5	1	1	0	0	0	221	6	0	2207	8.1	0.02	64	55	25	4	41	9	0.1	360	2.20	2	1.8	1	1	90	5.4	0.5	720	0.2	38	-1.0	-1	4.6
93J05	851504	10	442810	6023765	1	0		ANDS	33	0	4	2	3	1	0		0.0	0	0	0	0	0	031	1	0	2207	-1.0	-1.00	-1	79	40	4	70	12	0.1	865	2.70	2	1.9	1	1	180	6.3	0.9	900	0.4	48	-1.0	-1	5.0
93J05	851505	10	436111	6029863	6	0		ANDS	33	1	3	1	3	1	8		1.0	1	1	0	0	0	221	1	0	2207	7.4	0.06	52	76	50	5	64	14	0.1	615	2.80	2	2.2	1	1	72	5.8	0.7	920	0.1	55	-1.0	-1	5.6
93J05	851506	10	440031	6029632	6	0		ANDS	33	1	4	2	3	1	8		1.0	1	1	1	0	0	031	6	0	2207	7.7	0.02	54	54	29	3	64	10	0.1	510	1.90	1	2.7	1	1	420	5.4	0.7	920	0.2	35	-1.0	-1	2.2
93J05	851507	10	442123	6029079	6	0		ANDS	33	1	4	2	3	0	8		1.0	1	1	0	0	0	310	8	0	2207	7.7	0.02	44	92	38	5	70	14	0.1	545	2.70	2	1.8	1	1	120	5.4	0.8	800	0.2	53	-1.0	-1	5.0
93J05	851508	10	443601	6028551	6	0		ANDS	33	1	3	1	3	1	8		3.0	3	1	0	0	0	031	6	0	2207	7.2	0.02	54	66	34	4	98	14	0.1	510	2.10	1	1.8	1	1	120	4.1	0.6	800	0.4	40	-1.0	-1	3.6
93J05	851516	10	465923	6036980	1	0		ANDS	33	0	4	2	3	1	8		0.0	0	0	0	0	0	022	3	0	2407	-1.0	-1.00	-1	95	58	4	160	13	0.2	1650	3.40	2	3.5	1	1	210	7.2	0.9	820	0.8	60	-1.0	-1	23.4
93J12	851517	10	448247	6042310	6	0		BSLT	42	1	4	2	3	1	0		1.5	1	1	1	0	0	022	1	0	2407	6.6	0.02	50	54	19	3	53	9	0.2	255	1.60	1	1.9	1	2	108	1.8	0.3	680	0.1	35	-1.0	-1	5.0
93J12	851518	10	447055	6061506	6	0		ANDS	33	1	4	1	3	1	0		1.5	2	1	0	0	0	022	1	0																									

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J14	851616	10	499774	6086733	6	0	BSLT	21	1	3	2	3	1	1		0.2	1.1	0		0	0	211	1	0	0607	8.1	0.12	44	70	60	2	80	20	0.1	790	3.20	2	2.2	1	1	108	4.5	0.9	600	0.6	80	-1.0	-1	13.0
93J14	851617	10	492112	6087461	6	0	BSLT	21	1	3	1	1	1	1		0.5	1.1	0		7	0	211	1	0	0607	7.9	0.02	44	130	45	6	29	13	0.1	660	2.80	2	3.6	1	1	138	9.0	1.2	780	0.2	65	-1.0	-1	5.0
93J14	851618	10	488333	6085508	1	0	BSLT	21	0	3	2	3	1	1		0.0	0.0	0		0	0	211	3	0	0607	-1.0	-1.00	-1	160	95	6	54	22	0.1	1100	4.50	15	5.9	1	1	264	13.5	5.1	1020	1.2	63	-1.0	-1	11.4
93J14	851619	10	485974	6082628	6	0	BSLT	21	1	3	3	3	0	1		1.5	4.2	0		1	0	211	3	0	0607	7.7	0.10	36	67	32	1	21	9	0.1	680	2.50	3	4.1	1	1	102	12.6	0.6	800	0.2	48	-1.0	-1	6.4
93J14	851620	10	480827	607875	1	0	GRNG	50	0	3	2	4	1	1		0.0	0.0	0		1	0	211	3	0	0607	-1.0	-1.00	-1	130	44	13	34	13	0.1	1200	2.50	2	4.2	1	1	126	5.4	0.6	860	1.0	55	-1.0	-1	22.0
93J14	851622	10	479442	6077661	6	0	GRNG	50	1	3	1	1	5	1		2.0	7.1	0		7	0	211	3	1	0607	7.2	0.07	40	95	24	7	35	13	0.1	590	3.60	2	6.1	1	1	60	5.4	0.2	860	0.1	60	-1.0	-1	7.6
93J14	851623	10	478546	6076849	6	0	GRNG	50	1	3	2	3	1	1		2.5	5.1	0		0	0	211	3	0	0607	7.0	0.09	38	60	24	4	25	11	0.1	715	2.60	2	13.1	1	1	75	2.7	0.2	800	0.1	50	-1.0	-1	5.8
93J14	851625	10	475534	6074096	6	0	QZMZ	36	1	3	2	3	1	1		0.5	1.1	0		0	0	310	3	0	0607	6.9	0.05	36	37	24	2	22	6	0.1	285	1.70	1	5.3	1	1	58	2.2	0.3	940	0.1	43	-1.0	-1	8.0
93J11	851626	10	498295	6058194	6	0	ANDS	33	1	3	2	3	1	8		0.4	1.1	0		0	0	211	3	1	0707	7.3	0.02	46	50	22	1	45	10	0.1	485	2.00	1	2.7	1	1	100	5.4	0.6	720	0.2	50	-1.0	-1	2.6
93J11	851627	10	496676	6054647	6	0	ANDS	33	1	3	2	3	1	8		2.0	2.1	0		3	0	121	3	1	0707	7.8	0.02	44	87	26	2	74	16	0.1	1450	3.50	1	2.0	1	2	133	8.1	0.5	780	0.2	55	-1.0	-1	11.4
93J11	851628	10	495227	6053257	6	0	ANDS	33	1	3	2	3	1	8		2.0	6.1	0		0	0	003	3	0	0707	7.1	0.02	46	95	19	1	35	11	0.2	1450	3.80	1	2.0	1	2	120	18.9	0.4	760	0.2	50	-1.0	-1	13.2
93J11	851629	10	493778	6054921	6	0	ANDS	33	1	3	2	3	0	2		3.0	10.1	3		0	0	021	1	0	0707	7.3	0.05	48	62	13	1	34	10	0.1	460	1.70	1	1.9	1	1	91	2.7	0.3	740	0.1	35	-1.0	-1	5.6
93J11	851630	10	492150	6056351	6	0	ANDS	33	1	3	2	3	0	2		1.0	3.1	3		0	0	021	1	0	0707	7.1	0.02	40	110	24	1	43	10	0.1	365	2.40	1	2.4	1	1	100	3.1	0.4	660	0.1	45	-1.0	-1	11.8
93J11	851631	10	494264	6056870	6	0	ANDS	33	1	3	2	3	0	8		2.0	5.1	3		0	0	310	3	0	0707	7.0	0.02	78	90	23	1	32	8	0.1	390	1.50	2	5.2	1	1	58	4.1	0.7	840	0.4	40	-1.0	-1	2.0
93J11	851632	10	496061	6058075	6	0	ANDS	33	1	3	2	3	1	1		2.2	5.1	0		0	0	210	1	0	0707	7.2	0.10	44	74	16	1	31	10	0.1	735	1.80	1	3.6	1	1	112	2.7	0.2	880	0.2	50	-1.0	-1	5.8
93J11	851633	10	498188	6061825	6	10	ANDS	33	1	3	2	3	1	1		2.4	6.2	0		0	0	220	6	0	0707	7.6	0.18	40	82	22	1	35	13	0.1	805	2.60	2	2.4	1	1	83	3.1	0.3	940	0.4	68	-1.0	-1	7.8
93J11	851634	10	498188	6061825	6	20	ANDS	33	1	3	2	3	1	1		2.4	6.2	0		0	0	220	6	0	0707	7.6	0.18	42	74	19	1	32	10	0.2	610	2.20	2	2.6	1	1	60	2.7	0.3	940	0.2	50	-1.0	-1	5.4
93J11	851635	10	499201	6063932	6	0	ANDS	33	1	3	2	3	1	1		1.0	4.1	0		0	0	210	1	0	0707	8.1	0.20	48	92	33	1	52	12	0.1	1500	2.40	2	4.1	1	1	380	5.8	0.3	820	1.2	55	-1.0	-1	9.0
93J11	851666	10	487422	6061679	1	0	GRNG	50	0	4	2	3	0	0		0.0	0.0	0		0	0	012	3	0	1307	-1.0	-1.00	-1	160	49	3	90	17	1.0	1000	3.20	3	1.3	1	1	185	3.2	0.4	820	1.2	68	-1.0	-1	29.6
93J11	851667	10	487262	6061114	1	0	GRNG	50	0	4	2	3	0	0		0.0	0.0	0		0	0	012	3	0	1307	-1.0	-1.00	-1	400	4	2	48	5	0.8	145	0.90	2	3.1	1	1	385	0.8	0.4	500	1.4	20	-1.0	-1	58.8
93J11	851668	10	489043	6054080	6	0	ANDS	33	1	3	2	3	1	8		0.4	2.1	0		0	0	121	3	0	1307	6.9	0.02	36	73	16	1	35	7	0.2	450	1.40	2	3.7	1	2	131	0.8	0.1	960	0.4	43	-1.0	-1	13.2
93J11	851669	10	493250	6044937	1	0	ANDS	33	0	4	2	3	0	1		0.0	0.0	0		0	0	013	3	0	1307	-1.0	-1.00	-1	56	50	2	58	10	0.4	1350	1.50	2	1.9	1	1	385	1.6	0.4	440	2.0	38	-1.0	-1	72.2
93J11	851670	10	493794	6044460	6	0	ANDS	33	1	3	2	3	0	1		0.3	2.1	0		0	0	120	3	0	1307	7.4	0.02	40	74	20	1	63	14	0.1	885	2.70	2	1.9	1	1	108	4.8	0.4	840	0.1	70	-1.0	-1	6.0
93J11	851671	10	496741	6042783	6	0	ANDS	33	1	4	2	3	0	8		1.0	1.1	0		0	0	121	3	0	1307	7.2	0.02	44	90	37	2	69	17	0.1	1180	3.30	2	2.4	1	1	168	4.8	0.6	820	0.6	85	-1.0	-1	21.0
93J11	851672	10	499172	6040426	6	0	ANDS	33	1	4	2	3	0	1		1.0	3.1	0		0	0	012	3	0	1307	6.8	0.02	36	44	32	1	38	9	0.1	1800	1.30	2	1.9	1	1	385	1.6	0.4	300	1.2	15	-1.0	-1	74.8
93J06	851690	10	490539	6022004	1	0	ANDS	33	0	3	2	3	1	8		0.0	0.0	0		0	0	031	3	0	2107	-1.0	-1.00	-1	420	38	6	84	16	0.2	725	2.50	2	2.5	1	1	185	2.4	0.5	760	2.0	60	-1.0	-1	29.0
93J06	851692	10	486067	6012967	1	0	ANDS	33	0	4	2	3	0	1		0.0	0.0	0		0	0	031	3	0	2207	-1.0	-1.00	-1	128	39	3	65	5	0.4	130	0.90	2	3.1	1	1	308	0.8	0.4	600	0.2	28	-1.0	-1	58.2
93J06	851693	10	481269	6015154	1	0	ANDS	33	0	4	2	3	0	8		0.0	0.0	0		0	0	022	3	0	2207	-1.0	-1.00	-1	43	43	2	65	7	0.2	355	1.40	2	3.2	1	1	331	0.8	0.2	780	0.4	25	-1.0	-1	67.0
93J06	851695	10	493518	6017882	6	10	ANDS	33	1	4	2	3	1	1		1.0	2.0	1		0	0	130	3	0	2007	7.0	0.50	56	190	39	5	130	21	0.1	1700	4.00	3	3.4	1	1	223	6.4	0.6	900	1.0	70	-1.0	-1	23.8
93J06	851696	10	493518	6017882	6	20	ANDS	33	1	4	2	3	1	1		1.0	2.0	1		0	0	130	3	0	2007	8.1	0.72	58	180	36	4	120	20	0.2	1600	3.80	3	2.4	1	1	254	6.4	0.4	860	1.0	65	-1.0	-1	23.4
93J03	851697	10	495331	6008010	1	0	ANDS	33	0	4	2	3	0	0		0.0	0.0	0		3	0	130	1	0	2007	-1.0	-1.00	-1	71	19	2	39	11	0.1	1800	2.30	2	3.7	1	1	69	3.2	0.2	860	0.4	45	-1.0	-1	7.6
93J03	851698	10	495681	6008347	1	0	ANDS	33	0	4	2	3	1	0		0.0	0.0	0		3	0	130	1	0	2007	-1.0	-1.00	-1	59	20	3	39	12	0.1	705	2.30	1	3.3	1	1	77	2.8	0.2	900	0.1	50	-1.0	-1	5.6
93J03	851699	10	495932	6003935	6	0	ANDS	33	1	3	2	3	1	0		0.6	2.1	1		0	0	131	3	0	2007	7.2	0.02	50	91	19	4	29	10	0.1	480	2.30	1	1.7	1	1	85								

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J11	851756	10	486830	6054634		1	0	GRNG	50	0	4	2	3	1	1		0.0	0.0	0	4	0	120	3	0	2608	-1.0	-1.00	-1	80	26	1	52	10	0.1	760	2.60	2	2.2	1	1	69	8.0	0.6	1080	0.4	55	-1.0	-1	5.6
93J11	851757	10	486627	6054297		1	0	GRNG	50	0	4	2	3	1	1		0.0	0.0	0	0	0	030	6	0	2608	-1.0	-1.00	-1	140	39	5	56	14	0.1	570	2.50	3	2.5	1	1	85	6.4	0.4	1060	0.1	58	-1.0	-1	3.8
93J11	851758	10	488945	6058777		1	0	GRNG	50	0	4	2	3	0	8		0.0	0.0	0	0	0	013	3	0	2608	-1.0	-1.00	-1	28	41	3	48	6	0.6	170	1.30	4	5.9	1	1	292	3.2	0.1	420	2.4	35	-1.0	-1	76.6
93J13	851762	10	461929	6075691		1	0	GRNG	50	0	4	2	3	1	1		0.0	0.0	0	0	0	012	3	0	2708	-1.0	-1.00	-1	31	17	3	9	4	0.1	145	0.33	3	0.8	1	1	166	0.8	0.3	160	0.2	10	-1.0	-1	75.2
93J13	851763	10	460316	6077762		1	0	GRNG	50	0	4	2	3	1	1		0.0	0.0	0	0	0	030	6	0	2708	-1.0	-1.00	-1	58	29	10	22	10	0.1	405	2.80	3	3.1	3	1	58	2.4	0.3	660	0.1	63	-1.0	-1	15.6
93J13	851764	10	454487	6078235		1	0	GRNG	50	0	4	2	4	0	1		0.0	0.0	0	0	0	030	6	0	2708	-1.0	-1.00	-1	44	19	3	18	9	0.1	405	1.80	2	2.3	1	1	26	2.8	0.6	860	0.1	45	-1.0	-1	4.2
93J13	851765	10	449309	6074804		1	0	ANDS	33	0	4	2	3	1	0		0.0	0.0	0	3	0	031	1	0	2708	-1.0	-1.00	-1	62	28	1	23	12	0.1	645	2.70	2	1.4	1	1	51	5.6	0.1	920	0.1	73	-1.0	-1	6.8
93J04	851778	10	456821	6003444		6	0	BSLT	42	1	4	1	3	1	0		1.5	2.1	0	0	0	031	6	0	0609	7.7	0.80	78	69	29	4	29	9	0.1	425	2.10	3	2.2	1	1	64	4.0	0.4	640	0.1	43	-1.0	-1	14.8
93J04	851779	10	453960	6003846		6	0	CHRT	23	1	4	1	3	1	0		1.0	2.0	0	0	0	121	6	0	0609	8.0	0.84	76	60	26	4	29	8	0.1	265	1.60	2	2.0	1	1	64	3.2	0.2	740	0.1	40	-1.0	-1	8.6
93J04	851780	10	452386	6003485		6	0	CHRT	23	1	4	1	3	1	0		1.5	2.1	0	3	0	120	6	0	0609	7.7	0.34	68	62	18	3	32	9	0.1	705	2.20	1	1.8	1	1	38	4.8	0.4	820	0.1	43	-1.0	-1	7.6
93J04	851782	10	450522	6003924		6	0	CHRT	23	1	4	1	3	1	0		3.0	3.0	1	0	0	031	6	0	0609	8.2	0.62	78	71	31	5	33	11	0.1	710	2.60	3	2.4	1	2	80	7.2	0.5	700	0.1	58	-1.0	-1	7.0
93J04	851783	10	448571	6005366		6	0	CHRT	23	1	4	1	3	1	0		2.5	4.1	0	0	0	031	1	0	0609	8.9	0.62	72	58	20	3	28	9	0.1	370	2.20	1	1.7	1	1	53	5.2	0.6	760	0.1	45	-1.0	-1	5.0
93J04	851784	10	443319	6005845		6	0	CHRT	23	1	4	1	3	1	0		0.2	4.1	0	3	0	120	1	0	0609	7.6	0.29	70	58	22	2	49	13	0.2	820	2.50	2	1.9	1	1	27	4.4	0.6	860	0.2	90	-1.0	-1	3.6
93J04	851785	10	441456	6006500		6	0	CHRT	23	1	4	1	3	1	0		3.0	6.1	0	0	0	030	6	0	0609	7.8	0.20	36	75	25	5	32	9	0.1	415	2.60	2	2.6	1	1	74	5.6	0.4	700	0.1	50	-1.0	-1	7.8
93J04	851786	10	438951	6007257		6	0	CHRT	23	1	4	1	3	1	0		2.5	4.1	0	0	0	030	1	0	0609	7.1	0.02	26	70	26	5	27	10	0.1	455	2.70	3	1.8	1	1	53	7.2	0.7	680	0.2	63	-1.0	-1	5.6
93J04	851787	10	437510	6006521		6	0	CHRT	23	1	4	1	3	1	0		3.0	3.0	0	0	0	030	6	0	0609	7.4	0.02	28	66	32	5	28	10	0.1	645	3.10	2	1.7	1	1	69	12.0	0.8	700	0.1	65	-1.0	-1	4.0
93J04	851788	10	436276	6008141		6	0	CHRT	23	1	4	1	3	1	0		2.0	2.1	0	3	0	130	1	0	0609	6.9	0.02	26	82	23	6	36	16	0.1	835	2.60	1	1.7	1	1	27	4.8	0.5	780	0.2	60	-1.0	-1	6.0
93J04	851789	10	460795	6001632		6	0	ANDS	33	1	4	1	3	0	0		0.5	1.0	0	0	0	031	8	0	0709	7.3	0.10	30	82	21	4	25	8	0.1	480	2.90	4	2.7	1	1	53	14.4	0.4	680	0.1	55	-1.0	-1	8.0
93J04	851790	10	464842	6001554		6	0	ANDS	33	1	4	1	3	1	0		0.6	2.0	0	0	0	031	6	0	0709	8.0	1.00	82	55	14	2	21	7	0.1	3550	2.30	2	1.6	1	1	42	12.8	0.4	820	0.1	50	-1.0	-1	3.8
93J04	851791	10	466737	6000626		6	0	ANDS	33	1	4	1	3	1	0		3.0	2.0	0	0	0	031	6	0	0709	7.5	0.85	76	51	13	3	21	5	0.1	355	2.20	2	1.8	1	1	24	5.2	0.6	640	0.1	58	-1.0	-1	2.6
93J04	851793	10	465046	5999173		6	0	ANDS	33	1	4	1	3	1	0		1.5	1.1	0	3	0	120	6	0	0709	7.3	0.11	60	62	21	3	35	10	0.1	590	2.00	2	2.7	1	2	42	4.0	0.4	860	0.1	48	-1.0	-1	7.0
93J04	851794	10	465459	5999008		1	0	ANDS	33	0	4	2	3	0	0		0.0	0.0	0	3	0	120	1	0	0709	-1.0	-1.00	-1	60	19	3	29	10	0.1	415	2.10	2	1.7	1	1	42	5.2	0.4	760	0.1	45	-1.0	-1	3.8
93J04	851795	10	451698	5986118		1	0	BSLT	42	0	4	2	3	0	8		0.0	0.0	0	0	0	121	1	0	0809	-1.0	-1.00	-1	170	24	6	23	10	0.1	870	2.40	3	1.6	1	2	42	4.0	0.4	700	0.6	50	-1.0	-1	19.4
93J04	851796	10	451616	5986460		1	0	BSLT	42	0	4	2	3	0	8		0.0	0.0	0	0	0	030	6	0	0809	-1.0	-1.00	-1	98	18	5	17	9	0.1	595	2.10	2	2.4	1	2	32	3.2	0.4	660	0.1	48	-1.0	-1	10.0
93J04	851797	10	444153	5994723		1	0	CHRT	23	0	4	2	3	0	0		0.0	0.0	0	0	0	210	6	0	0809	-1.0	-1.00	-1	42	13	2	18	8	0.1	720	1.40	2	2.7	1	2	27	1.6	0.3	800	0.1	35	-1.0	-1	6.6
93J13	851810	10	437892	6075667		6	0	ANDS	33	1	3	1	3	1	1		3.0	4.1	0	1	0	310	1	0	0607	7.7	0.02	52	51	18	1	20	6	0.1	605	1.40	1	1.7	1	1	90	5.6	0.2	1140	0.1	48	-1.0	-1	0.0
93J13	851811	10	448043	6076233		6	0	ANDS	33	1	3	1	3	1	0		3.0	1.1	0	0	0	310	1	0	0607	7.6	0.06	38	64	19	1	21	12	0.1	1250	2.20	2	2.4	1	1	78	5.4	0.3	1000	0.1	68	-1.0	-1	0.0
93J13	851813	10	465741	6075181		6	0	GRNG	50	1	4	1	3	1	0		1.0	1.1	1	0	0	211	1	0	0607	6.7	0.02	34	78	28	12	32	80	1.0	8050	7.50	2	0.0	0	1	0	32.8	0.4	0	0.8	70	-1.0	-1	-1.0
93J14	851814	10	469713	6075566		6	0	GRNG	50	1	3	1	3	1	0		2.5	2.1	0	0	0	310	1	0	0607	6.6	0.12	32	82	19	9	24	18	0.1	3750	3.20	4	9.1	1	1	66	10.4	0.4	800	0.1	73	-1.0	-1	0.0
93J06	851815	10	498700	6019300		6	0	ANDS	33	1	4	2	3	1	0		1.0	3.0	1	0	0	120	2	0	2107	7.4	0.09	52	65	30	3	40	12	0.1	710	2.20	2	1.5	1	1	75	6.4	0.6	780	0.6	50	-1.0	-1	0.0
93J06	851816	10	497646	6020032		1	0	ANDS	33	0	4	2	3	1	0		0.0	0.0	0	0	0	121	2	0	2107	-1.0	-1.00	-1	70	34	4	42	16	0.2	725	2.80	2	2.1	1	1	69	5.6	0.5	740	0.2	63	-1.0	-1	0.0
93J06	851817	10	499080	6023129		6	0	ANDS	33	1	4	2	3	1	1		0.1	2.0	3	3	0	121	2	0	2107	6.7	0.02	66	68	29	4	39	9	0.1	740	2.40	2	2.8	1	1	108	5.2	0.5	700	0.2	55	-1.0	-1	12.0
93J06	851818	10	498286	6025776		6	0	ANDS	33	1	4	2	3	1	1		0.2	1.0	3	0	0	210	2	0	2107	-1.0	-1.00	-1	74	38	3	83	14	0.1	430	2.40	2	2.1	1	1	162	5.2	1.0	900	0.2	55	-1.0	-1	0.0

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J14	851856	10	484527	6091680	6	0	BSLT	21	3	4	1	3	1	0		1.0	2	1	0	3	0	120	6	0	1409	7.9	0.88	70	130	45	9	37	11	0.8	375	2.50	4	4.6	1	1	63	22.4	2.0	960	1.0	38	-10	-1	7.0
93J14	851857	10	482322	6092907	6	0	BSLT	21	1	4	1	3	1	0		1.5	2	0	0	0	0	012	3	0	1409	6.6	0.02	34	120	44	10	35	10	0.6	750	2.00	3	6.4	1	2	105	2.4	0.4	820	1.6	40	-10	-1	31.4
93J14	851858	10	479911	6092635	6	0	BSLT	21	1	3	1	3	1	0		2.0	3	1	0	3	0	120	6	0	1409	6.8	0.02	34	56	17	5	18	8	0.1	1000	1.70	3	5.2	1	1	42	2.8	0.2	1100	0.2	35	-10	-1	7.8
93J14	851859	10	478991	6092941	6	0	BSLT	21	1	4	1	3	0	0		1.0	2	1	0	0	0	012	3	0	1409	6.1	0.02	30	28	9	1	4	4	0.1	930	1.00	2	1.3	1	1	175	0.5	0.1	400	0.4	5	-10	-1	87.2
93J14	851860	10	477032	6093551	6	0	BSLT	21	1	4	1	3	1	0		2.5	3	2	0	3	0	120	2	0	1409	6.3	0.12	34	36	14	3	13	4	0.2	210	1.30	1	7.3	3	1	315	1.6	0.1	3440	0.1	28	-10	-1	3.4
93J14	851862	10	472689	6091497	1	0	MSDM	11	0	4	1	3	1	0		0.0	2	0	0	3	0	030	1	0	1409	-1.0	-1.00	-1	33	14	5	13	6	0.6	155	1.30	2	5.7	1	1	56	0.5	0.1	2320	0.1	30	-10	-1	10.6
93J13	851863	10	466167	6091558	6	0	GRNG	50	1	4	2	3	1	0		2.5	4	0	0	0	0	012	3	0	1409	5.5	0.02	22	96	22	10	26	18	0.1	525	2.80	2	6.3	1	1	147	1.2	0.1	600	0.6	50	-10	-1	26.0
93J13	851864	10	466722	6089584	6	0	MSDM	11	1	4	1	3	0	0		2.0	4	0	0	0	0	012	1	0	1409	4.8	0.02	10	15	9	4	6	3	0.1	35	0.25	2	1.9	1	1	77	0.5	0.1	220	0.2	5	-10	-1	65.4
93J14	851865	10	470072	6087030	6	0	QZMZ	36	1	3	1	3	1	0		3.0	4	1	0	0	0	030	1	0	1409	6.0	0.08	22	62	11	10	19	12	0.1	260	2.20	2	7.7	1	1	56	0.8	0.1	660	0.1	40	-10	-1	10.2
93J14	851866	10	474966	6088144	6	0	MSDM	11	1	3	1	3	1	0		2.7	1	2	0	3	0	120	1	0	1409	6.4	0.12	28	70	19	8	22	20	0.1	2350	2.90	3	9.4	1	1	70	3.7	0.2	1940	0.2	50	-10	-1	9.4
93J14	851867	10	475301	6087522	6	0	MSDM	11	1	4	1	3	1	0		1.0	2	1	0	3	0	120	1	0	1409	6.0	0.05	32	46	15	4	15	11	0.1	790	1.60	2	7.8	3	1	28	2.5	0.2	1660	0.1	35	-10	-1	3.8
93J14	851868	10	474196	6087173	6	0	MSDM	11	1	4	1	3	1	0		1.5	2	1	0	3	0	120	1	0	1409	6.5	0.18	26	38	10	3	12	5	0.1	300	1.40	1	15.2	1	1	14	1.7	0.1	840	0.1	28	-10	-1	2.8
93J14	851869	10	475654	6089547	6	0	MSDM	11	1	4	1	3	1	0		3.0	2	2	0	3	0	120	1	0	1409	6.3	0.20	32	55	31	4	18	7	0.1	205	1.40	2	13.7	1	1	98	0.8	0.1	1060	0.4	28	-10	-1	7.6
93J14	851870	10	478749	6089069	1	0	MSDM	11	0	4	1	3	1	0		0.0	0	0	0	3	0	030	1	0	1409	-1.0	-1.00	-1	57	21	5	17	13	0.6	825	1.90	3	7.5	1	1	63	2.5	0.1	2400	0.2	40	-10	-1	10.2
93J14	851871	10	482006	6087518	6	0	BSLT	21	1	4	1	3	1	0		2.5	1	1	0	3	0	210	1	0	1409	6.3	0.06	28	84	57	2	41	15	0.1	250	3.70	3	2.5	1	1	112	10.0	1.4	1020	0.6	65	-10	-1	12.0
93J14	851872	10	485199	6088411	0	10	BSLT	21	1	4	1	3	1	0		0.0	0	1	0	0	0	021	6	0	1409	6.7	0.02	36	48	36	2	21	9	0.1	265	1.90	1	3.8	1	1	74	1.7	0.5	1040	0.1	50	-10	-1	6.4
93J14	851873	10	485199	6088411	0	20	BSLT	21	1	4	1	3	1	0		0.0	0	1	0	0	0	021	6	0	1409	6.8	0.02	38	43	32	2	19	8	0.1	245	1.90	1	2.9	1	1	98	2.5	0.4	1020	0.1	45	-10	-1	4.4
93J14	851874	10	485333	6079340	6	0	ANDS	33	1	4	2	3	1	0		1.0	1	1	0	0	0	012	3	0	1409	6.8	0.02	40	39	5	1	1	1	0.1	100	1.80	8	0.5	1	1	224	0.5	0.1	180	0.1	5	-10	-1	85.6
93J14	851876	10	488512	6079643	6	0	BSLT	21	1	4	1	3	1	0		3.0	4	0	0	0	0	211	1	0	1409	6.8	0.02	32	54	27	2	18	6	0.1	380	2.00	2	3.0	1	1	56	2.5	0.4	880	0.1	53	-10	-1	15.6
93J14	851877	10	490241	6081432	6	0	BSLT	21	1	4	1	3	1	0		1.0	1	0	0	0	0	012	3	0	1409	6.7	0.02	30	76	41	3	15	3	0.4	5200	1.50	3	1.5	1	1	343	7.5	0.4	320	1.5	20	-10	-1	78.4
93J14	851878	10	495378	6083835	1	0	BSLT	21	0	4	2	3	0	0		0.0	0	0	0	0	0	013	3	0	1409	-1.0	-1.00	-1	49	29	1	16	9	0.1	4100	0.34	12	0.7	1	1	203	0.8	0.4	360	0.8	15	-10	-1	89.2
93J14	851879	10	497990	6082728	6	0	BSLT	21	1	4	2	3	1	0		3.0	2	0	0	0	0	012	3	0	1409	7.3	0.18	42	75	45	3	56	6	0.2	235	1.90	2	4.9	1	1	217	3.3	0.6	860	1.2	30	-10	-1	26.8
93J14	851880	10	499411	6076494	6	0	BSLT	21	1	4	1	3	0	0		2.0	4	0	0	0	0	012	3	0	1409	7.4	0.05	40	75	24	4	25	7	0.2	375	1.20	1	3.9	1	1	140	0.8	0.3	980	0.6	30	-10	-1	19.4
93J14	851882	10	499434	6072317	6	0	BSLT	21	1	4	1	3	1	0		1.0	3	0	0	0	0	012	3	0	1409	6.8	0.02	34	70	18	1	10	2	0.1	1060	0.90	3	1.0	1	1	217	1.7	0.2	1040	1.2	10	-10	-1	79.0
93J14	851883	10	498600	6067925	6	0	ANDS	33	1	4	1	3	1	0		4.0	4	0	0	0	0	012	3	0	1409	7.4	0.10	40	64	18	1	23	8	0.1	850	1.70	2	4.0	1	1	105	5.8	0.2	1040	0.4	38	-10	-1	16.6
93J11	851955	10	490372	6043009	6	0	ANDS	33	1	4	1	3	0	0		1.0	2	0	0	0	0	120	6	0	1609	6.8	0.02	22	120	42	3	110	12	0.6	935	2.80	30	3.7	1	1	240	3.7	0.5	700	1.0	50	-10	-1	38.4
93J11	851956	10	484233	6053131	6	0	GRNG	50	1	4	1	3	1	0		2.0	3	0	0	0	0	013	3	0	1609	7.2	0.02	60	65	26	2	54	13	0.1	670	2.00	1	3.6	1	1	102	3.3	0.4	940	0.3	50	-10	-1	7.8
93J11	851957	10	485162	6054831	6	0	GRNG	50	1	4	1	3	1	0		2.5	5	0	0	0	0	021	6	0	1609	6.7	0.02	66	66	25	2	54	12	0.1	710	2.00	2	3.3	1	1	90	3.3	0.4	900	0.2	48	-10	-1	8.8
93J11	851958	10	482151	6056052	6	0	GRNG	50	1	4	1	3	0	0		1.5	2	0	0	0	0	012	3	0	1609	6.4	0.10	34	71	38	2	43	9	0.1	520	2.30	2	3.4	1	1	198	4.6	0.3	500	1.4	45	-10	-1	46.8
93J11	851959	10	478988	6060021	6	0	GRNG	50	1	4	1	3	1	0		3.0	3	0	0	0	0	021	3	0	1609	6.5	0.18	36	42	32	2	30	1	0.1	220	0.90	4	4.4	1	1	150	2.1	0.2	300	0.7	30	-10	-1	56.4
93J11	851960	10	479292	6056987	6	0	GRNG	50	1	4	1	3	1	0		2.5	2	0	0	0	0	021	3	0	1609	6.7	0.02	34	75	39	3	56	7	0.1	320	2.00	2	4.7	1	1	180	4.1	0.4	780	0.5	53	-10	-1	30.0
93J11	851962	10	479496	6054232	6	0	GRNG	50	1	4	1	3	1	0		2.0	1	0	0	0	0	030	3	0	1609	7.7	0.20	52	69	30	2	55	11	0.1	605	2.60	2	2.0	1	1	144	5.8	0.4	880	0.2	60	-10	-1	8.6
93J11	851963	10	477397	6054842	6	0	GRNG	50	1	4	1	3	0	0		3.0	5	1	0	0	0	030	3	0	1609	6.8	0.02	32	65	21	1	47	12	0.1	2050	2.70	2	3.5	1	1	14400	9.1	0.4	940	0.2	55	-10</		

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J13	853000	10	461079	6094189	6	0		MSDM	11	1	4	2	3	1	0		1.0	2	0	0	0	0	130	6	0	1609	6.4	0.07	50	-1	-1	-1	-1	-1	-1.0	-1	-1.00	-1	-1.0	-1	1	-1	-1.0	-1.0	-1	-1.0	-1	-1.0	-1	-1.0
93J13	853002	10	463541	6091706	6	0		MSDM	11	1	4	1	3	1	0		1.2	3	1	0	3	0	120	6	0	1609	5.9	0.09	28	65	17	9	19	14	0.1	495	2.40	2	16.5	2	1	120	2.5	0.1	860	0.1	45	-1.0	-1	6.8
93J13	853003	10	459489	6067301	1	0		GRNG	50	1	4	2	3	1	0	0	0.0	0	0	0	3	0	220	6	0	1609	-1.0	-1.00	-1	87	36	3	54	12	0.2	840	3.20	2	1.6	1	1	15000	5.0	0.3	840	0.2	83	-1.0	-1	11.2
93J12	853004	10	448766	6066692	6	0		ANDS	33	1	4	1	3	1	0		1.0	4	1	0	3	0	030	3	0	1609	7.2	0.02	40	73	21	2	34	10	0.2	460	2.40	2	2.0	1	1	50	5.0	0.4	860	0.2	55	-1.0	-1	31.0
93J13	853005	10	448895	6067460	6	0		ANDS	33	1	4	1	3	0	0		0.5	2	1	0	0	0	031	6	0	1609	6.6	0.02	36	57	23	1	28	9	0.2	555	2.10	2	1.8	1	1	800	4.6	0.3	820	0.6	45	-1.0	-1	16.0
93J13	853006	10	451050	6069724	6	0		GRNG	50	1	4	1	3	0	0		2.0	10	1	0	0	0	021	1	0	1609	6.7	0.02	66	51	19	1	20	6	0.1	385	2.00	2	4.6	1	1	50	9.1	0.4	840	0.3	60	-1.0	-1	19.0
93J13	853007	10	449716	6071979	6	0		ANDS	33	1	4	1	3	0	0		3.0	20	1	1	0	0	012	1	0	1609	6.6	0.04	64	98	25	2	26	7	0.2	805	1.70	3	5.5	1	1	90	3.3	0.1	780	0.6	50	-1.0	-1	30.2
93J13	853008	10	447566	6072145	6	0		ANDS	33	1	4	1	3	1	0		1.0	4	1	0	0	0	120	1	0	1609	6.9	0.02	34	74	20	2	28	11	0.1	1010	3.00	2	2.3	1	1	60	5.0	0.2	1000	0.2	70	-1.0	-1	9.8
93J13	853009	10	453799	6073747	1	0		GRNG	50	0	4	1	3	0	0		0.0	0	0	0	0	0	030	1	0	1609	-1.0	-1.00	-1	71	29	7	27	6	0.1	290	2.10	2	3.2	1	1	55	2.1	0.2	720	0.2	45	-1.0	-1	16.8
93J13	853010	10	452395	6076021	6	0		GRNG	50	1	4	1	3	0	0		1.0	4	1	0	0	0	012	1	0	1609	5.5	0.02	26	19	25	2	13	8	0.2	0	0.90	3	0.5	1	1	140	1.7	0.2	280	1.0	33	-1.0	-1	71.6
93J13	853011	10	454312	6076762	6	0		GRNG	50	1	4	1	3	0	0		1.5	10	1	1	0	0	130	6	0	1609	6.3	0.11	110	59	25	6	21	8	0.2	590	1.90	2	5.7	1	1	60	2.5	0.3	840	0.3	50	-1.0	-1	8.6
93J13	853012	10	454508	6079485	6	0		GRNG	50	1	4	1	3	0	0		1.5	10	1	1	0	0	012	1	0	1609	5.9	0.02	42	27	25	2	17	2	0.6	120	1.00	2	2.9	1	1	200	0.8	0.1	340	0.5	20	-1.0	-1	63.6
93J13	853013	10	448809	6084529	6	0		GRNG	50	1	4	1	3	0	0		2.5	10	1	0	0	0	021	3	0	1609	5.9	0.02	26	45	72	4	22	5	0.2	170	1.20	5	4.3	1	1	100	2.5	0.4	680	0.8	65	-1.0	-1	28.6
93J13	853014	10	449820	6088908	6	0		ANDS	33	1	4	1	3	0	0		3.0	10	1	0	0	0	013	1	0	1609	6.8	0.02	38	60	36	4	26	9	0.1	290	2.00	2	1.6	1	1	70	3.3	0.4	800	0.2	65	-1.0	-1	9.4
93J13	853016	10	448586	6087087	6	10		ANDS	33	1	4	1	3	0	0		3.0	10	1	0	0	0	030	6	0	1609	7.1	0.02	46	53	29	2	25	11	0.1	490	2.20	1	2.2	1	1	60	4.1	0.4	900	0.1	60	-1.0	-1	6.2
93J13	853017	10	448586	6087087	6	20		ANDS	33	1	4	1	3	0	0		3.0	10	1	0	0	0	030	6	0	1609	7.2	0.02	48	54	32	2	26	9	0.2	495	2.30	1	1.7	1	1	70	4.1	0.4	900	0.1	63	-1.0	-1	5.6
93J13	853018	10	445688	6087724	6	0		ANDS	33	1	4	2	3	1	0		0.5	4	1	0	0	0	120	6	0	1609	6.6	0.02	32	56	43	2	22	9	0.2	430	2.10	1	1.9	1	1	80	4.1	0.4	920	0.2	68	-1.0	-1	16.0
93J13	853019	10	444564	6081084	6	0		ANDS	33	1	4	1	3	0	0		0.6	3	1	0	0	0	021	1	0	1609	6.9	0.02	38	89	22	1	34	15	0.1	1150	2.20	2	2.0	1	1	100	3.7	0.3	980	0.6	68	-1.0	-1	17.8
93J13	853020	10	443649	6077270	6	0		ANDS	33	1	4	1	3	0	0		0.4	4	1	0	0	0	022	1	0	1609	4.6	0.02	24	16	16	1	24	2	0.2	260	0.36	3	0.5	1	1	320	0.8	0.1	100	0.6	8	-1.0	-1	91.0
93J13	853022	10	440432	6076821	6	0		BSLT	42	1	4	1	3	0	0		3.0	20	1	1	0	0	022	1	0	1609	7.2	0.02	44	65	43	1	29	6	0.2	3350	1.70	4	2.1	1	1	260	10.0	0.4	300	0.8	40	-1.0	-1	50.6
93J13	853024	10	437978	6077375	6	0		ANDS	33	1	4	1	3	1	0		3.0	10	2	1	3	0	022	3	0	1609	6.9	0.02	54	64	36	3	28	10	0.1	2400	2.50	4	1.9	1	1	100	8.3	0.5	1040	0.4	70	-1.0	-1	10.2
93J13	853025	10	439277	6073546	6	0		BSLT	42	1	4	1	3	0	0		2.0	8	1	1	0	0	013	1	0	1609	6.7	0.02	40	59	32	3	53	7	0.1	220	1.20	4	2.8	1	1	180	1.7	0.2	680	0.4	48	-1.0	-1	32.0
93J13	853026	10	440939	6070372	6	0		ANDS	33	1	4	1	3	0	0		0.4	3	1	1	0	0	030	3	0	1609	6.4	0.02	38	59	23	2	31	11	0.1	855	2.30	2	3.1	1	1	110	2.1	0.2	360	0.4	60	-1.0	-1	13.2
93J13	853027	10	443492	6068682	6	0		ANDS	33	1	4	1	3	0	0		2.0	10	1	1	0	0	012	1	0	1609	6.1	0.02	34	20	36	2	28	1	0.1	65	0.42	2	2.0	1	1	250	0.8	0.1	900	0.9	25	-1.0	-1	60.0
93J12	853028	10	460859	6064279	6	0		GRNG	50	1	4	1	3	1	0		1.0	4	1	0	0	0	003	1	0	1609	6.0	0.02	10	27	24	1	19	1	0.4	50	0.30	2	1.8	1	1	370	0.5	0.2	260	1.6	15	-1.0	-1	56.2
93J12	853029	10	449916	6061067	6	0		ANDS	33	1	4	1	3	1	0		0.5	5	0	0	0	0	030	3	0	1609	6.6	0.02	26	33	97	2	41	3	0.2	490	1.30	3	3.4	1	2	300	19.1	0.5	600	1.2	75	-1.0	-1	67.2
93J12	853030	10	447779	6061836	6	0		ANDS	33	1	4	1	3	1	0		1.5	4	0	0	0	0	030	3	0	1609	7.2	0.02	36	71	26	3	39	11	0.1	770	2.20	1	2.1	1	1	70	3.3	0.3	860	0.5	60	-1.0	-1	11.0
93J12	853031	10	447521	6062655	6	0		ANDS	33	1	4	1	3	1	0		1.0	2	0	0	0	0	030	3	0	1609	7.3	0.02	40	47	10	1	20	6	0.1	355	1.40	1	1.8	1	1	50	1.7	0.1	880	0.1	43	-1.0	-1	4.0
93J12	853032	10	441758	6064411	6	0		BSLT	42	1	4	1	3	1	8		0.5	2	0	0	0	0	030	3	0	1609	6.6	0.02	43	57	13	3	20	8	0.1	705	1.70	2	1.5	1	2	40	2.5	0.1	720	0.3	53	-1.0	-1	6.4
93J12	853033	10	439603	6065237	6	0		BSLT	42	1	4	2	3	1	0		1.2	4	0	0	0	0	220	6	0	1609	7.2	0.05	40	73	27	3	39	9	0.1	2750	2.40	2	2.9	1	1	120	4.6	0.3	980	0.6	53	-1.0	-1	18.0
93J12	853034	10	439369	6062616	6	10		BSLT	42	1	4	1	3	1	0		2.0	4	1	0	0	0	130	6	0	1609	7.5	0.16	48	41	7	1	22	5	0.1	270	1.30	1	1.5	1	1	30	2.1	0.1	760	0.1	40	-1.0	-1	2.0
93J12	853035	10	439369	6062616	6	20		BSLT	42	1	4	1	3	1	0		2.0	4	1	0	0	0	130	6	0	1609	7.4	0.13	48	42	7	1	21	6	0.1	265	1.40	1	1.5	1	1	30	1.7	0.1	760	0.1	40	-1.0	-1	2.0
93J12	853036	10	439042	6060857	1	0		BSLT	42	0	4	2	3	1	0		0.0	0	0	0	0	0	030	3	0	1609	-1.0	-1.																						

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI
93J05	853155	10	466041	6029642	6	0	ANDS	33	1	4	1	3	0	0	1.0	4	0	0	0	0	021	1	0	1809	6.7	0.02	52	93	57	1	180	7	0.2	125	1.30	3	2.6	1	1	237	3.0	0.5	460	2.0	33	-10	-1	60.2	
93J05	853156	10	465932	6032048	6	0	ANDS	33	1	4	1	3	0	0	1.5	2	0	0	0	0	031	6	0	1809	6.1	0.02	52	93	29	4	40	10	0.1	705	2.10	2	1.8	1	1	96	3.0	0.5	660	0.6	55	-10	-1	19.0	
93J05	853157	10	461252	6033225	6	0	ANDS	33	1	4	1	3	0	0	1.0	2	0	0	0	0	022	6	0	1809	7.4	0.02	54	59	19	1	45	10	0.1	480	11.90	1	1.5	1	1	58	4.2	0.4	800	0.1	43	-10	-1	7.6	
93J12	853158	10	453642	6043481	6	10	ANDS	33	1	4	1	3	0	0	2.0	6	0	0	0	0	031	1	0	1809	5.7	0.02	26	98	43	4	78	13	0.2	680	2.80	2	3.1	1	1	160	3.4	0.8	640	0.8	65	-10	-1	28.6	
93J12	853159	10	453642	6043481	6	20	ANDS	33	1	4	1	3	0	0	2.0	6	0	0	0	0	031	1	0	1809	5.7	0.02	34	95	46	3	80	13	0.2	610	3.00	1	3.4	1	1	192	3.4	0.8	660	0.6	68	-10	-1	29.2	
93J12	853160	10	453100	6045329	6	0	ANDS	33	1	4	1	3	0	0	0.5	2	0	0	0	0	121	6	0	1809	6.4	0.02	32	58	22	1	42	6	0.2	245	1.50	1	1.7	1	1	115	1.7	0.4	620	0.2	35	-10	-1	24.2	
93J12	853162	10	454942	6046400	6	0	ANDS	33	1	4	1	3	0	0	1.0	4	0	3	0	0	031	1	0	1809	6.3	0.02	36	79	42	1	51	5	0.1	280	5.40	3	1.1	1	1	260	44.6	1.0	600	0.6	55	-10	-1	83.6	
93J12	853163	10	451182	6047571	6	0	ANDS	33	1	4	1	3	0	0	1.2	2	0	0	0	0	013	1	0	1809	6.0	0.02	38	49	29	2	54	2	0.2	425	0.71	2	0.8	1	1	299	0.9	0.4	200	0.2	13	-10	-1	85.8	
93J12	853164	10	444177	6046883	6	10	BSLT	42	1	4	1	3	1	0	1.5	4	0	0	0	0	030	6	0	1809	7.1	0.12	60	75	35	3	73	13	0.1	650	2.50	1	1.8	1	1	175	7.7	1.1	740	0.1	55	-10	-1	5.6	
93J12	853165	10	444177	6046883	6	20	BSLT	42	1	4	1	3	1	0	1.5	4	0	0	0	0	030	6	0	1809	7.2	0.11	60	74	34	4	73	13	0.1	655	2.50	2	1.8	1	1	174	8.5	1.1	760	0.1	50	-10	-1	5.4	
93J12	853166	10	441102	6047761	6	0	ANDS	33	1	4	1	3	0	0	3.0	11	0	0	0	0	031	3	0	1809	6.7	0.02	42	97	22	3	110	12	0.1	515	2.40	1	2.7	1	1	158	1.7	0.2	660	0.6	40	-10	-1	24.2	
93J12	853167	10	440729	6051246	6	0	ANDS	33	1	4	1	3	1	0	1.0	2	0	0	0	0	211	6	0	1809	7.0	0.02	56	71	24	2	79	13	0.2	1550	2.70	1	2.3	1	1	1530	5.1	0.4	740	0.1	53	-10	-1	10.4	
93J12	853168	10	435903	6049408	6	0	BSLT	42	1	4	1	3	1	0	1.4	4	0	0	0	0	013	3	0	1809	6.7	0.02	42	35	25	1	56	4	0.1	335	1.10	2	1.1	1	1	208	0.9	0.2	280	0.4	15	-10	-1	75.6	
93J12	853169	10	437036	6044805	6	0	ANDS	33	1	4	1	3	0	0	2.5	6	0	0	0	0	031	1	0	1809	6.7	0.02	38	64	25	3	72	10	0.1	455	1.30	1	2.1	1	1	174	0.9	0.3	300	0.6	25	-10	-1	53.4	
93J12	853170	10	436988	6042977	6	0	ANDS	33	1	4	1	3	0	0	4.0	10	0	0	0	0	022	1	0	1809	6.6	0.02	44	64	23	1	26	3	0.1	355	0.53	4	1.1	1	1	183	1.3	0.1	240	0.8	15	-10	-1	84.4	
93J12	853171	10	436867	6039511	6	0	ANDS	33	1	4	1	3	1	0	1.0	3	0	0	0	0	120	1	0	1809	7.2	0.24	80	85	55	7	150	23	0.2	1400	3.70	2	2.0	1	1	125	9.4	1.2	740	0.1	65	-10	-1	6.4	
93J12	853172	10	440967	6040601	6	0	ANDS	33	1	4	1	3	0	0	4.0	11	0	0	0	0	021	1	0	1809	7.0	0.02	110	44	11	1	30	6	0.1	380	1.60	2	1.4	1	1	58	3.0	0.1	660	0.1	33	-10	-1	7.2	
93J05	853173	10	449169	6037092	6	0	ANDS	33	1	4	2	3	1	0	1.2	2	0	0	0	0	031	1	0	1809	6.1	0.02	40	46	29	2	46	4	0.1	275	1.10	2	2.4	1	1	141	1.7	0.2	540	1.0	20	-10	-1	28.2	
93J05	853174	10	448474	6032541	1	0	ANDS	33	0	4	2	3	0	0	0.0	0	0	0	0	0	031	1	0	1809	-1.0	-1.00	-1	66	27	2	38	8	0.1	550	1.60	2	2.6	1	1	141	1.7	0.4	660	0.4	40	-10	-1	23.0	
93J05	853175	10	457635	6026283	6	0	ANDS	33	1	4	1	3	1	0	2.5	6	0	0	0	0	013	1	0	1809	6.2	0.02	40	15	29	1	45	3	0.1	175	0.60	2	1.0	1	1	133	0.9	0.3	360	0.1	18	-10	-1	85.4	
93J05	853176	10	465321	6024977	6	0	ANDS	33	1	4	1	3	1	0	4.0	10	0	0	0	0	013	4	0	1809	7.0	0.02	42	85	29	2	72	14	0.1	3250	3.00	2	2.0	1	1	158	6.8	0.4	740	0.6	45	-10	-1	45.2	
93J05	853177	10	462932	6023023	6	0	ANDS	33	1	4	1	3	1	0	3.5	12	0	0	0	0	022	3	0	1809	7.1	0.24	42	91	32	3	84	10	0.4	570	1.90	1	4.1	2	1	125	2.6	0.2	820	0.2	40	-10	-1	20.6	
93J05	853178	10	459364	6021699	6	0	ANDS	33	1	4	1	3	1	0	2.5	8	0	0	0	0	013	4	0	1809	6.4	0.02	40	55	46	2	59	8	0.1	355	1.20	2	2.0	1	1	232	2.6	0.4	540	1.0	33	-10	-1	74.8	
93J05	853179	10	452922	6020395	6	0	ANDS	33	1	4	1	3	1	0	1.4	4	0	0	0	0	022	3	0	1809	6.7	0.02	32	150	42	2	120	7	0.4	265	1.70	2	1.8	1	1	282	2.1	0.4	820	1.4	23	-10	-1	64.2	
93J05	853182	10	450895	6024789	1	0	ANDS	33	0	4	2	3	1	0	0.0	0	0	0	0	0	031	1	0	1809	-1.0	-1.00	-1	110	32	2	72	11	0.1	785	2.60	1	2.0	1	1	83	5.9	1.0	740	0.6	45	-10	-1	12.6	
93J05	853183	10	448272	6023375	6	0	ANDS	33	1	4	1	3	1	0	3.5	4	0	0	0	0	030	1	0	1809	7.0	0.07	36	92	26	2	62	10	0.4	350	2.00	2	2.4	1	1	141	2.6	0.4	900	0.2	38	-10	-1	17.6	
93J05	853184	10	436516	6026194	6	0	LMSN	23	1	4	1	3	1	0	1.0	2	0	0	0	0	120	1	0	1809	8.0	0.43	32	70	34	4	70	12	0.2	775	2.40	2	2.5	1	1	83	4.2	0.4	880	0.2	45	-10	-1	12.2	
93J05	853186	10	435980	6021433	1	0	LMSN	23	0	4	2	3	1	0	0.0	0	0	0	0	0	210	1	0	1809	-1.0	-1.00	-1	170	43	5	70	17	0.8	675	3.40	2	3.1	1	2	100	3.8	0.6	1260	1.0	55	-10	-1	18.4	
93J05	853187	10	437151	6020404	6	10	LMSN	23	1	4	1	3	1	0	1.4	4	0	0	0	0	120	6	0	1809	7.6	0.04	22	88	31	3	59	16	0.1	1130	3.20	2	2.0	1	1	75	3.8	0.4	1020	0.1	55	-10	-1	12.4	
93J05	853188	10	437151	6020404	6	20	LMSN	23	1	4	1	3	1	0	1.4	4	0	0	0	0	120	6	0	1809	7.2	0.06	10	87	27	4	57	17	0.2	895	2.90	2	1.9	1	1	75	3.0	0.4	1020	0.1	55	-10	-1	10.6	
93J05	853189	10	435909	6018139	1	0	LMSN	23	0	4	2	3	1	0	0.0	0	0	0	0	0	030	1	0	1809	-1.0	-1.00	-1	110	44	10	51	25	0.2	1700	3.90	2	2.8	1	2	58	10.2	0.8	580	0.2	63	-10	-1	16.4	
93J05	853190	10	437179	6015389	6	0	LMSN	23	1	4	2	3	1	0	1.0	2	0	0	0	0	120	1	0	1809	7.5	0.34	32	72	26	5	38	13	0.1	1200	2.80	2	2.3	1	1	50	6.8	0.6	740	0.1	50	-10	-1	7.4	
93J05	853191	10	439763	6013376	6	0	LMSN	23	1	4	2	3	1	6	1.0	2	0	0	0	0	021	1	0	1809	6.1	0.02	10	140	35	10	41	15	0.2	695	3.30	1	1.8	1	1	133	5.1	0.3	460	0.3	43	-10	-1	24.2	
93J05	853192	10	449064	6016715	6	0	ANDS	33	1	4																																							

MAP	ID	UTMZ	UTME	UTMN	ELEV	MAT	REP	RT	AGE	SRC	ODR	TYP	PHY	DRN	CON	WDTH	DPTH	FLW	WAT_COL	BNK	BNK_PPT	COMP	SED_COL	SED_PPT	DATE	PH	UW	FW	ZN	CU	PB	NI	CO	AG	MN	FE	MO	U	W	SN	HG	AS	SB	BA	CD	V	BI	CR	LOI	
93J04	853247	10	454191	6010885	6	0		ANDS	33	1	3	1	3	1	0		4.0	5	0	0	3	0	120	6	0	1909	7.1	0.12	36	56	12	2	30	7	0.1	755	1.70	1	1.6	1	2	46	3.0	0.3	760	0.1	28	-1.0	-1	5.8
93J04	853248	10	461247	6008939	6	10		ANDS	33	1	4	1	3	1	0		2.0	2	0	0	3	0	021	6	0	1909	6.5	0.02	46	53	18	3	33	7	0.1	340	1.40	2	2.2	1	1	141	1.7	0.3	600	0.4	30	-1.0	-1	29.2
93J04	853249	10	461247	6008939	6	20		ANDS	33	1	4	1	3	1	0		2.0	2	0	0	3	0	021	6	0	1909	6.5	0.02	44	53	18	3	32	7	0.1	350	1.40	1	2.6	1	1	141	1.7	0.3	560	0.4	30	-1.0	-1	29.0
93J04	853250	10	464299	6005864	6	0		ANDS	33	1	4	1	3	1	0		2.5	3	0	0	0	0	121	6	0	1909	6.2	0.02	30	80	32	4	48	10	0.1	1080	1.60	1	2.5	1	1	141	1.7	0.4	560	0.3	28	-1.0	-1	20.0
93J03	853251	10	468133	6004072	6	0		ANDS	33	1	4	2	3	1	0		3.0	1	0	0	3	0	120	6	0	1909	6.8	0.02	30	52	18	2	38	10	0.1	405	1.90	1	2.5	1	1	29	3.8	0.6	680	0.1	40	-1.0	-1	3.6
93J04	853252	10	466253	5996881	6	0		ANDS	33	1	4	1	3	1	0		2.7	4	0	0	0	0	021	3	0	1909	6.8	0.02	72	87	21	3	23	5	0.1	280	1.40	1	3.0	1	1	125	1.7	0.3	560	0.4	25	-1.0	-1	30.0
93J04	853253	10	462889	5995709	6	0		BSLT	42	1	3	1	3	1	0		4.0	2	1	0	3	0	220	6	0	1909	7.7	0.31	70	55	14	1	30	7	0.1	490	1.60	1	2.3	1	1	25	3.0	0.5	740	0.1	35	-1.0	-1	3.2
93J04	853254	10	466027	5994533	6	0		CHRT	23	1	4	1	3	1	0		1.0	1	1	0	3	0	120	6	0	1909	6.8	0.29	64	62	17	2	25	9	0.1	330	1.80	1	1.7	1	1	42	2.6	0.5	720	0.1	38	-1.0	-1	7.8
93J03	853255	10	467719	5993605	6	0		ANDS	33	1	4	1	3	1	0		3.0	3	0	0	3	0	210	6	0	1909	6.9	0.29	46	55	14	2	22	9	0.1	845	1.90	1	2.7	1	1	33	3.4	0.5	740	0.1	40	-1.0	-1	3.0
93J03	853256	10	469727	5995311	6	0		ANDS	33	1	4	1	3	1	0		1.0	1	1	0	3	0	120	6	0	1909	7.0	0.02	40	52	17	2	27	10	0.1	885	1.80	2	1.9	1	1	33	4.2	0.6	780	0.1	40	-1.0	-1	3.2
93J03	853257	10	468564	5991072	6	0		CHRT	23	1	4	1	3	1	0		4.0	2	1	0	3	0	220	6	0	1909	7.2	0.41	48	71	21	5	31	15	0.1	660	2.60	1	2.3	1	1	50	4.2	0.6	700	0.1	45	-1.0	-1	4.8
93J04	853258	10	463925	5990332	1	0		CHRT	23	0	4	2	3	1	0		0.0	0	0	0	3	0	030	6	0	1909	-1.0	-1.00	-1	72	27	5	36	7	0.1	335	2.30	1	3.1	1	3	83	2.6	0.4	620	0.1	35	-1.0	-1	22.8
93J04	853260	10	462654	5992376	6	0		CHRT	23	1	4	2	3	1	0		1.0	1	1	0	3	0	030	6	0	1909	7.3	0.25	42	62	18	2	28	10	0.2	665	2.20	1	1.4	1	1	75	4.2	0.6	620	0.1	38	-1.0	-1	4.4
93J04	853262	10	461102	5990498	1	0		CHRT	23	0	4	2	3	1	0		0.0	0	0	0	3	0	210	6	0	1909	-1.0	-1.00	-1	82	24	5	36	13	0.1	1040	2.70	2	2.9	1	1	38	5.9	0.6	740	0.1	45	-1.0	-1	6.6
93J04	853263	10	459927	5989667	6	0		CHRT	23	1	4	2	3	1	0		2.0	1	1	0	3	0	220	6	0	1909	8.1	2.20	110	63	14	3	25	10	0.1	1020	2.10	2	4.8	1	1	19	4.2	0.5	660	0.1	40	-1.0	-1	3.4
93J04	853264	10	460538	5987490	6	0		CHRT	23	1	4	1	3	1	0		1.7	1	1	0	3	0	220	6	0	1909	6.9	0.71	68	70	15	3	29	9	0.1	1500	1.90	2	4.0	1	2	19	3.0	0.5	720	0.1	35	-1.0	-1	6.2
93J04	853265	10	462751	5987419	6	0		CHRT	23	1	4	2	3	1	0		2.0	1	1	0	3	0	030	6	0	1909	7.6	1.30	90	39	7	2	13	7	0.1	380	1.40	2	2.9	1	1	19	1.7	0.4	600	0.1	35	-1.0	-1	6.4
93J03	853266	10	472522	5988137	6	0		ANDS	33	1	4	2	3	1	0		1.5	2	0	0	0	0	021	3	0	1909	6.1	0.02	46	110	42	8	33	9	0.2	335	1.90	2	2.1	1	1	90	1.7	0.7	440	0.2	43	-1.0	-1	29.2
93J03	853267	10	474113	5990548	6	0		ANDS	33	1	4	2	3	1	0		2.0	4	0	0	0	0	220	6	0	1909	6.7	0.08	44	27	27	2	24	6	0.2	155	0.73	1	4.0	1	1	32	0.5	0.4	740	0.1	15	-1.0	-1	5.4
93J03	853269	10	478782	5993224	1	0		ANDS	33	0	4	2	3	1	0		0.0	0	0	0	0	0	210	1	0	1909	-1.0	-1.00	-1	41	10	3	21	6	0.1	300	1.50	1	1.9	1	1	32	1.7	0.2	620	0.1	28	-1.0	-1	2.8
93J03	853270	10	481052	5993026	6	0		ANDS	33	1	4	2	3	1	0		2.5	4	0	0	0	0	021	3	0	1909	6.4	0.02	44	64	24	5	29	6	0.1	370	1.70	1	2.3	1	1	102	1.7	0.3	480	0.1	25	-1.0	-1	21.2
93J03	853271	10	479590	6000587	6	0		ANDS	33	1	4	1	3	1	0		3.0	6	0	0	0	0	022	6	0	1909	7.0	0.02	36	75	22	5	30	11	0.1	475	2.40	2	2.1	1	1	40	3.0	0.6	680	0.1	45	-1.0	-1	7.8
93J03	853272	10	485248	6000609	6	0		ANDS	33	1	4	1	3	1	0		2.2	4	0	0	0	0	012	3	0	1909	6.3	0.02	28	43	26	3	25	8	0.2	590	1.30	3	1.5	1	1	108	1.3	0.4	280	1.0	23	-1.0	-1	67.2
93J03	853273	10	483803	6004190	6	0		ANDS	33	1	4	2	3	1	0		2.5	6	0	0	0	0	012	1	0	1909	6.0	0.02	24	38	25	1	32	6	0.1	275	0.90	2	1.9	1	1	77	0.9	0.4	360	0.4	23	-1.0	-1	56.4
93J03	853274	10	483429	6007592	6	10		ANDS	33	1	4	2	3	1	0		2.0	3	0	0	0	0	022	1	0	1909	6.2	0.02	26	88	28	4	48	9	0.1	435	1.50	2	1.9	1	1	95	1.3	0.4	460	0.6	25	-1.0	-1	45.0
93J03	853275	10	483429	6007592	6	20		ANDS	33	1	4	2	3	1	0		2.0	3	0	0	0	0	022	1	0	1909	6.3	0.02	28	66	34	2	49	6	0.1	415	1.30	2	2.1	1	1	104	1.7	0.4	420	0.6	25	-1.0	-1	52.4
93J03	853276	10	480374	6005633	6	0		ANDS	33	1	4	1	3	1	0		1.0	4	0	0	0	0	022	1	0	1909	6.0	0.02	26	13	31	1	30	2	0.2	240	0.64	2	1.3	1	1	90	0.9	0.4	260	0.1	25	-1.0	-1	69.8
93J03	853277	10	478165	6004999	6	0		ANDS	33	1	4	1	3	1	0		2.0	6	0	0	0	0	012	1	0	1909	6.2	0.02	30	47	15	3	26	5	0.1	355	0.95	1	2.1	1	1	81	0.9	0.2	520	0.2	18	-1.0	-1	29.2
93J03	853278	10	473797	6006347	6	0		ANDS	33	1	4	1	3	1	0		3.0	6	0	0	0	0	022	1	0	1909	-1.0	-1.00	-1	68	22	3	42	9	0.1	940	1.40	1	2.0	1	1	86	1.7	0.3	540	0.4	28	-1.0	-1	25.4
93J03	853279	10	471044	6009644	6	0		ANDS	33	1	4	1	3	1	0		1.0	4	0	0	0	0	013	1	0	1909	-1.0	-1.00	-1	39	26	1	33	5	0.2	275	0.66	2	0.9	1	1	149	1.3	0.2	220	0.6	15	-1.0	-1	54.8