

ASSESSMENT REPORT 2011 GEOCHEMICAL SAMPLING PROGRAM

MTB PROPERTY

WHITEHORSE MINING DIVISION, YUKON, CANADA

NTS Map Sheet: 105E01 and 105F04

550610E 6775930N (NAD83-8)

Claims and Owner

YD143923		MTB	323		Golden Predator Canada Corp. - 100%
YD143925		MTB	325		Golden Predator Canada Corp. - 100%
YD143927		MTB	327		Golden Predator Canada Corp. - 100%
YD143929		MTB	329		Golden Predator Canada Corp. - 100%
YD143931		MTB	331		Golden Predator Canada Corp. - 100%
YD143603	YD143614	MTB	3	14	Golden Predator Canada Corp. - 100%
YD143621	YD143634	MTB	21	34	Golden Predator Canada Corp. - 100%
YD143647	YD143662	MTB	47	62	Golden Predator Canada Corp. - 100%
YD143677	YD143692	MTB	77	92	Golden Predator Canada Corp. - 100%
YD143707		MTB	107		Golden Predator Canada Corp. - 100%
YD143709	YD143722	MTB	109	122	Golden Predator Canada Corp. - 100%
YD143737		MTB	137		Golden Predator Canada Corp. - 100%
YD143739	YD143752	MTB	139	152	Golden Predator Canada Corp. - 100%
YD143769	YD143784	MTB	169	184	Golden Predator Canada Corp. - 100%
YD143801	YD143816	MTB	201	216	Golden Predator Canada Corp. - 100%
YD143831		MTB	231		Golden Predator Canada Corp. - 100%
YD143833	YD143848	MTB	233	248	Golden Predator Canada Corp. - 100%
YD143865	YD143882	MTB	265	282	Golden Predator Canada Corp. - 100%
YD143899	YD143916	MTB	299	316	Golden Predator Canada Corp. - 100%
YD143933		MTB	333		Golden Predator Canada Corp. - 100%
YD143935		MTB	335		Golden Predator Canada Corp. - 100%
YD143937		MTB	337		Golden Predator Canada Corp. - 100%
YD143939		MTB	339		Golden Predator Canada Corp. - 100%
YD143941		MTB	341		Golden Predator Canada Corp. - 100%
YD143943		MTB	343		Golden Predator Canada Corp. - 100%
YD143945		MTB	345		Golden Predator Canada Corp. - 100%
YD143947		MTB	347		Golden Predator Canada Corp. - 100%
YD143949		MTB	349		Golden Predator Canada Corp. - 100%

Owner and Operator:

Golden Predator Canada Corp.

1 Lindeman Road

Whitehorse, YT

Y1A 5Z7

December 13, 2012

Prepared by:

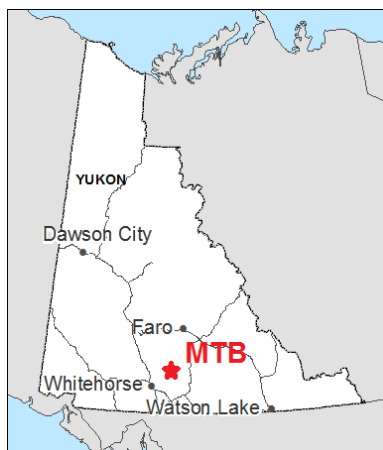
Golden Predator Canada Corp.

Shaun O'Connor, B.Sc.

Introduction

This report summarizes the 2011 exploration program on the MTB property, south central Yukon. MTB was staked in winter 2011 to cover ground identified as favorable to gold exploration due to known geology, mapped structural features, and anomalous historical silt samples. The property is 100% owned by Golden Predator Canada Corp.

Stream sediment samples were collected on the claims by Golden Predator staff in summer of 2011. Power auger soil samples were subsequently taken in winter of 2012, along with the commission of terrain analysis on the property, both by contractors. Data in this report is from that field work and public databases.



Location

MTB is located around 68 km northeast of Whitehorse in the area around Little Bear Mountain. It consists of 351 claims totaling around 70 square km. The approximate center of the claims is at 550610, 6775930 (UTM NAD83-8). It is found on NTS map sheets 105E/01 and 105F/04. See Appendix and figure 2 for claim information and locations.

Access and Physiography

Access for the 2011 program was by helicopter from a camp at Little Violet creek, around 40 km NNE of the claims. The nearest road to the property is an access road to the Red Mountain project, around 20 km to the southeast. MTB is part of the Pelly Mountains ecozone (Yukon Ecoregions Working Group, 2004). The Pelly Mountains ecozone is covered by boreal coniferous forests of primarily white spruce. The area was last glaciated during the McConnell glaciation (22.5 to 10 ka), which resulted in rugged alpine glacial features at high elevations and valleys filled with glaciofluvial and lacustrine gravels and silts. Average temperatures in January are -20 and +10 in July. Elevations at MTB vary from 900 to 1800 m. Gently sloping, sparsely rocky ridges rise steeply above rolling topography in valley bottoms.

Exploration History

Little historical information is available about work around MDY. Two minfile localities, Little Bear and Sawtooth, appear nearby but both report only staking. Both claims were likely staked for gold exploration in volcanics rocks and along an intrusive margin, respectively. Bostock and Lees (1938) reported placer gold discoveries on Little Bear creek (south of the claim block) that were prospected in the early 1930's, but little other information is available on the area.

Geology

MTB is located at the confluence of two major regional features: the Big Salmon fault, a regional structure separating Devonian-Mississippian Yukon-Tanana terrane from Jurassic Stikinian arc rocks, and the margin of the Quiet Lake pluton, an extensive batholith of granodiorite to granite that is usually assigned a mid Cretaceous age.

Between these two features is a narrow band of quartz-muscovite schists to quartzites and mafic metavolcanics of the Yukon-Tanana terrane. Directly west of the claims and across the Big Salmon fault from the property are Stikinian Laberge group limestones and volcanics, part of the Stikinian arc package. The northwest corner of the claim block is the southernmost boundary of the Semenov block, a fault-bounded package of basalts, andesites and tuffs, clastic sedimentary rocks and limestones. The Semenov Hills block has been included in Quesnellia terrane (Gordey and Makepeace, 1999), but its true affiliation is unclear and it has variably been included in Slide Mountain and may be related to Yukon-Tanana terrane (Simard and Devine, 2003).

On both sides of the Big Salmon fault and stretching from the Quiet Lake area to Carmacks are scattered bodies of upper Cretaceous (Tempelman-Kluit, 1984) volcanics, interpreted as an overlap assemblage that constrains terrane accretion in this part of the Yukon. Around MTB they are known as the Open Creek volcanics, and consist of intermediate to felsic volcanics and volcanoclastics.

Mineralization

A target model for MTB has yet to be developed completely, but several possibilities exist based on known geology in the area.

- 1) Greenstone-hosted/lode gold associated with a splay off a regional fault, similar to targets in the Livingstone district, with an expected geochemical signature high in Au and little else.
- 2) Epithermal mineralization related to the Open Creek volcanics in the area or similar to high sulphidation style Au-As-Sb anomalies at other showings to the southeast (the Rosy, Too and Sawas minifiles and Golden Predator's MDY and MJH properties). Both styles of mineralization are associated with Au-(Ag)-As-Hg-Sb anomalies and are spatially associated with volcanic rocks or subvolcanic dykes.
- 3) Mineralization related to the contact with Quiet Lake pluton also exists, which may produce geochemical anomalies in Bi-W.

These model types are by no means the only possibilities, and as mineral deposits are always anomalies in terms of their style, are merely guidelines for exploration.

Exploration

Field work in the 2011 season included stream sediment sampling and power auger soil sampling.

Stream sediment samples were collected along 750 m intervals and immediately upstream of any confluences. Active silt and fine to medium sand that has been recently transported was the target sediment. Samples were sieved in the field with a 6 mesh (~1/8") screen and placed in plastic sample bags. If a drainage contained seasonal stream sediment deposition but was currently dry, a sample was collected by dry sieving the material. Samples were transported from the Little Violet Creek camp to Whitehorse by Alkan Air, and were delivered to ALS Chemex by Golden Predator personnel. Stream samples were dried at the lab, then screened to -180 mesh and a 50 g sample analyte collected for analysis. Samples were digested using aqua regia and analyzed for Au and other elements by ICP-MS. See appendix for detailed analytical techniques.

Auger sampling was conducted using a 20 kg handheld gasoline-powered drill, optimized for drilling in frozen ground. A permafrost-specific carbide-tipped 30 mm diameter bit was rotated to a depth of 85 cm below the surface. The bit was withdrawn and the sample of soil and pulverized rock was retrieved from the lowest 30 cm of the auger flights (usually 200-400g of soil). Soil samples were bagged at the drill, then transported by helicopter to Whitehorse. Samples were delivered to Acme Labs by Golden Predator personnel. Soil samples were dried at the lab, then screened to -80 mesh. A 100 g analyte was used digested using aqua regia, then analyzed using ICP-MS. See appendix for detailed analytical techniques.

AECOM was contracted to acquire air photos covering the MTB claims and rectify them in preparation for a surficial material report on the area. Terrain analysis will be conducted using air photos and existing surficial maps to determine the amenability of surficial material and stream profiles to soil and silt sampling and to aid in interpretation of results.

Discussion

A single sample collected at the northeast corner of the block near the mapped contact between Quiet Lake pluton and Yukon-Tanana rocks was anomalous in elements (Li, Cs, Be, La, Ce, among others) usually associated with the Li-Cs-Ta suite of pegmatites. There is a lack of orientation geochemical data for streams in the Quiet Lake batholith, so these elements may be only slightly above background for the area. They are strongly enriched relative to data currently available for the area. Pegmatites have been identified around the margins of Quiet Lake pluton elsewhere.

Two silt samples were anomalous for Au, one weakly and one moderately, both in areas mapped as being underlain by Open Creek volcanics. Neither sample has highs in Ag, As, Hg, or Sb, elements typically associated with Au in general and epithermal Au mineralization in particular. The Open Creek volcanics in the MTB area are recessive and thus both samples were collected in areas of low relief, mapped by Klassen and Morrison (reference) as being covered in veneers of till and glaciofluvial material.

Ridge soil samples collected on Little Bear mountain identified a roughly 300 m long area with weakly to strongly anomalous Au in soil values, without associated enrichment in As-Hg-Sb or other elements, as well as a spot Au anomaly to the west. The mountain itself is underlain by a wedge of quartz-muscovite

schists to quartzites with minor marbles in fault contact with mafic metamorphic rocks to the west and intrusive contact with Quiet Lake pluton to the east. Anomalous samples are discontinuous which may be a result of thin till veneers or pockets.

Ridge soil samples were also collected along the margins of Quiet Lake pluton around the north and east sides of the claim block. No samples were anomalous for Au, but there are scattered Sb values of interest, in both cases near the mapped contact between intrusive and metamorphic rocks.

Conclusions

Sporadic gold anomalies in silt sediment samples are not associated with other pathfinder elements at MTB. These samples were taken in areas mapped as underlain by Open Creek volcanics but with at least some glacial influence. The geochemistry of the samples could be related to the mineralized rocks they are derived from or may be a result of contamination from till or glaciofluvial material. Terrain analysis will aid in interpreting these results.

A single sample taken near the margin between mafic Yukon-Tanana rocks and Quiet Lake pluton was anomalous in elements associated with the Li-Cs-Ta suite of pegmatites. Although this sample is anomalous relative to soil samples collected over Quiet Lake rocks during this program, further geochemical information is required for proper interpretation.

Soil sampling on Little Bear Mountain identified the ridges as an area of interest for prospecting and soil sampling. Again, terrain analysis will aid greatly in planning and interpretation. Ridge soil samples along the margin of Quiet Lake pluton north and east of the claims did not identify Au anomalies.

References

Bostock, H.S. and Lees, E.J., 1938. Laberge map-area, Yukon. Geological Survey of Canada, Geological map (105E), 1:253 440 scale, and report, 33 p.

Gordey, S.P. and Makepeace, A.J. (comp.) 1999: Yukon bedrock geology in Yukon digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada Open File D3826 and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D)

Simard, R.-L. and Devine, F., 2003. Preliminary geology of the southern Semenof Hills, central Yukon (105E/1,7,8). In: Yukon Exploration and Geology 2002, D.S. Emond and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 213-222.

Tempelman-Kluit, D.J., 1984, Geology, Laberge (105E) and Carmacks (115I), Yukon Territory. Geological Survey of Canada, Open File 1101 (two 1:250,000 maps and legend).

Yukon Ecoregions Working Group, 2004. Pelly Mountains. In: Ecoregions of the Yukon Territory: Biophysical properties of Yukon landscapes, C.A.S. Smith, J.C. Meikle and C.F. Roots (eds.), Agriculture and Agri-Food Canada, PARC Technical Bulletin No. 04-01, Summerland, British Columbia, p. 63-72.

MTB Project Statement of Expenditures
Phase 1 - May 27 - June 15, 2011

(Field work done June 10, 2011)

Expenditure	Units	Unit Cost	Per	Cost
Wages				
Golden Predator Canada Corp.	13	\$ 224.14	stream sed sample	\$ 2,913.82
Management and report writing	3	\$ 500.00	day	\$ 1,500.00
Transportation				
Helicopter	13	\$ 308.17	sample	\$ 4,006.21
Fuel	13	\$ 78.49	sample	\$ 1,020.37
Consumables				
Camp, food, fixed wing etc.	13	\$ 162.20	sample	2,108.60
Samples				
Stream Sediment Samples	13	\$ 55.00	sample	\$ 715.00
Total				\$ 12,264.00

Total Number of Silt Samples

13

Cost Per Sample

\$ 943.38

Phase 3 - January-February, 2012

Expenditure	Units	Unit Cost	Per	Cost
AECOM - #300 - 300 Town Centre Boulevard, Markham, ON L3R 5Z6				
Surficial Terrain Assessment and Mapping for Strategic Exploratory Sampling at the Livingstone District, Yukon Territory Work Completed to February 28, 2012: 1. Background Information Review, Livingstone Area 2. Aerial Photograph Preparation covering 4685 claims in Livingstone area. \$25,000 / 4685 claims = ~\$5.00 work per claim				
MTB Group = 351 claims	351	\$ 5.00	claim	\$ 1,755.00
Total				\$ 1,755.00

Phase 4 - February 15 - March 01, 2012

(Field work done 5 days: Feb 15, 17-20, 2012)

Expenditure	Units	Unit Cost	Per	Cost
Contract				
Kryotek Arctic Innovation Inc.	222	\$ 65.00	sample	\$ 14,430.00
(4 person crew, \$65/sample)				
Standby - Feb 23, Weather	4	\$ 200.00	day	\$ 800.00
Transportation				
Helicopter + Fuel (Trans Northe A-Star)	222	\$ 59.00	sample	\$ 13,098.00
Consumables				
Sample Bags	222	\$ 2.75	bag	610.50
Assays				
Acme Analytical Laboratory	222	\$ 25.00	sample	5,550.00
Golden Predator Management				
Sample planning, layout, and sample organization	2	\$ 500.00	man days	1,000.00
Report time for Phase 4 Soil sampling	4	\$ 500.00	man days	\$ 2,000.00
Total				\$ 37,488.50

Phase 1 + Phase 2 + Phase 3 + Phase 4 TOTAL
\$ 51,507.50

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Certificate of Authorship

I, Shaun O'Connor of Whitehorse, YT certify that:

1. I am a graduate of Carleton University, Ottawa, ON with a B.Sc. (Hons.) in Earth Sciences.
2. I have worked in mineral exploration and geologic mapping in the Yukon for 6 years.
3. I am author of the preceding report.



Shaun O'Connor, B.Sc.
Whitehorse, YT
December 12th, 2012

Grant # From	Grant # To	Name	Claim # From	Claim # To	Expiry
YD143601	YD143602	MTB	1	2	07/03/2013
YD143615	YD143620	MTB	15	20	07/03/2013
YD143635	YD143646	MTB	35	46	07/03/2013
YD143663	YD143676	MTB	63	76	07/03/2013
YD143693	YD143706	MTB	93	106	07/03/2013
YD143708		MTB	108		07/03/2013
YD143723	YD143736	MTB	123	136	07/03/2013
YD143738		MTB	138		07/03/2013
YD143753	YD143768	MTB	153	168	07/03/2013
YD143785	YD143800	MTB	185	200	07/03/2013
YD143817	YD143830	MTB	217	230	07/03/2013
YD143832		MTB	232		07/03/2013
YD143849	YD143864	MTB	249	264	07/03/2013
YD143883	YD143898	MTB	283	298	07/03/2013
YD143917		MTB	317		07/03/2013
YD143919		MTB	319		07/03/2013
YD143921		MTB	321		07/03/2013
YD143923		MTB	323		07/03/2013
YD143925		MTB	325		07/03/2013
YD143927		MTB	327		07/03/2013
YD143929		MTB	329		07/03/2013
YD143931		MTB	331		07/03/2013
YD143603	YD143614	MTB	3	14	07/03/2014
YD143621	YD143634	MTB	21	34	07/03/2014
YD143647	YD143662	MTB	47	62	07/03/2014
YD143677	YD143692	MTB	77	92	07/03/2014
YD143707		MTB	107		07/03/2014
YD143709	YD143722	MTB	109	122	07/03/2014
YD143737		MTB	137		07/03/2014
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YD143933		MTB	333		07/03/2014
YD143935		MTB	335		07/03/2014
YD143937		MTB	337		07/03/2014
YD143939		MTB	339		07/03/2014
YD143941		MTB	341		07/03/2014
YD143943		MTB	343		07/03/2014
YD143945		MTB	345		07/03/2014
YD143947		MTB	347		07/03/2014
YD143949		MTB	349		07/03/2014



ALS Canada Ltd.
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To: **GOLDEN PREDATOR CANADA CORP.**
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VANCOUVER BC V6C 3K4

Page: 1
Finalized Date: 26-JUL-2011
Account: GOPRED

CERTIFICATE WH11109441

Project: Stream seds

P.O. No.: GPD2011LIV003

This report is for 100 Stream Sediment samples submitted to our lab in Whitehorse, YT, Canada on 16-JUN-2011.

The following have access to data associated with this certificate:

MIKE BURKE
LINDA LEWIS

ANDREW CALDWELL
MIKE MASLOWSKI

JACK COTE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21d	Sample logging - ClientBarCode Dup
SPL-34	Pulp Splitting Charge
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-OG44	Ore Grade Au - 50g AR	ICP-MS
Au-ST44	Super Trace Au - 50g AR	ICP-MS
ME-MS41	51 anal. aqua regia ICPMS	

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 4 (A - D)
Plus Appendix Pages
Finalized Date: 26-JUL-2011
Account: GOPRED

Project: Stream sed

CERTIFICATE OF ANALYSIS WH11109441

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg .02	Au-ST44 Au ppm 0.0001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
K735176		7.40	0.0009	0.04	0.61	1.4	<0.2	<10	30	0.10	0.07	0.32	0.19	21.2	6.3	9
K735177		5.86	0.0012	0.06	0.78	3.5	<0.2	<10	40	0.18	0.16	0.35	0.32	33.4	9.4	14
K735178		7.80	0.0478	0.04	0.94	3.7	<0.2	<10	130	0.35	0.10	0.46	0.17	28.7	10.7	28
K735179		6.94	0.0020	0.05	1.58	9.9	<0.2	<10	150	0.36	0.08	1.21	0.23	25.7	17.6	35
K735180		5.76	0.0016	0.03	1.27	4.4	<0.2	<10	120	0.31	0.06	0.86	0.13	18.55	10.0	25
K735181		5.00	0.0024	0.03	1.31	5.7	<0.2	<10	80	0.38	0.08	1.02	0.16	18.65	11.4	26
K735182		6.54	0.0034	0.03	1.61	7.1	<0.2	<10	100	0.44	1.57	1.21	0.21	22.6	15.6	40
K735183		5.08	0.0029	0.03	1.26	3.9	<0.2	<10	80	0.32	0.05	1.01	0.07	17.55	10.0	25
K735184		7.82	0.0311	0.02	1.43	5.5	<0.2	<10	80	0.41	0.08	1.15	0.14	18.15	13.1	37
K735185		5.84	0.0022	0.03	1.51	7.3	<0.2	<10	130	0.31	0.05	1.03	0.12	16.70	16.3	55
K735186		6.02	0.0013	0.04	0.97	4.8	<0.2	<10	110	0.25	0.05	0.90	0.11	14.60	8.7	37
K735187		7.06	0.0017	0.27	0.65	24.8	<0.2	<10	80	0.18	0.21	0.25	1.93	18.25	10.0	26
K735188		6.58	0.0012	0.11	0.88	8.0	<0.2	<10	90	0.17	0.07	0.45	0.47	12.90	14.3	62
K735189		6.74	0.0011	0.17	0.75	14.4	<0.2	<10	180	0.19	0.10	0.76	0.66	15.75	12.3	44
K735190		6.26	0.0004	0.08	0.91	6.0	<0.2	<10	60	0.13	0.09	0.40	0.27	12.70	9.8	60
K735191		6.70	0.0025	0.11	0.92	43.4	<0.2	<10	460	0.36	0.08	0.63	0.47	17.25	16.7	49
K735192		5.66	0.0011	0.14	1.79	6.4	<0.2	<10	110	0.31	0.07	1.31	0.45	16.55	11.3	52
K735193		7.04	0.0008	0.05	1.89	4.0	<0.2	<10	90	0.26	0.05	0.81	0.19	15.60	13.8	46
K735194		7.24	0.0011	0.09	1.53	4.9	<0.2	<10	90	0.26	0.06	1.54	0.21	14.80	10.5	43
K735195		0.18	0.0012	0.19	1.06	3.8	<0.2	<10	80	0.20	0.05	0.66	0.16	10.45	7.3	30
K735196		5.84	0.0045	0.06	2.05	30.4	<0.2	<10	60	0.25	0.07	0.68	0.26	16.60	19.9	74
K735197		5.90	0.0034	0.11	2.25	25.8	<0.2	10	60	0.36	0.07	1.06	0.32	15.10	21.3	85
K735205		5.30	0.0016	0.05	1.05	7.9	<0.2	<10	220	0.66	0.11	0.72	0.25	36.7	12.0	41
K735219		6.16	0.0014	0.05	0.53	4.3	<0.2	<10	40	0.21	0.23	0.47	0.22	47.5	7.9	16
K735220		6.88	0.0014	0.15	0.75	7.6	<0.2	<10	20	0.19	0.18	0.82	0.27	30.2	10.4	19
K735221		6.86	0.0057	0.11	0.63	5.0	<0.2	<10	20	0.15	0.17	0.59	0.19	26.3	8.5	17
K735222		5.04	0.0008	0.06	0.53	4.3	<0.2	<10	40	0.19	0.22	3.06	0.29	25.9	5.7	16
K735223		4.04	0.0038	0.07	1.72	6.3	<0.2	<10	220	0.40	0.10	1.10	0.26	16.95	17.9	28
K735224		7.06	0.0039	0.03	1.62	4.6	<0.2	10	120	0.30	0.06	1.06	0.09	13.70	13.6	23
K735225		6.60	0.0043	0.04	1.16	6.6	<0.2	<10	140	0.34	0.05	2.66	0.13	17.85	12.6	30
K735226		4.62	0.0013	0.06	1.34	8.8	<0.2	<10	180	0.30	0.11	0.88	0.18	19.45	12.3	31
K735227		6.46	0.0009	0.04	1.19	4.9	<0.2	<10	110	0.23	0.06	0.72	0.15	19.10	10.3	27
K735228		5.54	0.0009	0.03	1.15	3.7	<0.2	<10	90	0.25	0.10	0.78	0.13	17.65	9.7	31
K735229		4.42	0.0079	0.13	0.93	5.2	<0.2	<10	50	0.27	0.17	0.45	1.10	38.6	9.9	23
K735230		0.16	>0.1000	0.16	0.17	471	0.2	<10	1920	0.19	0.16	1.10	0.35	2.36	2.5	23
K735231		6.12	0.0508	0.16	0.64	11.6	<0.2	<10	40	0.20	0.16	0.36	0.33	27.2	11.7	19
K735232		4.94	0.0027	0.11	0.99	4.4	<0.2	<10	100	0.20	0.12	0.38	0.26	27.2	10.9	28
K735233		5.28	0.0179	0.14	0.81	22.5	<0.2	<10	60	0.22	0.16	0.35	0.39	27.7	9.8	20
K735234		5.12	0.0010	0.08	0.79	4.8	<0.2	<10	70	0.24	0.13	0.53	0.28	42.2	7.3	21
K735235		4.52	0.0021	0.09	1.23	32.0	<0.2	<10	100	0.23	0.11	0.48	0.20	20.9	10.6	48



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CERTIFICATE OF ANALYSIS WH11109441

Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
K735176		0.49	6.6	1.48	2.02	0.05	0.03	0.02	0.007	0.04	11.1	5.1	0.41	289	0.19	<0.01
K735177		0.64	16.1	2.29	2.58	0.07	0.04	0.01	0.011	0.05	17.0	7.6	0.49	342	0.49	<0.01
K735178		0.46	13.1	2.45	2.75	0.07	0.17	0.01	0.016	0.04	13.9	7.0	0.59	382	0.49	0.02
K735179		0.61	35.8	3.76	5.83	0.09	0.19	0.03	0.025	0.06	12.6	12.7	1.02	792	0.81	0.02
K735180		0.42	23.5	2.59	4.81	0.08	0.12	0.02	0.019	0.04	8.9	10.2	0.70	457	0.36	0.01
K735181		0.32	27.0	3.23	5.45	0.12	0.26	0.03	0.021	0.04	9.4	10.7	0.79	323	0.53	0.01
K735182		0.52	34.4	4.41	6.43	0.14	0.29	0.06	0.027	0.05	10.5	12.7	1.05	647	0.69	0.02
K735183		0.30	19.3	2.73	4.95	0.09	0.24	0.01	0.018	0.04	8.7	9.8	0.82	343	0.39	0.01
K735184		0.37	30.3	4.05	5.80	0.13	0.27	0.02	0.022	0.04	8.6	10.3	0.89	448	0.59	0.02
K735185		0.57	24.1	3.65	5.66	0.10	0.14	0.04	0.020	0.05	7.9	10.3	1.22	388	0.73	0.02
K735186		0.47	17.3	2.22	3.64	0.07	0.08	0.03	0.014	0.04	7.5	7.2	0.65	418	0.53	0.02
K735187		3.37	30.3	2.66	1.82	0.06	0.03	0.01	0.020	0.04	9.6	6.7	0.39	413	3.42	0.01
K735188		4.11	32.9	2.31	2.64	0.06	0.03	0.01	0.012	0.04	6.4	7.7	0.71	330	1.06	0.01
K735189		4.25	29.6	2.73	2.34	0.06	0.03	0.02	0.015	0.05	8.4	6.4	0.58	454	1.58	0.01
K735190		1.83	25.9	2.02	2.45	0.07	0.03	0.01	0.014	0.03	6.6	7.0	0.71	237	0.95	0.01
K735191		11.20	45.7	3.76	3.38	0.07	<0.02	0.05	0.021	0.07	8.8	8.9	0.59	776	0.58	0.01
K735192		2.01	49.5	3.42	5.93	0.09	0.05	0.04	0.023	0.08	10.7	18.8	1.14	466	0.69	0.02
K735193		0.50	24.8	3.61	7.02	0.08	0.10	0.03	0.023	0.05	8.4	23.2	1.26	393	0.38	0.01
K735194		0.77	37.3	2.99	5.36	0.08	0.07	0.03	0.021	0.07	8.5	18.2	1.00	323	0.64	0.02
K735195		0.30	20.7	2.05	4.07	0.07	0.22	0.02	0.016	0.06	4.7	7.7	0.49	320	4.06	0.05
K735196		2.09	47.0	4.32	7.23	0.12	0.10	0.01	0.026	0.06	9.2	17.4	1.60	525	0.67	0.01
K735197		3.35	62.2	4.40	7.83	0.12	0.09	0.05	0.033	0.06	8.9	19.9	1.71	515	0.92	0.01
K735205		1.49	81.4	3.84	3.68	0.06	0.04	0.02	0.019	0.07	18.3	11.6	0.61	526	1.31	0.01
K735219		1.41	12.4	1.97	2.17	0.06	0.03	0.01	0.009	0.07	24.3	8.5	0.38	277	0.62	<0.01
K735220		0.41	30.7	2.47	2.27	0.06	0.07	0.01	0.014	0.03	14.9	11.1	0.43	218	0.87	<0.01
K735221		0.43	20.7	2.05	1.93	0.06	0.06	0.02	0.009	0.04	13.2	6.6	0.41	206	0.58	<0.01
K735222		1.34	15.5	1.62	2.15	0.06	0.04	0.01	0.011	0.06	14.3	10.3	0.41	159	0.68	0.01
K735223		0.59	84.6	3.70	6.10	0.07	0.06	0.04	0.017	0.09	8.1	12.2	1.08	2080	0.82	0.03
K735224		0.40	42.8	3.33	5.62	0.07	0.14	0.01	0.017	0.06	6.0	12.0	1.09	533	0.35	0.02
K735225		0.37	40.3	3.60	4.22	0.10	0.27	0.02	0.021	0.04	8.5	8.8	1.07	571	0.60	0.01
K735226		0.72	27.9	2.75	4.53	0.05	0.06	0.05	0.018	0.05	9.5	11.2	0.73	872	0.75	0.01
K735227		0.65	20.3	2.35	4.30	0.07	0.08	0.01	0.016	0.04	9.5	9.5	0.70	368	0.52	0.01
K735228		0.44	19.8	2.51	4.40	0.07	0.09	0.02	0.016	0.03	8.8	8.3	0.65	342	0.34	0.01
K735229		2.06	16.5	2.40	3.08	0.05	0.02	<0.01	0.011	0.07	20.2	14.4	0.60	269	0.91	<0.01
K735230		0.38	62.0	3.88	0.80	<0.05	0.36	2.91	0.007	0.06	1.6	2.2	0.02	105	16.80	0.01
K735231		1.47	19.4	2.35	2.08	0.05	0.03	<0.01	0.009	0.06	13.9	6.3	0.48	277	0.69	<0.01
K735232		2.62	19.4	2.11	3.00	0.05	<0.02	<0.01	0.012	0.14	12.9	11.2	0.73	253	0.51	<0.01
K735233		3.58	17.7	2.15	2.48	<0.05	0.02	<0.01	0.011	0.07	14.0	9.9	0.55	381	0.72	<0.01
K735234		1.76	13.0	1.93	2.77	0.06	0.03	<0.01	0.011	0.10	22.1	11.3	0.48	353	0.49	0.01
K735235		1.20	31.0	2.72	4.16	0.07	0.05	<0.01	0.017	0.09	11.7	13.5	0.89	389	0.77	0.01



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Project: Stream seds

CERTIFICATE OF ANALYSIS WH11109441

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S %	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
K735176		0.22	13.9	830	4.3	4.1	0.001	0.02	0.08	1.0	0.7	0.2	22.3	<0.01	0.01	2.9
K735177		0.35	23.2	800	8.7	6.4	<0.001	0.02	0.16	1.4	1.0	0.3	22.3	<0.01	0.04	3.4
K735178		0.28	25.9	670	6.3	5.3	<0.001	0.01	0.15	3.7	0.6	0.3	63.1	<0.01	0.02	3.4
K735179		1.50	27.8	870	4.9	4.9	0.001	0.03	0.56	7.4	0.9	0.5	41.6	<0.01	0.01	2.6
K735180		1.18	18.4	740	3.4	4.9	<0.001	0.02	0.31	5.4	0.6	0.4	30.7	0.01	0.01	1.7
K735181		1.21	19.8	740	4.2	4.0	<0.001	0.01	0.38	6.2	0.9	0.5	30.4	0.01	<0.01	1.7
K735182		1.20	24.8	860	4.4	7.2	<0.001	0.01	0.45	8.6	0.7	0.6	32.2	0.01	0.02	2.2
K735183		1.22	17.4	690	3.0	3.7	<0.001	0.02	0.26	5.7	0.3	0.5	25.9	<0.01	0.01	2.1
K735184		1.11	20.2	760	3.7	4.7	0.001	0.02	0.46	7.5	0.9	0.6	33.5	<0.01	0.02	1.6
K735185		0.91	45.5	860	4.2	5.5	<0.001	0.04	0.46	5.9	0.7	0.4	36.6	<0.01	0.01	1.6
K735186		0.78	23.9	650	3.2	4.1	0.001	0.04	0.38	4.2	0.5	0.3	40.0	<0.01	0.02	1.5
K735187		0.29	32.7	590	20.2	3.3	0.001	0.04	1.79	1.8	1.9	0.2	13.3	<0.01	0.07	3.1
K735188		0.51	34.7	610	4.4	3.7	<0.001	0.03	0.83	3.8	1.0	0.2	15.7	<0.01	0.03	1.5
K735189		0.49	30.0	770	8.8	4.1	0.001	0.03	1.22	3.6	1.5	0.2	24.7	<0.01	0.03	3.1
K735190		0.46	33.6	490	5.0	3.5	0.001	0.01	0.46	3.0	0.6	0.2	13.5	<0.01	0.01	1.8
K735191		0.56	33.1	910	7.8	9.4	<0.001	0.04	5.86	6.8	1.4	0.3	20.7	<0.01	0.02	0.8
K735192		0.80	26.4	780	4.6	8.7	<0.001	0.07	0.50	7.0	1.5	0.3	78.6	<0.01	0.03	1.0
K735193		0.88	24.8	510	3.8	7.0	0.001	0.02	0.21	7.2	0.7	0.4	50.6	<0.01	0.01	1.6
K735194		0.88	25.2	650	5.5	5.9	0.001	0.04	0.39	6.3	1.2	0.3	77.8	<0.01	<0.01	1.4
K735195		0.28	21.1	470	2.4	2.8	0.001	0.05	0.32	4.0	0.4	0.4	27.8	<0.01	0.03	1.0
K735196		0.90	38.7	660	4.2	4.7	0.001	0.03	1.34	8.8	1.0	0.3	22.4	0.01	0.02	3.6
K735197		0.78	50.5	740	5.6	5.7	0.001	0.04	1.45	11.2	1.6	0.4	33.6	<0.01	0.03	1.9
K735205		0.98	24.1	880	5.6	6.9	0.001	0.01	0.79	6.0	0.7	0.5	38.1	<0.01	0.03	14.1
K735219		0.86	17.4	1140	6.2	7.4	<0.001	0.01	0.27	1.7	0.6	0.5	17.7	<0.01	0.02	9.7
K735220		0.24	31.9	840	8.8	2.6	<0.001	0.01	0.23	1.4	1.5	0.2	30.5	<0.01	0.05	4.9
K735221		0.25	23.6	960	8.0	2.9	<0.001	0.01	0.19	1.3	1.0	0.2	24.2	<0.01	0.05	4.4
K735222		1.23	16.1	760	5.2	8.6	0.001	0.03	0.31	2.0	1.5	0.5	68.0	<0.01	0.04	4.4
K735223		1.05	23.1	890	3.0	8.6	0.001	0.02	0.26	7.1	0.8	0.4	58.4	<0.01	0.04	1.4
K735224		0.75	16.7	820	2.7	4.7	<0.001	0.01	0.25	7.3	0.6	0.4	45.3	<0.01	0.03	1.1
K735225		0.29	20.9	740	3.2	1.8	<0.001	0.01	0.32	7.6	0.3	0.4	52.4	<0.01	0.02	1.5
K735226		1.16	23.1	790	4.7	5.7	0.001	0.02	0.39	5.3	0.6	0.4	38.7	<0.01	0.02	2.1
K735227		0.84	20.2	810	3.3	4.7	<0.001	0.01	0.34	4.8	0.5	0.3	28.5	<0.01	0.02	5.1
K735228		1.06	19.6	730	3.1	4.9	<0.001	0.01	0.27	4.6	0.5	0.4	38.9	<0.01	0.01	1.5
K735229		0.66	31.0	1210	10.0	10.0	0.001	0.02	0.30	2.0	0.9	0.4	22.8	<0.01	0.02	5.0
K735230		0.13	17.0	60	17.4	2.8	0.001	0.15	26.2	0.7	1.7	2.7	31.6	<0.01	0.08	0.8
K735231		0.40	25.9	1150	12.3	5.3	0.001	0.01	0.79	1.5	0.9	0.2	15.0	<0.01	0.02	5.2
K735232		0.54	25.1	1130	9.6	12.9	<0.001	0.01	0.42	2.4	0.6	0.3	16.6	<0.01	0.01	3.4
K735233		0.48	23.8	880	13.3	7.3	<0.001	0.01	0.85	1.6	1.1	0.2	18.0	<0.01	0.02	3.5
K735234		0.94	19.4	1410	7.3	12.0	0.001	0.01	0.66	2.3	1.0	0.4	20.7	<0.01	0.01	9.0
K735235		0.68	31.6	760	5.5	7.5	<0.001	0.01	1.18	4.7	0.7	0.3	30.4	<0.01	0.02	3.5



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Project: Stream seds

CERTIFICATE OF ANALYSIS WH11109441

Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	Au-OG44 Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
K735176		0.015	0.04	0.30	13	0.08	4.80	40	1.2	
K735177		0.019	0.05	0.51	22	0.97	6.30	61	1.4	
K735178		0.027	0.05	0.64	51	0.08	6.86	59	6.8	
K735179		0.158	0.05	0.60	102	0.16	10.30	62	7.5	
K735180		0.145	0.04	0.39	82	0.13	7.59	50	4.4	
K735181		0.193	0.04	0.53	109	0.11	9.04	56	9.9	
K735182		0.258	0.04	0.45	152	0.13	10.75	75	12.5	
K735183		0.191	0.02	0.38	85	0.23	8.33	40	9.1	
K735184		0.258	0.04	0.49	140	0.36	9.93	60	11.7	
K735185		0.129	0.05	0.42	92	0.27	6.95	66	5.7	
K735186		0.090	0.04	0.40	62	0.16	6.12	40	3.1	
K735187		0.021	0.05	1.00	37	0.22	5.00	198	1.4	
K735188		0.068	0.06	0.44	58	0.28	6.00	51	0.9	
K735189		0.050	0.06	0.54	60	1.11	6.91	104	1.5	
K735190		0.061	0.05	0.68	45	2.30	4.93	53	0.8	
K735191		0.049	0.33	0.41	103	0.69	9.26	72	<0.5	
K735192		0.102	0.07	0.75	84	0.17	9.88	97	1.4	
K735193		0.130	0.06	0.41	88	0.13	7.36	78	3.3	
K735194		0.099	0.09	0.43	69	0.28	8.53	63	2.3	
K735195		0.112	0.05	0.29	47	11.55	7.06	35	7.2	
K735196		0.165	0.05	1.70	110	0.19	12.40	78	3.5	
K735197		0.154	0.07	0.59	115	0.20	15.10	104	3.3	
K735205		0.066	0.05	2.06	102	0.66	8.12	62	1.1	
K735219		0.031	0.06	10.15	31	0.26	7.81	37	1.6	
K735220		0.013	0.03	0.55	24	0.07	5.08	77	4.2	
K735221		0.017	0.03	0.42	22	0.07	5.12	55	3.7	
K735222		0.033	0.07	0.69	25	0.74	6.63	40	1.5	
K735223		0.131	0.06	0.29	102	0.13	7.61	65	2.1	
K735224		0.150	0.03	0.30	105	0.13	6.91	58	4.3	
K735225		0.135	0.02	0.43	124	0.07	8.09	48	9.2	
K735226		0.093	0.06	0.57	65	0.20	6.87	51	2.2	
K735227		0.100	0.04	0.64	62	0.10	6.13	53	3.1	
K735228		0.112	0.03	0.36	76	0.10	5.23	48	3.3	
K735229		0.035	0.07	1.20	27	0.07	7.32	114	0.6	
K735230		0.011	10.35	1.06	11	3.80	2.12	18	11.1	0.16
K735231		0.027	0.05	0.65	22	1.42	6.12	66	1.8	
K735232		0.044	0.12	1.07	25	0.07	7.04	65	0.5	
K735233		0.027	0.07	0.94	23	0.07	6.23	67	0.7	
K735234		0.048	0.11	1.90	32	0.15	7.95	47	1.1	
K735235		0.074	0.07	0.62	65	0.15	6.56	50	1.4	



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CERTIFICATE OF ANALYSIS WH11109441

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg .02	Au-ST44 Au ppm 0.0001	ME-MS41 Ag ppm 0.01	ME-MS41 Al % 0.01	ME-MS41 As ppm 0.1	ME-MS41 Au ppm 0.2	ME-MS41 B ppm 10	ME-MS41 Ba ppm 10	ME-MS41 Be ppm 0.05	ME-MS41 Bi ppm 0.01	ME-MS41 Ca % 0.01	ME-MS41 Cd ppm 0.01	ME-MS41 Ce ppm 0.02	ME-MS41 Co ppm 0.1	ME-MS41 Cr ppm 1
K735236		6.14	0.0022	0.15	1.52	48.0	<0.2	<10	200	0.25	0.17	0.57	0.21	19.85	14.0	55
K735237		5.52	0.0027	0.13	0.97	24.9	<0.2	<10	120	0.21	0.15	2.11	0.23	22.9	8.5	31
K735238		9.42	0.0013	0.09	1.59	10.6	<0.2	<10	60	0.22	0.11	0.57	0.26	22.0	13.4	63
K735239		<0.02	0.0021	0.05	1.56	10.5	<0.2	<10	70	0.25	0.08	0.54	0.27	18.60	13.2	59
K735240		4.64	0.0020	0.06	0.80	9.0	<0.2	<10	70	0.20	0.10	0.63	0.15	18.45	6.9	29
K735274		4.92	0.0032	0.06	1.04	2.3	<0.2	<10	40	0.90	0.56	0.43	0.09	63.0	3.8	14
K735275		4.40	0.0104	0.02	0.67	1.7	<0.2	<10	50	0.32	0.29	0.41	0.08	45.8	4.3	18
K735276		5.34	0.0018	0.03	0.67	4.4	<0.2	<10	140	0.19	0.10	0.73	0.20	18.45	10.5	55
K735277		6.36	0.0020	0.02	1.46	5.3	<0.2	<10	70	0.32	0.05	1.02	0.10	16.60	14.8	31
K735278		4.80	0.0021	0.02	1.33	5.9	<0.2	<10	150	0.31	0.06	1.12	0.20	15.30	11.3	28
K735279		4.72	0.0062	0.03	1.39	5.3	<0.2	<10	100	0.29	0.07	0.99	0.10	15.95	12.3	27
K735280		0.22	0.0030	0.19	0.96	3.3	<0.2	<10	70	0.18	0.06	0.58	0.16	9.64	7.1	29
K735281		6.26	0.0030	0.04	1.30	8.7	<0.2	<10	120	0.43	0.05	2.25	0.16	17.70	13.2	28
K735282		5.02	0.0030	0.03	1.38	5.8	<0.2	10	100	0.40	0.09	1.40	0.14	18.45	12.6	31
K735283		4.92	0.0015	0.04	1.37	7.2	<0.2	<10	150	0.32	0.07	0.99	0.15	20.1	11.9	33
K735284		5.00	0.0018	0.03	1.27	5.7	<0.2	<10	150	0.36	0.06	1.29	0.13	15.55	11.2	24
K735285		6.38	0.0012	0.03	1.00	4.8	<0.2	<10	100	0.20	0.06	0.74	0.13	14.55	9.0	31
K735286		5.22	0.0021	0.03	0.92	4.5	<0.2	<10	100	0.23	0.04	0.81	0.10	14.65	8.3	32
K735287		5.66	0.0033	0.06	1.17	5.5	<0.2	<10	150	0.31	0.08	2.04	0.27	15.30	11.4	42
K735288		6.74	0.0068	0.06	1.18	13.1	<0.2	<10	150	0.33	0.07	1.30	0.20	18.00	13.8	42
K735289		5.54	0.0139	0.04	0.93	5.5	<0.2	<10	110	0.27	0.05	0.70	0.11	18.20	9.2	33
K735290		5.40	0.0075	0.03	0.69	11.0	<0.2	<10	120	0.32	0.06	0.60	0.07	18.05	8.4	43
K735291		6.40	0.0023	0.03	0.81	8.5	<0.2	<10	240	0.39	0.07	1.04	0.10	19.15	10.8	22
K735292		5.14	0.0035	0.04	0.86	19.1	<0.2	<10	160	0.34	0.08	0.69	0.11	20.9	10.5	28
K735293		4.36	0.0305	0.04	0.64	164.0	<0.2	<10	150	0.30	0.10	0.43	0.09	20.7	11.2	23
K735294		10.96	0.0047	0.03	0.82	11.7	<0.2	<10	130	0.20	0.07	0.62	0.09	15.70	10.8	29
K735295		<0.02	0.0050	0.03	0.86	13.8	<0.2	<10	150	0.24	0.06	0.65	0.11	16.40	12.5	33
K735296		6.56	0.0161	0.05	0.68	2.8	<0.2	<10	80	0.14	0.15	0.40	0.11	38.5	6.5	41
K735297		4.90	0.0357	0.06	0.86	17.3	<0.2	<10	90	0.25	0.18	0.50	0.24	39.7	11.5	57
K735298		7.02	0.0382	0.08	1.12	27.2	<0.2	<10	150	0.22	0.14	0.64	0.34	21.9	13.3	40
K735299		4.84	0.0012	0.05	0.72	4.5	<0.2	<10	100	0.18	0.09	0.47	0.14	30.5	6.4	28
K735300		7.04	0.0012	0.04	0.62	2.8	<0.2	<10	100	0.15	0.10	0.40	0.09	30.0	5.1	20
K735311		5.96	0.0013	0.05	0.90	3.0	<0.2	<10	90	0.51	1.36	0.53	0.21	39.4	10.2	25
K735312		4.98	0.0005	0.06	0.73	4.5	<0.2	<10	80	0.25	0.21	0.44	0.28	25.4	8.8	24
K735313		5.66	0.0015	0.06	0.86	5.4	<0.2	<10	100	0.33	0.25	0.52	0.19	26.4	10.4	28
K735314		4.12	0.0011	0.05	1.45	8.9	<0.2	<10	150	0.41	0.08	1.03	0.26	22.6	14.5	34
K735315		0.16	0.0395	0.68	0.50	234	<0.2	<10	90	1.10	9.22	15.75	2.15	22.6	4.4	23
K735316		7.40	0.0108	0.06	1.57	10.6	<0.2	<10	180	0.47	0.11	1.04	0.36	26.2	19.2	40
K735317		5.76	0.0040	0.03	1.27	5.9	<0.2	<10	100	0.38	0.05	1.83	0.16	18.60	12.1	33
K735318		3.74	0.0018	0.03	1.17	3.9	<0.2	<10	100	0.30	0.05	1.05	0.13	18.45	10.1	26



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm 0.05	ppm 0.2	% 0.01	ppm 0.05	ppm 0.05	ppm 0.02	ppm 0.01	ppm 0.005	% 0.01	ppm 0.2	ppm 0.1	% 0.01	ppm 5	ppm 0.05	% 0.01
K735236		2.09	52.5	3.05	5.03	0.08	0.03	<0.01	0.015	0.20	10.9	17.5	1.00	477	0.69	0.03
K735237		1.03	32.4	2.15	3.43	0.08	0.06	<0.01	0.011	0.09	13.2	10.7	0.57	332	0.64	0.04
K735238		0.84	32.9	3.43	5.47	0.11	0.09	0.01	0.018	0.06	11.2	14.8	1.11	436	1.85	0.02
K735239		0.82	28.1	3.34	5.33	0.09	0.10	<0.01	0.017	0.06	9.5	14.4	1.09	426	0.79	0.02
K735240		0.98	19.7	1.69	2.92	0.05	0.04	<0.01	0.009	0.05	9.6	8.3	0.53	282	0.37	0.02
K735274		7.78	7.3	1.54	4.35	0.10	<0.02	0.03	0.012	0.16	30.8	42.9	0.33	199	0.18	0.01
K735275		2.84	6.1	1.21	2.65	0.08	0.03	<0.01	0.009	0.06	23.0	17.0	0.38	157	0.23	0.02
K735276		6.62	21.3	2.76	2.31	<0.05	0.03	0.02	0.010	0.04	9.2	6.2	0.65	264	0.44	0.01
K735277		0.26	16.6	3.85	6.61	0.11	0.41	<0.01	0.022	0.02	7.0	10.6	1.10	437	0.38	0.01
K735278		0.30	36.1	3.36	5.01	0.11	0.27	0.10	0.022	0.04	6.0	9.7	0.92	592	0.54	0.02
K735279		0.32	23.0	3.11	5.18	0.10	0.23	0.01	0.021	0.03	6.7	10.6	0.94	404	0.44	0.01
K735280		0.30	20.5	1.95	3.54	0.08	0.23	0.01	0.015	0.06	4.1	7.2	0.47	291	3.86	0.04
K735281		0.40	44.6	3.30	5.33	0.10	0.35	0.01	0.024	0.03	7.5	10.8	0.98	503	0.62	0.01
K735282		0.36	36.6	3.49	5.27	0.13	0.25	0.02	0.021	0.03	8.6	10.4	1.03	396	0.61	0.01
K735283		0.42	29.9	3.20	4.77	0.07	0.14	0.02	0.016	0.04	9.5	10.2	0.81	616	0.49	0.02
K735284		0.35	33.1	3.21	4.68	0.10	0.20	0.02	0.021	0.04	6.9	9.5	0.95	444	0.44	0.02
K735285		0.56	16.4	2.40	3.60	0.07	0.08	0.01	0.015	0.03	6.7	7.6	0.67	331	0.51	0.01
K735286		0.57	13.9	2.20	3.21	0.05	0.10	0.02	0.011	0.04	6.7	6.5	0.60	462	0.99	0.01
K735287		0.70	30.0	2.46	4.12	0.10	0.09	0.06	0.018	0.07	8.1	7.8	0.78	690	0.61	0.03
K735288		0.63	33.4	2.71	4.35	0.11	0.09	0.13	0.018	0.07	8.6	7.6	0.83	863	0.86	0.03
K735289		0.48	13.8	2.34	3.66	0.11	0.13	0.07	0.014	0.04	10.0	7.1	0.57	281	0.37	0.02
K735290		4.92	14.9	3.22	3.22	0.11	0.03	0.04	0.013	0.06	10.1	7.5	0.45	295	0.26	0.01
K735291		12.55	20.7	2.62	3.10	0.10	0.02	0.08	0.017	0.13	11.0	7.8	0.59	523	0.50	0.01
K735292		12.85	26.6	2.69	3.12	0.11	0.02	0.06	0.017	0.10	11.6	8.7	0.57	477	0.37	0.01
K735293		7.85	24.7	2.47	1.99	0.10	0.02	0.14	0.015	0.08	10.1	5.3	0.46	443	0.40	0.01
K735294		6.25	35.4	2.20	2.70	0.10	0.02	0.02	0.011	0.06	7.7	7.3	0.68	370	0.29	0.02
K735295		6.99	33.8	2.29	2.95	0.09	0.02	0.11	0.013	0.06	8.0	7.7	0.72	391	0.31	0.02
K735296		1.07	15.5	2.83	2.96	0.11	0.03	0.01	0.009	0.04	23.3	5.7	0.40	212	0.46	0.01
K735297		1.86	26.4	4.72	4.26	0.13	0.03	0.01	0.011	0.05	25.0	9.3	0.60	364	4.49	0.01
K735298		3.84	27.1	4.33	4.11	0.10	0.03	0.02	0.016	0.03	14.8	10.9	0.71	664	1.57	0.02
K735299		1.21	8.5	1.91	2.95	0.11	0.02	0.02	0.010	0.02	18.6	7.6	0.45	458	0.60	0.01
K735300		0.85	8.6	1.29	2.56	0.09	0.02	0.01	0.024	0.03	18.0	6.2	0.37	185	0.56	0.01
K735311		2.54	15.2	2.18	3.28	0.11	0.08	0.02	0.013	0.08	18.5	16.5	0.50	552	0.94	0.02
K735312		1.36	15.7	2.08	2.71	0.11	0.09	0.01	0.013	0.05	12.9	8.0	0.42	446	0.78	0.02
K735313		0.98	21.6	2.19	2.76	0.10	0.12	0.01	0.015	0.06	12.9	7.7	0.49	435	0.75	0.02
K735314		0.63	36.0	3.10	5.28	0.10	0.15	0.04	0.020	0.05	11.2	10.8	0.87	927	0.77	0.02
K735315		2.58	76.5	2.27	3.13	0.12	0.21	2.01	0.617	0.15	14.7	5.9	3.13	1560	74.0	0.02
K735316		0.71	43.0	3.48	5.78	0.12	0.22	0.06	0.029	0.07	12.2	10.8	0.94	904	0.99	0.02
K735317		0.35	34.5	3.05	4.90	0.14	0.30	0.03	0.020	0.04	9.7	8.5	0.84	510	0.75	0.02
K735318		0.29	24.1	2.50	4.81	0.11	0.19	0.03	0.016	0.04	9.4	8.2	0.67	402	0.40	0.02



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm 0.05	Ni ppm 0.2	P ppm 10	Pb ppm 0.2	Rb ppm 0.1	Re ppm 0.001	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 0.2	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.01	Te ppm 0.01	Th ppm 0.2
K735236		0.58	38.1	960	5.0	12.9	<0.001	0.01	1.85	5.6	0.5	0.3	44.7	<0.01	0.03	3.4
K735237		0.59	23.7	820	4.7	7.1	<0.001	0.01	1.40	3.4	0.8	0.3	132.0	<0.01	0.02	4.5
K735238		0.50	32.2	730	3.9	4.5	0.001	<0.01	0.75	6.4	0.9	0.3	36.0	<0.01	0.05	5.3
K735239		0.54	31.5	660	3.6	4.4	<0.001	<0.01	0.69	6.4	0.6	0.3	36.1	<0.01	0.03	3.2
K735240		0.63	22.0	590	4.6	4.6	<0.001	<0.01	0.55	3.2	0.4	0.2	32.3	<0.01	0.02	3.2
K735274		1.39	7.6	1280	5.0	29.4	<0.001	0.01	0.47	2.1	1.1	1.1	41.0	<0.01	0.01	9.4
K735275		0.92	13.1	960	3.0	13.0	<0.001	<0.01	0.14	2.0	0.7	0.5	20.4	<0.01	<0.01	10.7
K735276		0.57	38.8	710	3.8	5.7	<0.001	0.02	0.68	3.5	0.8	0.3	22.4	<0.01	0.02	3.0
K735277		1.02	20.8	840	2.7	3.4	<0.001	<0.01	0.17	7.4	0.5	0.6	22.7	<0.01	0.02	1.3
K735278		0.95	21.5	710	4.4	6.2	<0.001	0.01	0.33	6.9	0.6	0.5	28.0	<0.01	0.01	1.0
K735279		1.07	20.5	780	3.5	3.6	<0.001	0.01	0.22	6.6	0.5	0.5	25.0	<0.01	0.01	1.2
K735280		0.24	20.6	490	2.2	2.7	0.001	0.04	0.26	4.0	0.4	0.4	28.1	<0.01	0.01	0.9
K735281		0.43	24.3	700	3.3	2.2	<0.001	<0.01	0.43	8.3	0.5	0.5	41.5	<0.01	0.01	1.2
K735282		0.95	24.0	720	3.6	3.4	0.001	0.01	0.30	7.7	0.7	0.5	31.4	<0.01	0.01	1.4
K735283		1.20	20.6	850	4.0	4.6	0.001	0.02	0.32	6.4	0.5	0.4	36.2	<0.01	0.02	1.7
K735284		0.87	18.9	710	3.6	3.2	0.001	0.02	0.29	7.1	0.8	0.4	33.0	<0.01	0.04	1.1
K735285		0.59	22.7	640	3.6	3.9	0.001	0.01	0.36	4.1	0.5	0.3	31.3	<0.01	0.01	1.5
K735286		0.57	20.0	780	2.8	3.2	0.001	0.01	0.34	3.9	0.5	0.3	30.9	<0.01	0.01	1.5
K735287		1.06	31.3	730	5.5	5.6	0.002	0.05	0.47	5.2	1.1	0.3	65.1	<0.01	0.03	1.5
K735288		0.89	28.2	780	4.7	6.3	0.002	0.04	0.55	5.9	0.3	0.3	51.0	<0.01	0.02	1.6
K735289		1.16	21.6	800	3.4	4.0	0.001	0.03	0.30	3.9	0.3	0.3	31.3	<0.01	0.01	2.1
K735290		0.71	13.5	1280	3.3	5.8	<0.001	0.02	0.96	3.5	0.4	0.3	32.8	<0.01	0.02	2.6
K735291		0.69	13.9	1010	4.2	11.7	0.002	0.04	1.53	4.7	0.8	0.3	42.5	<0.01	0.02	2.5
K735292		0.60	16.2	1360	4.1	8.3	<0.001	0.04	1.73	4.7	0.5	0.3	30.3	<0.01	0.02	2.2
K735293		0.42	19.7	930	5.3	7.0	<0.001	0.03	4.06	3.6	<0.2	0.2	19.7	<0.01	0.03	2.9
K735294		0.49	21.0	1270	2.5	4.8	<0.001	0.05	0.80	3.8	0.3	0.2	24.9	<0.01	0.02	1.8
K735295		0.56	23.3	1320	2.7	5.3	<0.001	0.05	0.85	4.3	<0.2	0.2	27.1	<0.01	0.01	1.9
K735296		0.57	12.9	820	3.9	4.8	<0.001	<0.01	0.33	2.2	<0.2	0.2	13.7	<0.01	0.03	7.6
K735297		0.94	22.5	970	6.0	5.6	0.001	0.01	0.60	3.9	0.6	0.3	15.1	<0.01	0.05	16.3
K735298		0.70	23.1	680	6.0	5.3	0.002	0.04	0.42	4.5	0.7	0.3	24.9	<0.01	0.04	2.6
K735299		0.94	13.9	700	3.6	5.3	0.001	0.02	0.17	2.5	0.4	0.2	16.3	<0.01	0.02	8.1
K735300		0.96	12.0	780	3.2	4.7	<0.001	0.02	0.16	2.3	<0.2	0.2	15.0	<0.01	0.01	7.2
K735311		0.83	23.2	950	6.7	11.7	<0.001	0.02	0.09	3.2	0.5	0.5	36.0	<0.01	0.02	5.1
K735312		0.67	24.0	780	6.9	7.5	<0.001	0.02	0.11	2.5	0.3	0.3	31.4	<0.01	0.03	3.4
K735313		0.68	28.3	860	7.0	6.5	0.001	0.01	0.19	3.6	0.8	0.3	33.3	<0.01	0.04	3.7
K735314		1.71	24.9	930	4.9	5.2	0.001	0.02	0.43	6.4	0.6	0.4	39.7	<0.01	0.02	2.0
K735315		0.06	72.3	1070	21.4	14.4	0.052	0.92	6.82	3.6	3.2	3.0	200	<0.01	0.39	3.5
K735316		1.54	31.6	870	6.7	5.2	0.001	0.02	0.56	7.6	0.5	0.5	42.7	<0.01	0.02	2.7
K735317		0.70	21.1	810	3.8	2.6	0.001	0.02	0.36	6.1	0.5	0.4	50.8	<0.01	0.02	1.7
K735318		1.47	16.8	720	3.2	3.8	0.001	0.03	0.18	5.2	0.4	0.4	42.9	<0.01	0.02	27.6



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Page: 3 - D
Total # Pages: 4 (A - D)
Plus Appendix Pages
Finalized Date: 26-JUL-2011
Account: GOPRED

Project: Stream sed

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Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	Au-OG44 Au ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
K735236		0.102	0.13	0.80	79	0.19	7.22	56	1.0	
K735237		0.068	0.07	0.62	49	1.51	7.05	40	2.3	
K735238		0.112	0.06	0.65	81	0.15	8.38	62	3.4	
K735239		0.111	0.05	0.49	78	0.15	8.11	60	3.3	
K735240		0.049	0.05	0.46	39	0.22	5.06	36	1.1	
K735274		0.058	0.22	27.0	28	0.49	14.80	37	<0.5	
K735275		0.048	0.09	3.00	26	2.19	9.78	28	0.9	
K735276		0.043	0.06	0.46	56	0.39	5.58	38	0.8	
K735277		0.258	0.02	0.30	121	0.36	10.40	66	13.7	
K735278		0.195	0.02	0.35	121	0.12	7.53	64	7.5	
K735279		0.193	0.02	0.37	104	0.08	7.64	57	7.8	
K735280		0.096	0.04	0.24	43	10.05	6.10	34	6.3	
K735281		0.167	0.03	0.33	109	0.08	11.15	51	12.9	
K735282		0.201	0.03	0.39	122	0.08	10.05	59	9.6	
K735283		0.145	0.04	0.48	97	0.12	7.47	56	5.4	
K735284		0.160	0.03	0.35	97	0.07	9.38	49	7.6	
K735285		0.084	0.03	0.31	63	0.13	4.95	45	3.1	
K735286		0.082	0.04	0.29	59	0.12	5.23	41	3.1	
K735287		0.090	0.06	0.38	63	0.28	7.60	59	3.1	
K735288		0.094	0.07	0.45	78	0.30	7.41	54	3.4	
K735289		0.095	0.04	0.38	61	0.12	6.28	44	4.6	
K735290		0.048	0.05	0.76	97	0.11	7.65	30	0.9	
K735291		0.041	0.11	0.48	48	0.13	8.53	45	0.6	
K735292		0.037	0.09	0.99	63	0.15	9.82	44	0.5	
K735293		0.025	0.07	0.58	37	0.17	5.56	41	0.5	
K735294		0.042	0.04	0.49	47	0.12	4.95	33	0.5	
K735295		0.048	0.06	0.56	52	0.63	5.56	37	0.6	
K735296		0.066	0.05	1.05	73	2.17	4.75	22	0.8	
K735297		0.066	0.07	2.44	109	11.55	8.35	35	0.8	
K735298		0.064	0.07	2.06	72	0.42	8.94	54	0.7	
K735299		0.066	0.05	1.88	46	1.96	5.51	33	0.8	
K735300		0.056	0.05	3.93	31	1.52	4.96	22	0.8	
K735311		0.051	0.08	4.20	44	2.50	10.05	46	4.0	
K735312		0.049	0.06	1.06	45	0.17	6.20	57	4.1	
K735313		0.037	0.06	0.90	36	0.32	7.58	55	5.1	
K735314		0.131	0.05	0.59	88	0.30	9.50	62	5.5	
K735315		0.005	0.87	14.65	147	14.75	20.2	413	8.3	
K735316		0.149	0.06	0.67	102	0.21	10.65	65	7.0	
K735317		0.155	0.03	0.48	103	0.08	9.83	48	10.8	
K735318		0.140	0.03	2.76	83	0.09	7.70	43	6.6	



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Submitted By: Andrew Caldwell

Receiving Lab: Canada-Whitehorse

Received: March 08, 2012

Report Date: March 21, 2012

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CERTIFICATE OF ANALYSIS

WHI12000008.1

CLIENT JOB INFORMATION

Project: LIVINGSTONE
Shipment ID: SRV-2012-AC-2140
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: Predator Mining Group
11th Floor- 888 Dunsmuir Street
Vancouver BC V6C 3K4
Canada

CC: Jack Cote
Linda Lewis

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	320	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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Project:

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Report Date:

March 21, 2012

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960136	Soil	0.4	30.6	15.2	53	1.3	13.7	10.0	560	2.29	9.8	11.8	4.8	8	0.2	0.2	0.3	34	0.17	0.068	14
K960137	Soil	0.4	10.8	10.2	34	0.8	8.2	4.6	262	1.50	3.9	1.9	3.9	6	<0.1	0.2	0.4	23	0.13	0.053	14
K960138	Soil	0.2	10.6	10.3	29	0.6	10.3	5.1	247	1.27	2.5	<0.5	5.0	5	<0.1	0.2	0.3	16	0.15	0.074	18
K960139	Soil	0.1	10.5	10.6	40	0.5	10.5	5.2	420	1.44	2.8	1.1	8.7	5	0.2	0.2	0.3	13	0.17	0.078	23
K960140	Soil	0.2	60.8	10.4	61	0.7	17.7	14.3	600	3.21	5.0	8.8	4.0	10	0.2	0.3	0.1	54	0.23	0.088	14
K960141	Soil	0.2	10.7	7.2	33	1.0	9.5	4.7	246	1.32	2.5	0.6	4.2	6	<0.1	0.2	0.5	20	0.15	0.067	17
K960142	Soil	0.3	52.3	12.9	54	0.9	23.1	12.9	725	2.61	8.4	8.8	5.0	12	0.1	0.4	0.5	47	0.24	0.092	15
K960143	Soil	0.4	18.9	10.5	45	1.0	12.6	7.0	386	1.71	13.6	39.3	4.0	10	0.1	0.3	0.5	27	0.16	0.080	15
K960144	Soil	0.2	11.7	6.6	28	0.5	6.2	5.1	365	1.06	2.5	2.8	2.7	8	<0.1	0.2	0.8	16	0.14	0.064	11
K960145	Soil	0.2	12.0	9.4	48	0.3	10.0	6.1	539	1.92	9.8	19.2	1.2	71	0.3	0.3	<0.1	13	0.41	0.130	8
K960146	Soil	0.6	10.3	10.6	37	0.7	6.6	4.9	298	1.33	5.4	4.4	5.0	6	0.1	0.3	0.6	16	0.16	0.079	13
K960147	Soil	0.4	11.9	4.6	38	0.3	11.3	6.4	394	2.26	1.7	1.5	4.6	11	<0.1	0.1	0.4	29	0.14	0.054	16
K960148	Soil	0.4	15.9	9.3	50	0.7	14.3	6.7	332	1.71	3.2	2.3	7.1	6	0.2	0.2	0.6	23	0.17	0.086	19
K960149	Soil	0.4	8.8	6.4	41	0.5	6.5	6.6	584	1.31	2.7	<0.5	2.4	6	0.1	0.2	0.8	28	0.16	0.074	8
K960150	Soil	0.4	28.4	11.2	52	0.6	19.5	9.1	437	2.05	5.9	1.9	3.9	10	0.2	0.3	0.6	40	0.15	0.059	11
K960151	Soil	0.6	10.8	5.7	39	0.1	11.8	5.1	265	1.11	3.7	<0.5	4.3	8	0.1	0.5	0.5	23	0.14	0.045	9
K960152	Soil	0.3	6.8	6.8	33	0.5	4.5	3.9	264	0.94	1.0	<0.5	7.0	8	<0.1	0.2	0.8	19	0.14	0.051	15
K960153	Soil	0.2	28.2	4.2	19	0.2	3.1	2.8	209	0.53	1.4	0.7	3.8	6	<0.1	0.6	0.6	12	0.06	0.021	6
K960154	Soil	0.3	7.1	5.0	39	0.4	5.3	4.1	219	1.03	1.3	0.6	5.4	9	0.1	0.2	0.5	22	0.10	0.030	10
K960155	Soil	0.3	19.3	6.1	52	0.5	11.3	7.2	309	1.58	1.2	<0.5	2.9	11	0.1	0.4	0.8	41	0.10	0.034	9
K960156	Soil	12.0	34.3	28.8	60	0.4	15.1	4.2	325	2.00	16.3	<0.5	5.5	39	0.4	2.2	0.6	81	0.08	0.035	12
K960157	Soil	0.3	8.3	4.1	44	0.1	3.3	3.6	228	1.08	1.0	<0.5	2.5	12	0.1	0.2	0.5	22	0.14	0.068	10
K960158	Soil	0.8	12.0	8.8	48	0.3	12.8	6.5	360	1.62	3.1	2.4	6.1	31	0.2	0.4	0.6	34	0.24	0.084	16
K960159	Soil	0.2	6.8	2.1	40	0.2	2.6	3.8	227	1.09	0.5	<0.5	3.2	10	<0.1	0.1	0.3	22	0.12	0.056	11
K960160	Soil	0.4	10.8	7.2	46	0.3	10.2	5.8	317	1.57	2.8	1.4	4.6	22	<0.1	0.4	0.6	30	0.17	0.055	14
K960161	Soil	0.3	5.4	5.1	31	0.1	4.6	3.7	240	0.95	1.2	<0.5	4.6	13	<0.1	0.2	0.4	20	0.12	0.041	10
K960162	Soil	0.3	10.0	9.7	60	0.3	4.9	7.2	1074	1.85	1.2	<0.5	6.7	16	<0.1	0.4	0.3	26	0.19	0.085	20
K960163	Soil	0.2	6.7	3.1	46	0.3	3.3	3.9	279	1.15	0.5	<0.5	7.6	13	<0.1	0.2	0.2	21	0.15	0.059	14
K960164	Soil	0.4	11.1	9.6	50	0.7	7.4	5.8	397	1.44	1.5	<0.5	5.5	40	<0.1	0.5	0.6	26	0.25	0.067	21
K960165	Soil	<0.1	8.9	3.5	43	0.2	3.8	4.1	249	1.11	0.8	<0.5	5.8	12	<0.1	0.4	0.5	22	0.14	0.051	13



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WHI12000008.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
K960136	Soil	26	0.80	154	0.036	<1	1.33	0.007	0.09	4.9	0.03	2.7	0.2	<0.05	4	<0.5
K960137	Soil	14	0.34	72	0.042	<1	0.83	0.008	0.13	5.6	<0.01	1.3	0.2	<0.05	4	<0.5
K960138	Soil	13	0.35	64	0.040	<1	0.89	0.009	0.14	5.5	0.02	1.2	0.2	<0.05	3	<0.5
K960139	Soil	10	0.35	81	0.040	<1	0.89	0.009	0.16	5.1	<0.01	1.1	0.2	<0.05	3	<0.5
K960140	Soil	23	1.12	149	0.034	<1	1.57	0.007	0.11	2.9	<0.01	3.3	0.1	<0.05	5	<0.5
K960141	Soil	14	0.37	88	0.050	<1	0.88	0.013	0.21	5.0	0.01	1.4	0.3	<0.05	4	<0.5
K960142	Soil	41	0.90	227	0.044	<1	1.35	0.006	0.10	4.2	0.01	3.8	0.2	<0.05	4	<0.5
K960143	Soil	20	0.42	87	0.045	<1	1.03	0.008	0.13	5.7	<0.01	1.8	0.2	<0.05	4	<0.5
K960144	Soil	9	0.36	64	0.027	<1	0.65	0.013	0.12	4.8	<0.01	1.0	0.1	<0.05	3	<0.5
K960145	Soil	10	0.44	180	0.047	<1	0.87	0.023	0.07	1.0	<0.01	1.2	<0.1	<0.05	3	<0.5
K960146	Soil	11	0.29	72	0.048	<1	0.68	0.009	0.16	4.6	<0.01	1.4	0.2	<0.05	3	<0.5
K960147	Soil	29	0.60	172	0.119	<1	1.42	0.017	0.63	3.4	<0.01	2.9	0.6	<0.05	6	<0.5
K960148	Soil	17	0.70	41	0.058	<1	1.25	0.008	0.15	4.4	0.01	1.6	0.2	<0.05	4	<0.5
K960149	Soil	13	0.32	54	0.061	<1	0.90	0.015	0.18	3.6	<0.01	1.5	0.2	<0.05	4	<0.5
K960150	Soil	39	0.85	119	0.053	<1	1.37	0.009	0.12	9.7	<0.01	3.3	0.2	<0.05	5	<0.5
K960151	Soil	15	0.34	61	0.048	<1	0.85	0.011	0.14	7.1	<0.01	1.8	0.2	<0.05	4	<0.5
K960152	Soil	10	0.27	60	0.067	<1	0.85	0.015	0.28	7.4	<0.01	1.9	0.3	<0.05	4	<0.5
K960153	Soil	6	0.13	41	0.028	<1	0.55	0.019	0.13	6.9	<0.01	0.9	0.2	<0.05	2	<0.5
K960154	Soil	11	0.27	65	0.075	<1	0.92	0.012	0.28	6.9	0.01	2.0	0.3	<0.05	4	<0.5
K960155	Soil	27	0.62	135	0.110	<1	1.72	0.014	0.34	5.9	<0.01	3.3	0.4	<0.05	6	<0.5
K960156	Soil	36	0.62	105	0.104	<1	1.72	0.015	0.30	5.9	0.02	4.0	0.4	<0.05	7	1.1
K960157	Soil	8	0.28	53	0.049	<1	0.76	0.017	0.25	4.9	0.01	1.5	0.2	<0.05	4	<0.5
K960158	Soil	23	0.42	66	0.067	<1	1.28	0.015	0.19	5.8	0.02	2.1	0.3	<0.05	5	<0.5
K960159	Soil	6	0.30	45	0.070	<1	0.75	0.041	0.40	7.1	0.02	1.8	0.3	<0.05	4	<0.5
K960160	Soil	17	0.39	62	0.063	<1	1.30	0.014	0.18	5.8	0.02	2.0	0.3	<0.05	5	<0.5
K960161	Soil	11	0.24	39	0.049	<1	0.76	0.021	0.23	6.5	<0.01	1.7	0.2	<0.05	4	<0.5
K960162	Soil	12	0.47	48	0.010	<1	1.31	0.016	0.07	4.6	0.01	1.7	0.1	<0.05	7	<0.5
K960163	Soil	10	0.35	46	0.053	<1	0.87	0.025	0.30	5.7	<0.01	1.7	0.3	<0.05	5	<0.5
K960164	Soil	15	0.42	52	0.036	<1	1.36	0.013	0.13	5.9	0.02	2.3	0.3	<0.05	6	<0.5
K960165	Soil	7	0.31	53	0.068	<1	0.80	0.035	0.31	7.9	0.01	1.9	0.3	<0.05	4	<0.5



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CERTIFICATE OF ANALYSIS

WHI12000008.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960166	Soil				0.3	9.5	6.8	39	0.5	8.1	5.4	296	1.34	1.9	1.5	7.7	16	0.1	0.6	0.3	26	0.27	0.085	18
K960167	Soil				0.2	7.0	6.7	43	0.5	5.7	5.1	276	1.26	1.6	<0.5	5.4	17	<0.1	1.0	0.4	26	0.21	0.056	13
K960168	Soil				0.4	12.6	10.5	45	0.6	7.7	4.4	352	1.08	1.9	<0.5	2.1	22	0.1	0.7	0.5	21	0.24	0.067	12
K960169	Soil				0.6	17.6	11.3	62	0.4	12.9	8.8	1130	2.21	5.0	<0.5	1.1	22	0.2	0.8	0.6	45	0.18	0.088	12
K960170	Soil				<0.1	8.4	7.1	36	0.1	2.4	3.3	192	0.87	0.5	<0.5	6.2	8	<0.1	<0.1	0.3	17	0.10	0.039	12
K960171	Soil				0.4	10.4	6.2	40	0.2	11.4	5.8	263	1.35	2.7	<0.5	5.3	15	<0.1	0.3	0.7	26	0.24	0.052	14
K960172	Soil				0.4	10.8	7.5	39	0.5	11.2	5.9	276	1.25	2.6	0.8	6.3	15	0.1	0.3	0.4	26	0.23	0.052	13
K960173	Soil				0.3	12.1	6.4	33	0.2	14.1	6.9	280	1.20	3.6	<0.5	4.4	34	<0.1	0.3	0.5	26	0.57	0.050	14
K960174	Soil				0.5	18.7	10.5	52	0.2	21.3	9.4	278	1.87	4.7	<0.5	4.4	19	0.2	0.4	0.8	42	0.33	0.054	16
K960175	Soil				0.4	14.7	7.3	43	0.1	16.9	7.5	278	1.43	3.6	<0.5	6.6	19	0.1	0.3	0.8	31	0.35	0.043	17
K960176	Soil				0.9	7.9	5.6	23	0.2	8.7	4.5	200	0.86	1.5	<0.5	5.6	11	<0.1	0.2	0.7	17	0.24	0.029	9
K960177	Soil				0.2	5.3	3.1	18	<0.1	4.6	2.6	203	0.57	0.8	<0.5	4.0	6	<0.1	0.1	0.3	11	0.10	0.019	6
K960178	Soil				0.3	18.0	8.9	51	0.2	22.6	10.3	347	1.90	4.7	0.9	8.0	26	0.1	0.4	1.5	39	0.42	0.054	22
K960179	Soil				0.1	6.6	4.7	34	0.1	8.0	4.5	210	0.97	2.0	0.8	4.8	8	<0.1	0.2	0.5	17	0.16	0.036	9
K960180	Soil				0.3	13.3	6.9	40	0.2	13.9	7.0	210	1.39	1.8	0.9	4.8	11	0.1	0.2	0.7	25	0.21	0.048	13
K960181	Soil				0.5	15.7	7.7	33	0.2	15.5	7.4	190	1.21	3.6	1.5	4.9	17	0.1	0.3	2.0	25	0.40	0.046	16
K960182	Soil				0.4	12.1	8.3	46	0.2	9.9	6.6	361	1.99	1.6	<0.5	19.5	35	<0.1	0.1	0.4	59	0.47	0.143	59
K960183	Soil				0.3	12.0	7.3	58	<0.1	11.6	6.0	373	2.57	0.9	<0.5	6.0	11	<0.1	<0.1	0.4	42	0.12	0.046	12
K960184	Soil				0.4	10.7	7.6	45	0.3	12.5	6.5	294	1.63	2.8	3.2	14.1	17	0.1	0.2	0.5	30	0.28	0.089	24
K960185	Soil				0.4	23.6	8.9	48	0.2	21.9	9.7	582	2.11	3.9	0.8	6.2	35	<0.1	0.3	0.8	51	0.40	0.073	18
K960186	Soil				0.8	34.7	7.4	70	<0.1	32.6	13.9	326	3.04	1.7	<0.5	7.1	30	<0.1	0.1	0.5	70	0.73	0.060	19
K960187	Soil				0.7	14.6	7.5	46	0.2	17.0	7.7	298	2.09	2.9	<0.5	6.9	17	<0.1	0.2	0.6	56	0.29	0.078	18
K960188	Soil				0.2	9.3	4.1	33	0.1	5.9	4.2	261	1.09	1.0	<0.5	7.7	9	<0.1	0.1	1.2	21	0.16	0.049	16
K960189	Soil				0.4	15.0	8.6	45	0.2	17.0	7.8	319	1.52	2.5	<0.5	5.4	17	0.1	0.2	1.6	32	0.36	0.054	15
K960190	Soil				0.8	15.4	8.6	42	0.5	15.5	8.3	309	1.69	3.6	0.6	10.8	14	<0.1	0.2	1.2	32	0.22	0.057	20
K960191	Soil				0.6	14.8	10.1	39	0.4	17.5	7.6	204	1.88	5.4	0.5	4.6	13	<0.1	0.4	1.0	45	0.18	0.045	14
K960192	Soil				1.3	13.6	6.0	38	0.2	14.3	6.6	221	1.80	2.4	1.5	5.0	20	0.1	0.2	0.6	42	0.43	0.060	13
K960193	Soil				0.6	17.7	7.5	31	0.4	15.9	7.2	242	1.71	3.9	0.9	5.4	16	0.1	0.3	2.0	38	0.29	0.044	12
K960194	Soil				0.4	20.5	9.5	52	0.2	22.7	10.1	359	2.13	5.9	0.6	6.8	16	0.1	0.5	1.6	46	0.32	0.055	19
K960195	Soil				0.3	12.8	7.7	42	0.2	15.7	8.1	290	1.68	2.9	<0.5	6.9	15	0.1	0.3	1.0	32	0.29	0.045	14



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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
K960166	Soil			14	0.30	54	0.061	<1	0.83	0.013	0.14	6.0	<0.01	2.1	0.2	<0.05	4	<0.5
K960167	Soil			12	0.31	57	0.059	<1	1.00	0.011	0.17	6.8	0.02	2.1	0.2	<0.05	5	<0.5
K960168	Soil			13	0.25	87	0.037	<1	0.85	0.015	0.15	6.9	0.04	2.0	0.2	<0.05	4	<0.5
K960169	Soil			22	0.43	115	0.040	<1	1.88	0.010	0.15	1.7	0.03	1.9	0.4	<0.05	7	<0.5
K960170	Soil			4	0.23	50	0.056	<1	0.65	0.030	0.30	7.5	<0.01	1.6	0.3	<0.05	3	<0.5
K960171	Soil			19	0.39	63	0.066	<1	1.17	0.023	0.17	6.1	0.01	2.2	0.2	<0.05	5	<0.5
K960172	Soil			19	0.33	74	0.065	<1	0.89	0.014	0.16	7.0	<0.01	2.3	0.2	<0.05	4	<0.5
K960173	Soil			20	0.35	76	0.054	<1	1.58	0.060	0.13	7.4	0.02	2.4	0.2	<0.05	5	<0.5
K960174	Soil			36	0.75	76	0.091	<1	2.04	0.046	0.34	7.0	0.02	3.5	0.3	<0.05	7	<0.5
K960175	Soil			27	0.63	72	0.086	<1	1.64	0.044	0.34	6.3	<0.01	2.7	0.4	<0.05	5	<0.5
K960176	Soil			16	0.32	26	0.053	<1	0.92	0.043	0.20	6.8	<0.01	1.3	0.2	<0.05	4	<0.5
K960177	Soil			9	0.19	25	0.034	<1	0.54	0.026	0.16	8.0	<0.01	1.1	0.1	<0.05	3	<0.5
K960178	Soil			36	0.86	59	0.107	<1	1.87	0.040	0.39	4.8	<0.01	3.9	0.4	<0.05	7	<0.5
K960179	Soil			12	0.30	38	0.048	<1	0.90	0.020	0.23	6.2	<0.01	1.7	0.3	<0.05	4	<0.5
K960180	Soil			20	0.49	47	0.056	<1	1.34	0.022	0.21	7.2	0.01	2.0	0.2	<0.05	5	<0.5
K960181	Soil			23	0.42	44	0.069	<1	1.07	0.024	0.12	7.2	0.01	1.8	0.1	<0.05	4	<0.5
K960182	Soil			18	0.72	208	0.156	<1	1.28	0.033	0.57	4.5	0.02	4.0	0.3	0.06	6	<0.5
K960183	Soil			41	0.88	190	0.194	<1	1.82	0.034	0.98	6.5	<0.01	5.2	0.5	<0.05	6	<0.5
K960184	Soil			17	0.46	92	0.103	<1	1.15	0.014	0.39	4.6	<0.01	3.0	0.3	<0.05	5	<0.5
K960185	Soil			33	0.72	136	0.096	<1	2.13	0.030	0.28	4.9	0.02	3.7	0.3	<0.05	7	<0.5
K960186	Soil			55	1.35	149	0.228	<1	2.94	0.114	1.29	3.3	<0.01	6.1	0.9	0.08	11	<0.5
K960187	Soil			31	0.85	173	0.143	<1	1.87	0.027	0.51	4.3	<0.01	5.1	0.4	<0.05	7	<0.5
K960188	Soil			13	0.35	54	0.075	<1	0.88	0.037	0.33	6.4	<0.01	1.9	0.3	<0.05	4	<0.5
K960189	Soil			26	0.60	64	0.078	<1	1.36	0.044	0.25	7.6	<0.01	2.5	0.3	<0.05	6	<0.5
K960190	Soil			26	0.49	69	0.077	<1	1.44	0.021	0.22	8.9	0.01	2.9	0.3	<0.05	5	<0.5
K960191	Soil			31	0.59	76	0.092	<1	1.54	0.017	0.17	6.9	0.03	2.7	0.2	<0.05	7	<0.5
K960192	Soil			28	0.52	64	0.166	<1	1.57	0.047	0.49	4.8	0.01	4.0	0.4	<0.05	8	<0.5
K960193	Soil			29	0.56	68	0.086	<1	1.52	0.035	0.24	5.8	0.02	2.7	0.2	<0.05	6	<0.5
K960194	Soil			40	0.90	72	0.103	<1	2.55	0.030	0.34	5.0	0.01	4.1	0.4	<0.05	8	<0.5
K960195	Soil			25	0.68	68	0.098	<1	1.76	0.047	0.31	8.4	<0.01	3.1	0.3	<0.05	6	<0.5



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960196	Soil	1.7	20.2	8.7	44	0.3	23.2	10.1	368	2.03	4.9	<0.5	7.1	28	0.1	0.2	1.1	39	0.56	0.055	16
K960197	Soil	0.6	21.1	10.5	57	0.1	24.1	11.4	487	2.25	5.5	<0.5	4.2	16	<0.1	0.2	0.7	40	0.27	0.057	20
K960198	Soil	0.8	15.6	7.1	32	0.3	19.1	8.2	217	1.41	2.8	<0.5	6.3	31	0.1	0.2	3.3	30	1.37	0.043	17
K960199	Soil	0.3	15.3	6.9	44	0.3	14.5	7.1	256	1.57	3.4	<0.5	5.3	12	0.1	0.2	1.2	37	0.25	0.043	14
K960200	Soil	0.5	16.5	8.1	44	0.2	20.7	8.2	270	1.92	2.4	0.6	6.2	19	0.1	0.1	1.0	37	0.35	0.054	16
K960201	Soil	0.5	19.2	49.1	43	0.4	21.0	9.9	300	2.16	1.4	4.0	8.9	12	0.1	0.2	0.9	36	0.30	0.096	20
K960202	Soil	0.4	18.4	12.5	45	0.2	25.5	10.7	300	2.39	1.9	<0.5	8.2	9	0.1	0.2	0.3	42	0.26	0.089	18
K960203	Soil	0.6	25.8	6.9	54	0.2	28.3	12.0	342	2.54	4.9	<0.5	6.0	10	0.1	0.8	0.2	54	0.24	0.063	14
K960204	Soil	0.4	24.0	3.6	43	<0.1	26.1	14.8	426	2.75	1.6	<0.5	6.4	7	<0.1	0.2	0.1	60	0.30	0.073	11
K960205	Soil	0.7	22.2	6.9	48	0.2	24.2	11.4	325	2.38	3.8	<0.5	6.8	9	0.2	0.3	0.3	49	0.22	0.060	14
K960206	Soil	0.4	27.1	1.5	65	0.1	32.0	23.8	696	4.56	0.8	<0.5	0.9	6	<0.1	0.1	<0.1	132	0.58	0.085	3
K960207	Soil	0.5	30.7	4.5	50	0.1	24.5	17.6	339	3.10	1.8	<0.5	3.5	9	0.1	0.2	0.1	69	0.31	0.059	8
K960208	Soil	0.3	38.2	4.4	54	0.1	32.4	18.4	469	3.50	1.6	<0.5	4.2	11	0.1	0.1	<0.1	82	0.36	0.060	9
K960209	Soil	0.5	20.5	5.1	53	0.1	29.4	12.7	383	2.69	2.0	<0.5	6.1	14	0.1	0.3	0.2	42	0.34	0.091	13
K960210	Soil	0.7	27.2	7.0	56	0.3	36.8	13.6	371	2.66	3.1	0.5	6.1	12	<0.1	0.4	0.2	58	0.29	0.076	14
K960211	Soil	0.5	33.0	3.4	42	0.1	45.9	15.0	342	2.32	0.9	<0.5	4.0	10	<0.1	0.2	<0.1	58	0.36	0.059	9
K960212	Soil	0.7	31.1	4.4	64	<0.1	58.7	20.3	510	3.90	1.9	<0.5	3.3	11	0.1	0.2	0.1	84	0.32	0.057	7
K960213	Soil	0.5	33.1	4.2	51	0.2	46.9	19.3	476	3.31	1.7	<0.5	3.0	9	<0.1	0.2	0.2	82	0.28	0.047	7
K960214	Soil	1.3	28.6	4.7	50	0.2	31.9	14.4	418	2.57	1.9	0.5	8.3	7	0.1	<0.1	<0.1	42	0.26	0.070	13
K960215	Soil	1.1	18.2	7.5	53	0.2	24.5	9.6	293	2.52	2.0	1.1	7.5	8	<0.1	0.1	0.1	36	0.21	0.065	17
K960216	Soil	5.7	16.0	4.4	50	0.2	42.8	11.1	283	2.16	1.5	0.8	6.6	8	0.2	<0.1	0.4	29	0.19	0.074	12
K960217	Soil	0.9	16.5	5.6	46	0.2	29.9	10.9	314	2.01	3.2	<0.5	4.5	12	0.2	0.4	0.2	40	0.30	0.077	12
K960218	Soil	1.7	49.3	3.8	74	0.1	70.3	19.9	600	3.64	2.3	2.8	3.2	13	0.2	0.2	0.1	93	0.32	0.068	10
K960219	Soil	1.4	39.3	5.2	76	0.3	59.1	19.3	426	2.96	2.9	1.6	3.5	10	0.3	0.3	0.1	60	0.37	0.076	10
K960220	Soil	1.3	28.8	5.1	58	0.1	76.1	16.2	374	2.47	2.6	<0.5	6.7	10	0.2	0.3	0.1	46	0.31	0.077	16
K960221	Soil	0.8	24.9	4.1	50	0.1	51.8	17.6	406	2.86	1.4	0.5	3.6	10	0.1	0.2	0.1	56	0.38	0.072	9
K960222	Soil	1.7	25.9	6.8	56	0.2	47.6	13.8	344	2.27	2.5	0.9	3.6	13	0.2	0.3	0.2	44	0.29	0.053	9
K960223	Soil	1.0	28.5	4.7	54	0.2	86.0	16.3	336	2.50	2.3	0.6	5.1	9	0.2	0.2	0.1	45	0.25	0.064	11
K960224	Soil	0.6	17.8	2.6	70	<0.1	53.5	22.4	589	3.69	1.5	<0.5	1.1	9	<0.1	<0.1	<0.1	82	0.40	0.060	2
K960225	Soil	0.9	17.8	2.4	59	<0.1	50.0	21.5	571	3.47	1.0	<0.5	0.7	8	<0.1	0.1	<0.1	73	0.41	0.064	2



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WHI12000008.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
K960196	Soil			34	0.91	89	0.109	<1	2.46	0.084	0.37	4.9	0.02	3.8	0.3	<0.05	8
K960197	Soil			31	0.72	79	0.065	<1	1.68	0.017	0.19	4.0	0.01	2.8	0.2	<0.05	6
K960198	Soil			29	0.63	63	0.082	<1	1.66	0.096	0.32	6.1	0.02	2.0	0.3	0.06	5
K960199	Soil			25	0.60	63	0.098	<1	1.63	0.047	0.35	4.7	0.01	3.0	0.3	0.06	6
K960200	Soil			30	0.73	69	0.102	<1	1.89	0.053	0.38	6.7	0.02	3.4	0.3	<0.05	7
K960201	Soil			37	0.82	71	0.140	<1	1.56	0.017	0.50	4.5	<0.01	3.4	0.3	0.06	6
K960202	Soil			42	0.81	55	0.140	<1	1.53	0.013	0.44	5.0	<0.01	3.6	0.3	<0.05	6
K960203	Soil			42	0.92	60	0.142	<1	1.65	0.010	0.32	4.6	0.02	3.8	0.2	<0.05	6
K960204	Soil			59	1.30	35	0.154	<1	1.71	0.014	0.29	2.9	<0.01	3.1	0.2	<0.05	6
K960205	Soil			33	0.79	54	0.133	<1	1.59	0.012	0.22	4.9	0.01	3.1	0.2	<0.05	5
K960206	Soil			81	1.64	11	0.281	<1	2.06	0.030	0.05	0.6	<0.01	3.7	<0.1	<0.05	8
K960207	Soil			41	0.98	32	0.168	<1	1.53	0.015	0.12	3.1	<0.01	3.5	0.1	<0.05	5
K960208	Soil			55	1.33	47	0.190	<1	1.69	0.015	0.21	2.3	0.01	3.7	0.2	<0.05	6
K960209	Soil			40	0.98	90	0.127	<1	1.49	0.015	0.29	3.8	<0.01	3.6	0.2	<0.05	5
K960210	Soil			56	1.07	73	0.154	<1	1.76	0.013	0.35	3.7	0.01	3.8	0.3	<0.05	6
K960211	Soil			91	1.32	43	0.175	<1	1.52	0.019	0.20	2.4	<0.01	2.7	0.1	<0.05	5
K960212	Soil			109	2.02	42	0.197	<1	2.57	0.012	0.17	2.5	0.01	3.7	0.1	<0.05	7
K960213	Soil			104	1.71	46	0.177	<1	2.16	0.008	0.15	2.0	0.02	4.1	0.1	<0.05	6
K960214	Soil			77	1.15	52	0.126	<1	1.53	0.016	0.36	2.2	<0.01	3.1	0.3	<0.05	5
K960215	Soil			43	0.79	76	0.107	<1	1.41	0.013	0.36	4.2	<0.01	3.6	0.2	<0.05	5
K960216	Soil			33	0.66	59	0.094	<1	1.06	0.015	0.37	4.8	<0.01	2.8	0.2	<0.05	5
K960217	Soil			42	0.73	69	0.077	<1	1.21	0.011	0.18	5.6	0.02	2.9	0.2	<0.05	4
K960218	Soil			118	1.92	101	0.126	<1	2.09	0.010	0.37	1.8	<0.01	5.0	0.2	<0.05	7
K960219	Soil			85	1.36	65	0.106	<1	1.67	0.008	0.13	3.1	0.01	3.1	0.1	<0.05	5
K960220	Soil			81	1.17	76	0.107	<1	1.49	0.014	0.30	3.2	<0.01	3.4	0.2	<0.05	5
K960221	Soil			70	1.50	45	0.114	<1	1.80	0.022	0.19	3.6	0.01	3.4	0.1	<0.05	6
K960222	Soil			68	0.98	53	0.115	<1	1.57	0.013	0.19	3.7	0.02	2.8	0.2	<0.05	5
K960223	Soil			101	1.38	57	0.115	<1	1.54	0.013	0.26	3.5	0.01	3.2	0.2	<0.05	5
K960224	Soil			122	1.69	30	0.205	<1	1.94	0.014	0.06	1.3	0.01	2.6	<0.1	<0.05	7
K960225	Soil			117	1.78	24	0.175	<1	1.96	0.015	0.02	1.1	<0.01	2.7	<0.1	<0.05	6



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Vancouver BC V6C 3K4 Canada

Submitted By: Andrew Caldwell

Receiving Lab: Canada-Whitehorse

Received: March 08, 2012

Report Date: March 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000009.1

CLIENT JOB INFORMATION

Project: LIVINGSTONE
Shipment ID: SRV-2012-AC-2140
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: Predator Mining Group
11th Floor- 888 Dunsmuir Street
Vancouver BC V6C 3K4
Canada

CC: Jack Cote
Linda Lewis

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	318	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	320	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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Project:

LIVINGSTONE

Report Date:

March 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000009.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960246	Soil	0.5	14.8	15.8	42	0.1	152.8	16.7	291	2.01	2.1	<0.5	5.2	7	0.1	0.2	0.4	39	0.21	0.061	11
K960247	Soil	0.5	38.2	10.4	47	0.1	196.3	26.6	450	3.19	1.9	1.0	2.4	10	0.2	0.2	<0.1	76	0.42	0.071	5
K960248	Soil	0.6	23.1	10.5	48	0.2	321.5	26.8	354	2.67	4.5	0.6	5.2	9	0.3	0.7	0.2	55	0.27	0.053	13
K960249	Soil	0.4	16.1	13.6	36	<0.1	351.3	27.0	344	2.17	3.1	<0.5	4.8	5	0.1	0.1	0.1	49	0.27	0.055	6
K960250	Soil	0.6	24.6	5.4	35	<0.1	463.9	35.4	336	2.86	2.0	1.0	2.4	7	0.2	0.2	<0.1	70	0.24	0.040	7
K960251	Soil	1.1	14.9	17.7	30	0.2	11.1	5.9	281	1.44	1.4	4.0	6.1	30	0.1	<0.1	1.7	31	0.37	0.064	18
K960252	Soil	0.9	13.0	13.4	36	0.4	14.7	5.7	257	1.43	2.3	2.8	5.0	14	<0.1	0.2	1.0	34	0.19	0.047	16
K960253	Soil	0.7	16.2	27.3	37	0.1	16.2	6.0	294	1.31	5.2	0.6	6.3	16	0.1	0.3	0.7	33	0.28	0.039	14
K960254	Soil	0.9	12.2	11.1	39	0.3	12.8	7.0	414	1.51	2.4	<0.5	3.3	11	0.1	0.2	0.5	31	0.19	0.055	16
K960255	Soil	1.1	14.1	17.1	36	0.2	17.8	6.5	219	1.70	2.4	1.2	2.4	16	<0.1	0.2	0.6	40	0.28	0.050	15
K960256	Soil	0.3	6.8	8.6	29	0.2	20.0	7.1	299	1.18	<0.5	2.6	7.2	66	0.1	<0.1	3.8	29	1.62	0.052	20
K960257	Soil	2.1	43.6	17.9	46	15.6	17.2	23.1	245	1.42	4.6	2.8	6.1	11	0.3	0.4	1.2	32	0.18	0.045	13
K960258	Soil	0.5	27.6	16.4	46	5.1	18.1	11.7	425	1.56	4.4	9.1	6.8	61	0.3	0.2	1.9	26	1.31	0.056	19
K960259	Soil	1.0	18.2	9.9	24	2.9	11.5	9.4	268	0.96	1.4	0.6	3.0	12	0.1	0.2	1.5	17	0.13	0.044	14
K960260	Soil	1.7	29.0	12.8	48	2.9	21.0	10.7	368	2.22	4.4	2.0	4.8	13	0.1	0.3	2.1	30	0.13	0.054	16
K960261	Soil	1.7	22.3	8.7	44	2.7	17.9	8.9	405	1.43	3.9	0.6	5.4	141	0.2	0.3	1.7	26	0.37	0.049	14
K960262	Soil	1.5	10.0	7.1	12	2.9	4.1	2.3	55	0.46	1.4	3.0	0.8	2	<0.1	0.1	2.1	12	0.05	0.024	4
K960263	Soil	2.9	29.1	10.8	49	2.2	22.1	10.7	409	2.07	6.7	2.5	7.9	15	<0.1	0.4	4.6	40	0.21	0.043	20
K960264	Soil	2.7	27.8	13.4	55	1.6	24.6	12.4	476	2.57	6.8	<0.5	6.5	17	0.2	0.4	4.5	60	0.34	0.056	18
K960265	Soil	2.4	17.6	9.1	33	1.5	14.6	6.1	185	1.66	5.1	0.5	6.3	11	<0.1	0.4	4.4	40	0.16	0.042	18
K960266	Soil	2.6	33.0	9.7	39	1.8	18.0	8.1	266	1.80	6.8	1.0	4.1	11	<0.1	0.5	6.0	36	0.16	0.038	15
K960267	Soil	2.1	29.5	12.1	53	0.8	23.4	9.6	332	2.23	7.0	0.7	5.0	11	<0.1	0.4	5.3	34	0.16	0.047	19
K960268	Soil	2.4	26.6	10.1	42	1.2	20.0	8.2	284	1.94	7.1	0.8	4.2	15	<0.1	0.4	4.9	37	0.23	0.052	16
K960269	Soil	2.2	24.8	11.4	47	2.2	17.4	8.4	400	2.01	4.1	<0.5	2.1	12	<0.1	0.3	5.7	44	0.16	0.054	12
K960270	Soil	5.2	31.6	11.5	46	1.0	20.9	10.1	337	2.21	9.4	0.8	6.9	12	0.1	0.6	9.0	35	0.18	0.050	18
K960271	Soil	2.7	47.9	10.4	54	1.1	36.6	13.8	469	2.18	21.0	<0.5	6.0	29	0.2	1.2	2.5	54	0.57	0.055	15
K960272	Soil	2.4	25.2	11.3	45	1.0	22.4	10.9	417	2.02	3.4	1.0	9.2	8	<0.1	0.3	7.5	26	0.14	0.039	23
K960273	Soil	3.7	21.6	11.6	44	0.9	19.5	8.6	275	1.93	2.8	<0.5	6.1	11	<0.1	0.2	5.3	41	0.16	0.032	14
K960274	Soil	6.0	30.9	7.7	56	1.1	25.0	10.0	261	2.35	2.6	<0.5	5.5	17	<0.1	0.2	6.1	45	0.38	0.041	13
K960275	Soil	1.5	38.6	19.1	51	0.6	25.8	13.6	724	2.56	1.5	5.7	4.6	22	<0.1	0.1	0.3	20	0.08	0.060	20



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K960246	Soil	97	1.23	48	0.100	3	1.00	0.015	0.30	3.7	<0.01	2.8	0.2	<0.05	4	<0.5	<0.2
K960247	Soil	134	1.71	34	0.148	3	1.54	0.022	0.11	1.5	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
K960248	Soil	194	2.39	56	0.086	5	1.12	0.016	0.18	2.1	0.21	4.4	0.2	<0.05	4	<0.5	<0.2
K960249	Soil	267	2.94	33	0.084	3	1.19	0.014	0.21	1.5	<0.01	4.3	0.1	<0.05	4	<0.5	<0.2
K960250	Soil	468	3.98	26	0.099	9	1.35	0.010	0.09	0.8	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
K960251	Soil	20	0.46	136	0.097	<1	1.17	0.036	0.36	10.6	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
K960252	Soil	27	0.45	74	0.084	<1	1.10	0.019	0.24	7.3	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
K960253	Soil	27	0.51	64	0.070	<1	1.39	0.042	0.22	6.9	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
K960254	Soil	24	0.45	71	0.056	<1	1.25	0.021	0.23	4.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2
K960255	Soil	36	0.53	61	0.092	<1	1.48	0.034	0.27	5.0	0.01	2.4	0.3	<0.05	6	<0.5	<0.2
K960256	Soil	32	0.62	37	0.103	1	2.29	0.239	0.31	2.8	<0.01	2.2	0.2	<0.05	7	<0.5	<0.2
K960257	Soil	20	0.33	73	0.072	<1	1.12	0.012	0.16	8.0	<0.01	1.8	0.2	0.09	5	<0.5	<0.2
K960258	Soil	22	0.75	70	0.067	<1	1.27	0.012	0.28	8.5	<0.01	2.0	0.2	0.07	4	<0.5	<0.2
K960259	Soil	12	0.24	64	0.032	<1	0.60	0.011	0.14	11.0	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
K960260	Soil	25	0.61	65	0.050	<1	1.53	0.008	0.15	6.8	0.01	2.1	0.2	<0.05	4	<0.5	<0.2
K960261	Soil	21	0.48	99	0.052	<1	1.21	0.014	0.16	8.1	<0.01	2.2	0.2	<0.05	4	<0.5	<0.2
K960262	Soil	9	0.08	15	0.015	<1	0.36	0.017	0.10	7.2	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
K960263	Soil	33	0.62	85	0.089	<1	1.54	0.016	0.27	5.7	0.01	2.8	0.3	<0.05	5	<0.5	<0.2
K960264	Soil	32	0.68	120	0.093	<1	1.64	0.014	0.21	5.4	0.02	4.6	0.3	<0.05	5	<0.5	<0.2
K960265	Soil	27	0.50	58	0.096	<1	1.27	0.013	0.26	5.4	0.01	2.9	0.2	<0.05	5	<0.5	<0.2
K960266	Soil	29	0.49	60	0.072	<1	1.29	0.010	0.22	6.7	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
K960267	Soil	33	0.80	66	0.065	<1	1.57	0.008	0.22	5.4	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
K960268	Soil	29	0.55	82	0.062	<1	1.38	0.015	0.16	6.6	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
K960269	Soil	29	0.55	92	0.068	<1	1.31	0.010	0.19	5.4	0.02	2.3	0.2	0.06	5	<0.5	<0.2
K960270	Soil	31	0.68	85	0.081	<1	1.59	0.011	0.26	7.0	0.01	2.9	0.4	0.06	5	<0.5	<0.2
K960271	Soil	43	0.59	61	0.092	<1	1.26	0.032	0.16	4.9	<0.01	4.3	0.2	<0.05	5	<0.5	<0.2
K960272	Soil	25	0.55	99	0.087	<1	1.40	0.007	0.41	4.8	<0.01	1.8	0.4	<0.05	4	<0.5	<0.2
K960273	Soil	30	0.70	86	0.094	<1	1.42	0.012	0.30	9.8	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
K960274	Soil	44	1.06	92	0.134	<1	1.79	0.040	0.66	5.1	0.03	2.3	0.6	0.09	6	<0.5	<0.2
K960275	Soil	17	0.60	64	0.022	<1	1.07	0.004	0.14	5.5	<0.01	1.4	0.1	0.07	3	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
K960276	Soil	1.0	44.5	13.6	51	0.4	28.8	13.7	657	2.56	1.8	2.7	7.1	24	0.1	0.1	0.2	19	0.13	0.071
K960277	Soil	1.1	38.1	13.8	53	0.4	28.7	14.2	621	2.66	2.1	3.5	3.6	16	<0.1	0.1	0.3	20	0.07	0.049
K960278	Soil	1.2	28.8	10.7	51	0.5	25.0	12.3	471	2.15	2.1	1.1	5.9	11	0.2	<0.1	0.1	13	0.08	0.049
K960279	Soil	1.0	44.7	14.6	62	0.5	30.0	13.3	455	3.04	1.8	8.3	6.4	14	<0.1	<0.1	0.2	19	0.07	0.067
K960280	Soil	1.7	38.2	17.4	49	0.4	25.5	12.5	373	2.37	1.6	1.5	5.4	11	<0.1	<0.1	0.3	15	0.07	0.051
K960281	Soil	<0.1	24.2	3.1	75	0.1	39.8	14.9	214	3.25	<0.5	1.3	17.9	8	<0.1	<0.1	<0.1	16	0.10	0.049
K960282	Soil	1.0	32.7	7.6	53	0.2	17.6	9.1	407	2.49	1.3	3.7	5.2	7	<0.1	<0.1	0.3	12	0.03	0.040
K960283	Soil	0.7	26.6	12.4	50	0.3	24.1	11.1	401	2.36	1.3	7.2	6.2	10	<0.1	<0.1	0.3	16	0.08	0.051
K960284	Soil	<0.1	5.0	1.5	22	0.3	8.9	5.0	273	1.05	<0.5	0.8	7.1	5	<0.1	<0.1	<0.1	5	0.05	0.019
K960285	Soil	0.2	2.9	18.8	17	0.2	11.3	5.3	1114	1.26	0.8	<0.5	6.8	14	<0.1	<0.1	<0.1	4	1.01	0.028
K960286	Soil	0.5	39.3	14.2	63	0.9	40.3	18.8	567	3.00	7.8	2.7	2.1	21	0.2	0.4	<0.1	80	0.56	0.075
K960287	Soil	0.8	30.2	10.1	50	0.6	41.4	14.3	529	2.45	5.2	2.4	2.8	19	0.1	0.4	0.1	57	0.31	0.067
K960288	Soil	0.6	45.7	14.1	55	2.7	38.7	15.4	497	2.53	4.6	2.4	1.9	19	0.2	0.4	0.2	64	0.66	0.050
K960289	Soil	1.6	45.9	6.3	50	0.7	48.9	19.9	531	2.90	9.5	1.5	1.2	20	0.1	0.6	<0.1	84	0.54	0.049
K960290	Soil	0.4	67.1	8.2	55	0.5	46.4	23.7	578	3.66	8.2	1.1	1.1	13	<0.1	0.5	<0.1	107	0.42	0.045
K960291	Soil	0.6	69.0	3.3	53	0.7	45.5	25.3	519	3.50	5.5	<0.5	1.0	14	0.1	0.3	<0.1	101	0.51	0.058
K960292	Soil	0.6	58.9	9.5	52	0.4	53.4	21.9	598	3.43	4.8	4.5	2.5	17	0.1	0.5	<0.1	97	0.51	0.077
K960293	Soil	1.3	54.5	7.5	57	0.8	39.8	15.5	464	2.85	8.1	1.6	2.5	18	0.3	0.6	<0.1	88	0.47	0.073
K960294	Soil	0.6	50.5	5.2	53	0.6	32.0	15.1	491	3.08	4.3	2.3	1.5	27	0.1	0.5	<0.1	124	0.51	0.077
K960295	Soil	0.4	73.8	9.1	47	1.5	32.2	17.7	559	2.95	5.9	0.8	1.9	24	0.1	1.1	<0.1	97	0.50	0.082
K960296	Soil	0.5	35.2	4.4	46	0.4	28.5	12.6	466	2.54	6.4	1.7	1.6	20	0.2	1.2	<0.1	76	0.39	0.090
K960297	Soil	0.8	54.9	8.2	62	0.5	61.3	19.4	1192	2.55	7.4	0.9	2.0	23	0.5	0.9	<0.1	66	1.00	0.048
K960298	Soil	1.0	33.2	3.1	41	0.3	23.0	11.1	542	2.24	17.4	<0.5	0.6	23	0.2	1.0	<0.1	47	4.33	0.038
K960299	Soil	0.8	57.8	6.9	47	0.3	52.5	19.4	484	2.68	6.4	2.1	1.5	15	0.2	0.8	<0.1	72	0.49	0.066
K960300	Soil	1.2	49.0	4.7	69	0.6	38.0	16.6	497	2.69	6.4	<0.5	2.1	16	0.5	0.6	0.1	80	0.44	0.065
K960301	Soil	0.1	33.8	2.9	45	13.6	501.1	70.7	757	3.90	1.1	<0.5	0.3	12	0.1	0.1	<0.1	76	0.47	0.064
K960302	Soil	0.4	41.4	4.6	52	1.4	259.8	34.8	718	3.85	1.4	1.6	0.4	18	0.2	0.2	<0.1	116	0.45	0.072
K960303	Soil	0.3	19.8	7.2	52	3.1	333.5	47.1	840	4.80	1.1	0.6	0.5	22	0.2	0.1	<0.1	122	0.72	0.089
K960304	Soil	0.2	29.4	4.3	45	4.9	370.5	36.7	840	3.53	0.8	7.6	0.8	35	0.4	0.1	<0.1	75	1.69	0.068
K960305	Soil	0.4	49.7	7.8	56	7.1	185.2	24.8	858	3.35	1.2	2.4	1.0	31	0.2	0.2	<0.1	79	0.65	0.117



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
K960465	Soil	0.8	24.9	4.2	50	0.2	1.1	1.7	91	2.01	1.9	2.6	3.3	13	<0.1	<0.1	0.6	3	0.02	0.007
K960466	Soil	0.7	23.1	5.5	49	0.2	14.9	9.5	364	2.17	3.4	0.5	3.9	11	0.2	0.5	0.1	33	0.18	0.056
K960467	Soil	0.3	19.0	6.1	40	0.1	14.6	8.5	310	1.81	2.8	1.1	3.3	11	0.2	0.4	<0.1	27	0.17	0.051
K960468	Soil	0.8	24.3	7.5	45	0.2	14.6	7.4	311	2.04	4.2	1.4	3.6	22	0.1	0.2	0.1	47	0.20	0.049
K960469	Soil	0.3	41.3	3.5	79	0.2	1.9	1.4	419	3.15	<0.5	12.5	6.7	15	<0.1	<0.1	0.3	20	0.04	0.027
K960470	Soil	0.4	11.1	3.9	59	<0.1	24.7	12.3	476	2.65	2.0	0.5	2.9	10	<0.1	0.2	<0.1	52	0.13	0.027
K960471	Soil	0.6	9.8	1.8	32	<0.1	7.5	6.7	275	1.65	0.6	0.9	4.2	12	<0.1	<0.1	0.1	16	0.15	0.025
K960472	Soil	0.7	19.6	6.4	40	0.2	51.0	10.1	266	2.02	2.4	1.2	4.1	13	0.1	0.2	0.2	34	0.19	0.046
K960473	Soil	0.2	13.9	5.0	44	0.1	6.2	5.5	291	1.43	1.2	<0.5	6.4	11	<0.1	<0.1	0.1	20	0.12	0.030
K960474	Soil	0.6	22.4	7.3	51	0.2	21.2	11.1	329	2.11	2.7	1.0	4.8	16	<0.1	0.2	0.1	41	0.24	0.054
K960475	Soil	0.8	21.6	6.4	44	0.3	13.8	10.0	349	2.27	2.9	12.7	3.2	14	<0.1	0.3	0.1	48	0.21	0.031
K960476	Soil	0.3	16.3	2.7	20	0.1	3.8	5.1	178	1.02	1.5	1.7	1.5	15	<0.1	0.1	0.4	24	0.18	0.011
K960477	Soil	0.8	26.1	8.4	58	0.4	16.3	12.3	444	2.51	3.3	3.7	2.8	21	0.2	0.2	0.3	53	0.24	0.072
K960478	Soil	0.7	19.2	7.8	37	0.4	15.3	8.1	262	1.79	3.0	2.3	3.6	14	<0.1	0.2	0.1	36	0.21	0.056
K960479	Soil	0.7	24.9	5.3	34	0.3	15.0	8.7	305	1.69	2.8	1.2	3.6	16	0.1	0.2	<0.1	37	0.27	0.065
K960480	Soil	1.2	16.0	5.7	46	0.4	12.1	6.4	226	1.77	3.8	1.4	2.1	16	0.1	0.2	0.2	40	0.18	0.046
K960481	Soil	0.4	22.8	7.2	44	0.3	13.0	12.0	420	2.29	2.1	<0.5	1.4	16	<0.1	0.1	<0.1	58	0.34	0.048
K960482	Soil	0.7	8.3	4.7	20	0.7	7.0	4.1	138	1.03	1.7	<0.5	0.4	10	<0.1	0.1	<0.1	31	0.12	0.025
K960483	Soil	0.9	21.6	7.6	37	0.4	23.8	7.4	267	1.62	2.7	3.0	2.4	11	0.1	0.2	<0.1	37	0.16	0.040
K960484	Soil	0.6	21.3	6.6	46	0.3	17.3	9.2	385	1.96	2.0	<0.5	4.3	15	<0.1	0.2	<0.1	39	0.29	0.082
K960485	Soil	0.9	22.3	6.4	41	0.4	17.3	7.8	305	1.74	2.1	1.9	3.9	12	0.2	0.3	<0.1	40	0.26	0.078
K960486	Soil	1.2	17.4	7.3	42	0.4	19.9	7.8	251	1.98	4.0	8.7	3.2	12	0.2	0.4	<0.1	42	0.22	0.062
K960487	Soil	0.5	10.2	6.0	45	0.2	11.1	5.5	269	1.77	2.6	1.0	3.8	16	<0.1	0.2	1.3	39	0.21	0.065
K960488	Soil	0.3	8.5	3.9	35	0.1	9.1	5.1	255	1.35	2.5	0.9	4.9	13	<0.1	0.2	0.6	30	0.19	0.058
K960489	Soil	0.3	9.2	3.8	35	0.2	5.4	4.0	259	1.14	1.5	<0.5	3.4	9	<0.1	0.1	0.8	24	0.15	0.045
K960490	Soil	0.3	7.8	4.2	39	0.2	7.6	4.4	278	1.35	1.7	<0.5	4.3	11	0.1	0.2	0.6	29	0.20	0.062
K960491	Soil	0.3	7.1	4.7	34	0.1	5.7	4.1	252	1.13	1.9	1.2	3.7	9	<0.1	0.1	0.7	22	0.13	0.044
K960492	Soil	0.2	6.9	4.0	40	<0.1	5.1	3.7	293	1.07	1.4	<0.5	4.9	7	<0.1	<0.1	0.5	20	0.15	0.056
K960493	Soil	0.1	5.5	2.3	32	<0.1	3.3	3.1	230	0.96	0.9	<0.5	4.9	14	<0.1	0.1	0.2	21	0.14	0.049
K960494	Soil	0.4	7.0	4.2	35	0.1	6.2	4.0	252	1.17	1.7	<0.5	5.7	10	<0.1	0.2	0.4	24	0.14	0.044



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K960465	Soil	2	0.07	315	0.009	1	0.32	0.017	0.16	3.6	<0.01	0.9	<0.1	<0.05	2	0.7	0.6
K960466	Soil	18	0.62	121	0.063	<1	1.13	0.009	0.17	3.6	<0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
K960467	Soil	19	0.55	136	0.058	1	0.87	0.011	0.21	2.8	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
K960468	Soil	27	0.58	115	0.090	1	1.17	0.009	0.26	2.2	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
K960469	Soil	4	1.03	252	0.123	<1	1.38	0.012	0.91	1.4	<0.01	3.6	0.3	0.06	6	1.4	<0.2
K960470	Soil	84	1.75	145	0.084	<1	2.03	0.007	0.25	2.1	<0.01	4.1	0.1	<0.05	5	<0.5	<0.2
K960471	Soil	14	0.64	174	0.039	<1	1.01	0.035	0.32	1.9	<0.01	2.0	<0.1	0.18	3	<0.5	<0.2
K960472	Soil	66	0.83	106	0.066	2	1.00	0.023	0.20	4.0	<0.01	2.4	0.1	0.16	3	<0.5	<0.2
K960473	Soil	10	0.54	117	0.054	<1	0.79	0.027	0.31	4.4	<0.01	1.8	0.1	0.18	2	<0.5	<0.2
K960474	Soil	34	0.73	141	0.087	<1	1.22	0.016	0.14	2.9	<0.01	2.3	0.2	0.16	3	<0.5	<0.2
K960475	Soil	22	0.81	94	0.082	1	1.37	0.011	0.17	3.2	0.01	2.7	<0.1	0.17	4	<0.5	<0.2
K960476	Soil	9	0.35	260	0.044	<1	0.62	0.017	0.13	12.5	<0.01	1.6	0.2	0.10	2	<0.5	<0.2
K960477	Soil	31	0.80	228	0.082	<1	1.41	0.011	0.17	1.6	<0.01	2.4	0.1	0.16	5	<0.5	<0.2
K960478	Soil	26	0.58	113	0.057	<1	1.06	0.016	0.11	3.3	0.01	2.1	<0.1	0.19	3	<0.5	<0.2
K960479	Soil	21	0.63	150	0.062	<1	0.93	0.018	0.12	3.8	<0.01	2.1	<0.1	0.17	3	<0.5	<0.2
K960480	Soil	20	0.49	106	0.057	<1	0.99	0.012	0.10	1.4	0.02	1.7	<0.1	0.17	3	<0.5	<0.2
K960481	Soil	18	0.78	60	0.056	<1	1.25	0.040	0.11	1.6	<0.01	3.9	<0.1	0.18	4	<0.5	<0.2
K960482	Soil	13	0.26	78	0.046	<1	0.54	0.018	0.08	2.1	<0.01	1.0	<0.1	0.18	3	<0.5	<0.2
K960483	Soil	43	0.67	101	0.055	<1	0.86	0.007	0.14	3.1	0.01	1.9	0.1	0.16	3	<0.5	<0.2
K960484	Soil	24	0.69	138	0.056	<1	1.08	0.013	0.10	3.0	<0.01	2.7	<0.1	0.17	3	<0.5	<0.2
K960485	Soil	24	0.56	143	0.066	<1	0.90	0.010	0.17	3.4	<0.01	2.2	<0.1	0.16	3	<0.5	<0.2
K960486	Soil	29	0.55	102	0.062	<1	1.11	0.010	0.12	1.7	<0.01	2.3	<0.1	0.16	4	<0.5	<0.2
K960487	Soil	22	0.42	66	0.084	<1	1.39	0.015	0.22	3.5	0.03	2.3	0.3	0.19	6	<0.5	<0.2
K960488	Soil	16	0.36	60	0.072	<1	1.01	0.019	0.22	6.3	<0.01	1.9	0.3	0.16	4	<0.5	<0.2
K960489	Soil	13	0.29	44	0.065	<1	0.83	0.019	0.25	6.5	0.01	1.4	0.3	0.19	4	<0.5	<0.2
K960490	Soil	14	0.35	62	0.076	<1	1.08	0.017	0.27	5.2	0.01	1.7	0.3	0.16	4	<0.5	<0.2
K960491	Soil	13	0.25	42	0.054	<1	0.85	0.022	0.22	6.9	0.02	1.3	0.3	0.17	4	<0.5	<0.2
K960492	Soil	11	0.26	39	0.059	<1	0.76	0.018	0.25	7.4	0.02	1.5	0.3	0.16	4	<0.5	<0.2
K960493	Soil	9	0.28	37	0.064	<1	0.76	0.028	0.29	5.4	<0.01	1.7	0.3	0.16	4	<0.5	<0.2
K960494	Soil	13	0.30	41	0.058	<1	0.88	0.023	0.22	6.2	<0.01	1.7	0.3	0.15	4	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960495	Soil	0.4	6.8	3.7	31	0.1	5.2	3.6	235	1.13	1.2	<0.5	6.1	8	<0.1	0.2	1.0	23	0.13	0.042	12
K960496	Soil	0.3	6.9	4.5	37	<0.1	5.8	4.4	261	1.40	1.6	<0.5	6.2	16	<0.1	0.1	0.6	30	0.20	0.061	14
K960497	Soil	0.4	8.9	4.8	39	0.2	10.9	4.4	243	1.15	7.1	<0.5	8.7	10	0.1	0.4	0.3	23	0.20	0.060	18
K960498	Soil	0.7	9.8	6.6	41	0.1	9.9	5.2	311	1.45	3.1	1.4	4.3	8	0.1	0.3	0.6	27	0.12	0.039	13
K960499	Soil	0.4	9.9	4.4	21	0.2	6.5	3.0	235	0.67	1.6	<0.5	4.8	8	<0.1	0.3	0.4	12	0.09	0.023	8
K960500	Soil	0.1	6.8	4.6	20	0.1	3.5	2.5	150	0.58	0.9	<0.5	3.9	7	0.1	0.2	0.5	12	0.11	0.029	7
K960501	Soil	1.1	15.9	12.2	32	0.3	13.7	6.6	259	1.48	2.7	1.7	2.4	15	<0.1	0.2	1.1	32	0.27	0.047	12
K960502	Soil	1.0	38.1	5.6	35	0.1	23.2	12.0	388	2.22	2.7	0.6	5.9	7	<0.1	0.2	0.5	33	0.11	0.027	12
K960503	Soil	2.0	22.7	6.8	36	0.2	22.5	9.6	267	2.16	2.6	<0.5	3.1	10	<0.1	0.1	1.0	39	0.23	0.062	12
K960504	Soil	1.3	35.2	7.1	51	0.2	25.5	11.6	304	2.70	2.1	<0.5	5.6	11	<0.1	0.1	1.0	50	0.27	0.041	15
K960505	Soil	1.5	57.1	7.8	212	0.3	42.4	15.1	1213	3.53	3.6	<0.5	6.1	14	0.2	0.2	3.7	63	0.28	0.043	18
K960506	Soil	2.9	22.4	8.4	40	0.4	20.9	9.0	255	1.83	3.7	<0.5	2.8	19	<0.1	0.2	2.2	39	0.42	0.042	14
K960507	Soil	1.5	25.7	9.4	64	0.2	34.4	12.0	321	2.60	4.0	<0.5	6.5	25	<0.1	0.2	0.7	54	0.45	0.045	19
K960508	Soil	2.8	57.2	7.4	80	0.1	47.1	17.8	420	3.79	1.5	<0.5	7.7	14	<0.1	0.1	0.6	51	0.37	0.027	22
K960509	Soil	1.7	22.8	8.5	43	0.1	14.2	7.3	330	1.53	4.0	0.6	6.5	13	<0.1	0.4	1.0	24	0.16	0.037	14
K960510	Soil	1.2	22.5	9.8	42	0.4	23.5	10.2	311	1.83	4.2	0.8	5.8	28	<0.1	0.2	1.7	33	0.27	0.036	17
K960511	Soil	2.5	26.5	9.7	42	0.3	13.5	7.9	483	1.64	3.6	<0.5	5.4	16	0.1	0.3	2.6	31	0.34	0.043	14
K960512	Soil	1.5	30.3	7.8	73	0.5	46.4	13.5	437	2.75	3.4	2.2	4.9	21	0.3	0.3	0.5	84	0.28	0.061	14
K960513	Soil	1.1	18.2	5.7	49	0.6	18.0	8.0	310	2.10	1.9	2.8	5.1	15	0.1	0.1	0.3	68	0.27	0.050	14
K960514	Soil	1.1	25.2	8.3	80	0.5	31.6	11.2	490	2.61	2.2	1.5	8.5	19	0.2	0.2	0.3	81	0.31	0.087	20
K960515	Soil	1.2	28.8	7.7	64	0.5	38.0	10.3	343	2.57	2.7	2.2	3.9	21	0.2	0.2	0.4	80	0.24	0.052	17
K960516	Soil	0.8	25.5	6.7	63	0.2	31.5	10.5	336	2.29	1.8	<0.5	5.6	26	0.4	0.1	0.3	78	0.43	0.101	15
K960517	Soil	1.1	21.8	7.6	60	0.2	29.9	9.2	309	2.41	2.8	1.4	6.3	20	0.3	0.2	0.6	76	0.27	0.067	17
K960518	Soil	1.4	21.2	6.5	57	0.2	25.0	9.2	321	2.02	1.8	1.2	4.4	23	0.3	0.1	1.3	70	0.32	0.070	13
K960519	Soil	1.3	20.5	6.2	52	0.6	25.1	8.6	275	2.01	3.3	1.5	3.5	16	0.2	0.2	0.4	63	0.23	0.049	10
K960520	Soil	1.1	19.9	7.9	59	0.6	24.7	8.9	304	2.40	2.1	0.5	5.9	18	0.3	0.2	0.4	81	0.23	0.059	13
K960521	Soil	2.6	30.2	6.2	176	0.4	27.2	9.1	325	2.41	1.4	<0.5	6.1	27	1.8	0.2	0.4	101	0.52	0.060	13
K960522	Soil	1.4	25.7	6.1	64	0.4	32.5	10.4	365	2.39	2.4	2.3	3.3	19	0.2	0.2	0.4	79	0.28	0.048	10
K960523	Soil	1.6	23.1	5.3	54	0.4	27.6	9.4	295	2.30	2.2	0.6	3.2	14	0.3	0.2	0.2	83	0.25	0.038	10
K960524	Soil	2.8	28.4	6.3	84	0.4	32.3	10.4	303	2.55	1.9	3.3	2.7	22	0.7	0.2	0.3	101	0.47	0.110	8



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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
K960495	Soil			12	0.28	39	0.067	<1	0.74	0.023	0.23	6.9	0.01	1.6	0.3	0.16	4
K960496	Soil			13	0.37	62	0.083	<1	1.20	0.025	0.31	6.8	<0.01	2.4	0.4	0.18	5
K960497	Soil			13	0.27	61	0.059	<1	0.67	0.026	0.19	7.1	0.02	1.5	0.2	0.16	3
K960498	Soil			16	0.34	55	0.050	<1	1.01	0.014	0.17	6.4	0.02	1.7	0.3	0.16	4
K960499	Soil			10	0.17	46	0.026	<1	0.56	0.018	0.11	6.3	<0.01	1.0	0.1	0.17	2
K960500	Soil			7	0.14	37	0.024	<1	0.50	0.020	0.11	5.9	<0.01	1.1	0.2	0.15	2
K960501	Soil			26	0.50	48	0.070	<1	1.08	0.042	0.23	6.7	0.02	1.4	0.3	0.20	5
K960502	Soil			33	0.89	75	0.098	<1	1.60	0.019	0.61	8.9	<0.01	2.8	0.3	0.18	5
K960503	Soil			35	0.67	58	0.087	<1	1.47	0.018	0.34	7.8	0.03	2.5	0.2	0.17	5
K960504	Soil			56	1.11	44	0.105	<1	1.77	0.037	0.26	6.6	<0.01	2.3	0.2	0.17	7
K960505	Soil			72	2.65	100	0.161	<1	3.16	0.023	1.20	4.9	0.02	5.0	2.2	0.14	15
K960506	Soil			35	0.71	41	0.072	<1	1.55	0.030	0.19	8.6	0.01	2.1	0.4	0.22	6
K960507	Soil			55	1.35	80	0.143	1	2.41	0.066	0.76	5.5	0.02	3.2	0.9	<0.05	8
K960508	Soil			40	1.08	130	0.193	1	2.70	0.020	1.08	4.0	<0.01	4.3	0.7	<0.05	8
K960509	Soil			20	0.45	48	0.071	1	1.22	0.020	0.28	6.5	0.04	1.7	0.3	<0.05	4
K960510	Soil			32	0.66	58	0.080	<1	1.80	0.032	0.29	7.5	0.02	2.0	0.4	<0.05	6
K960511	Soil			25	0.56	78	0.085	1	1.35	0.048	0.46	6.9	0.02	2.3	0.6	<0.05	5
K960512	Soil			59	0.87	205	0.109	2	2.06	0.019	0.24	4.4	0.02	4.9	0.3	<0.05	6
K960513	Soil			32	0.62	126	0.099	<1	1.21	0.024	0.18	4.4	0.01	3.4	0.2	<0.05	5
K960514	Soil			44	0.81	155	0.113	<1	1.72	0.019	0.25	3.9	<0.01	4.7	0.3	<0.05	7
K960515	Soil			58	0.75	199	0.097	<1	1.91	0.017	0.13	3.4	0.02	4.1	0.2	<0.05	6
K960516	Soil			46	0.76	155	0.113	<1	1.73	0.029	0.17	3.6	<0.01	4.1	0.2	<0.05	5
K960517	Soil			54	0.78	129	0.106	1	1.74	0.017	0.13	3.7	0.02	3.7	0.2	<0.05	6
K960518	Soil			42	0.71	147	0.098	<1	1.54	0.022	0.16	3.8	0.02	3.2	0.2	<0.05	5
K960519	Soil			42	0.58	129	0.080	<1	1.32	0.019	0.11	7.4	0.01	3.5	0.1	<0.05	4
K960520	Soil			49	0.70	146	0.123	<1	1.60	0.016	0.22	4.3	0.03	3.7	0.2	<0.05	6
K960521	Soil			37	0.65	170	0.090	<1	1.72	0.045	0.22	6.4	<0.01	4.6	0.3	0.26	6
K960522	Soil			52	0.74	199	0.107	1	1.57	0.019	0.13	4.4	0.02	4.3	0.2	<0.05	5
K960523	Soil			43	0.56	157	0.114	<1	1.24	0.021	0.10	3.5	0.01	3.6	0.1	<0.05	4
K960524	Soil			59	0.68	232	0.105	1	1.84	0.022	0.14	4.6	0.01	4.2	0.2	0.07	6



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960525	Soil	1.2	15.7	3.8	40	0.6	21.5	6.8	211	1.43	2.4	<0.5	1.3	12	0.2	0.2	0.2	47	0.20	0.040	7
K960526	Soil	1.3	28.5	6.1	63	0.2	33.9	11.1	377	2.40	2.9	1.6	3.9	18	0.3	0.2	0.3	75	0.26	0.045	12
K960527	Soil	1.6	23.4	5.9	63	0.5	34.7	9.5	308	2.30	2.6	0.5	3.3	15	0.3	0.2	0.4	80	0.24	0.050	10
K960528	Soil	0.4	14.8	5.2	54	0.2	10.4	6.4	372	1.82	1.0	<0.5	21.4	19	0.2	<0.1	<0.1	50	0.48	0.111	48
K960529	Soil	1.5	21.0	6.3	57	0.3	28.2	9.3	304	2.14	2.6	1.1	5.3	17	0.2	0.2	0.3	68	0.25	0.044	12
K960530	Soil	0.5	18.4	7.3	40	0.2	14.7	6.9	307	1.79	1.8	2.3	15.1	19	0.2	0.1	0.4	50	0.32	0.092	29
K960531	Soil	1.2	19.4	7.1	54	0.4	19.9	9.1	339	2.12	2.2	3.5	10.4	15	0.2	0.2	0.2	70	0.29	0.073	26
K960532	Soil	1.3	19.0	9.4	61	0.3	24.9	8.9	386	2.36	3.0	2.2	3.0	17	0.3	0.2	0.3	69	0.31	0.052	11
K960533	Soil	1.4	28.9	7.3	80	0.4	32.0	11.1	408	2.64	2.5	0.9	4.7	25	0.6	0.2	0.3	87	0.33	0.077	14
K960534	Soil	0.4	12.6	6.5	50	0.2	10.7	5.9	322	1.81	0.7	<0.5	17.8	21	<0.1	<0.1	0.1	51	0.29	0.111	35
K960535	Soil	0.6	21.8	8.1	64	0.3	21.6	7.8	443	2.23	2.0	<0.5	11.7	22	0.2	0.1	0.2	64	0.31	0.091	28
K960536	Soil	0.6	41.3	4.9	76	0.2	21.1	16.6	576	3.32	1.5	1.1	4.6	28	0.2	0.1	0.2	92	0.43	0.083	12
K960537	Soil	0.2	10.5	5.5	42	<0.1	4.7	4.6	294	1.57	0.7	<0.5	20.4	15	0.1	<0.1	<0.1	42	0.32	0.113	39
K960538	Soil	0.4	12.9	6.7	52	0.2	16.9	7.4	352	2.04	1.5	<0.5	15.0	18	<0.1	<0.1	0.4	59	0.37	0.112	29
K960539	Soil	1.2	11.0	9.4	47	0.4	12.6	5.0	218	1.15	1.7	<0.5	6.1	9	0.4	<0.1	0.5	31	0.10	0.025	8
K960540	Soil	4.0	57.2	6.5	53	0.5	9.8	2.2	186	5.57	20.6	27.4	2.9	16	0.2	0.4	1.7	48	0.03	0.087	7
K960541	Soil	2.4	23.2	4.0	53	0.3	5.8	2.4	196	2.60	<0.5	<0.5	3.3	29	0.2	<0.1	0.5	47	0.03	0.052	9
K960542	Soil	5.7	20.4	12.8	81	0.5	11.6	4.5	210	2.16	2.8	1.7	6.0	15	0.3	0.2	1.6	62	0.07	0.033	9
K960543	Soil	0.9	15.4	9.8	44	0.2	18.7	7.4	285	1.54	3.2	1.7	12.0	15	0.1	0.2	0.3	47	0.19	0.037	14
K960544	Soil	1.6	33.8	7.4	79	0.1	40.4	11.9	381	2.54	3.6	1.4	4.1	19	0.6	0.2	0.4	80	0.23	0.042	10
K960545	Soil	1.9	23.4	8.2	66	0.2	25.7	8.4	292	2.25	3.3	1.1	4.5	15	0.5	0.2	0.4	76	0.17	0.044	10
K960546	Soil	1.6	26.9	6.5	61	0.3	34.6	10.5	304	2.13	3.5	1.1	3.4	17	0.2	0.3	0.3	73	0.22	0.044	9
K960547	Soil	1.2	32.9	6.1	61	0.3	38.1	10.5	296	2.06	3.2	1.7	4.1	20	0.2	0.2	0.3	71	0.19	0.036	10
K960548	Soil	1.6	29.0	8.1	85	0.2	36.9	10.9	330	2.42	3.7	1.5	4.2	18	0.4	0.2	0.4	70	0.26	0.052	10
K960549	Soil	2.8	24.3	6.9	89	0.3	31.5	10.1	294	2.27	3.9	0.9	2.1	18	0.6	0.3	0.3	94	0.24	0.046	8
K960550	Soil	1.4	22.0	6.5	62	0.2	28.3	9.2	320	2.12	3.0	8.3	3.4	15	0.2	0.2	0.3	70	0.24	0.047	8
K960551	Soil	0.3	7.5	5.1	33	0.2	4.7	4.0	202	1.06	2.6	<0.5	6.6	12	<0.1	0.3	0.4	22	0.12	0.040	13
K960552	Soil	0.4	6.1	5.4	24	0.2	4.8	3.0	151	0.93	2.7	<0.5	3.9	6	<0.1	0.3	0.3	18	0.09	0.038	10
K960553	Soil	0.3	8.9	4.6	26	0.2	3.5	3.0	183	0.87	2.3	0.5	4.8	6	<0.1	0.3	0.2	18	0.09	0.036	11
K960554	Soil	0.3	5.4	3.9	21	0.1	3.0	2.6	175	0.58	2.3	<0.5	4.5	4	<0.1	0.3	0.9	10	0.08	0.031	8



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K960525	Soil	32	0.43	95	0.056	<1	1.13	0.014	0.10	14.1	0.01	2.1	0.1	<0.05	3	<0.5	<0.2
K960526	Soil	45	0.66	203	0.104	<1	1.50	0.017	0.12	3.8	<0.01	3.8	0.2	<0.05	5	0.5	<0.2
K960527	Soil	54	0.68	146	0.094	<1	1.54	0.018	0.14	4.6	0.02	3.8	0.2	<0.05	5	<0.5	<0.2
K960528	Soil	21	0.56	169	0.122	<1	1.05	0.039	0.55	3.5	<0.01	4.0	0.5	<0.05	5	<0.5	<0.2
K960529	Soil	39	0.56	165	0.077	<1	1.47	0.018	0.14	4.2	0.01	3.5	0.2	<0.05	5	0.6	<0.2
K960530	Soil	26	0.54	145	0.096	<1	1.19	0.020	0.32	3.9	<0.01	3.7	0.3	<0.05	5	<0.5	<0.2
K960531	Soil	31	0.64	179	0.118	<1	1.44	0.025	0.28	5.1	0.02	4.0	0.3	<0.05	5	<0.5	<0.2
K960532	Soil	35	0.62	206	0.090	<1	1.78	0.030	0.17	3.2	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
K960533	Soil	41	0.70	205	0.124	<1	1.73	0.022	0.13	3.2	0.02	4.5	0.2	<0.05	5	0.6	<0.2
K960534	Soil	19	0.55	134	0.113	<1	1.14	0.032	0.47	3.5	0.01	3.8	0.5	<0.05	5	<0.5	<0.2
K960535	Soil	31	0.66	156	0.108	<1	1.53	0.018	0.31	3.4	<0.01	4.2	0.4	<0.05	6	<0.5	<0.2
K960536	Soil	27	1.60	231	0.102	<1	2.26	0.020	0.28	1.9	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
K960537	Soil	12	0.49	113	0.111	<1	0.91	0.029	0.47	3.4	0.01	3.5	0.4	<0.05	5	<0.5	<0.2
K960538	Soil	26	0.59	145	0.114	<1	1.39	0.020	0.44	3.8	0.01	4.0	0.5	<0.05	6	<0.5	<0.2
K960539	Soil	20	0.32	78	0.048	<1	0.79	0.022	0.13	7.4	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2
K960540	Soil	37	0.44	91	0.045	<1	1.16	0.011	0.20	3.7	<0.01	1.8	0.2	<0.05	4	1.0	<0.2
K960541	Soil	47	0.52	164	0.091	<1	1.03	0.028	0.48	4.8	<0.01	1.6	0.9	0.31	3	1.4	<0.2
K960542	Soil	30	0.38	111	0.071	<1	1.11	0.016	0.14	6.3	<0.01	2.8	0.2	<0.05	5	0.6	<0.2
K960543	Soil	29	0.41	124	0.062	<1	1.07	0.019	0.11	5.2	0.01	2.6	0.1	<0.05	3	0.5	<0.2
K960544	Soil	52	0.75	190	0.098	<1	1.92	0.016	0.18	3.8	0.02	4.6	0.2	<0.05	5	0.7	<0.2
K960545	Soil	42	0.59	133	0.085	<1	1.52	0.015	0.16	4.7	0.03	3.8	0.2	<0.05	5	0.8	<0.2
K960546	Soil	49	0.65	166	0.084	<1	1.47	0.018	0.13	4.7	0.01	3.7	0.1	<0.05	4	0.6	<0.2
K960547	Soil	52	0.63	174	0.082	1	1.49	0.023	0.13	4.4	0.01	3.7	0.2	<0.05	5	<0.5	<0.2
K960548	Soil	44	0.62	167	0.091	1	1.63	0.015	0.15	4.6	0.02	3.8	0.2	0.08	5	1.4	<0.2
K960549	Soil	45	0.64	198	0.081	<1	1.50	0.016	0.15	4.9	0.02	3.5	0.2	0.06	5	1.3	<0.2
K960550	Soil	43	0.63	156	0.096	<1	1.45	0.016	0.16	5.3	0.02	3.9	0.2	<0.05	5	0.7	<0.2
K960551	Soil	11	0.24	63	0.059	<1	0.93	0.018	0.23	7.7	<0.01	1.6	0.3	<0.05	4	<0.5	<0.2
K960552	Soil	12	0.19	33	0.040	<1	0.78	0.021	0.14	6.2	0.01	1.2	0.2	<0.05	3	<0.5	<0.2
K960553	Soil	8	0.18	38	0.043	<1	0.67	0.018	0.20	7.0	0.01	1.0	0.3	<0.05	4	<0.5	<0.2
K960554	Soil	7	0.14	28	0.027	<1	0.58	0.016	0.15	8.4	<0.01	0.9	0.2	<0.05	2	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

WHI12000009.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
K960555	Soil	0.4	10.6	6.8	37	<0.1	9.9	5.2	264	1.30	4.0	<0.5	7.8	10	0.1	0.3	0.8	25	0.17	0.049
K960556	Soil	0.3	6.3	6.1	40	0.5	3.6	3.2	359	0.94	1.1	<0.5	6.3	7	0.2	0.2	0.3	19	0.13	0.047
K960557	Soil	0.4	7.4	5.2	31	0.4	3.8	3.1	185	0.99	2.6	<0.5	6.9	5	<0.1	0.2	0.5	20	0.11	0.047
K960558	Soil	0.5	6.2	6.1	24	0.1	4.9	3.1	162	0.87	2.0	1.0	4.0	6	0.1	0.2	0.4	19	0.08	0.032
K960559	Soil	0.3	6.5	7.7	36	0.2	4.1	3.3	295	0.83	1.8	<0.5	7.9	5	0.1	0.3	1.7	15	0.10	0.041
K960560	Soil	0.6	10.4	11.5	48	0.6	7.3	4.4	252	1.17	3.4	<0.5	6.6	7	0.2	0.3	5.0	22	0.15	0.045
K960561	Soil	1.0	30.7	12.2	43	0.2	21.7	14.3	602	2.14	2.6	1.3	3.7	14	<0.1	0.1	0.2	16	0.06	0.045
K960562	Soil	0.8	33.5	10.0	50	0.2	25.0	12.5	573	2.15	1.5	4.2	6.1	18	0.1	<0.1	0.2	16	0.10	0.058
K960563	Soil	1.1	37.5	13.1	51	0.3	23.4	13.0	585	2.46	1.5	3.0	6.5	14	<0.1	<0.1	0.1	18	0.08	0.056
K960564	Soil	0.9	28.0	10.4	43	0.2	19.9	10.9	462	2.32	1.3	1.8	4.0	10	<0.1	<0.1	0.1	16	0.04	0.043
K960565	Soil	0.4	10.4	9.9	14	0.2	5.9	3.0	118	0.61	<0.5	4.7	3.4	11	<0.1	<0.1	0.3	6	0.06	0.042
K960566	Soil	0.4	20.6	8.0	45	0.2	21.1	10.4	591	2.04	1.2	3.6	5.6	7	<0.1	<0.1	0.1	15	0.06	0.037
K960567	Soil	0.7	27.2	8.5	58	0.1	26.7	13.2	429	2.34	1.3	5.9	7.7	11	<0.1	<0.1	0.2	15	0.13	0.083
K960568	Soil	1.4	23.1	6.0	30	0.2	14.7	11.9	546	1.56	1.1	2.4	9.1	8	<0.1	<0.1	0.1	8	0.06	0.033
K960569	Soil	0.3	17.3	9.6	42	0.1	14.5	8.0	909	1.93	<0.5	1.0	6.0	262	0.1	<0.1	<0.1	5	5.00	0.044
K960570	Soil	0.9	57.5	9.4	73	0.2	33.9	14.2	1128	2.77	0.8	4.2	8.0	32	0.2	<0.1	0.1	32	0.28	0.088
K960571	Soil	0.6	61.2	4.4	77	0.1	26.9	18.1	1291	3.02	<0.5	2.3	5.6	42	0.1	<0.1	<0.1	56	0.55	0.099
K960572	Soil	0.5	32.0	16.0	59	0.2	31.7	13.9	744	2.95	3.9	24.1	9.9	31	0.2	0.2	0.2	20	0.97	0.066
K960573	Soil	0.3	10.9	10.4	20	0.1	9.6	6.2	727	1.38	0.7	<0.5	5.7	110	0.1	<0.1	<0.1	6	3.93	0.049
K960574	Soil	0.3	15.6	12.5	43	0.1	23.1	9.9	474	2.22	0.9	<0.5	7.1	72	<0.1	<0.1	0.1	9	2.46	0.054



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CERTIFICATE OF ANALYSIS

WHI12000009.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
K960555	Soil			19	0.46	77	0.071	<1	1.32	0.023	0.28	6.5	<0.01	2.1	0.4	<0.05	5
K960556	Soil			8	0.24	33	0.052	<1	0.60	0.016	0.21	5.5	0.01	1.4	0.2	<0.05	4
K960557	Soil			13	0.22	28	0.055	<1	0.77	0.016	0.21	7.4	0.02	1.5	0.3	<0.05	4
K960558	Soil			12	0.18	38	0.043	155	0.61	0.040	0.14	5.5	<0.01	1.2	0.2	<0.05	3
K960559	Soil			10	0.23	34	0.047	<1	0.70	0.026	0.26	10.1	<0.01	1.1	0.3	<0.05	3
K960560	Soil			14	0.29	40	0.066	<1	0.83	0.018	0.29	8.3	<0.01	1.6	0.3	<0.05	4
K960561	Soil			14	0.44	61	0.017	<1	0.88	0.004	0.13	9.7	0.01	1.2	0.1	<0.05	2
K960562	Soil			16	0.54	64	0.020	<1	0.95	0.004	0.14	6.5	<0.01	1.4	<0.1	<0.05	3
K960563	Soil			16	0.55	63	0.017	<1	1.13	0.003	0.13	6.3	<0.01	1.6	0.1	<0.05	3
K960564	Soil			16	0.48	46	0.012	<1	0.95	0.003	0.11	6.5	<0.01	1.0	<0.1	<0.05	3
K960565	Soil			5	0.11	54	0.006	<1	0.36	0.004	0.15	4.5	0.01	0.5	<0.1	<0.05	1
K960566	Soil			15	0.42	49	0.012	<1	0.86	0.004	0.12	6.8	<0.01	1.2	<0.1	<0.05	2
K960567	Soil			16	0.54	42	0.014	<1	0.95	0.003	0.11	4.5	<0.01	1.1	<0.1	<0.05	3
K960568	Soil			9	0.19	48	0.006	<1	0.51	0.004	0.13	8.8	<0.01	1.0	<0.1	<0.05	1
K960569	Soil			5	1.23	28	0.004	<1	0.25	0.003	0.08	3.6	<0.01	0.9	<0.1	<0.05	<1
K960570	Soil			25	0.93	65	0.047	<1	1.22	0.007	0.27	2.8	0.01	2.9	0.2	<0.05	4
K960571	Soil			27	1.37	119	0.075	<1	1.64	0.007	0.39	2.3	0.01	3.3	0.2	<0.05	5
K960572	Soil			18	0.82	69	0.022	2	1.23	0.006	0.14	6.1	<0.01	2.6	0.1	<0.05	3
K960573	Soil			8	0.44	56	0.006	<1	0.32	0.007	0.12	4.6	<0.01	1.1	<0.1	<0.05	<1
K960574	Soil			13	0.94	50	0.011	<1	0.73	0.005	0.11	4.6	<0.01	1.3	<0.1	<0.05	2



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Submitted By: Andrew Caldwell

Receiving Lab: Canada-Whitehorse

Received: March 05, 2012

Report Date: March 28, 2012

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CERTIFICATE OF ANALYSIS

WHI12000010.1

CLIENT JOB INFORMATION

Project: LIVINGSTONE
Shipment ID: SRV-2012-AC-2140
P.O. Number
Number of Samples: 302

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: Predator Mining Group
11th Floor- 888 Dunsmuir Street
Vancouver BC V6C 3K4
Canada

CC: Jack Cote
Linda Lewis

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	302	Dry at 60C			WHI
SS80	302	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	302	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	302	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



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



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CERTIFICATE OF ANALYSIS

WHI12000010.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15				
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	ppm	1	0.1	0.1	0.1	2	0.01	0.001
K960575	Soil				0.4	22.9	15.3	54	0.1	29.0	11.6	557	2.66	2.9	2.5	6.2	11	<0.1	0.1	0.3	20	0.18	0.046	27
K960576	Soil				0.4	25.6	15.7	54	0.2	29.1	12.5	580	2.86	3.1	4.1	7.3	13	0.1	0.2	0.2	18	0.34	0.056	22
K960577	Soil				0.2	45.0	5.8	98	<0.1	42.7	17.1	187	3.77	<0.5	<0.5	9.7	10	<0.1	<0.1	<0.1	21	0.19	0.063	20
K960578	Soil				0.3	25.2	16.6	63	<0.1	30.8	13.9	516	2.90	3.0	3.1	9.5	8	0.1	<0.1	0.2	17	0.14	0.060	21
K960579	Soil				0.3	28.2	16.4	63	<0.1	33.3	13.3	467	2.81	2.8	1.6	8.6	13	<0.1	0.1	0.2	20	0.14	0.054	23
K960580	Soil				0.4	11.9	8.5	42	0.2	14.3	7.3	302	1.97	2.9	1.7	7.4	18	0.1	0.2	0.5	42	0.24	0.073	25
K960581	Soil				<0.1	10.4	9.9	21	<0.1	15.6	7.3	477	1.51	<0.5	<0.5	5.7	204	0.1	<0.1	<0.1	4	6.20	0.040	19
K960582	Soil				0.1	18.4	31.3	64	<0.1	32.9	13.5	477	2.87	1.9	1.0	7.8	22	<0.1	<0.1	0.2	16	0.37	0.043	26
K960583	Soil				0.6	22.2	16.3	56	0.1	24.7	9.8	368	2.40	2.9	0.8	4.3	10	0.1	0.1	<0.1	22	0.23	0.042	20
K960584	Soil				0.6	35.1	9.2	59	<0.1	29.2	11.6	749	3.24	0.7	1.1	9.3	12	0.1	<0.1	<0.1	12	0.74	0.061	26
K960585	Soil				1.4	37.9	17.2	50	0.1	25.4	13.0	576	2.46	1.5	2.0	4.9	17	<0.1	<0.1	<0.1	18	0.09	0.052	13
K960586	Soil				2.7	56.8	17.8	65	0.2	36.8	17.3	1037	2.91	1.2	19.6	4.9	61	0.2	<0.1	0.1	44	0.32	0.094	16
K960587	Soil				1.4	24.1	11.2	31	0.2	14.4	9.0	393	1.68	1.7	3.9	1.7	12	<0.1	0.1	<0.1	16	0.05	0.039	9
K960588	Soil				0.3	17.5	17.7	30	<0.1	11.2	5.8	186	1.24	<0.5	1.6	6.2	3	<0.1	<0.1	<0.1	7	0.04	0.026	12
K960589	Soil				1.2	36.3	16.8	55	0.2	17.5	9.0	400	2.41	1.4	0.8	6.4	13	0.1	<0.1	0.2	20	0.07	0.052	22
K960590	Soil				0.5	15.3	3.5	27	<0.1	15.3	14.7	367	1.12	<0.5	110.8	5.6	7	<0.1	<0.1	<0.1	10	0.04	0.022	10
K960591	Soil				2.1	30.6	10.5	37	0.3	13.9	8.7	1178	1.30	0.6	5.5	1.3	30	0.2	0.2	<0.1	17	0.46	0.099	17
K960592	Soil				0.5	30.2	13.3	48	0.1	27.4	10.9	697	2.08	1.3	17.0	5.0	30	0.1	<0.1	<0.1	25	0.89	0.047	21
K960593	Soil				0.5	28.2	15.3	55	0.3	30.1	13.0	653	2.54	1.1	4.0	5.9	17	0.1	<0.1	0.2	39	0.25	0.059	23
K960594	Soil				0.6	35.1	14.8	66	0.2	34.1	14.2	747	2.75	3.4	2.3	7.5	23	0.2	<0.1	0.1	46	0.36	0.050	23
K960595	Soil				0.6	44.4	5.1	60	0.1	8.1	4.8	274	3.88	<0.5	0.9	9.7	11	<0.1	<0.1	<0.1	36	0.02	0.035	17
K960596	Soil				0.8	31.3	11.6	53	0.1	19.2	10.2	600	2.17	<0.5	0.8	4.1	12	0.2	<0.1	<0.1	32	0.20	0.051	10
K960597	Soil				0.1	30.6	8.3	63	<0.1	30.7	18.1	479	2.81	<0.5	3.7	8.6	4	<0.1	<0.1	<0.1	31	0.06	0.038	22
K960598	Soil				0.4	17.2	5.9	49	0.1	11.4	7.1	446	1.98	1.1	0.8	4.1	11	<0.1	<0.1	<0.1	22	0.06	0.036	14
K960599	Soil				0.3	12.2	6.1	72	<0.1	22.2	12.5	537	2.95	0.6	5.5	5.0	9	<0.1	<0.1	<0.1	35	0.15	0.056	14
K960600	Soil				0.5	46.4	9.6	44	<0.1	17.6	8.9	509	1.92	1.1	1.3	5.7	10	0.1	<0.1	<0.1	39	0.10	0.042	12
K960601	Soil				1.5	22.7	7.4	62	0.2	30.9	10.1	322	2.04	2.9	1.5	7.2	15	0.3	0.3	0.2	69	0.19	0.040	10
K960602	Soil				0.3	2.6	16.1	28	<0.1	2.7	3.5	240	0.93	1.8	<0.5	17.8	6	0.1	0.1	1.8	9	0.11	0.061	16
K960603	Soil				1.4	36.6	6.2	111	0.3	32.6	16.1	564	3.70	2.0	1.3	2.6	51	0.3	0.2	0.2	129	1.04	0.045	4
K960604	Soil				1.4	18.8	5.8	36	0.3	15.1	5.9	232	1.23	1.7	1.2	2.2	10	0.2	0.2	0.4	40	0.14	0.037	5



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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
K960575	Soil			19	0.82	79	0.022	<1	1.28	0.006	0.10	4.4	<0.01	2.0	0.1	<0.05	4
K960576	Soil			19	0.74	84	0.031	<1	1.21	0.006	0.10	5.7	0.01	2.1	0.1	<0.05	3
K960577	Soil			25	1.53	46	0.023	<1	1.97	0.005	0.23	0.9	<0.01	1.5	0.2	<0.05	6
K960578	Soil			19	0.86	47	0.017	1	1.25	0.005	0.12	4.5	<0.01	1.6	0.2	<0.05	4
K960579	Soil			20	0.85	83	0.021	<1	1.51	0.005	0.13	4.2	<0.01	1.9	0.2	<0.05	4
K960580	Soil			21	0.58	113	0.084	<1	1.21	0.016	0.30	4.6	0.01	2.6	0.3	<0.05	5
K960581	Soil			4	0.83	26	0.006	1	0.29	0.007	0.12	2.9	<0.01	1.1	<0.1	0.07	<1
K960582	Soil			20	1.00	52	0.030	<1	1.31	0.004	0.16	3.4	<0.01	1.8	0.2	<0.05	4
K960583	Soil			21	0.82	54	0.017	1	1.27	0.005	0.10	4.4	0.01	1.7	0.1	<0.05	4
K960584	Soil			12	0.49	58	0.017	1	0.82	0.005	0.19	1.6	<0.01	1.9	0.2	<0.05	3
K960585	Soil			18	0.58	57	0.023	<1	1.01	0.004	0.13	7.4	<0.01	1.3	0.1	<0.05	3
K960586	Soil			20	1.01	160	0.045	<1	1.55	0.011	0.43	5.3	<0.01	3.1	0.2	0.16	5
K960587	Soil			11	0.28	41	0.017	<1	0.55	0.003	0.10	10.2	0.01	0.8	<0.1	<0.05	2
K960588	Soil			11	0.37	41	0.015	<1	0.65	0.003	0.16	8.2	<0.01	0.7	<0.1	<0.05	2
K960589	Soil			22	0.56	59	0.029	1	1.02	0.006	0.16	4.9	0.01	1.5	0.2	<0.05	3
K960590	Soil			10	0.26	64	0.029	<1	0.54	0.003	0.27	9.9	<0.01	0.7	0.1	0.09	2
K960591	Soil			17	0.40	98	0.020	<1	0.88	0.006	0.09	16.5	0.04	1.2	0.1	0.14	3
K960592	Soil			26	0.98	105	0.051	<1	1.39	0.004	0.27	5.7	<0.01	2.3	0.2	<0.05	4
K960593	Soil			36	1.24	128	0.068	<1	1.59	0.007	0.34	7.5	<0.01	4.0	0.2	<0.05	5
K960594	Soil			41	1.44	175	0.103	1	1.94	0.017	0.52	4.9	<0.01	4.1	0.3	<0.05	7
K960595	Soil			26	0.94	190	0.106	<1	1.79	0.012	0.75	2.0	<0.01	3.1	0.3	0.33	6
K960596	Soil			23	0.77	91	0.049	<1	1.19	0.009	0.31	7.1	0.01	2.4	0.1	0.07	4
K960597	Soil			27	0.96	98	0.104	<1	1.81	0.005	0.80	3.9	<0.01	2.9	0.3	<0.05	6
K960598	Soil			23	0.62	85	0.055	<1	1.15	0.009	0.36	8.0	<0.01	2.0	0.1	0.05	4
K960599	Soil			28	0.98	88	0.087	<1	1.91	0.007	0.65	3.6	<0.01	2.4	0.4	0.06	6
K960600	Soil			25	0.96	151	0.070	<1	1.44	0.008	0.45	7.3	<0.01	2.9	0.2	<0.05	4
K960601	Soil			45	0.61	162	0.079	<1	1.46	0.016	0.12	6.6	0.01	4.0	0.1	0.07	4
K960602	Soil			6	0.10	44	0.003	<1	0.58	0.015	0.09	5.5	0.01	1.3	<0.1	<0.05	2
K960603	Soil			50	1.30	481	0.172	<1	3.32	0.124	0.78	3.7	0.01	7.1	0.4	0.14	8
K960604	Soil			24	0.31	130	0.046	<1	0.84	0.015	0.10	5.8	0.02	2.2	0.1	0.06	3



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
K960830	Soil	0.6	37.7	9.4	53	0.3	34.6	15.6	458	3.28	6.9	2.3	4.5	29	<0.1	0.6	0.2	106	0.63	0.063
K960831	Soil	0.5	34.3	3.9	31	<0.1	21.0	10.9	206	2.25	2.1	<0.5	5.5	20	<0.1	0.2	<0.1	84	0.60	0.159
K960832	Soil	0.2	64.3	2.8	55	0.2	43.8	22.3	757	4.42	3.0	2.0	0.9	14	0.5	0.8	<0.1	202	2.23	0.031
K960833	Soil	0.6	36.7	4.6	50	0.1	37.3	15.7	443	3.15	7.4	2.3	3.3	27	0.2	0.6	<0.1	107	0.55	0.064
K960834	Soil	0.5	53.8	5.7	47	0.2	31.7	16.0	394	3.31	5.1	1.6	4.9	26	0.2	0.9	0.1	112	0.69	0.077
K960835	Soil	0.5	35.1	5.3	46	0.3	30.5	13.0	409	2.66	13.4	<0.5	3.8	43	<0.1	0.9	0.1	83	0.63	0.064
K960836	Soil	0.5	29.8	5.6	44	0.3	30.0	13.0	346	2.89	6.8	1.6	3.8	24	<0.1	0.6	<0.1	99	0.54	0.064
K960837	Soil	0.5	28.4	2.7	82	0.8	19.6	21.5	620	5.67	2.7	<0.5	1.3	13	0.2	0.2	<0.1	135	1.07	0.127
K960838	Soil	0.4	38.1	5.0	48	0.5	31.2	14.3	402	3.13	6.3	1.1	3.8	27	0.2	0.5	<0.1	98	0.54	0.059
K960839	Soil	0.6	46.5	5.3	49	0.3	28.9	17.5	395	2.86	6.0	1.7	4.4	23	<0.1	0.5	<0.1	92	0.58	0.072
K960840	Soil	0.5	36.0	4.9	42	0.2	27.7	13.3	542	2.94	5.5	1.1	3.9	21	0.2	0.4	<0.1	99	0.65	0.064
K960841	Soil	0.5	35.3	4.3	47	0.4	30.8	17.0	522	3.54	5.6	<0.5	2.3	23	0.1	0.4	<0.1	119	0.66	0.052
K960842	Soil	0.4	29.5	4.9	50	0.2	25.2	13.8	517	2.88	6.5	0.7	3.2	17	0.2	0.5	<0.1	90	0.47	0.054
K960843	Soil	0.6	30.0	4.8	54	0.2	24.4	16.1	652	3.49	6.6	1.3	2.6	16	<0.1	0.5	<0.1	118	0.63	0.051
K960844	Soil	0.5	30.9	5.7	44	0.7	24.8	14.3	446	3.28	5.5	<0.5	2.9	15	0.1	0.5	<0.1	147	0.47	0.051
K960845	Soil	0.9	23.5	6.3	36	0.1	20.7	10.5	294	2.42	3.2	<0.5	10.0	18	<0.1	0.3	<0.1	79	0.38	0.063
K960846	Soil	0.5	23.2	5.4	37	0.2	21.3	11.5	342	2.71	5.3	11.2	4.2	16	<0.1	0.5	<0.1	96	0.48	0.072
K960847	Soil	0.6	31.3	5.4	44	0.2	25.1	14.3	443	3.05	5.5	1.2	4.4	18	<0.1	0.5	<0.1	103	0.53	0.064
K960848	Soil	0.5	28.0	5.7	46	0.1	22.7	13.3	448	2.88	6.2	1.8	3.9	18	0.1	0.5	<0.1	96	0.53	0.062
K960849	Soil	0.5	35.1	4.1	41	0.1	20.2	13.8	459	3.62	4.7	2.9	3.9	17	<0.1	0.4	<0.1	93	0.47	0.064
K960850	Soil	0.6	31.4	6.4	49	0.1	24.9	15.0	527	3.16	7.4	2.7	4.9	22	<0.1	0.7	<0.1	105	0.60	0.068
K960851	Soil	0.5	7.7	5.9	34	0.4	9.3	4.9	200	1.40	2.5	0.5	3.4	8	<0.1	0.3	0.2	31	0.12	0.040
K960852	Soil	1.5	29.4	9.6	66	0.3	24.5	8.6	424	1.80	4.4	<0.5	7.1	12	0.2	0.8	0.3	30	0.27	0.099
K960853	Soil	1.0	19.5	7.3	56	0.1	23.7	10.2	481	2.18	3.7	<0.5	4.0	9	0.1	0.5	0.3	33	0.16	0.050
K960854	Soil	1.5	21.8	8.9	54	0.3	27.2	9.6	406	2.13	5.4	1.2	5.0	12	0.1	0.8	0.4	36	0.18	0.052
K960855	Soil	1.2	16.1	9.2	45	0.2	19.6	7.7	281	2.18	6.4	4.4	1.9	11	0.1	0.5	0.5	44	0.19	0.064
K960856	Soil	0.6	14.7	5.2	50	0.1	17.2	8.6	336	2.03	2.1	<0.5	3.6	24	0.1	0.2	0.5	48	0.31	0.069
K960857	Soil	1.6	19.0	11.3	50	0.2	19.4	9.3	412	2.03	4.2	<0.5	4.6	9	<0.1	0.4	0.3	30	0.15	0.047
K960858	Soil	3.4	19.9	9.9	41	0.2	14.6	7.2	359	1.61	2.8	<0.5	5.6	8	<0.1	0.4	0.6	32	0.11	0.032
K960859	Soil	0.4	19.3	8.2	52	0.3	4.6	3.2	298	0.91	1.9	0.7	7.8	5	0.3	0.8	0.8	10	0.12	0.036



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K960830	Soil	81	1.04	97	0.083	2	1.92	0.031	0.05	1.6	0.03	8.0	<0.1	<0.05	7	<0.5	<0.2
K960831	Soil	37	0.80	63	0.049	1	0.98	0.049	0.16	0.8	<0.01	2.4	0.1	<0.05	4	<0.5	<0.2
K960832	Soil	103	2.22	44	0.198	11	3.77	0.013	0.02	0.4	0.02	21.3	<0.1	<0.05	10	<0.5	<0.2
K960833	Soil	87	1.02	84	0.085	2	1.63	0.035	0.04	1.3	0.01	7.5	<0.1	<0.05	6	<0.5	<0.2
K960834	Soil	55	0.96	87	0.107	2	1.61	0.076	0.06	1.5	0.04	5.8	<0.1	<0.05	6	<0.5	<0.2
K960835	Soil	58	0.73	186	0.057	4	1.89	0.062	0.09	1.3	0.02	6.0	0.1	<0.05	5	<0.5	<0.2
K960836	Soil	73	0.97	87	0.083	3	1.63	0.040	0.05	1.5	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
K960837	Soil	22	1.18	38	0.287	2	1.50	0.049	0.02	1.5	<0.01	7.9	<0.1	0.12	8	<0.5	<0.2
K960838	Soil	63	1.08	105	0.096	2	1.75	0.042	0.05	1.5	0.03	7.2	<0.1	<0.05	6	<0.5	<0.2
K960839	Soil	49	0.84	107	0.097	1	1.48	0.043	0.05	1.7	0.03	6.6	<0.1	0.14	5	<0.5	<0.2
K960840	Soil	60	0.93	77	0.100	2	1.52	0.052	0.05	1.4	0.01	7.2	<0.1	<0.05	5	<0.5	<0.2
K960841	Soil	57	1.11	92	0.164	2	1.71	0.068	0.04	2.2	0.02	7.2	<0.1	<0.05	7	<0.5	<0.2
K960842	Soil	46	0.86	76	0.133	1	1.49	0.032	0.04	1.5	0.01	6.6	<0.1	<0.05	5	<0.5	<0.2
K960843	Soil	48	0.98	92	0.215	1	1.83	0.027	0.04	1.1	0.02	8.3	<0.1	<0.05	7	<0.5	<0.2
K960844	Soil	55	0.88	75	0.151	2	1.57	0.050	0.05	1.5	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
K960845	Soil	41	0.72	76	0.112	<1	1.09	0.048	0.14	2.5	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
K960846	Soil	48	0.65	73	0.096	1	1.20	0.028	0.04	1.7	0.01	5.3	<0.1	<0.05	4	<0.5	<0.2
K960847	Soil	51	0.81	90	0.101	<1	1.30	0.038	0.05	1.4	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
K960848	Soil	47	0.83	96	0.129	1	1.38	0.029	0.06	1.5	0.01	6.1	<0.1	<0.05	5	<0.5	<0.2
K960849	Soil	44	0.78	70	0.082	<1	1.20	0.038	0.05	1.4	0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
K960850	Soil	53	0.84	94	0.131	1	1.49	0.035	0.04	1.4	<0.01	7.4	<0.1	<0.05	6	<0.5	<0.2
K960851	Soil	17	0.37	45	0.052	<1	1.03	0.011	0.15	5.9	0.03	1.9	0.2	<0.05	5	<0.5	<0.2
K960852	Soil	20	0.44	110	0.042	<1	0.85	0.015	0.14	5.2	0.04	2.4	0.2	<0.05	3	<0.5	<0.2
K960853	Soil	23	0.62	70	0.027	<1	1.07	0.009	0.09	5.0	<0.01	2.4	0.1	<0.05	3	<0.5	<0.2
K960854	Soil	28	0.55	93	0.045	<1	1.12	0.010	0.09	5.2	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
K960855	Soil	32	0.52	70	0.044	<1	1.44	0.008	0.08	2.3	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
K960856	Soil	31	0.71	92	0.077	<1	1.23	0.043	0.12	4.0	0.01	3.5	0.1	<0.05	4	<0.5	<0.2
K960857	Soil	22	0.51	56	0.048	<1	1.08	0.011	0.13	8.7	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
K960858	Soil	20	0.52	62	0.040	<1	0.96	0.011	0.12	10.2	0.01	2.3	0.2	<0.05	3	<0.5	<0.2
K960859	Soil	8	0.13	51	0.008	<1	0.48	0.019	0.11	4.0	0.01	0.7	0.1	<0.05	2	<0.5	<0.2



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					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960860	Soil				1.0	19.0	6.3	48	0.1	20.2	9.6	354	2.24	3.6	0.8	4.3	10	0.1	0.4	0.6	43	0.18	0.047	10
K960861	Soil				0.7	14.2	5.6	44	0.3	17.0	9.1	354	1.83	2.4	<0.5	3.1	10	0.1	0.3	0.3	38	0.17	0.049	10
K960862	Soil				1.0	16.7	7.2	47	0.2	19.2	8.3	368	2.15	4.3	<0.5	5.0	11	0.2	0.4	0.3	45	0.20	0.049	13
K960863	Soil				0.8	18.5	6.4	54	0.2	21.8	9.6	377	2.16	3.1	<0.5	4.7	21	0.3	0.3	0.2	54	0.27	0.076	15
K960864	Soil				0.5	14.7	4.5	56	<0.1	14.3	7.3	428	1.66	2.1	<0.5	5.2	9	0.1	0.2	0.3	30	0.18	0.056	13
K960865	Soil				0.6	28.6	4.7	48	0.4	19.2	8.7	300	1.50	1.0	<0.5	5.9	15	0.2	0.2	3.1	25	0.37	0.061	16
K960866	Soil				3.0	16.1	5.8	47	0.2	23.7	10.3	478	2.08	2.0	1.1	5.3	20	0.3	0.2	3.4	36	0.82	0.052	14
K960867	Soil				2.2	12.1	4.3	48	<0.1	17.7	8.6	385	2.04	1.1	0.6	11.5	20	<0.1	0.1	0.4	36	0.44	0.072	28
K960868	Soil				5.2	30.8	6.8	70	0.1	36.7	13.3	519	3.03	1.8	<0.5	7.1	28	0.2	0.2	0.9	57	0.54	0.071	16
K960869	Soil				1.7	26.6	6.7	54	<0.1	26.0	13.2	471	2.82	1.9	<0.5	9.2	9	<0.1	0.2	1.0	29	0.11	0.044	22
K960870	Soil				0.7	10.5	5.5	42	0.2	27.5	9.7	465	1.65	1.4	0.7	7.0	8	0.1	0.1	0.5	29	0.10	0.036	15
K960871	Soil				1.3	31.2	7.6	56	0.2	29.0	12.4	445	2.77	3.1	2.5	7.5	15	<0.1	0.3	1.4	38	0.15	0.051	23
K960872	Soil				3.2	30.1	5.8	51	0.2	26.4	8.7	197	3.60	1.8	<0.5	8.4	4	<0.1	0.2	0.4	19	0.04	0.033	25
K960873	Soil				1.1	27.5	7.5	56	0.2	30.8	12.9	533	2.60	3.0	1.1	4.6	17	0.2	0.2	0.4	58	0.25	0.053	11
K960874	Soil				0.9	25.4	6.8	56	0.2	41.0	13.6	527	2.63	3.7	1.0	4.6	29	0.2	0.3	0.7	44	0.38	0.094	14
K960875	Soil				0.3	8.0	4.4	44	0.2	6.9	4.9	314	1.29	1.2	0.9	2.2	14	0.1	0.2	0.4	29	0.13	0.049	10
K960876	Soil				0.3	7.4	3.2	35	0.1	4.3	3.2	230	1.18	0.7	0.5	1.5	7	<0.1	0.1	0.6	23	0.13	0.061	13
K960877	Soil				<0.1	4.2	1.8	38	<0.1	2.1	2.8	254	0.96	<0.5	<0.5	6.1	11	<0.1	<0.1	0.2	18	0.14	0.056	16
K960878	Soil				0.3	6.2	3.8	34	0.1	5.0	3.6	208	1.20	1.3	0.7	4.8	9	<0.1	0.2	0.7	26	0.13	0.042	13
K960879	Soil				0.1	7.4	2.7	38	0.1	2.6	3.6	326	1.10	<0.5	<0.5	5.4	8	<0.1	0.1	0.3	23	0.16	0.057	14
K960880	Soil				0.3	6.8	3.6	38	0.1	5.2	3.6	247	1.18	0.7	1.2	7.0	8	<0.1	0.1	15.1	23	0.16	0.060	16
K960881	Soil				0.2	9.9	3.4	34	0.1	10.1	5.1	225	1.23	1.4	<0.5	2.3	10	0.1	0.2	0.5	29	0.19	0.055	11
K960882	Soil				0.1	8.9	2.4	53	0.1	16.2	5.8	295	1.44	1.0	<0.5	2.6	41	0.5	<0.1	0.1	66	1.54	0.050	3
K960883	Soil				0.3	15.0	3.6	37	0.2	14.5	5.5	266	1.10	1.6	<0.5	4.4	16	0.2	0.2	0.4	24	0.50	0.057	11
K960884	Soil				0.4	16.0	6.0	50	0.5	19.5	7.8	333	1.85	3.6	0.9	5.4	28	0.2	0.2	0.5	41	0.46	0.057	16
K960885	Soil				0.6	21.5	5.5	54	0.6	23.7	8.6	276	1.94	3.8	0.8	5.9	25	0.2	0.2	1.8	46	0.51	0.061	18
K960886	Soil				0.7	18.2	3.3	28	0.2	15.9	6.7	147	1.18	<0.5	0.7	5.6	16	<0.1	<0.1	<0.1	23	0.44	0.057	16
K960887	Soil				0.6	16.4	5.6	43	0.2	24.0	8.7	253	1.84	4.1	1.0	4.9	22	<0.1	0.2	0.5	45	0.40	0.053	16
K960888	Soil				0.4	10.5	3.9	29	0.2	10.9	5.2	238	1.07	1.9	<0.5	5.0	13	<0.1	0.2	0.3	23	0.25	0.042	11
K960889	Soil				0.6	21.3	6.3	49	0.1	25.4	9.8	316	1.98	4.6	2.2	6.1	25	0.1	0.2	1.4	46	0.47	0.062	19



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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1
K960860	Soil			27	0.70	81	0.064	<1	1.34	0.015	0.11	4.8	0.01	2.8	0.1	<0.05	5
K960861	Soil			27	0.59	60	0.046	<1	1.11	0.011	0.12	5.7	0.02	2.6	0.1	<0.05	4
K960862	Soil			27	0.52	78	0.069	<1	1.32	0.011	0.13	3.8	0.02	2.7	0.2	<0.05	5
K960863	Soil			27	0.59	96	0.080	<1	1.33	0.034	0.14	3.3	0.02	2.9	0.1	<0.05	4
K960864	Soil			16	0.49	56	0.066	<1	1.18	0.026	0.27	5.3	0.02	2.3	0.2	<0.05	4
K960865	Soil			20	0.69	64	0.080	<1	1.23	0.035	0.35	4.2	<0.01	1.9	0.4	<0.05	4
K960866	Soil			35	1.04	85	0.080	1	1.72	0.023	0.22	12.6	<0.01	3.1	0.3	<0.05	6
K960867	Soil			27	0.96	74	0.097	<1	1.51	0.051	0.41	10.3	<0.01	3.0	0.5	<0.05	6
K960868	Soil			51	1.62	133	0.126	2	2.44	0.090	1.01	54.5	<0.01	3.3	1.1	0.08	8
K960869	Soil			25	0.63	75	0.050	<1	1.42	0.007	0.29	4.5	<0.01	2.5	0.3	<0.05	4
K960870	Soil			26	0.74	138	0.057	<1	1.51	0.011	0.30	11.9	<0.01	2.1	0.2	<0.05	4
K960871	Soil			30	0.76	98	0.055	<1	1.64	0.007	0.31	5.6	0.01	3.2	0.3	<0.05	5
K960872	Soil			15	0.21	38	0.011	<1	0.64	0.003	0.12	6.2	0.01	1.7	0.1	<0.05	2
K960873	Soil			30	0.89	92	0.073	<1	1.60	0.022	0.16	5.2	0.01	3.5	0.2	<0.05	5
K960874	Soil			30	1.22	160	0.104	<1	1.60	0.047	0.27	3.9	0.02	3.5	0.2	<0.05	5
K960875	Soil			11	0.33	60	0.055	<1	0.90	0.018	0.22	7.1	0.01	1.8	0.2	<0.05	5
K960876	Soil			11	0.30	47	0.048	<1	0.84	0.021	0.31	2.7	0.01	1.5	0.3	<0.05	4
K960877	Soil			5	0.28	48	0.070	<1	0.72	0.055	0.40	5.0	0.02	1.7	0.4	<0.05	4
K960878	Soil			11	0.29	50	0.064	<1	0.86	0.022	0.24	5.6	<0.01	1.9	0.2	<0.05	4
K960879	Soil			6	0.30	55	0.080	<1	0.70	0.044	0.41	5.6	0.01	2.1	0.3	<0.05	4
K960880	Soil			10	0.35	49	0.071	<1	0.89	0.031	0.33	5.3	0.02	2.0	0.4	<0.05	4
K960881	Soil			18	0.46	69	0.052	<1	1.05	0.021	0.23	7.4	0.02	1.9	0.2	<0.05	4
K960882	Soil			23	2.42	166	0.118	1	2.28	0.062	1.00	1.7	<0.01	5.6	0.8	<0.05	6
K960883	Soil			21	0.44	66	0.057	<1	1.09	0.035	0.23	5.4	0.02	2.0	0.3	<0.05	4
K960884	Soil			32	0.86	97	0.086	<1	1.72	0.037	0.33	4.7	<0.01	3.8	0.4	<0.05	6
K960885	Soil			39	0.89	97	0.095	<1	1.80	0.042	0.30	5.2	0.01	4.4	0.4	<0.05	6
K960886	Soil			24	0.47	47	0.071	<1	0.82	0.064	0.27	4.8	0.01	1.9	0.3	<0.05	3
K960887	Soil			39	0.82	125	0.090	<1	1.93	0.054	0.27	6.0	0.01	3.6	0.3	<0.05	6
K960888	Soil			20	0.45	50	0.051	<1	1.01	0.043	0.21	6.0	0.01	2.0	0.2	<0.05	4
K960889	Soil			40	0.93	81	0.099	<1	2.00	0.062	0.40	4.2	0.01	4.2	0.4	<0.05	7



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K960890	Soil		0.9	21.7	5.8	44	0.3	24.5	9.7	316	1.68	3.8	1.9	4.1	23	0.2	0.3	1.2	37	0.51	0.062	15		
K960891	Soil		0.6	14.1	7.1	40	0.1	19.4	7.9	232	1.69	3.2	0.6	4.4	15	0.1	0.2	0.5	40	0.30	0.039	13		
K960892	Soil		0.5	8.2	3.6	33	<0.1	8.0	4.7	309	1.11	1.1	<0.5	4.7	10	0.1	0.2	0.4	23	0.22	0.053	13		
K960893	Soil		0.3	16.0	5.5	27	0.1	14.6	6.2	267	1.19	1.4	1.3	2.5	18	<0.1	0.1	0.2	26	0.49	0.055	12		
K960894	Soil		0.7	12.8	6.1	37	<0.1	13.3	9.4	825	1.31	2.9	1.4	2.1	12	0.2	0.1	0.3	22	0.28	0.042	8		
K960895	Soil		0.4	11.9	4.5	35	<0.1	11.5	5.8	218	1.38	1.9	1.1	4.7	11	<0.1	0.1	0.4	27	0.24	0.046	10		
K960896	Soil		0.4	13.3	5.8	38	<0.1	20.1	7.6	246	1.81	2.8	1.3	6.2	23	<0.1	0.2	0.5	41	0.30	0.078	15		
K960897	Soil		0.4	10.6	14.6	37	0.5	15.2	7.2	252	1.57	2.2	0.8	4.4	12	<0.1	0.1	0.7	35	0.20	0.047	14		
K960898	Soil		0.6	12.2	7.6	38	0.2	15.2	6.8	242	1.77	2.5	0.8	4.0	26	0.1	0.2	0.3	40	0.23	0.054	15		
K960899	Soil		0.3	12.0	7.3	39	0.2	17.8	9.0	323	1.97	1.6	0.7	12.7	84	<0.1	<0.1	0.1	59	0.52	0.142	39		
K960900	Soil		0.5	11.2	6.8	35	0.2	16.3	6.9	240	1.54	2.8	1.5	5.6	10	<0.1	0.2	0.9	31	0.20	0.049	13		
K960951	Soil		0.1	43.9	5.4	62	0.2	41.4	17.0	656	2.97	4.8	3.3	0.7	14	0.2	0.3	<0.1	43	0.60	0.042	2		
K960952	Soil		0.2	39.0	9.6	57	0.3	53.2	18.3	644	2.66	8.8	5.0	0.4	13	0.2	0.3	0.2	48	0.18	0.051	2		
K960953	Soil		0.1	58.9	11.3	61	0.3	84.6	22.9	688	3.45	10.6	4.3	1.0	14	0.2	0.4	0.1	81	0.32	0.080	4		
K960954	Soil		<0.1	36.3	9.8	43	0.1	89.9	19.8	614	2.41	3.7	2.1	0.4	13	0.2	0.2	0.9	60	0.23	0.052	1		
K960955	Soil		0.2	52.9	19.7	142	1.3	82.4	21.7	797	3.71	77.3	42.8	2.0	9	1.6	1.2	0.1	77	0.22	0.082	6		
K960956	Soil		0.1	30.4	16.2	47	0.4	192.2	23.4	590	2.64	39.5	13.0	1.3	13	0.4	0.8	0.1	55	0.24	0.039	4		
K960957	Soil		0.1	7.3	10.2	40	0.8	34.7	5.5	483	0.81	6.9	17.4	0.3	165	1.1	0.3	<0.1	10	14.40	0.030	3		
K960958	Soil		0.3	68.2	31.9	62	2.8	87.9	13.0	566	3.91	302.6	248.4	5.8	28	0.8	4.8	0.1	19	0.30	0.062	13		
K960959	Soil		0.2	29.2	8.8	38	0.2	294.0	29.3	528	2.59	7.1	<0.5	0.7	8	0.5	0.3	0.1	42	0.22	0.049	3		
K960960	Soil		0.8	36.3	5.2	57	0.1	34.0	13.7	472	2.64	2.7	5.1	2.0	13	0.2	0.3	<0.1	51	0.29	0.083	7		
K960961	Soil		0.6	29.8	4.0	38	<0.1	12.2	12.8	334	2.95	5.8	1.2	1.9	13	0.1	0.1	0.1	55	0.24	0.067	6		
K960962	Soil		0.3	68.1	4.6	77	0.1	9.1	17.2	855	4.38	0.7	1.1	3.0	23	0.1	<0.1	0.1	105	0.65	0.097	10		
K960963	Soil		0.5	44.7	4.8	70	0.1	13.4	15.4	622	3.05	2.0	1.2	2.2	14	<0.1	0.1	0.1	85	0.30	0.090	6		
K960964	Soil		0.9	25.1	6.8	41	<0.1	7.9	6.7	319	2.97	2.7	3.8	3.3	10	0.2	0.2	0.1	44	0.21	0.071	8		
K960965	Soil		0.8	31.5	6.0	40	0.2	9.4	8.9	405	2.39	3.0	1.1	4.4	13	0.1	0.1	0.1	42	0.24	0.074	10		
K960966	Soil		0.5	54.5	5.0	47	<0.1	11.3	12.7	643	3.11	1.8	<0.5	5.2	13	<0.1	0.1	0.2	45	0.37	0.134	12		
K960967	Soil		0.4	36.9	4.4	43	0.2	9.1	10.6	550	2.45	1.5	2.2	2.7	11	<0.1	0.1	0.1	41	0.28	0.106	8		
K960968	Soil		0.2	24.2	3.2	23	0.2	5.6	5.4	230	1.23	<0.5	<0.5	0.5	8	<0.1	<0.1	<0.1	32	0.13	0.049	2		
K960969	Soil		0.4	36.0	3.9	47	0.2	16.0	11.8	572	3.06	1.7	1.4	3.9	16	<0.1	<0.1	0.1	41	0.38	0.151	12		



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
K960890	Soil	37	0.74	69	0.071	<1	1.59	0.056	0.31	6.3	0.02	3.2	0.3	<0.05	6	<0.5	<0.2
K960891	Soil	34	0.74	67	0.077	<1	1.66	0.036	0.23	5.8	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
K960892	Soil	14	0.36	53	0.060	<1	0.85	0.023	0.27	6.6	0.02	1.7	0.3	<0.05	4	<0.5	<0.2
K960893	Soil	22	0.42	62	0.051	<1	1.11	0.078	0.18	5.0	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
K960894	Soil	16	0.33	102	0.039	<1	0.67	0.012	0.18	6.6	0.01	1.7	0.2	<0.05	3	<0.5	<0.2
K960895	Soil	20	0.49	55	0.065	<1	1.15	0.032	0.24	5.6	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
K960896	Soil	35	0.73	114	0.081	<1	1.69	0.032	0.34	6.0	0.02	3.4	0.3	<0.05	5	<0.5	<0.2
K960897	Soil	28	0.61	74	0.072	<1	1.38	0.030	0.35	8.5	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
K960898	Soil	27	0.65	129	0.076	<1	1.40	0.023	0.32	5.8	0.02	2.6	0.3	<0.05	5	<0.5	<0.2
K960899	Soil	26	0.99	223	0.122	<1	1.50	0.041	0.60	2.2	0.02	3.4	0.3	<0.05	5	<0.5	<0.2
K960900	Soil	25	0.51	71	0.063	<1	1.52	0.024	0.19	6.0	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
K960951	Soil	51	1.69	68	0.042	<1	1.88	0.009	0.05	1.8	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
K960952	Soil	105	1.67	59	0.034	<1	1.56	0.004	0.05	3.0	0.03	2.3	<0.1	0.06	4	<0.5	<0.2
K960953	Soil	168	2.49	45	0.046	1	2.11	0.007	0.03	1.4	0.02	6.3	<0.1	<0.05	7	<0.5	<0.2
K960954	Soil	174	2.27	48	0.038	<1	1.51	0.007	0.03	1.9	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
K960955	Soil	136	1.85	192	0.016	1	1.58	0.008	0.07	3.2	0.02	7.0	<0.1	<0.05	6	<0.5	<0.2
K960956	Soil	249	2.66	93	0.036	<1	1.62	0.005	0.04	2.7	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
K960957	Soil	51	2.14	219	0.012	3	0.31	0.003	0.04	2.6	<0.01	1.9	<0.1	<0.05	<1	<0.5	<0.2
K960958	Soil	81	0.77	415	0.003	<1	1.17	0.005	0.04	2.6	0.08	7.4	<0.1	<0.05	3	<0.5	<0.2
K960959	Soil	501	2.85	69	0.020	2	1.03	0.005	0.05	2.8	0.02	3.2	<0.1	<0.05	3	<0.5	<0.2
K960960	Soil	42	0.96	121	0.058	<1	1.33	0.008	0.10	3.4	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
K960961	Soil	18	0.81	241	0.098	<1	1.54	0.006	0.24	1.8	<0.01	2.7	0.1	<0.05	5	<0.5	<0.2
K960962	Soil	10	1.08	256	0.036	<1	1.46	0.017	0.08	1.1	0.02	6.2	<0.1	<0.05	7	<0.5	<0.2
K960963	Soil	19	1.09	263	0.073	<1	1.57	0.008	0.24	2.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
K960964	Soil	15	0.57	88	0.043	<1	1.33	0.004	0.07	1.7	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
K960965	Soil	17	0.52	121	0.047	<1	1.21	0.007	0.08	1.5	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
K960966	Soil	12	0.77	156	0.030	<1	1.30	0.006	0.09	2.2	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
K960967	Soil	12	0.64	120	0.034	<1	1.09	0.011	0.08	1.9	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
K960968	Soil	8	0.42	85	0.042	<1	0.70	0.020	0.10	0.8	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
K960969	Soil	21	0.88	297	0.039	<1	1.26	0.007	0.14	2.0	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
K960970	Soil			0.6	24.3	2.8	32	0.1	7.4	10.7	783	3.63	1.3	0.7	4.0	8	<0.1	<0.1	<0.1	29
K960971	Soil			0.5	60.0	4.3	50	0.1	10.8	13.1	741	3.26	1.6	2.2	4.4	12	0.1	<0.1	0.2	48
K960972	Soil			0.6	71.2	4.6	69	0.1	16.1	15.8	794	3.82	2.5	2.3	4.3	12	0.2	0.5	0.2	75
K960973	Soil			0.6	35.1	4.8	58	<0.1	14.8	13.3	776	3.39	1.6	<0.5	3.7	11	<0.1	0.1	0.2	64
K960974	Soil			0.3	35.4	3.8	48	0.1	8.6	11.1	616	2.82	1.4	1.2	4.8	13	0.2	<0.1	0.2	45
K960975	Soil			0.3	21.9	3.9	69	<0.1	16.3	13.4	716	2.70	1.6	0.6	2.7	22	<0.1	0.1	0.1	60
K960976	Soil			0.5	36.8	3.1	34	0.1	13.8	10.4	397	3.25	3.7	<0.5	4.1	19	<0.1	0.2	0.3	55
K960977	Soil			1.3	37.2	7.4	77	0.2	23.0	12.6	651	2.58	3.1	1.1	2.9	15	0.2	0.3	0.1	51
K960978	Soil			1.1	18.6	9.0	68	0.3	19.4	10.1	408	2.32	3.9	1.6	2.8	13	0.3	0.3	0.1	51
K960979	Soil			0.1	71.4	5.1	113	0.1	13.7	13.3	1004	2.70	0.7	2.0	2.5	21	0.2	<0.1	<0.1	43
K960980	Soil			0.7	42.2	6.9	51	<0.1	2.2	4.3	1215	1.54	<0.5	1.6	6.9	40	0.2	<0.1	0.1	4
K960981	Soil			1.2	22.2	8.1	89	0.3	19.7	11.1	500	2.47	4.7	0.6	3.6	13	0.3	0.4	0.1	53
K960982	Soil			1.5	14.3	7.4	65	0.2	11.8	6.1	310	2.20	3.7	4.0	5.3	13	0.3	0.3	0.2	30
K960983	Soil			0.3	115.5	5.2	55	0.1	24.0	21.6	534	2.55	0.9	1.4	1.2	29	0.1	0.1	<0.1	64
K960984	Soil			1.3	28.2	8.4	59	0.3	22.1	9.8	434	2.07	4.5	2.1	4.8	15	0.2	0.3	0.2	40
K960985	Soil			0.2	108.7	1.6	71	0.2	17.4	25.0	770	3.72	0.6	3.2	0.6	50	0.1	0.1	<0.1	69
K960986	Soil			0.7	15.6	6.3	42	0.4	15.6	6.0	197	1.64	3.7	1.8	1.0	12	0.2	0.2	0.1	35
K960987	Soil			0.9	35.0	5.6	61	0.2	21.7	14.2	404	2.89	4.0	3.1	2.6	16	0.2	0.3	<0.1	58
K960988	Soil			1.2	13.0	9.3	40	0.2	9.9	4.8	281	1.44	4.5	3.3	2.4	7	<0.1	0.5	0.6	35
K960989	Soil			0.4	7.7	5.8	27	<0.1	5.8	3.1	172	0.89	2.2	1.3	2.2	3	<0.1	0.3	0.7	18
K960990	Soil			0.4	8.6	5.2	43	0.2	6.7	3.9	237	1.14	2.6	0.8	5.8	6	0.1	0.2	0.6	19
K960991	Soil			0.8	17.6	14.7	48	0.3	17.1	7.0	338	1.45	5.7	1.3	4.8	8	0.2	0.7	0.6	24
K960992	Soil			1.1	11.3	9.6	35	0.2	6.1	4.1	263	1.32	7.5	<0.5	22.7	4	<0.1	0.3	0.5	16
K960993	Soil			1.3	17.4	8.3	55	0.2	20.7	7.7	343	1.72	5.5	1.3	4.6	11	0.1	0.5	0.4	30
K960994	Soil			1.1	15.2	8.6	50	0.3	22.0	7.1	312	1.59	6.1	2.5	4.5	11	0.2	0.6	0.3	32
K960995	Soil			0.6	7.9	6.3	41	0.2	10.6	5.3	269	1.60	3.1	<0.5	11.2	7	0.1	0.2	0.4	25
K960996	Soil			0.4	12.2	4.5	45	0.2	9.1	5.4	329	1.34	1.9	<0.5	5.7	9	<0.1	0.2	0.4	26
K960997	Soil			3.9	42.9	14.7	30	0.2	10.9	6.9	704	1.40	3.6	2.9	2.6	5	0.1	0.6	0.5	18
K960998	Soil			1.0	14.4	7.1	36	0.3	12.6	6.1	282	1.39	2.3	1.0	4.3	7	<0.1	0.3	0.6	24
K960999	Soil			0.2	4.6	2.8	27	0.2	3.0	2.6	165	0.80	0.6	<0.5	8.6	4	<0.1	<0.1	0.1	15



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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
				ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
K960970	Soil			10	0.66	139	0.019	<1	1.25	0.010	0.13	1.6	<0.01	3.0	<0.1	<0.05	3	<0.5
K960971	Soil			18	0.91	184	0.043	<1	1.41	0.008	0.13	2.0	<0.01	4.4	<0.1	<0.05	4	<0.5
K960972	Soil			22	1.10	159	0.069	<1	1.62	0.006	0.22	2.6	<0.01	5.0	<0.1	<0.05	6	<0.5
K960973	Soil			17	1.07	205	0.057	<1	1.62	0.008	0.14	2.2	<0.01	4.2	<0.1	<0.05	5	<0.5
K960974	Soil			9	0.88	196	0.050	<1	1.29	0.006	0.19	2.3	<0.01	3.7	<0.1	<0.05	4	<0.5
K960975	Soil			27	1.17	396	0.089	<1	1.49	0.013	0.32	1.9	<0.01	3.8	<0.1	<0.05	5	<0.5
K960976	Soil			19	0.87	265	0.141	<1	1.45	0.013	0.53	2.2	0.02	3.6	0.2	<0.05	6	<0.5
K960977	Soil			22	0.83	187	0.038	<1	1.30	0.009	0.08	3.7	0.01	3.2	<0.1	<0.05	4	<0.5
K960978	Soil			28	0.66	99	0.066	<1	1.20	0.008	0.10	3.8	0.01	2.4	<0.1	<0.05	4	<0.5
K960979	Soil			7	1.11	96	0.015	<1	1.48	0.012	0.05	1.3	<0.01	3.8	<0.1	<0.05	4	<0.5
K960980	Soil			5	0.10	405	0.013	<1	0.30	0.015	0.08	3.0	0.02	1.5	<0.1	0.10	<1	<0.5
K960981	Soil			22	0.83	172	0.059	<1	1.39	0.006	0.17	3.1	0.01	2.9	<0.1	<0.05	5	<0.5
K960982	Soil			15	0.46	125	0.045	<1	0.93	0.012	0.16	2.9	<0.01	2.2	<0.1	0.10	4	<0.5
K960983	Soil			50	1.41	412	0.102	<1	1.46	0.019	0.09	0.8	<0.01	2.2	<0.1	<0.05	5	<0.5
K960984	Soil			29	0.65	196	0.045	<1	1.04	0.010	0.08	2.9	0.02	2.5	<0.1	<0.05	3	<0.5
K960985	Soil			10	1.95	509	0.097	<1	2.31	0.011	0.04	1.4	<0.01	3.0	<0.1	<0.05	5	<0.5
K960986	Soil			22	0.43	95	0.036	<1	1.00	0.012	0.06	2.5	0.01	1.5	<0.1	<0.05	3	0.5
K960987	Soil			26	1.15	99	0.077	<1	1.61	0.006	0.08	2.5	<0.01	2.6	<0.1	<0.05	5	<0.5
K960988	Soil			18	0.33	49	0.064	1	0.93	0.011	0.21	5.7	0.01	2.0	0.2	<0.05	4	<0.5
K960989	Soil			11	0.21	50	0.041	2	0.68	0.021	0.14	5.2	0.01	1.6	0.1	<0.05	3	<0.5
K960990	Soil			11	0.25	36	0.051	1	0.76	0.014	0.25	5.6	0.01	1.4	0.3	<0.05	4	<0.5
K960991	Soil			22	0.31	57	0.033	1	0.79	0.012	0.12	6.9	0.01	1.7	0.2	<0.05	3	<0.5
K960992	Soil			9	0.18	35	0.040	1	0.60	0.011	0.22	7.9	<0.01	1.8	0.4	<0.05	4	<0.5
K960993	Soil			22	0.42	67	0.040	1	0.93	0.010	0.12	6.7	0.01	2.1	0.2	<0.05	3	<0.5
K960994	Soil			23	0.37	65	0.046	<1	0.92	0.008	0.08	5.5	0.02	1.8	0.1	<0.05	3	<0.5
K960995	Soil			15	0.31	53	0.069	<1	0.97	0.013	0.21	5.9	0.01	2.2	0.3	<0.05	4	<0.5
K960996	Soil			11	0.37	72	0.068	<1	0.85	0.028	0.32	5.0	0.01	2.3	0.3	<0.05	4	<0.5
K960997	Soil			12	0.25	42	0.017	<1	0.68	0.005	0.07	6.8	0.02	1.4	0.1	<0.05	2	<0.5
K960998	Soil			15	0.36	55	0.025	<1	0.74	0.008	0.10	9.5	0.01	1.9	0.2	<0.05	2	<0.5
K960999	Soil			7	0.22	33	0.055	<1	0.62	0.024	0.28	6.7	0.01	1.6	0.3	<0.05	3	<0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
K961000	Soil	0.3	9.6	4.6	41	0.3	9.2	5.8	313	1.57	2.2	<0.5	3.7	8	0.1	0.4	0.2	33	0.14	0.057	10
K960090	Soil	0.6	12.6	12.2	41	0.2	17.1	11.9	691	2.15	223.6	8.8	7.0	23	0.1	20.8	0.2	12	0.16	0.039	22



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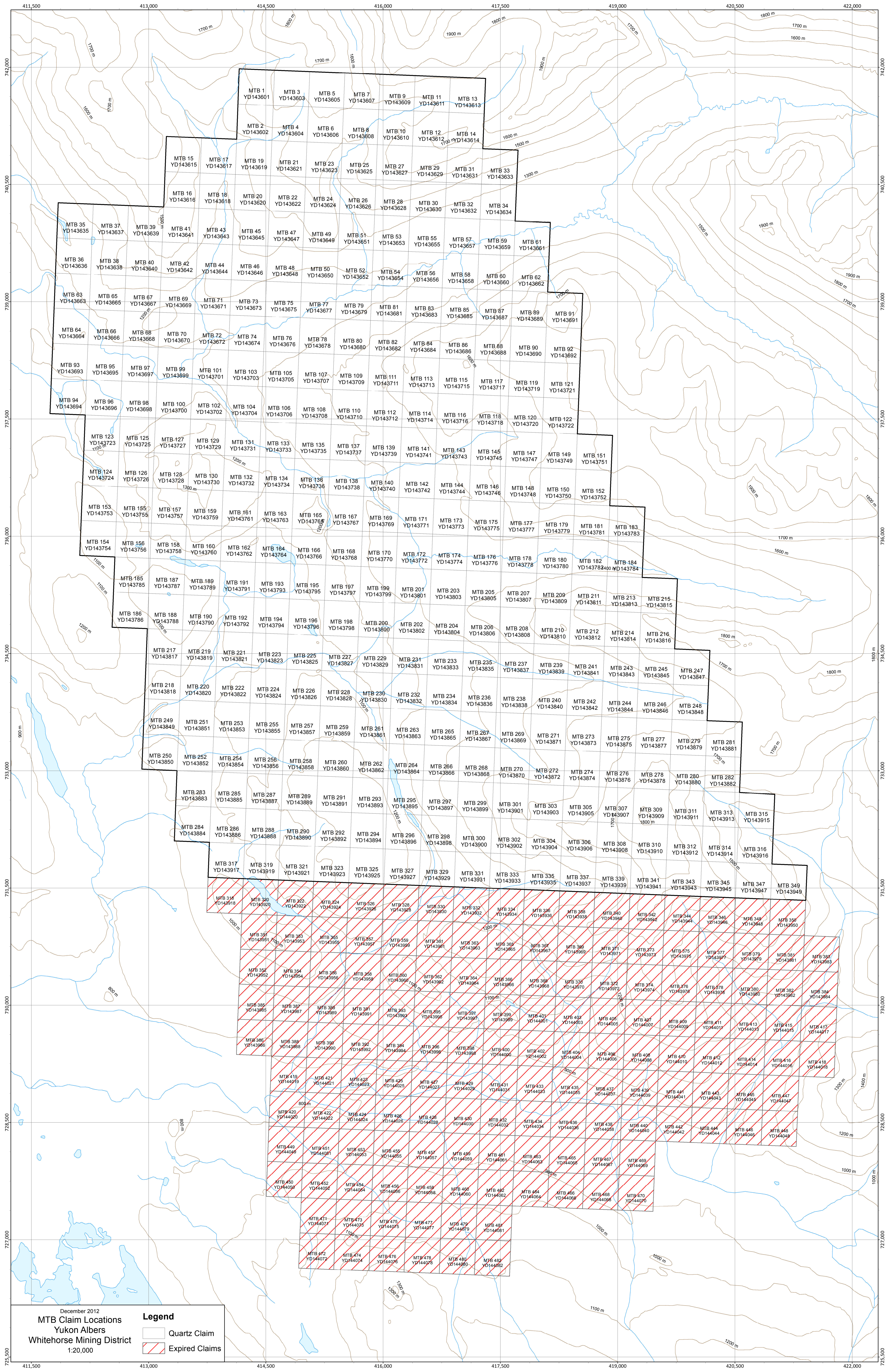
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CERTIFICATE OF ANALYSIS

WHI12000010.1

Method	Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
			MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5
K961000	Soil		17	0.43	54	0.075	<1	0.95	0.013	0.26	5.8	0.01	2.5	0.3	<0.05	4	<0.5
K960090	Soil		10	0.29	88	0.007	<1	0.61	0.006	0.08	4.5	0.12	2.1	<0.1	<0.05	1	<0.5

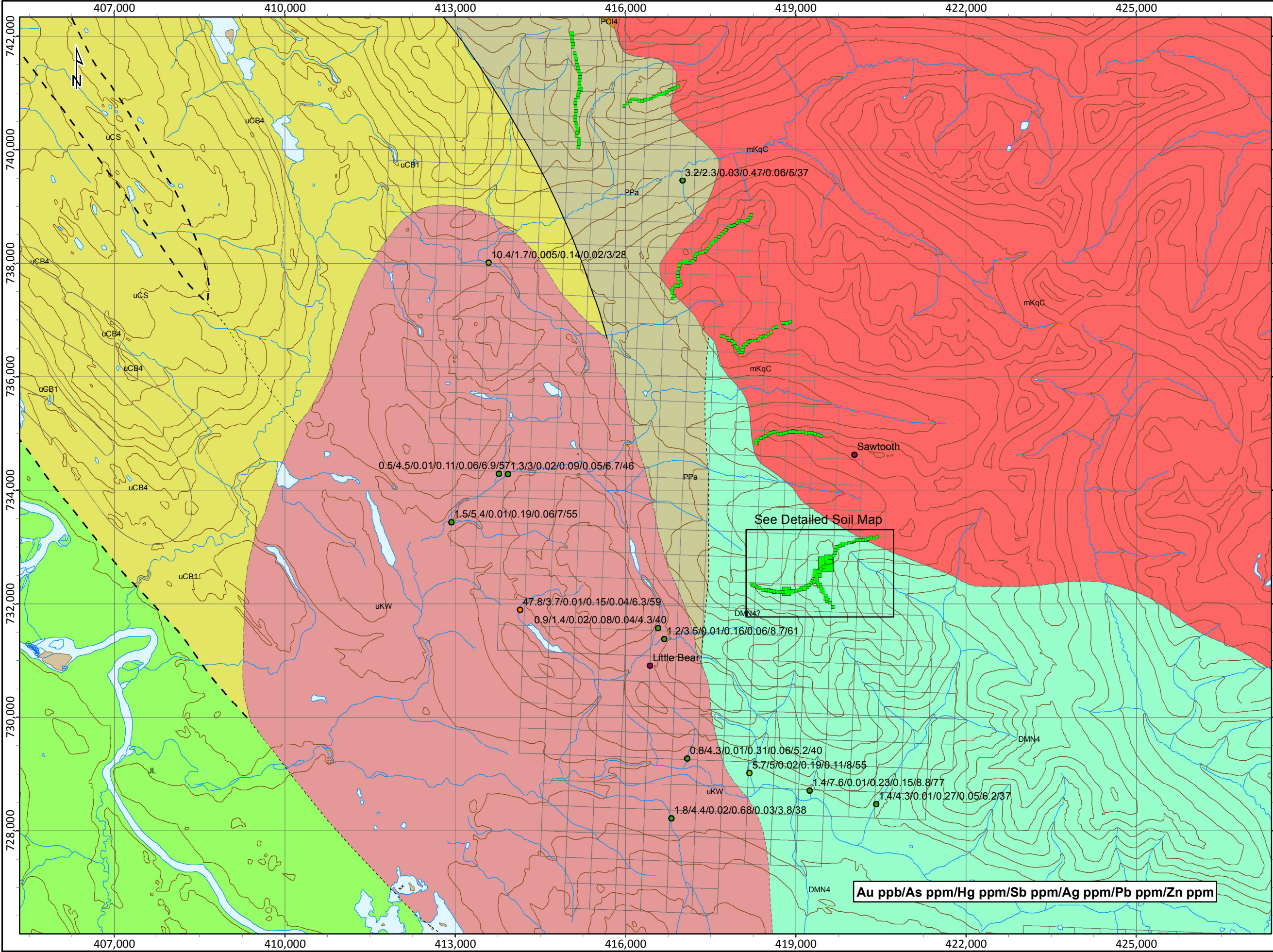


December 2012
MTB Claim Locations
Yukon Albers
Whitehorse Mining District
1:20,000

Legend

Quartz Claim

Expired Claims



Legend

Silts (Au ppb)

- 0.05 - 5
- 5 - 15
- 15 - 25
- 25 - 50
- 50 - 860

Rocks (Au ppb)

- 0 - 10
- 11 - 40
- 41 - 90
- 91 - 1078

Auger Soil Samples (Au ppb)

- 0.0 - 3.0
- 3.1 - 11.2
- 11.3 - 30.1
- 30.2 - 68.3
- 68.4 - 248.4

UPPER CRETACEOUS

uKW: WINDY-TABLE: resistant, columnar jointed, quartz-phyrlic dacite flows, ash and lapilli

tuff; maroon weathering, basal sedimentary and epiclastic rocks; dacite flows and flow breccia; brown basalt flows; includes dykes of quartz feldspar porphyry (Open Creek Volcanics)

MIDDLE CRETACEOUS

mKgC: CASSIAR SUITE: granodiorite, biotite-muscovite granodiorite, quartz diorite, biotite quartz monzonite, granite (Quiet Lake pluton)

JURASSIC

Stikinia (Laberge Gp.)

LATE PALEOZOIC

Semenof Block

DEVONIAN - MISSISSIPPIAN

DMN4: NASINA: quartzite to quartz-muscovite schist

DMN2: NASINA: marble (Nasina assem.)

PROTEROZOIC AND PALEOZOIC

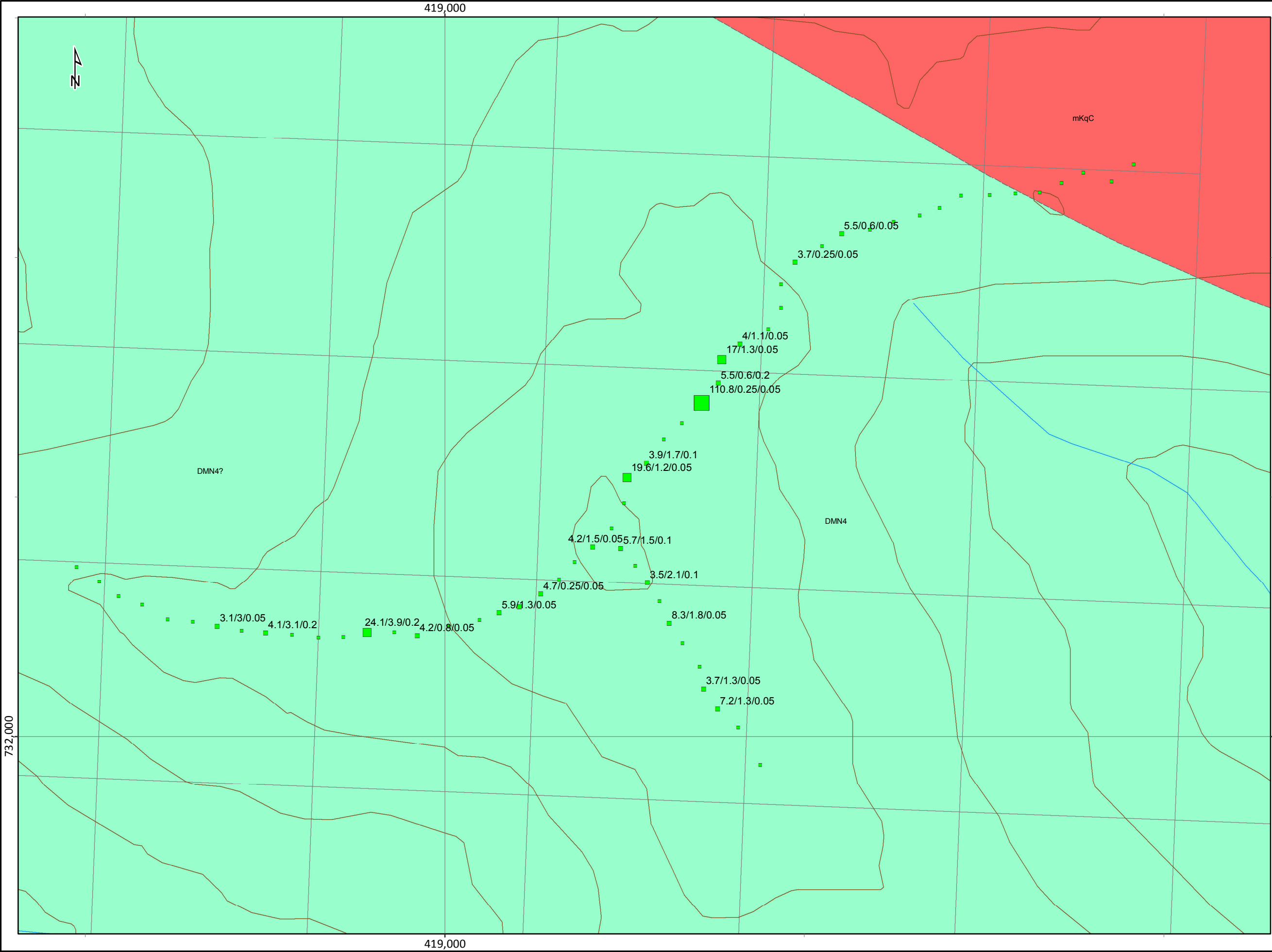
PPa: AMPHIBOLITE: metamorphosed mafic rocks (Gordey and Makepeace, 2004)

MTB Samples

08162432

Kilometers

Scale:	1:64,754	Map ID:	--
Draw Date:		Rev. Date:	--
Version:	1	Figure:	--
Author:		Office:	
Location:			
Projection:	NAD 1983 Yukon Albers		
Filename:	MTB_20121206_samples		



Legend

Au ppb/As ppm/Sb ppm

Auger Soil Samples (Au ppb)

- 0.0 - 3.0
- 3.1 - 11.2
- 11.3 - 30.1
- 30.2 - 68.3
- 68.4 - 248.4

MIDDLE CRETACEOUS

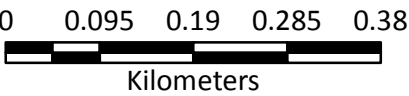
mKgC: CASSIAR SUITE:
granodiorite, biotite-muscovite
granodiorite, quartz diorite,
biotite quartz monzonite,
granite (Quiet Lake pluton)

DEVONIAN - MISSISSIPPIAN

DMN4: NASINA: quartzite
to quartz-muscovite schist
DMN2: NASINA: marble
(Nasina assem.)

(Gordey and Makepeace, 2004)

Detailed Soils



Scale:	1:7,658	Map ID:	--
Draw Date:		Rev. Date:	--
Version:	1	Figure:	--
Author:		Office:	
Location:			
Projection:	NAD 1983 Yukon Albers		
Filename:	MJH 20121101 samples		