

096225

ASSESSMENT REPORT

2011 GEOCHEMICAL PROGRAM

on the

Ladue Property

Dawson Mining District, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: 'MC' 1-28 (YD14231 - YD14258)

NTS Mapsheet: 115N07

UTM Coordinates: E507000, N7037000 (NAD83, Zone 7)

Owner: Goldspike Exploration Inc.

Author: D. Ferraro, HBSc.

Dates worked performed: September 8th, 2011 to September 10th, 2011

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1.0 SUMMARY

A 2 day geochemical sampling program was conducted on the Ladue Property between September 8th, 2011 and September 10th, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 28 contiguous quartz claims located in the Dawson Mining District.

The Ladue Property is situated on the North Ladue River, approximately 97 km southwest of Dawson City. Although there are bush trails in the general area, the property itself is only accessible by air. For this purposes of this program, a helicopter was used based out of Dawson City.

Geologically, the property is located within Yukon Tanana Terrane, a middle to Upper Paleozoic metamorphosed assemblage which extends from central Alaska through central Yukon to northern British Columbia. It consists of polymetamorphosed and polydeformed metasediments, metavolcanics, and metaplutonic rocks. The property is underlain by Klondike schist of Carboniferous to Permian age, observed as well foliated mica and chlorite schists. There is a large, 5x10 km unit of Cretaceous-age felsic volcanics mapped to the south of the property, which was observed in one outcrop. A 1x1 km magnetic high is mapped on the property which could translate to a small buried intrusion.

A total of 193 soil samples and 18 rock samples were taken over the duration of the program. Soil sampling conditions were not ideal due to permafrost and swamp. Few samples returned anomalous gold results. A series of 13 samples in the north corner of the property show promising Pb, Zn, and Cu values. Although outcrop is very limited, prospecting uncovered a well mineralized quartz vein within the schist, as well as anomalous nickel in the volcanic unit.

The Ladue Property is located in a geological setting favourable to gold mineralization. The placer history of the area, local geology and geophysical features are all indicators of potential for gold mineralization. Furthermore, previous hard rock exploration is very limited, and what results do exist show favourable base metal values (no assays done for gold). Although the 2011 program showed limited gold results, the series of base metal anomalies in the northern corner are a target for a limited follow-up program of hand trenching and concentrated soil sampling.

2.0 INTRODUCTION

This assessment report has been prepared at the request of Mr. Bruce Durham, president of Goldspike Exploration Inc. of Toronto, Ontario. The report describes the 2011 geochemical and prospecting program on the Ladue Property. Field work was performed by Druid Exploration Inc. of Dawson City, Yukon and the author of this report. The report text and maps were produced by D. Ferraro, of Ferraro Consulting Ltd. of Woodstock, ON.

3.0 PROPERTY LOCATION AND ACCESS

The Ladue Property is situated in the North Ladue River area, approximately 97 km southwest of Dawson City, and only 5km from the Alaskan border (Figure 1). Although there are bush trails and roads in the general area, as well as a small airstrip to the east, the property and immediate surrounding area is not road accessible. For the purposes of this soil sampling program, a helicopter was used based from Dawson City.



Figure 1: General location of the Ladue Property (modified from NRCAN, 2006).

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Ladue Property is situated in Klondike Plateau. Topographically, the North Ladue River valley lies at about 1700 ft elevation. The property covers the valley bottom and reaches up either side to an elevation of 2700 ft on the west, and 2200 ft on the east. Mountain peaks in the vicinity reach about 3400 ft elevation, and are smooth and partially vegetated.

Vegetation consists of black spruce and other evergreen trees on the slopes and poplar at the higher elevations. The river valley is swampy marshland with buck brush and evergreen. Bedrock exposure is fairly limited across the property except for one particularly exposed ledge at the bottom of the east-facing slope at the North Ladue River.

The Yukon has a subarctic continental climate with a mean summer temperature of 10 degrees celcius and a mean winter temperature of -23 degrees celcius. Temperature extremes of 35 degrees and -55 degrees celcius are common in the summer and winter, respectively.



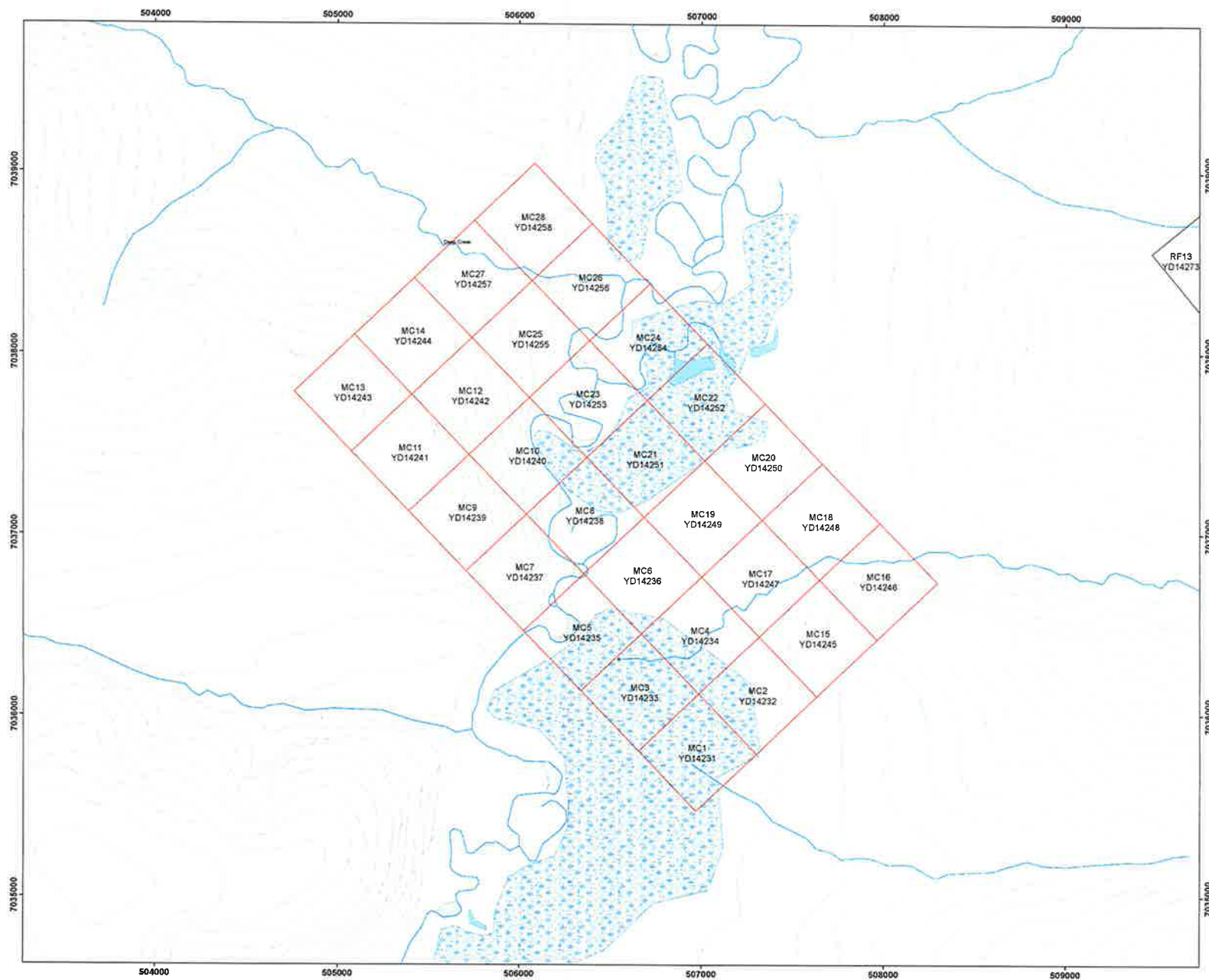
Photo 1: Viewing the North Ladue River valley.

5.0 PROPERTY DESCRIPTION

The Ladue Property consists of 28 contiguous quartz claims in the Dawson Mining District. The 28 'MC' claims can be found on NTS mapsheet 115N07 (see Figure 2). The claims are owned 100% by Goldspike Exploration Inc. of Toronto, Ontario. A complete list of the mining claims that make up the Ladue Property is as follows:

Table 1: Claims comprising the Ladue Property.

Claim Name	Claim Number	Grant Number	Claim Owner	(%)	Claim Expiry Date	Status
MC	1	YD14231	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	2	YD14232	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	3	YD14233	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	4	YD14234	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	5	YD14235	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	6	YD14236	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	7	YD14237	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	8	YD14238	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	9	YD14239	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	10	YD14240	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	11	YD14241	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	12	YD14242	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	13	YD14243	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	14	YD14244	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	15	YD14245	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	16	YD14246	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	17	YD14247	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	18	YD14248	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	19	YD14249	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	20	YD14250	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	21	YD14251	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	22	YD14252	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	23	YD14253	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	24	YD14254	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	25	YD14255	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	26	YD14256	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	27	YD14257	Goldspike Exploration Inc.	100	01/03/2017	Active
MC	28	YD14258	Goldspike Exploration Inc.	100	01/03/2017	Active



Ladue Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

- 'MC' claims
- Yukon quartz claims



1:10,000

750 375 0 750 Meters

Date: July 1st, 2012
NTS Mapsheet: 115N07
Datum: UTM NAD83 Zone 7

6.0 PROPERTY HISTORY

The North Ladue River area is part of the Sixtymile Gold District, an area with a rich placer mining history. Placer gold was first discovered in the Sixtymile Gold District in 1892, and was the most significant gold discovery in the Yukon until the Klondike discovery in 1896. Between 1892 and 1965 234,314 ounces of gold were recovered from the district (Lowey, 2004). The nearest active placer claims are located 2.9 km north of the property.

The Ladue Property area was first staked as the LAD claims in 1970 by Canadian Occidental Petroleum Ltd. It was originally staked to cover a 1x1 km circular aeromagnetic high and a copper anomalous hand sample from the area. A prospecting, mapping, and geochemical soil sampling program was completed by the company (under Occidental Minerals Corporation of Canada) from 1970-1971. With the aid of soil sampling, two copper-zinc anomalies were outlined. Slightly anomalous molybdenum values were also found. No assays were done for gold values and no follow-up work was recommended (Mehrotra and Gleeson, 1971).

The area was restaked worked again in 1979 by Resource Associates of Alaska Inc. The 16 LAD claims were located along a tributary approximately 1 km east of the North Ladue River. Numerous Pb-Zn geochemical anomalies were outlined though soil sampling and tighter sampling spacing was recommended (Johnson, 1979).

7.0 GEOLOGY

7.1 Regional Geology

The North Ladue River area is located within Yukon Tanana Terrane, a middle to Upper Paleozoic metamorphosed assemblage which extends from central Alaska through central Yukon to northern British Columbia. It consists of polymetamorphosed and polydeformed metasediments, metavolcanics, and metaplutonic rocks. The terrane is cut by the Tintina Fault, a right-lateral strike-slip fault which occurs along the suture zone between the Yukon Tanana Terrane to the southwest and ancestral North America to the northeast.

The area southwest of Tintina Fault is mainly underlain by medium- to high-grade, polydeformed Paleozoic metasedimentary (Klondike Assemblage and Nasina Assemblage) and meta-igneous rocks belonging to the Yukon-Tanana Terrane, and minor amounts of altered ultramafic rocks that are assigned to the Slide Mountain Terrane (Lowey, 2004). The Klondike and Nasina assemblages consist mainly of quartz-chlorite schist, quartz-muscovite schist, micaceous quartzite, graphitic quartzite, quartzfeldspar augen schist, amphibolite and orthogneiss (Tempelman-Kluit, 1974). These two pre-accretionary terranes were juxtaposed by regional-scale thrust faulting in Early Mesozoic time, and unconformably overlain by post-accretionary sedimentary and volcanic rocks during mid- to Late Cretaceous time. The

sedimentary rocks, consisting mainly of sandstone, shale and conglomerate have been assigned to the Tantalus Formation and the volcanic rocks to the Carmacks Group (Lowey, 2004).

7.2 Property Geology

The Ladue Property is underlain primarily by Paleozoic 'Klondike schist' observed as well foliated mica and chlorite schists (Figure 4). Small-scale crenulation folding and larger 'chevron folds' are common throughout the unit. Strike ranges from 140 to 170 degrees and dip ranges from 30 to 65 degrees to the south. Quartz veins up to 20cm wide were observed in outcrop, however numerous quartz boulders were observed as large as 1m. Abundant pyrite mineralization was found on the margin of one quartz vein.

A large, 5x10 km unit of Late-Cretaceous felsic volcanics is mapped to the south of the property. This was observed in one outcrop at the very south edge as dark grey felsic to intermediate volcanic. Calcite-quartz stringer veins are common.

A 2009 GSC-funded regional geophysical magnetic survey shows that there is a 1x1 km magnetic high in the North Ladue River valley which could translate to a small buried intrusion (Figure 3). Linear northwest-southeast extensions of this anomaly could be potential feeder dikes (Bremner, 2010).

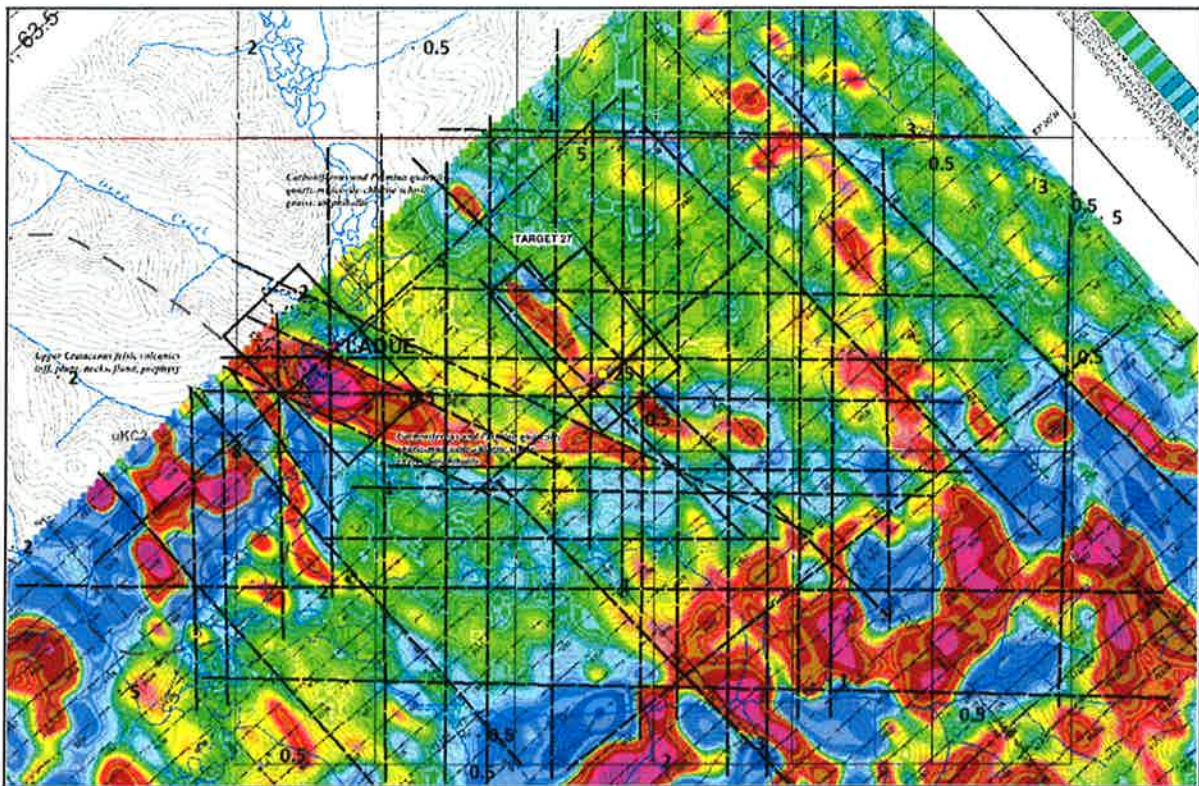
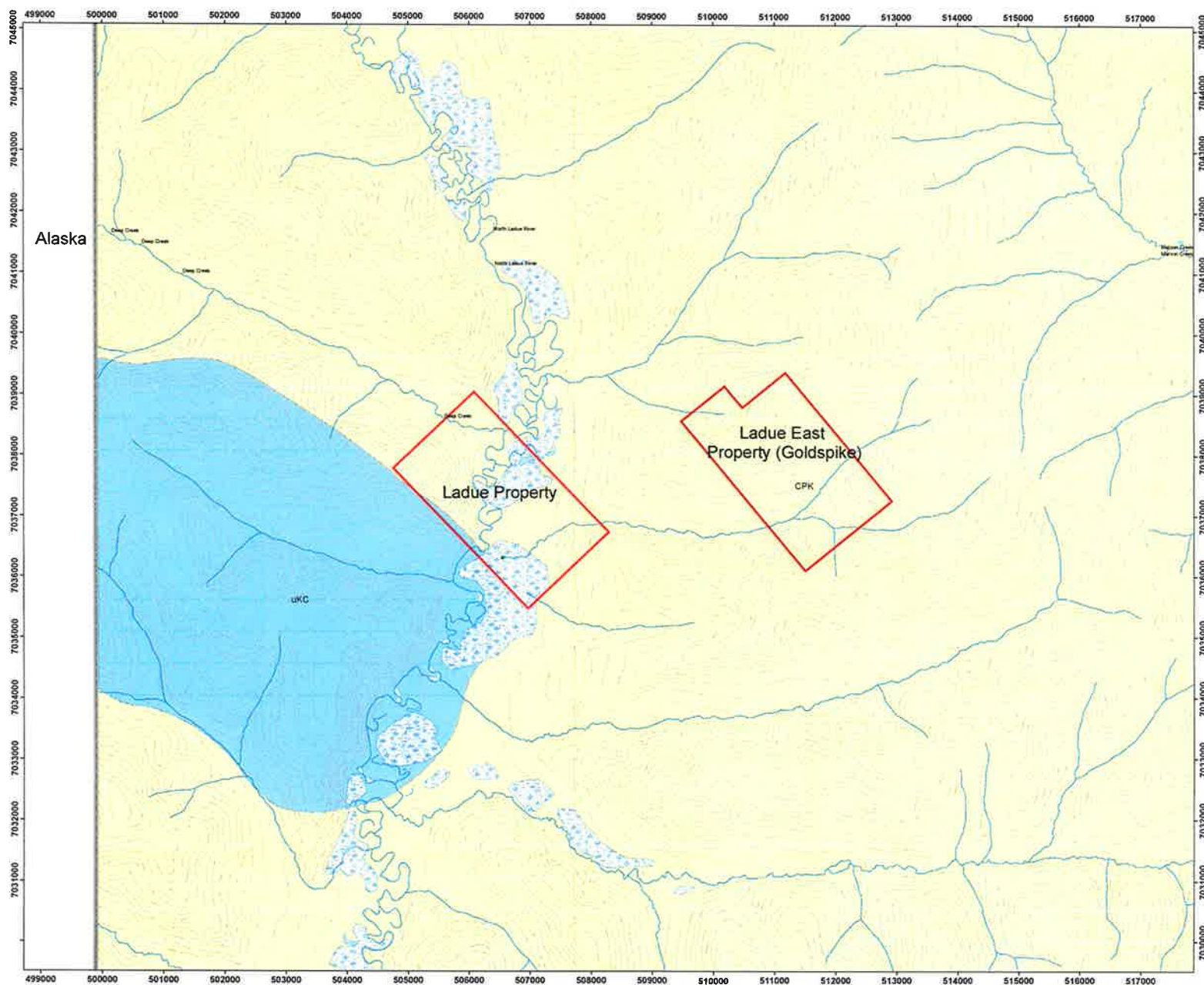


Fig. 3: 1VD magnetic interpretation of the Ladue region. A magnetic high is located on the MC claim block (Bremner, 2010).



Ladue Property

Fig. 4: Bedrock Geology Map

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

- Goldspike properties
- Canada - USA border

Bedrock Geology

Lithology

- Upper Cretaceous Volcanics
tuff/plugs/necks/flows/porphyry
- Carboniferous/Permian Metasediments
quartzite/qt-ms-cl schist/gneiss/amphibolite



1:30,000

2,200 1,100 0 2,200 Meters

Date: July 1st, 2012
NTS Mapsheet: 115N07
Datum: UTM NAD83 Zone 7

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A 2 day geochemical sampling program was conducted on the Ladue Property between September 8th, 2011 and September 10th, 2011. Flying out of Dawson City, a crew of 4 soil samplers, one prospector and one geologist collected 193 soil samples and 18 rock samples (see Figure 5 for sample locations). A Hughs 500D helicopter was used for the duration of the program.

A ridge and spur soil sampling program was planned before field work was conducted. Using ArcGIS, soil sample traverses were plotted at 50m spacings and downloaded onto samplers' GPS units. Once in the field, samplers used Dutch augurs to collect an adequate soil sample, preferably from the 'C' horizon, placing it in a Kraft paper bag, marking the location with GPS, and marking the location with flagging tape labeled with the sample number. Sample conditions, environment and attributes were recorded in a field notebook. The GPS units were downloaded daily for plotting in ArcGIS. Soil samples were hung up to dry, then packed and shipped to the lab. Soil sample descriptions can be found in Appendix I.

Rock samples were taken based on mineralogy, structure and lithology. Samples were placed inside labeled plastic poly bags with the corresponding sample tag. Sample descriptions were recorded in a field notebook and the location recorded by GPS unit. Sample locations were marked with flagging tape labeled with the sample number. Rock sample descriptions can be found in Appendix II.

8.2 Sample Preparation, Analysis, and QA/QC

The soil and silt samples were dried at 60° C and sieved to -80 mesh (<177 microns). A 15.0 gram sub-sample was digested in hot (95° C) aqua regia (HCl-HNO₃-H₂O); following this, the samples were analysed by inductively-coupled plasma mass spectrometry (ICP-MS) techniques (Acme's Group 1DX2). Multi-elemental analysis of 36 elements was made.

The rock samples were crushed, split to 250 g, pulverized, and a split was sieved to -200 mesh. The same analytical procedure (Acme's Group 1DX2) was used.

Quality control samples from the lab include control blanks, duplicates and standards. Sample blanks (BLK), pulp duplicates and standards (STD DS8) were run with the batch analysis; no problems were noted with analytical accuracy or precision.

8.3 Results

Soil Samples

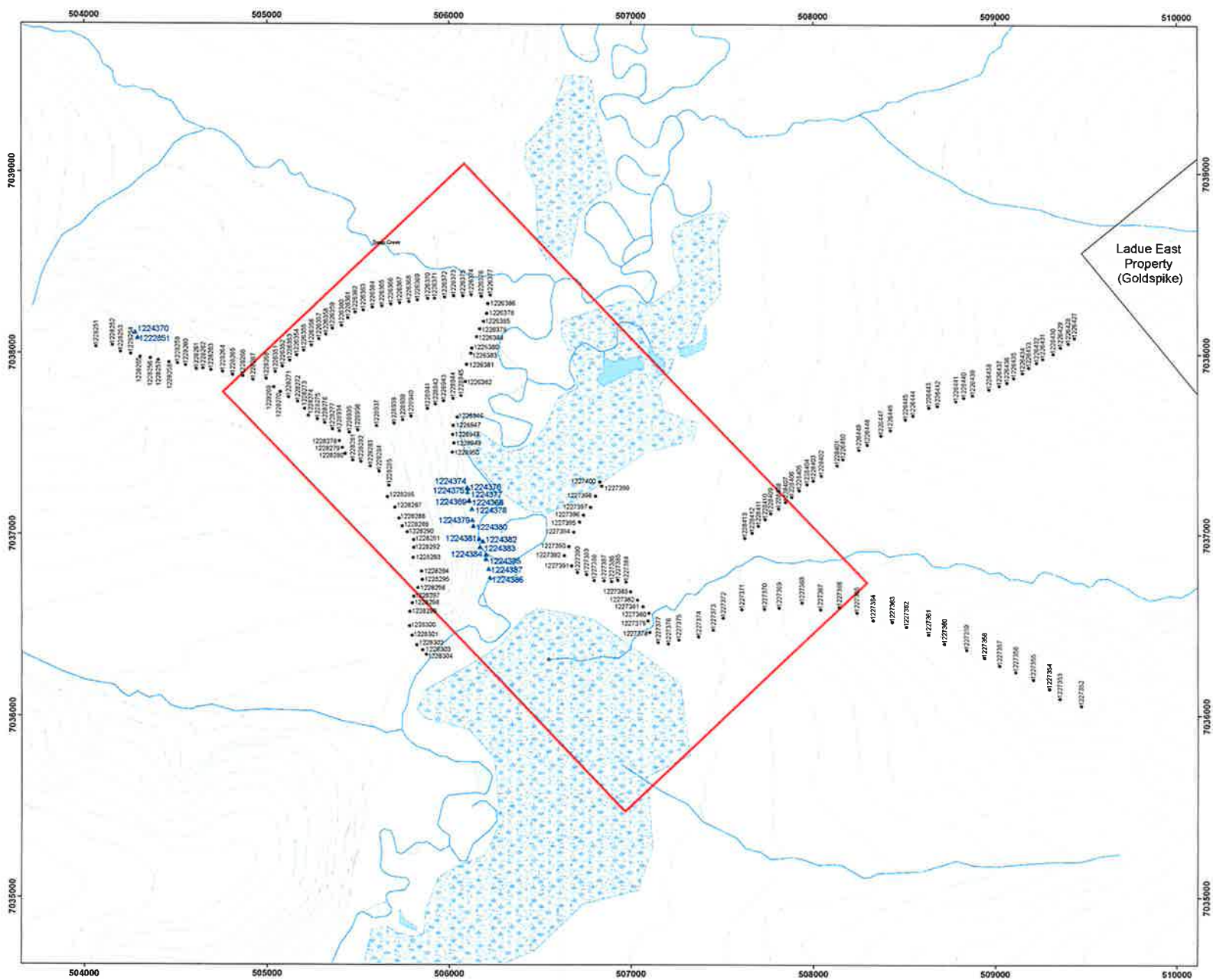
The soil sampling program conducted on the Ladue Property yielded few geochemical gold anomalies (Figure 6). Only three samples assayed over 10 ppb Au (highest being 21.8 ppb) which are located in the marshland near the North Ladue River. There is a significant presence of base metal values on the property. Copper and zinc are elevated across the property and are generally related. There is a significant lead anomaly in the northern corner. A series of 13 soil samples (50m spacings) yielded between 74 ppm Pb to 876 ppm Pb, with the values gradually increasing to the highest value then decreasing (Figure 7). Copper and zinc are elevated in these samples, showing a positive correlation (Figures 8 and 9). Soil sample results can be found in Appendix III.

Rock Samples

Eighteen rock samples were taken from the limited outcrop on the property. The majority did not return any significant values. Although a well mineralized quartz vein was uncovered (Photo 2), samples from the outcrop did not return anomalous values. Although the majority of the property is underlain by metasediments, the mapped volcanic unit was found in outcrop. One sample from this unit, 1224382, yielded a high nickel value of 151 ppm Ni. Rock sample results can be found in Appendix IV.



Photo 2: Pyrite mineralization on the margin of a 20cm quartz vein within metasediments (sample 1224368).



Ladue Property

Fig. 5: Sample Location Map

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

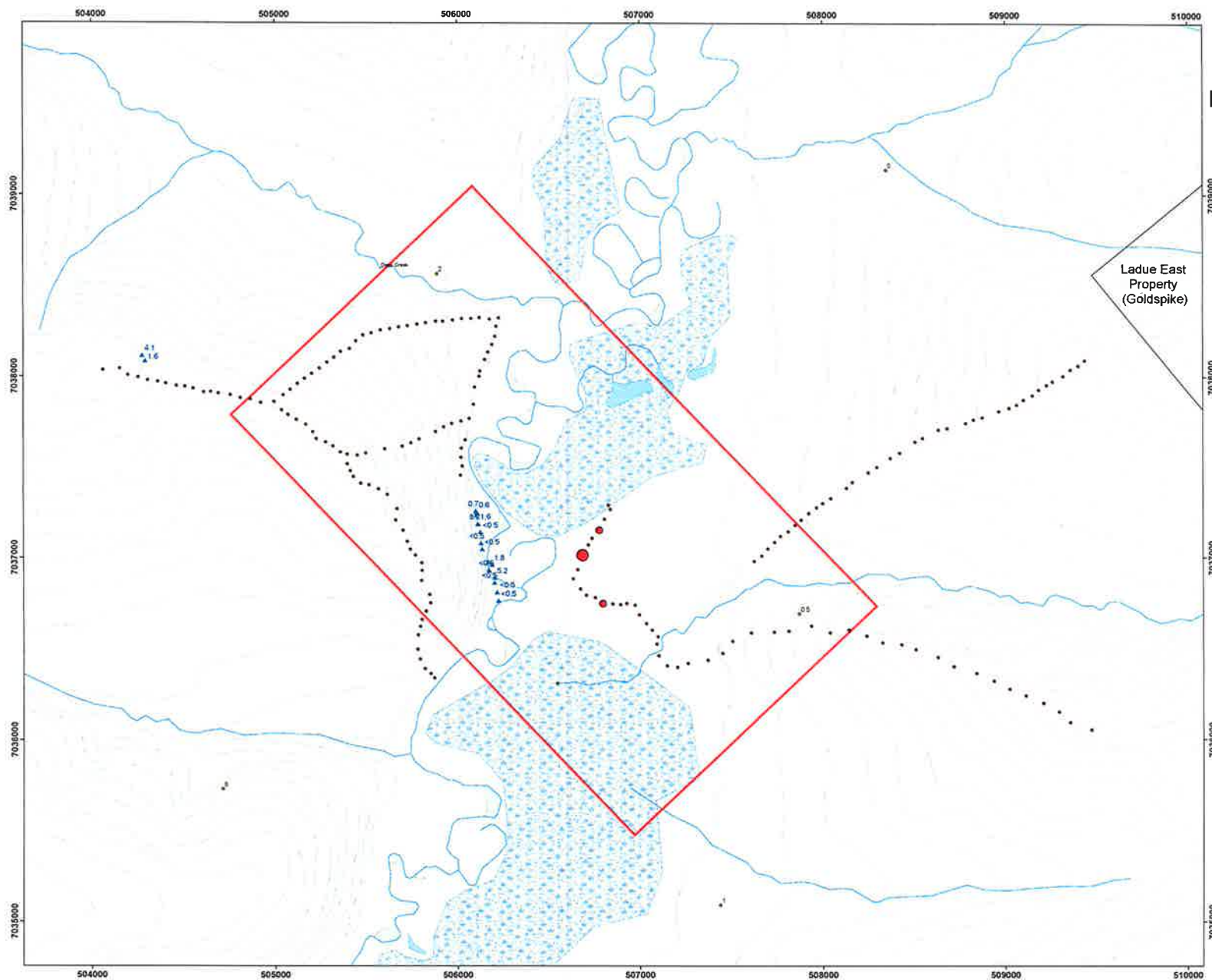
- Rock samples
- Soil samples
- Ladue Property



1:10,000



Date: July 1st, 2012
NTS Mapsheet: 115N07
Datum: UTM NAD83 Zone 7



Ladue Property

Fig. 6: Sample Geochemistry - Au

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

▲ Rock samples (ppb Au)

Soil samples

Au (ppb)

- 0.0 - 10.0
- 10.1 - 20.0
- 20.1 - 21.8

— Ladue Property

Regional stream geochem

Au (ppb)

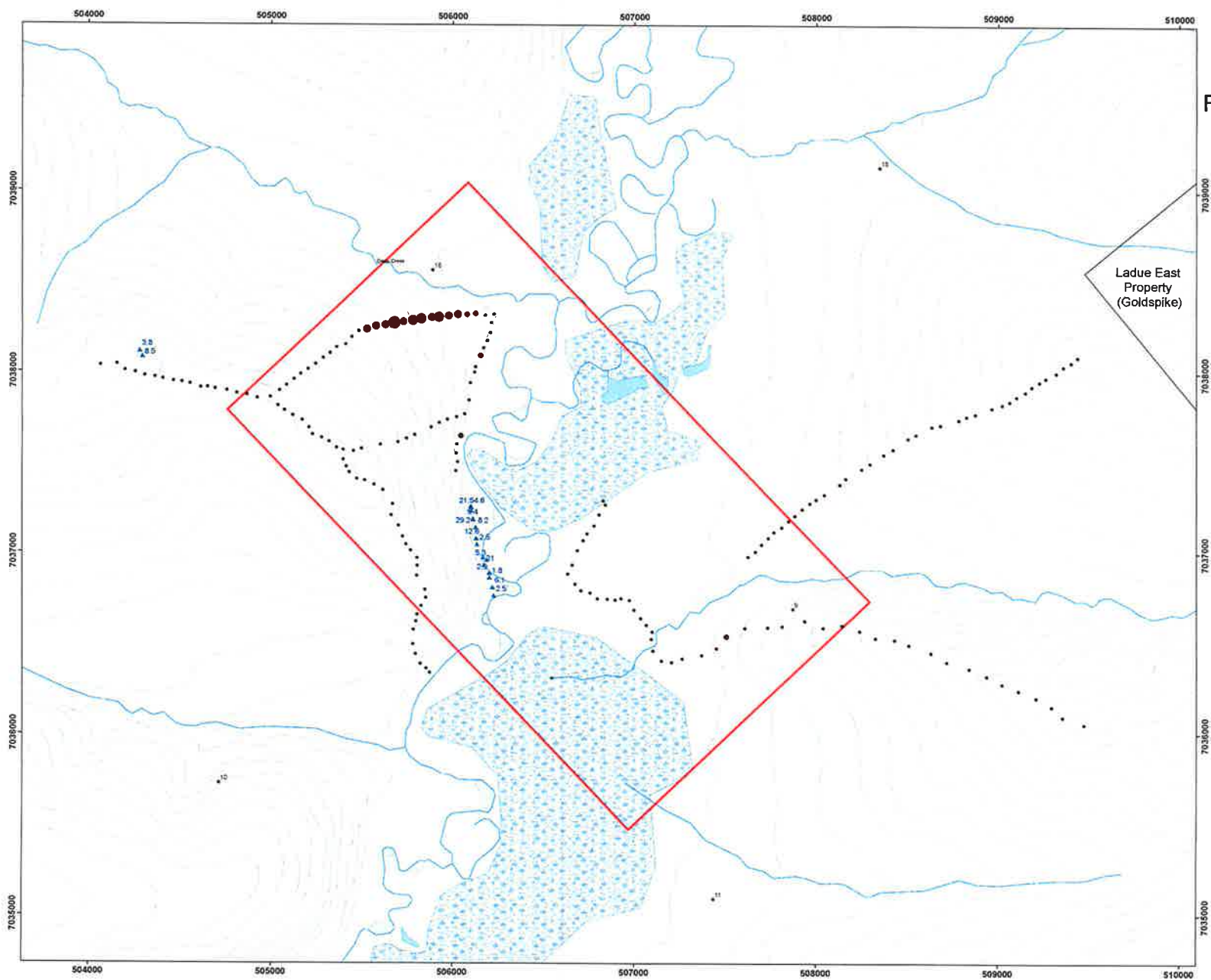
- 0.0 - 15.0
- 15.1 - 74.0
- 74.1 - 215.0
- 215.1 - 482.0
- 482.1 - 1170.0

1:10,000



750 375 0 750 Meters

Date: July 1st, 2012
NTS Mapsheet: 115N07
Datum: UTM NAD83 Zone 7



Ladue Property

Fig. 7: Sample Geochemistry - Pb

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

▲ Rock samples (ppm Pb)

Soil samples

Pb (ppm)

- 4.7 - 50.0
- 50.1 - 100.0
- 100.1 - 300.0
- 300.1 - 600.0
- 600.1 - 876.1

— Ladue Property

Regional stream geochem

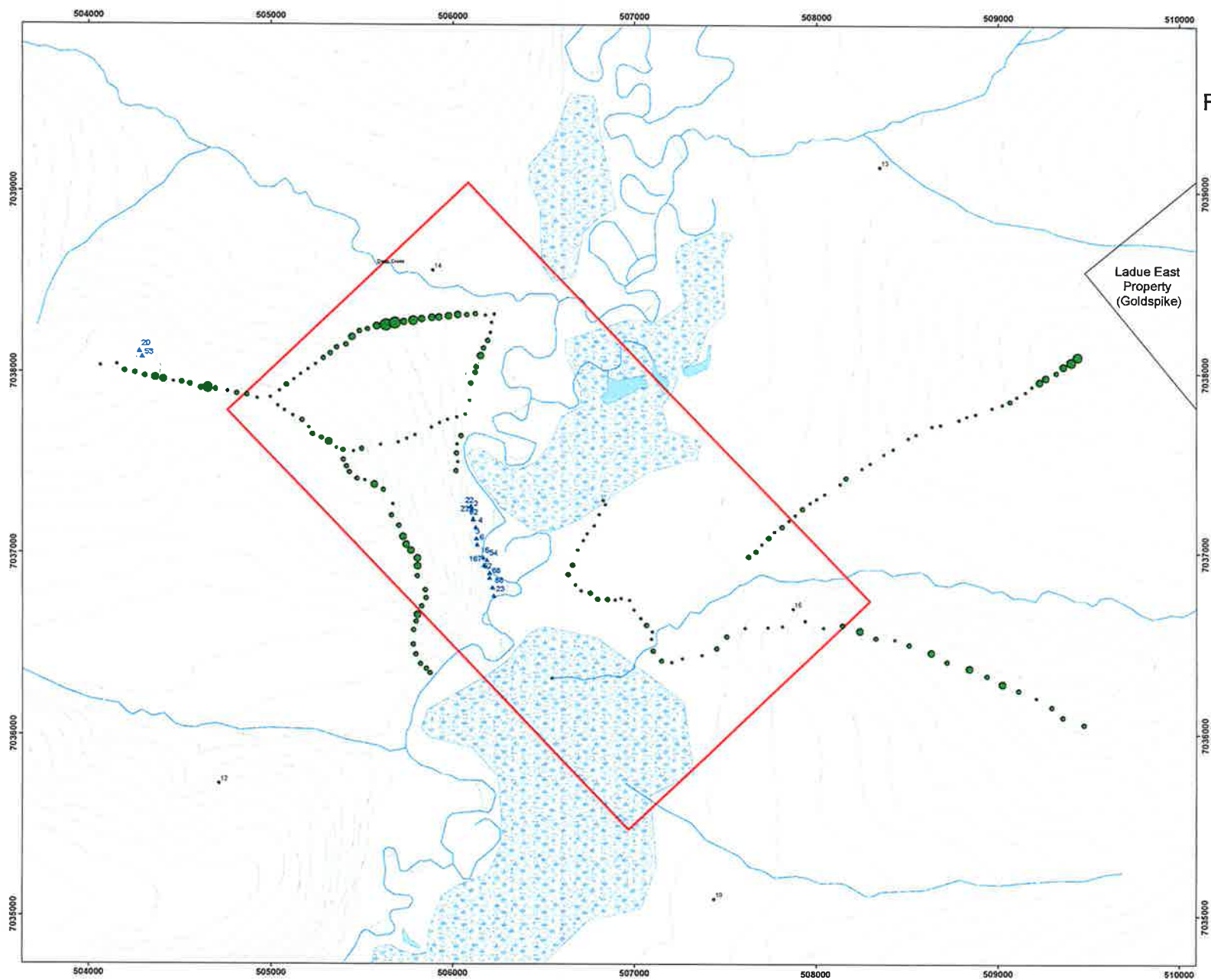
Pb (ppm)

- 0.0000 - 21.6000
- 21.6001 - 78.0000
- 78.0001 - 310.0000
- 310.0001 - 957.0000
- 957.0001 - 8090.0000

1:10,000

750 375 0 750 Meters

Date: July 1st, 2012
NTS Mapsheet: 115N07
Datum: UTM NAD83 Zone 7



Ladue Property

Fig. 9: Sample Geochemistry - Zn
Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

▲ Rock samples (ppm Zn)

Soil samples

Zn (ppm)

- 16.0 - 50.0
- 50.1 - 80.0
- 80.1 - 120.0
- 120.1 - 160.0
- 160.1 - 217.0

— Ladue Property

Regional stream geochem

Zn (ppm)

- 0.0 - 189.0
- 189.1 - 586.0
- 586.1 - 1520.0
- 1520.1 - 3290.0
- 3290.1 - 12000.0

1:10,000

750 375 0 750 Meters

Date: July 1st, 2012
NTS Mapsheet: 115N07
Datum: UTM NAD83 Zone 7

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Ladue Property is located in a geological setting favourable to gold mineralization. The placer history of the area, local geology and geophysical features are all indicators of potential for gold mineralization. Furthermore, previous hard rock exploration is very limited, and what results do exist show favourable base metal values (no assays done for gold).

The 2011 program did not yield favourable gold in soil results. Only 3 of the 193 samples taken assayed over 10 ppb Au. However, soil sampling conditions are not ideal in this area as an indicator of gold in the bedrock. The 'C' horizon is difficult to reach due to high amount of organics, permafrost, and swampy conditions. The geophysical magnetic high is located directly in the river valley where soil sampling is the most unreliable. Despite this, one area of the property showed promising base metal values. The northern corner of the property shows a strong lead anomaly in a series of 13 samples which also display anomalous copper and zinc.

Prospecting uncovered a pyrite mineralized quartz vein in bedrock, which indicates the presence of sulfur within the hydrothermal system. If the magnetic high indicates a buried intrusion, there is good potential for intrusive-related gold mineralization on the property. Unfortunately, due to the lack of outcrop and poor soil sampling conditions, it is difficult to focus in on the location of any resulting mineralization. A limited program of soil gridding and hand trenching on the area of the base metal anomalies is recommended.

REFERENCES

Bremner, T. (2010): Ladue Prospect, Alcan Border Summary, for YC Syndicate, Goldspike Exploration Inc.

Johnson, J. (1979): Geochemical Survey Report for the MAT and LAD Claim Groups, Resource Associates of Alaska Inc., Fairbanks, Alaska.

Lowey, G.W. (2004): Placer geology of the Stewart River (115N&O) and part of the Dawson (116B&C) map areas, west-central Yukon, Canada. Yukon Geological Survey, 275 p.

Mehrotra, P. and Gleeson, C., (1971): Geology and Geochemistry of the LAD Claim Group, Occidental Minerals Corporation of Canada.

Natural Resources Canada, Atlas, (12/05/2006):
http://atlas.nrcan.gc.ca/auth/english/maps/reference/provincesterritories/yukon_territory/referencemap_image_view (visited 01/02/2012)

Tempelman-Kluit, D.J. (1974): Reconnaissance geology of Aishihik Lake, Snag and part of Stewart River map areas, west-central Yukon (115A, 115F, 115G and 115K). Geological Survey of Canada, Paper 73-41, 97 p.

Yukon Minfile 115N026 (2005): LADUE, Yukon Geological Survey.

STATEMENT OF EXPENDITURES

LADUE Property Costs for work performed September 8th to September 10th, 2011					
	Amount	\$/DAY	UNIT		TOTAL
GEO	1	\$ 450.00	3		\$ 1,350.00
FIELD HAND / SAMPLER	4	\$ 350.00	2		\$ 2,800.00
PROSPECTOR	1	\$ 400.00	2		\$ 800.00
HELICOPTER (500D)	1	\$ 935.00	9.3		\$ 8,695.50
HELICOPTER FUEL	1	\$ 350.00	8.5		\$ 2,975.00
SOIL SAMPLES	193	\$ 18.00	1		\$ 3,474.00
SILT SAMPLES	0	\$ 18.00	1		\$ -
ROCK SAMPLES	18	\$ 24.00	1		\$ 432.00
HOTEL + ACCOMODATION	3	\$ 140.00	2		\$ 840.00
FOOD, \$45/man	6	\$ 45.00	2		\$ 540.00
REPORT	1	\$ 2,000.00	1		\$ 2,000.00
				TOTAL	\$ 23,906.50

CERTIFICATE OF QUALIFICATIONS

I, Daniel Ferraro, of 835 Berkshire Dr., Woodstock, Ontario, Canada, certify that:

1. I am a graduate of Lakehead University, 2008, and hold an H. B.Sc. Geology degree.
2. I am an independent geological consultant.
3. I am a member of the Ontario Prospectors Association (2010).
4. I have been employed as a geological assistant for the Ontario Geological Survey and the Geological Survey of Canada during the summers of, respectively, 2006 and 2007.
5. I have been working in the mineral exploration industry since 2008 for Pacific North West Capital Corporation, East West Resources Corporation, Rainy Mountain Royalty Corporation, Black Panther Mining Corporation, White Tiger Mining Corporation, Trillium North Minerals Ltd., and Goldspike Exploration Inc.
6. This report was prepared by myself.
7. I have no personal knowledge from the date of this certificate of any material fact or change not reflected in this report.


Daniel Ferraro, H.B.Sc.

Date: July 1st, 2012

Appendix I: Soil Sample Descriptions

Soil Sample Descriptions

UTM NAD 83 Zone 7

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1226351	505045	7037898	810	8-Sep-11	MC	40-50	c	light brown	5	20				75	weathered bedrock	moist	deciduous	mid slope
1226352	505083	7037928	803	8-Sep-11	MC	40-50	c	dark grey	10	20				70	loess - organic	wet	deciduous	mid slope
1226353	505124	7037960	789	8-Sep-11	MC	40-50	c	dark grey	35	10				55	loess - organic	moist	deciduous	mid slope
1226354	505162	7037989	769	8-Sep-11	MC	40-50	c	dark grey	20	10				70	loess - organic	moist	deciduous	mid slope
1226355	505201	7038015	755	8-Sep-11	MC	40-50	c	dark grey	20	10				70	weathered bedrock	moist	deciduous	mid slope
1226356	505243	7038044	730	8-Sep-11	MC	40-50	c	dark grey	30	5				65	weathered bedrock	moist	deciduous	mid slope
1226357	505285	7038078	709	8-Sep-11	MC	30-40	c	dark grey	40	5				55	loess - organic	moist	deciduous	mid slope
1226358	505323	7038104	694	8-Sep-11	MC	30-40	c	dark grey	20	5				75	weathered bedrock	moist	deciduous	mid slope
1226359	505358	7038137	682	8-Sep-11	MC	50-60	c	dark grey	5	10				85	weathered bedrock	moist	deciduous	mid slope
1226360	505409	7038152	673	8-Sep-11	MC	40-50	c	dark grey	20	5				75	weathered bedrock	moist	deciduous	mid slope
1226361	505443	7038194	658	8-Sep-11	MC	40-50	c	dark grey	5	5				90	weathered bedrock	moist	deciduous	mid slope
1226362	505483	7038227	636	8-Sep-11	MC	50-60	c	dark grey	15	5				80	weathered bedrock	moist	deciduous	mid slope
1226363	505528	7038238	641	8-Sep-11	MC	50-60	c	dark grey	50	5				75	weathered bedrock	moist	deciduous	mid slope
1226364	505579	7038254	621	8-Sep-11	MC	70-80	c	dark grey		15				85	weathered bedrock	moist	deciduous	mid slope
1226365	505630	7038261	613	8-Sep-11	MC	50-60	c	yellow orange		10	20	20	20	30	weathered bedrock	dry	deciduous	mid slope
1226366	505679	7038272	621	8-Sep-11	MC	40-50	c	yellow orange		10				90	weathered bedrock	moist	deciduous	mid slope
1226367	505727	7038278	593	8-Sep-11	MC	40-50	c	dark grey						100	weathered bedrock	moist	deciduous	mid slope
1226368	505779	7038285	588	8-Sep-11	MC	40-50	c	dark grey					20	80	weathered bedrock	moist	deciduous	mid slope
1226369	505826	7038294	570	8-Sep-11	MC	50-60	c	dark grey				10	10	80	weathered bedrock	moist	deciduous	mid slope
1226370	505882	7038302	560	8-Sep-11	MC	50-60	c	dark grey					10	90	weathered bedrock	moist	deciduous	mid slope
1226371	505921	7038303	551	8-Sep-11	MC	40-50	c	light brown		5			10	85	weathered bedrock	moist	deciduous	mid slope
1226372	505975	7038310	542	8-Sep-11	MC	50-60	c	light grey					10	90	weathered bedrock	moist	deciduous	valley bottom
1226373	506025	7038317	535	8-Sep-11	MC	50-60	c	dark grey		5			10	85	weathered bedrock	moist	marsh	valley bottom
1226374	506122	7038322	523	8-Sep-11	MC	40-50	c	dark grey	35					65	loess - organic	frozen	marsh	valley bottom
1226375	506076	7038317	528	8-Sep-11	MC	40-50	c	dark brown	50					50	loess - organic	frozen	marsh	valley bottom
1226376	506178	7038314	522	8-Sep-11	MC	30-40	c	dark grey						100	loess - organic	frozen	marsh	valley bottom
1226377	506227	7038321	519	8-Sep-11	MC	30-40	b/c	dark brown	40					60	loess - organic	frozen	marsh	valley bottom
1226378	506207	7038220	515	8-Sep-11	MC	40-50	c	dark brown	15					85	loess - organic	moist	evergreen	valley bottom
1226379	506168	7038134	517	8-Sep-11	MC	40-50	c	dark brown						100	loess - organic	moist	evergreen	valley bottom
1226380	506125	7038029	513	8-Sep-11	MC	40-50	c	dark brown	30					70	loess - organic	wet	evergreen	valley bottom
1226381	506096	7037940	505	8-Sep-11	MC	40-50	c	dark brown	20				10	70	loess - organic	wet	evergreen	valley bottom
1226382	506089	7037845	499	8-Sep-11	MC	50-60	c	dark brown		5		10	5	80	loess - organic	moist	evergreen	valley bottom
1226383	506120	7038000	511	8-Sep-11	MC	50-60	c	dark grey	20	5		5	10	60	loess - organic	moist	evergreen	valley bottom
1226384	506151	7038092	517	8-Sep-11	MC	40-50	c	light grey		10			5	85	loess - organic	moist	evergreen	valley bottom
1226385	506190	7038175	518	8-Sep-11	MC	40-50	c	light grey						100	loess - organic	moist	evergreen	valley bottom
1226386	506213	7038275	517	8-Sep-11	MC	30-40	c	dark brown	40					60	loess - organic	frozen	marsh	valley bottom
1226427	509436	7038088	897	10-Sep-11	MC	20-30	c	light brown	20					80	weathered bedrock	dry	deciduous	ridge top
1226428	509401	7038059	883	10-Sep-11	MC	50-60	c	light grey		20	10			70	weathered bedrock	moist	deciduous	mid slope
1226429	509358	7038036	868	10-Sep-11	MC	40-50	c	light grey		20	10			70	weathered bedrock	dry	deciduous	mid slope
1226430	509318	7038001	853	10-Sep-11	MC	30-40	c	light brown	10	10				80	weathered bedrock	dry	deciduous	mid slope
1226431	509260	7037973	839	10-Sep-11	MC	40-50	c	light brown		10				90	weathered bedrock	dry	deciduous	mid slope
1226432	509226	7037951	829	10-Sep-11	MC	40-50	c	light brown	5	5				90	weathered bedrock	dry	deciduous	mid slope
1226433	509184	7037926	825	10-Sep-11	MC	30-40	c	light brown		10			30	60	weathered bedrock	dry	deciduous	mid slope
1226434	509149	7037895	809	10-Sep-11	MC	20-30	c	light brown	15					85	weathered bedrock	dry	deciduous	mid slope
1226435	509101	7037869	800	10-Sep-11	MC	40-50	c	light brown				10		90	weathered bedrock	dry	deciduous	mid slope
1226436	509063	7037842	802	10-Sep-11	MC	40-50	c	light grey				15	10	75	weathered bedrock	dry	deciduous	mid slope
1226437	509021	7037825	792	10-Sep-11	MC	40-50	c	light brown						100	weathered bedrock	dry	deciduous	mid slope
1226438	508964	7037805	783	10-Sep-11	MC	30-40	c	light brown	5					95	weathered bedrock	dry	deciduous	mid slope
1226439	508874	7037772	756	10-Sep-11	MC	40-50	c	light brown						100	weathered bedrock	dry	deciduous	mid slope
1226440	508825	7037759	745	10-Sep-11	MC	40-50	c	light brown						100	weathered bedrock	dry	deciduous	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1226441	508782	7037739	735	10-Sep-11	MC	10-20	b	white	50					50	talus	dry	deciduous	mid slope
1226442	508681	7037712	711	10-Sep-11	MC	30-40	c	light brown						100	weathered bedrock	dry	deciduous	mid slope
1226443	508633	7037703	699	10-Sep-11	MC	40-50	c	light brown						100	weathered bedrock	dry	deciduous	mid slope
1226444	508546	7037658	674	10-Sep-11	MC	10-20	b	white	50					50	talus	dry	deciduous	mid slope
1226445	508504	7037637	668	10-Sep-11	MC	20-30	b	white	50					50	talus	dry	deciduous	mid slope
1226446	508421	7037576	644	10-Sep-11	MC	30-40	c	light brown		10				90	weathered bedrock	moist	deciduous	mid slope
1226447	508370	7037547	630	10-Sep-11	MC	30-40	c	yellow orange		10				90	weathered bedrock	dry	deciduous	mid slope
1226448	508295	7037496	611	10-Sep-11	MC	40-50	c	light brown						100	weathered bedrock	dry	deciduous	mid slope
1226449	508249	7037467	604	10-Sep-11	MC	40-50	c	yellow orange						100	weathered bedrock	dry	deciduous	mid slope
1226450	508161	7037414	582	10-Sep-11	MC	50-60	c	light brown						100	weathered bedrock	moist	evergreen	valley bottom
1227352	509471	7036051	839	10-Sep-11	MC	30-40	b/c	light brown		10	20	60	10		talus	dry	deciduous	ridge top
1227353	509354	7036091	849	10-Sep-11	MC	30-40	b/c	light brown			20	60	10	10	weathered bedrock	dry	buck brush	ridge top
1227354	509293	7036148	836	10-Sep-11	MC	30-40	b/c	light brown			20	60	10	10	weathered bedrock	dry	buck brush	ridge top
1227355	509207	7036196	821	10-Sep-11	MC	30-40	b/c	light brown		10	10	60	10	10	weathered bedrock	dry	buck brush	ridge top
1227356	509111	7036237	808	10-Sep-11	MC	30-40	b/c	light brown	5	10	10	60	10	5	weathered bedrock	dry	deciduous	ridge top
1227357	509022	7036273	799	10-Sep-11	MC	30-40	b/c	light brown		10	10	60	10	10	loess - organic	dry	deciduous	ridge top
1227358	508936	7036318	786	10-Sep-11	MC	30-40	b/c	light brown		10	10	60	10	10	weathered bedrock	dry	deciduous	ridge top
1227359	508840	7036360	769	10-Sep-11	MC	30-40	b/c	light brown		10	20	60	5	5	weathered bedrock	dry	deciduous	ridge top
1227360	508716	7036397	754	10-Sep-11	MC	30-40	b/c	light brown	5	5	10	60	10	10	weathered bedrock	dry	deciduous	mid slope
1227361	508629	7036447	756	10-Sep-11	MC	30-40	b/c	light brown	10	10	10	30	10	30	weathered bedrock	dry	deciduous	mid slope
1227362	508507	7036490	740	10-Sep-11	MC	30-40	b/c	light brown	15	5	10	50	20	5	weathered bedrock	dry	deciduous	mid slope
1227363	508429	7036518	733	10-Sep-11	MC	30-40	b/c	light brown	5	10	10	50	20	5	weathered bedrock	dry	deciduous	mid slope
1227364	508325	7036528	713	10-Sep-11	MC	30-40	b/c	light brown	5	5	10	50	20	10	weathered bedrock	dry	deciduous	mid slope
1227365	508237	7036566	696	10-Sep-11	MC	20-30	b/c	light brown	5	10	10	50	20	5	weathered bedrock	dry	deciduous	mid slope
1227366	508141	7036598	671	10-Sep-11	MC	20-30	b/c	light brown	5	10	10	45	20	10	weathered bedrock	dry	deciduous	mid slope
1227367	508038	7036584	648	10-Sep-11	MC	30-40	b/c	light brown	10	10	10	55	10	5	loess - organic	dry	deciduous	mid slope
1227368	507936	7036622	623	10-Sep-11	MC	30-40	b/c	light brown	10	10	10	30	20	20	loess - organic	dry	deciduous	mid slope
1227369	507812	7036593	597	10-Sep-11	MC	30-40	b/c	light brown	10	10	10	30	10	30	loess - organic	dry	deciduous	mid slope
1227370	507732	7036587	582	10-Sep-11	MC	50-60	b/c	light grey	10		10	30	10	40	loess - organic	dry	deciduous	mid slope
1227371	507607	7036584	557	10-Sep-11	MC	40-50	b/c	light brown	5	5		30	10	50	loess - organic	dry	deciduous	mid slope
1227372	507505	7036537	539	10-Sep-11	MC	30-40	b/c	light brown	10	20	10	30	10	20	loess - organic	dry	deciduous	mid slope
1227373	507451	7036471	530	10-Sep-11	MC	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic	dry	deciduous	mid slope
1227374	507370	7036433	523	10-Sep-11	MC	50-60	b/c	dark grey	10				15	75	loess - organic	moist	marsh	valley bottom
1227375	507262	7036415	517	10-Sep-11	MC	50-60	c	dark grey	10	10		10	10	60	loess - organic	moist	marsh	valley bottom
1227376	507204	7036394	517	10-Sep-11	MC	50-60	c	dark grey	10	5	5	10	10	60	loess - organic	moist	deciduous	valley bottom
1227377	507147	7036402	514	10-Sep-11	MC	50-60	b/c	dark grey	10	5	5	10	10	60	loess - organic	moist	buck brush	mid slope
1227378	507101	7036457	516	10-Sep-11	MC	50-60	b/c	dark grey	10		10	10	10	60	loess - organic	moist	buck brush	valley bottom
1227379	507091	7036522	515	10-Sep-11	MC	50-60	b/c	dark grey	10	5	5	10	10	60	loess - organic	moist	deciduous	valley bottom
1227380	507097	7036563	515	10-Sep-11	MC	50-60	c	light grey	10			10	15	65	loess - organic	moist	deciduous	valley bottom
1227381	507065	7036599	514	10-Sep-11	MC	50-60	b/c	dark grey	5	5	5	5	20	60	loess - organic	moist	deciduous	valley bottom
1227382	507034	7036636	513	10-Sep-11	MC	40-50	b/c	dark grey	10	5	5	10	10	60	loess - organic	moist	buck brush	valley bottom
1227383	506996	7036683	511	10-Sep-11	MC	40-50	b/c	dark grey	10	5	5	10	10	60	loess - organic	moist	buck brush	valley bottom
1227384	506972	7036736	511	10-Sep-11	MC	50-60	c	dark grey	20		5	5	10	60	loess - organic	moist	buck brush	valley bottom
1227385	506926	7036746	509	10-Sep-11	MC	50-60	c	light brown			30	30	10	30	loess - organic	dry	buck brush	valley bottom
1227386	506893	7036738	507	10-Sep-11	MC	50-60	c	light brown			20	40	10	30	loess - organic	dry	deciduous	valley bottom
1227387	506850	7036743	506	10-Sep-11	MC	50-60	c	dark grey	10		20	10	10	60	loess - organic	moist	buck brush	valley bottom
1227388	506796	7036745	504	10-Sep-11	MC	50-60	c	dark grey	5			30	10	55	loess - organic	moist	buck brush	valley bottom
1227389	506754	7036778	502	10-Sep-11	MC	50-60	c	dark grey	10		20	10	10	60	loess - organic	moist	buck brush	valley bottom
1227390	506705	7036789	501	10-Sep-11	MC	50-60	b/c	dark brown	10		20	10	10	60	loess - organic	moist	buck brush	valley bottom
1227391	506673	7036825	499	10-Sep-11	MC	40-50	c	dark grey	10		20	10	10	60	loess - organic	moist	evergreen	valley bottom
1227392	506633	7036881	499	10-Sep-11	MC	50-60	c	dark grey	20		10	10	10	60	loess - organic	moist	evergreen	valley bottom
1227393	506658	7036931	499	10-Sep-11	MC	40-50	c	dark grey	10		20	10	10	60	loess - organic	moist	buck brush	valley bottom
1227394	506685	7037011	500	10-Sep-11	MC	50-60	c	light brown			20	15	10	55	loess - organic	moist	buck brush	valley bottom
1227395	506717	7037067	501	10-Sep-11	MC	40-50	c	dark grey	5	5	5	25	10	50	loess - organic	moist	buck brush	valley bottom
1227396	506738	7037105	503	10-Sep-11	MC	50-60	b/c	dark grey			10	20	15	55	loess - organic	moist	buck brush	valley bottom
1227397	506777	7037149	504	10-Sep-11	MC	40-50	b/c	light brown				30	20	50	loess - organic	dry	buck brush	valley bottom

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1227398	506805	7037211	499	10-Sep-11	MC	50-60	c	light brown	5	5	15	30	15	30	loess - organic	moist	buck brush	valley bottom
1227399	506838	7037266	500	10-Sep-11	MC	50-60	b/c	light brown	5		15	75	5		loess - organic	moist	buck brush	valley bottom
1227400	506827	7037289		10-Sep-11	MC	40-50	b/c	dark grey							loess - organic	moist	buck brush	valley bottom
1228251	504063	7038034	905	8-Sep-11	MC	40-50	c	light brown				60	10	30	weathered bedrock	dry	deciduous	ridge top
1228252	504153	7038042	899	8-Sep-11	MC	40-50	b/c	light brown			20	50	10	20	weathered bedrock	dry	deciduous	ridge top
1228253	504197	7038006	888	8-Sep-11	MC	40-50	b/c	light brown	10		20	40	10	20	loess - organic	moist	deciduous	ridge top
1228254	504253	7037995	879	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	30	loess - organic	moist	deciduous	ridge top
1228255	504305	7037978	863	8-Sep-11	MC	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic	dry	deciduous	ridge top
1228256	504361	7037970	851	8-Sep-11	MC	40	c	light brown		5		20	35	40	loess - organic	moist	deciduous	ridge top
1228257	504404	7037960	845	8-Sep-11	MC	40	c	light grey		20	20	20	20	20	loess - organic	moist	deciduous	ridge top
1228258	504462	7037948	840	8-Sep-11	MC	50	c	light brown				20	20	60	loess - organic	moist	deciduous	ridge top
1228259	504509	7037943	836	8-Sep-11	MC	50	c	light grey		20	20	20	20	20	loess - organic	dry	deciduous	ridge top
1228260	504553	7037933	834	8-Sep-11	MC	35	c	white		5	10	15	20	50	loess - organic	moist	deciduous	ridge top
1228261	504611	7037913	832	8-Sep-11	MC										loess - organic	moist	deciduous	ridge top
1228262	504649	7037915	832	8-Sep-11	MC	40	c	olive grey	10	15	15	10	20	30	loess - organic	dry	deciduous	ridge top
1228263	504691	7037907	833	8-Sep-11	MC	35	c	light brown				20	40	40	loess - organic	moist	evergreen	ridge top
1228264	504756	7037898	825	8-Sep-11	MC	30	c	dark brown		15	15	15	20	35	loess - organic	moist	deciduous	ridge top
1228265	504810	7037882	823	8-Sep-11	MC	40	c	light brown					60	40	loess - organic	moist	deciduous	ridge top
1228266	504866	7037875	826	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	moist	deciduous	ridge top
1228267	504922	7037855	822	8-Sep-11	MC	30-40	b/c	light brown	10	10	10	30	10	30	loess - organic	dry	deciduous	mid slope
1228268	504994	7037860	823	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	30	loess - organic	dry	deciduous	ridge top
1228269	505036	7037814	828	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	30	loess - organic	dry	deciduous	mid slope
1228270	505072	7037788	825	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	30	loess - organic	dry	deciduous	mid slope
1228271	505118	7037760	826	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	moist	deciduous	mid slope
1228272	505169	7037733	830	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228273	505206	7037693	837	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228274	505226	7037655	843	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228275	505276	7037637	842	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	moist	deciduous	mid slope
1228276	505317	7037615	841	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228277	505358	7037581	840	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228278	505395	7037515	834	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228279	505412	7037477	829	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228280	505429	7037446	824	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228281	505470	7037409	816	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228282	505514	7037401	806	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228283	505566	7037377	797	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228284	505615	7037348	785	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228285	505668	7037270	770	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228286	505661	7037207	770	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228287	505701	7037149	754	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228288	505723	7037088	738	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228289	505741	7037045	728	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228290	505768	7037012	719	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228291	505803	7036969	711	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228292	505804	7036927	702	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228293	505801	7036872	689	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228294	505846	7036795	671	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228295	505850	7036750	658	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228296	505826	7036704	642	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228297	505803	7036657	631	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228298	505795	7036620	617	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	moist	deciduous	mid slope
1228299	505782	7036573	600	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	moist	deciduous	mid slope
1228300	505780	7036494	575	8-Sep-11	MC	30-40	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	mid slope
1228301	505793	7036440	559	8-Sep-11	MC	40-50	c	light brown		10	5	45	10	30	loess - organic	dry	deciduous	mid slope
1228302	505820	7036387	542	8-Sep-11	MC	40-50	c	light brown	10	10	5	30	10	35	loess - organic	dry	deciduous	mid slope
1228303	505852	7036360	523	8-Sep-11	MC	40-50	b/c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	valley bottom

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228304	505871	7036337	503	8-Sep-11	MC	40-50	c	light brown		10	10	30	10	40	loess - organic	dry	deciduous	valley bottom
1228401	508129	7037381	574	10-Sep-11	MC	50-60	c	light brown						100	weathered bedrock	moist	evergreen	valley bottom
1228402	508043	7037324	565	10-Sep-11	MC	40-50	c	light brown						100	weathered bedrock	moist	evergreen	valley bottom
1228403	507999	7037298	560	10-Sep-11	MC	50-60	c	light grey		10				90	weathered bedrock	moist	evergreen	valley bottom
1228404	507965	7037276	550	10-Sep-11	MC	50-60	c	dark grey						100	weathered bedrock	moist	evergreen	valley bottom
1228405	507922	7037243	551	10-Sep-11	MC	30-40	c	dark grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1228406	507881	7037207	540	10-Sep-11	MC	50-60	c	dark grey	10					90	loess - organic	moist	evergreen	valley bottom
1228407	507848	7037178	545	10-Sep-11	MC	50-60	c	dark grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1228408	507810	7037142	532	10-Sep-11	MC	50-60	c	dark grey	10					90	loess - organic	moist	evergreen	valley bottom
1228409	507766	7037115	533	10-Sep-11	MC	40-50	c	dark grey	15					85	weathered bedrock	moist	evergreen	valley bottom
1228410	507736	7037083	527	10-Sep-11	MC	40-50	c	dark grey	5					95	loess - organic	moist	evergreen	valley bottom
1228411	507698	7037046	528	10-Sep-11	MC	60-70	c	dark grey		10				90	weathered bedrock	moist	evergreen	valley bottom
1228412	507665	7037006	520	10-Sep-11	MC	50-60	c	olive grey		5				95	loess - organic	moist	evergreen	valley bottom
1228413	507624	7036978	521	10-Sep-11	MC	60-70	c	dark grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1228934	505395	7037570	827	8-Sep-11	MC	20-30	c	light brown	10	5				85	weathered bedrock	moist	deciduous	ridge top
1228935	505451	7037564	820	8-Sep-11	MC	50-60	c	dark brown	65	5		20		20	weathered bedrock	moist	deciduous	mid slope
1228936	505497	7037576	800	8-Sep-11	MC	40-50	c	dark grey	15	5				80	weathered bedrock	moist	deciduous	mid slope
1228937	505601	7037599	750	8-Sep-11	MC	40-50	c	light brown	40	10				50	weathered bedrock	moist	deciduous	mid slope
1228938	505697	7037614	707	8-Sep-11	MC	30-40	c	light grey	5	25		20		65	weathered bedrock	dry	deciduous	mid slope
1228939	505745	7037633	678	8-Sep-11	MC	40-50	c	light grey	10	20				70	weathered bedrock	dry	deciduous	mid slope
1228940	505790	7037653	654	8-Sep-11	MC	40-50	c	dark brown	30	15				55	weathered bedrock	moist	deciduous	mid slope
1228941	505880	7037695	615	8-Sep-11	MC	40-50	c	light brown	10	10				80	weathered bedrock	moist	deciduous	mid slope
1228942	505925	7037720	594	8-Sep-11	MC	60-70	c	dark grey	10	20				70	weathered bedrock	moist	deciduous	mid slope
1228943	505970	7037739	578	8-Sep-11	MC	50-60	c	dark grey	20	10				70	weathered bedrock	moist	deciduous	mid slope
1228944	506021	7037752	556	8-Sep-11	MC	60-70	c	dark brown	15	5				80	weathered bedrock	moist	deciduous	mid slope
1228945	506065	7037768	532	8-Sep-11	MC	40-50	c	dark grey	15	15				70	weathered bedrock	moist	deciduous	mid slope
1228946	506044	7037648	541	8-Sep-11	MC	40-50	c	light brown	5	20				75	weathered bedrock	moist	deciduous	mid slope
1228947	506022	7037602	540	8-Sep-11	MC	40-50	c	dark brown	10	15				75	weathered bedrock	moist	deciduous	mid slope
1228948	506019	7037552	542	8-Sep-11	MC	50-60	c	light brown	5	25				70	weathered bedrock	moist	deciduous	mid slope
1228949	506026	7037504	545	8-Sep-11	MC	40-50	c	light brown	5	20				75	weathered bedrock	moist	deciduous	mid slope
1228950	506017	7037453	553	8-Sep-11	MC	40-50	c	light brown	10	30				60	weathered bedrock	moist	deciduous	mid slope

Appendix II: Rock Sample Descriptions

Rock Sample Descriptions

UTM NAD 83 Zone 7

Abbreviations: qtz - quartz, py - pyrite, cpy - chalcopyrite, po - pyrrhotite, chl - chlorite, fg - fine grained, mg - medium grained, metased - metasedimentary, min - mineralization, OC - outcrop

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Description
1222851	504293	7038086	866	8-Sep-11	MC	Float from shallow hand dug pit. Klondike schist-muscovite. Almost graphitic. Silica rich HZs along schistosity and younger silicification evident. FeO2 + MnO2 zones and weathering.
1224368	506111	7037187	519	8-Sep-11	MC	5-20cm wide qtz vein in qtz-mica schist bedrock. Vein is distinctively yellow. Top layer of vein has abundant 2-3mm euhedral pyrite cubes, about half fresh and half limonite altered.
1224369	506112	7037189	519	8-Sep-11	MC	Similar to 1224368 but more quartz material.
1224370	504278	7038117	868	8-Sep-11	MC	Qtz boulder, 1x1m. Rusty, with rusted out sulphide pits. NVS.
1224374	506101	7037259	500	10-Sep-11	MC	Grey schist unit. Qtz-rich with minor calcite. Also, micas present. Rusted out patches up to 3mm across. May have been sulphides or madics. Outcrop foliation variable.
1224375	506105	7037253	506	10-Sep-11	MC	Float sample. Green and white/pink schistose unit. Chlorite schist with pinkish qtz eyes along foliation. Micas present. NVS.
1224376	506105	7037253	507	10-Sep-11	MC	Float sample. Qtz unit, some banded structures. Metallic silvery-grey slivers disseminated throughout up to 3mm long. Rusted. <1% dark patches. Micas present. Cubic voids.
1224377	506103	7037235	507	10-Sep-11	MC	Float sample. Angular qtz piece. Rusty qtz with limonitic and semi-fresh sulphides, brassy, fine grained, <1%. Could not see in OC above, may be buried.
1224378	506127	7037142	506	10-Sep-11	MC	Rock SC/OC. Talus directly below OC. Light green pinkish-white schist. Muscovite-rich. Qtz and carb present. HCl fizz. Lots of rusted out sulphides, cubic shaped up to 4mm, ~1%.
1224379	506130	7037081	510	10-Sep-11	MC	Rock OC. Green silicified schist. Mica-rich with qtz veinlets up to 1cm wide. Up to 2% rusty sulphides, cubic and fine grained. Brassy and grey. Foliation planes at 145/40 but vary along OC.
1224380	506135	7037048	513	10-Sep-11	MC	Float sample. White qtz material with green mica-rich wallrock. Angular fragments. Contains dk grey metallic clusters of sulphides. Up to 6mm across. <1%. Wallrock matches local OC.
1224381	506168	7036976	506	10-Sep-11	MC	Rock OC. Qtz boudinage lenses in a chloritic green schist. Qtz is white with schist inclusions. Also contains a block of grey-brown carbonate rock. Carbonate and contact bt qtz and schist has dissem fine grained pyrite. <1% cubic/subhedral.
1224382	506188	7036961	503	10-Sep-11	MC	Rock OC. Intrusive dyke @130/35. Black to dk grey, fine grained. May be andesite or rhyolitic. Carbonate (calcite) stringers (HCl reacts) throughout about 2mm wide. NVS but rusty exterior. Cross cuts foliation.
1224383	506172	7036931	509	10-Sep-11	MC	Contact found. Rock OC/SC. Grey to dk grey groundmass with qtz and light green patches. Rusty red voids and patches. Blotches of dk grey soft mineral, shiny luster. Blotch about 3 inches across. Graphite? Likely weathered micas. Changes back to dk schist after 60m at river head (next sample).
1224384	506203	7036889	507	10-Sep-11	MC	Rock OC. Blocky structure. Competant silica rich quartzite schist? Banded quartzite and mica. Disseminated fine grained brassy sulphides <1%.

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Description
1224385	506203	7036864	510	10-Sep-11	MC	Rock OC. Dk grey silica rich fg rock. Some micas. Slivers of silvery metallics up to 1mm long. <1%. Purple/blue patches of iron staining.
1224386	506225	7036763	509	10-Sep-11	MC	OC. Dk grey - grey fg intrusive. Qtz lenses/patches/stringers. Red rusty patches. Blue oxidized sheen. River and OC cliff meet.
1224387	506218	7036810	515	10-Sep-11	MC	Rock OC. Red, yellow rusty weathered exterior. Dk grey schist with red rusted out sulphides. Fg 1%.

Appendix III: Soil Sample Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: September 13, 2011
Report Date: November 28, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11001428.1

CLIENT JOB INFORMATION

Project: MC
Shipment ID: MC soils (1-4)
P.O. Number
Number of Samples: 193

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	193	Dry at 60C			WHI
SS80	193	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	193	Saving all or part of Soil Reject			WHI
1DX2	193	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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: Goldspike Exploration Inc.
56th Floor - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Don Christie
Daithi Mac Gearailt



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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Toronto ON M5X 1C9 Canada

Project:

MC

Report Date:

November 28, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001428.1

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	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
1226351	Soil			0.7	21.5	12.7	41	0.2	19.0	9.7	264	2.30	3.1	0.5	2.4	23	<0.1	0.1	0.2	49
1226352	Soil			1.0	17.1	20.4	53	0.1	12.3	6.1	452	1.69	3.4	0.8	6.7	29	0.2	0.1	0.3	29
1226353	Soil			0.7	62.1	27.5	50	0.2	14.6	7.0	317	1.58	3.2	2.0	7.6	45	0.2	0.2	0.5	28
1226354	Soil			1.5	42.2	25.5	44	0.1	12.7	8.0	372	2.27	5.5	2.7	6.5	34	0.1	0.2	0.4	36
1226355	Soil			1.3	23.8	18.7	46	0.1	17.4	13.0	670	2.35	4.9	1.3	4.8	30	<0.1	0.2	0.3	48
1226356	Soil			0.9	41.9	23.4	46	0.1	18.1	9.7	258	2.46	7.0	1.0	6.4	28	0.2	0.2	0.5	42
1226357	Soil			0.8	34.7	33.4	51	0.1	16.9	7.5	204	2.29	7.8	2.3	7.2	21	<0.1	0.2	0.5	39
1226358	Soil			0.9	31.1	28.7	60	<0.1	41.8	13.9	473	3.02	5.1	1.7	5.2	13	<0.1	<0.1	0.4	60
1226359	Soil			1.0	58.3	26.2	67	0.1	51.4	20.2	576	3.22	4.2	1.7	5.3	19	0.2	0.1	0.3	61
1226360	Soil			0.5	54.5	21.1	79	0.1	48.9	15.0	374	3.01	3.0	2.1	3.3	19	0.2	0.1	0.2	69
1226361	Soil			0.6	48.2	19.8	82	0.2	40.1	16.6	624	3.13	3.0	0.9	3.2	17	<0.1	0.1	0.2	70
1226362	Soil			1.6	75.7	17.3	77	0.3	35.7	16.1	837	2.64	6.1	2.0	2.5	33	0.6	0.2	0.2	57
1226363	Soil			1.3	63.2	113.7	74	0.5	25.8	12.1	699	2.22	6.1	0.7	3.0	40	0.6	0.3	0.2	44
1226364	Soil			1.4	47.3	139.5	87	0.5	22.1	9.7	313	2.30	8.0	1.8	4.0	31	0.3	0.7	0.3	40
1226365	Soil			1.3	57.9	177.6	217	0.3	19.5	11.9	712	2.73	10.0	0.9	4.9	21	0.3	0.5	0.3	39
1226366	Soil			2.0	126.7	876.1	210	1.0	17.0	8.6	332	3.02	14.2	6.3	5.3	22	0.3	0.9	0.6	40
1226367	Soil			1.3	49.0	293.2	119	0.6	14.5	6.5	207	2.21	9.6	4.0	4.5	20	0.2	0.6	0.3	36
1226368	Soil			1.3	51.6	445.3	121	0.7	12.6	5.8	212	2.13	10.5	3.4	4.2	22	0.2	0.5	0.3	30
1226369	Soil			1.4	60.7	569.4	112	0.8	12.9	6.0	160	2.27	10.8	3.8	4.6	24	0.2	0.6	0.3	31
1226370	Soil			1.2	43.6	236.3	109	0.4	10.6	3.9	136	1.80	8.6	3.2	6.4	24	0.3	0.4	0.2	26
1226371	Soil			1.4	51.6	505.7	109	0.6	12.0	6.1	157	2.35	9.8	2.8	5.3	23	0.2	0.6	0.3	30
1226372	Soil			0.9	37.6	280.0	89	0.3	11.5	4.8	106	2.21	10.8	3.2	5.1	22	0.4	0.6	0.3	38
1226373	Soil			0.9	46.9	141.7	84	0.2	16.4	9.0	169	2.47	10.4	3.3	4.0	25	0.4	0.7	0.2	46
1226374	Soil			0.5	34.3	71.5	73	0.2	14.5	6.4	158	2.04	6.7	3.1	2.6	26	0.3	0.4	0.2	48
1226375	Soil			0.4	37.7	74.2	74	0.2	13.0	5.2	330	1.92	6.2	3.0	1.9	25	0.3	0.4	0.2	40
1226376	Soil			0.1	30.3	38.1	49	0.1	12.9	4.3	85	1.99	7.9	3.2	2.3	23	0.2	0.4	0.2	54
1226377	Soil			0.2	26.7	19.4	37	0.1	13.8	6.4	132	1.78	6.7	2.8	1.8	29	0.2	0.4	0.2	44
1226378	Soil			0.6	27.0	18.5	49	0.1	17.3	7.5	226	2.08	7.2	2.3	2.2	33	0.1	0.4	0.2	47
1226379	Soil			0.6	35.2	24.1	70	<0.1	20.2	9.3	388	2.19	7.2	4.4	3.0	31	0.3	0.4	0.2	52
1226380	Soil			1.3	28.5	40.2	63	0.2	16.3	7.5	317	2.21	9.3	7.3	3.9	28	0.2	0.3	0.3	46

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



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Project:

MC

Report Date:

November 28, 2011

Page:

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Part 2

CERTIFICATE OF ANALYSIS

WHI11001428.1

	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
1226351	Soil	34	0.81	164	0.015	1	1.69	0.011	0.05	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5
1226352	Soil	16	0.35	110	0.031	1	1.14	0.010	0.09	0.2	0.02	2.8	<0.1	<0.05	4	<0.5
1226353	Soil	16	0.35	218	0.025	<1	1.12	0.012	0.10	0.1	0.04	3.5	<0.1	<0.05	3	<0.5
1226354	Soil	19	0.53	187	0.021	<1	1.26	0.011	0.07	0.1	0.03	3.7	<0.1	<0.05	4	<0.5
1226355	Soil	34	0.86	127	0.022	<1	1.47	0.008	0.05	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5
1226356	Soil	31	0.96	108	0.022	<1	1.49	0.009	0.04	<0.1	0.03	4.8	<0.1	<0.05	5	0.6
1226357	Soil	29	1.10	107	0.017	<1	1.54	0.010	0.04	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5
1226358	Soil	101	1.85	90	0.019	<1	2.06	0.005	0.03	<0.1	0.01	5.3	<0.1	<0.05	6	<0.5
1226359	Soil	118	1.90	103	0.023	<1	2.04	0.007	0.03	<0.1	0.02	6.4	<0.1	<0.05	5	0.6
1226360	Soil	113	1.91	109	0.029	<1	2.24	0.009	0.03	<0.1	0.03	7.6	<0.1	<0.05	6	0.5
1226361	Soil	82	1.69	126	0.030	<1	2.26	0.008	0.04	<0.1	0.02	7.3	<0.1	<0.05	6	<0.5
1226362	Soil	62	1.16	152	0.021	<1	1.78	0.012	0.04	<0.1	0.03	8.0	<0.1	<0.05	4	<0.5
1226363	Soil	46	0.92	150	0.020	<1	1.44	0.012	0.05	<0.1	0.06	5.1	<0.1	<0.05	4	0.6
1226364	Soil	41	0.92	123	0.017	<1	1.35	0.009	0.05	<0.1	0.07	4.3	0.1	<0.05	4	0.5
1226365	Soil	34	1.08	80	0.018	<1	1.33	0.007	0.07	<0.1	0.03	4.2	<0.1	<0.05	3	0.6
1226366	Soil	33	0.92	156	0.016	<1	1.49	0.010	0.10	<0.1	0.15	4.3	0.1	0.08	4	0.5
1226367	Soil	28	0.71	141	0.023	<1	1.34	0.010	0.07	<0.1	0.08	3.2	0.1	<0.05	4	<0.5
1226368	Soil	21	0.53	136	0.021	<1	1.10	0.009	0.07	<0.1	0.07	2.5	<0.1	<0.05	3	0.8
1226369	Soil	20	0.49	159	0.023	<1	1.10	0.010	0.07	<0.1	0.09	2.6	<0.1	<0.05	3	<0.5
1226370	Soil	16	0.37	145	0.031	<1	1.00	0.011	0.11	<0.1	0.04	2.4	<0.1	0.07	3	0.6
1226371	Soil	19	0.39	169	0.028	<1	1.11	0.010	0.08	<0.1	0.07	2.7	<0.1	<0.05	3	<0.5
1226372	Soil	17	0.32	166	0.042	<1	1.23	0.012	0.08	0.1	0.05	2.7	<0.1	<0.05	4	0.7
1226373	Soil	22	0.36	198	0.050	<1	1.43	0.013	0.07	0.1	0.05	3.6	<0.1	<0.05	4	0.9
1226374	Soil	26	0.39	172	0.057	1	1.53	0.015	0.06	<0.1	0.06	3.9	<0.1	<0.05	4	0.7
1226375	Soil	22	0.32	158	0.041	<1	1.23	0.015	0.05	0.1	0.07	3.4	<0.1	0.06	3	0.6
1226376	Soil	25	0.34	142	0.058	<1	1.53	0.015	0.06	<0.1	0.06	3.8	<0.1	0.06	4	<0.5
1226377	Soil	22	0.30	169	0.050	<1	1.25	0.018	0.05	<0.1	0.06	3.4	<0.1	0.06	4	0.7
1226378	Soil	23	0.37	192	0.060	<1	1.41	0.019	0.05	0.1	0.04	3.5	<0.1	<0.05	4	0.8
1226379	Soil	25	0.43	192	0.070	<1	1.38	0.020	0.06	0.1	0.03	3.8	<0.1	<0.05	4	0.8
1226380	Soil	29	0.67	123	0.035	<1	1.26	0.013	0.06	0.1	0.04	3.6	<0.1	<0.05	4	<0.5

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



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Project: MC
Report Date: November 28, 2011

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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
1226381	Soil	0.7	28.8	15.6	55	<0.1	25.4	9.8	326	2.12	3.7	2.1	4.5	20	0.1	0.2	0.2	47	0.37	0.036
1226382	Soil	1.7	25.5	13.7	42	0.1	14.8	6.4	187	1.80	5.4	4.2	6.0	35	0.2	0.3	0.3	36	0.58	0.035
1226383	Soil	0.8	19.8	28.4	58	0.1	16.2	8.4	426	1.91	4.7	1.2	3.9	26	0.1	0.2	0.2	39	0.44	0.040
1226384	Soil	0.9	33.3	50.4	85	0.1	18.1	8.3	208	2.18	7.0	3.4	4.8	26	0.2	0.3	0.2	48	0.42	0.043
1226385	Soil	0.7	32.2	13.2	52	0.1	24.2	9.3	334	2.12	7.7	3.9	3.6	32	0.2	0.5	0.2	51	0.51	0.049
1226386	Soil	2.0	21.1	19.8	45	0.1	12.9	9.6	604	1.96	5.5	3.8	0.9	32	0.2	0.3	0.2	40	0.47	0.057
1228934	Soil	1.4	24.3	9.5	54	0.4	20.6	8.6	248	2.60	7.8	3.2	2.8	14	0.2	0.4	0.2	68	0.13	0.033
1228935	Soil	1.6	16.2	7.6	43	0.4	9.2	4.4	159	1.84	4.6	0.6	1.2	9	0.3	0.3	0.2	51	0.08	0.033
1228936	Soil	2.1	45.2	9.3	61	0.7	29.7	9.0	192	2.53	9.3	2.7	2.5	22	0.6	0.5	0.2	59	0.16	0.067
1228937	Soil	1.3	28.2	7.8	50	0.3	20.0	9.4	1392	1.91	8.1	1.3	1.4	40	0.4	0.4	0.2	48	0.79	0.035
1228938	Soil	2.6	20.3	14.3	46	0.2	11.2	4.5	563	1.46	8.9	2.3	4.9	26	0.2	0.3	0.7	40	0.30	0.037
1228939	Soil	1.5	11.9	14.9	31	0.1	10.5	4.0	150	1.46	5.4	1.1	7.8	20	<0.1	0.2	0.7	31	0.23	0.026
1228940	Soil	2.0	13.1	21.2	36	<0.1	9.8	6.9	558	1.72	5.6	<0.5	7.0	20	0.1	0.3	0.7	34	0.23	0.031
1228941	Soil	1.4	16.1	19.2	33	0.1	13.0	5.6	329	1.80	7.3	4.4	13.6	36	0.1	0.3	0.5	36	0.50	0.021
1228942	Soil	1.0	30.5	19.0	39	0.2	16.1	6.7	365	1.89	8.0	3.4	14.9	46	0.1	0.3	0.5	32	0.85	0.039
1228943	Soil	1.1	29.9	13.0	38	0.1	16.4	7.2	558	1.84	4.9	3.7	9.5	59	0.2	0.3	0.3	28	1.16	0.047
1228944	Soil	0.9	31.5	16.6	41	0.2	16.5	7.6	637	1.87	4.5	3.9	8.4	55	0.2	0.2	0.4	30	0.98	0.042
1228945	Soil	1.0	34.6	17.8	41	0.1	19.1	7.9	494	1.88	4.8	1.8	5.8	43	0.1	0.2	0.4	34	1.08	0.048
1228946	Soil	3.0	42.5	68.8	65	0.3	8.9	7.2	521	2.04	10.1	0.6	17.6	32	0.2	0.2	2.5	18	0.49	0.031
1228947	Soil	1.3	23.9	15.2	39	0.1	15.1	9.0	518	2.02	6.7	2.2	6.8	54	0.1	0.2	0.4	34	1.07	0.034
1228948	Soil	1.7	31.2	8.9	61	<0.1	22.9	16.4	783	3.92	7.0	6.1	7.0	50	<0.1	0.2	0.4	52	1.54	0.059
1228949	Soil	1.6	13.7	17.1	30	<0.1	10.1	5.3	385	1.76	9.4	2.1	10.8	29	<0.1	0.2	0.4	26	0.35	0.029
1228950	Soil	1.7	23.1	16.8	57	0.1	23.8	10.5	444	2.28	8.8	0.9	8.9	35	<0.1	0.3	0.4	46	0.54	0.035
1228251	Soil	0.4	6.6	7.8	16	<0.1	4.0	2.1	82	0.95	1.8	<0.5	1.2	11	0.3	<0.1	0.1	31	0.11	0.012
1228252	Soil	2.3	8.4	16.4	49	<0.1	6.6	5.3	263	2.23	2.9	<0.5	16.1	13	0.2	0.2	0.2	20	0.16	0.032
1228253	Soil	0.3	80.9	6.9	61	0.5	49.6	18.5	741	4.12	4.6	7.7	2.2	54	0.2	0.2	<0.1	101	1.40	0.048
1228254	Soil	0.3	86.7	5.0	70	0.1	43.2	12.2	857	4.27	3.1	1.5	3.1	26	0.1	0.2	0.1	96	0.45	0.028
1228255	Soil	2.0	32.0	10.2	63	0.5	28.3	8.4	218	2.52	7.2	2.0	4.2	24	0.2	0.3	0.2	70	0.20	0.017
1228256	Soil	2.8	33.1	19.7	88	0.4	21.0	4.7	275	2.42	9.8	<0.5	2.8	24	0.4	0.3	0.2	52	0.15	0.070
1228257	Soil	2.2	65.2	11.7	84	2.9	73.4	14.5	315	3.86	13.9	5.8	6.4	15	0.2	0.7	0.2	87	0.12	0.068



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Part 2

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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
1226381	Soil			49	1.01	103	0.037	<1	1.42	0.012	0.05	<0.1	0.02	4.3	<0.1	<0.05	4
1226382	Soil			25	0.51	171	0.042	<1	1.29	0.018	0.10	<0.1	0.03	3.7	<0.1	0.06	4
1226383	Soil			28	0.67	111	0.035	<1	1.22	0.013	0.06	0.1	0.03	3.4	<0.1	<0.05	3
1226384	Soil			27	0.57	154	0.061	<1	1.30	0.019	0.06	0.1	0.03	3.9	<0.1	<0.05	4
1226385	Soil			24	0.52	190	0.073	1	1.25	0.027	0.07	0.1	0.03	3.6	<0.1	<0.05	3
1226386	Soil			20	0.28	165	0.038	<1	1.13	0.014	0.05	0.1	0.06	2.5	<0.1	0.06	4
1228934	Soil			26	0.34	183	0.070	3	1.83	0.013	0.05	0.1	<0.01	2.2	<0.1	0.10	7
1228935	Soil			14	0.17	91	0.044	2	0.84	0.011	0.04	<0.1	<0.01	1.2	<0.1	0.12	5
1228936	Soil			28	0.35	232	0.046	2	1.91	0.014	0.07	<0.1	<0.01	2.0	<0.1	0.12	6
1228937	Soil			19	0.30	491	0.048	3	1.40	0.029	0.06	<0.1	<0.01	2.0	<0.1	0.11	4
1228938	Soil			14	0.25	174	0.040	2	0.73	0.012	0.13	<0.1	<0.01	1.2	<0.1	0.16	4
1228939	Soil			14	0.29	142	0.029	2	1.07	0.013	0.13	0.1	<0.01	1.5	<0.1	0.10	5
1228940	Soil			15	0.23	163	0.022	2	1.22	0.014	0.16	0.1	<0.01	1.5	<0.1	0.10	6
1228941	Soil			19	0.38	193	0.041	2	1.32	0.019	0.12	<0.1	<0.01	2.4	<0.1	0.10	4
1228942	Soil			20	0.44	214	0.030	3	1.34	0.017	0.11	0.1	<0.01	3.5	<0.1	0.17	4
1228943	Soil			24	0.50	192	0.021	3	1.25	0.014	0.09	<0.1	0.01	3.1	<0.1	0.14	4
1228944	Soil			25	0.51	201	0.023	2	1.35	0.016	0.09	<0.1	0.02	3.0	<0.1	0.15	4
1228945	Soil			34	0.70	139	0.023	3	1.38	0.016	0.08	<0.1	0.01	3.2	<0.1	0.21	4
1228946	Soil			11	0.66	116	0.015	2	1.12	0.016	0.09	<0.1	<0.01	2.2	<0.1	0.20	3
1228947	Soil			23	0.56	176	0.024	3	1.25	0.016	0.11	<0.1	<0.01	2.8	<0.1	0.17	4
1228948	Soil			40	1.38	123	0.016	3	1.98	0.012	0.06	<0.1	0.01	5.4	<0.1	0.22	7
1228949	Soil			14	0.29	191	0.021	2	1.06	0.011	0.14	0.1	<0.01	1.9	<0.1	0.12	3
1228950	Soil			30	0.59	179	0.030	2	1.49	0.013	0.12	<0.1	0.01	2.8	<0.1	0.10	5
1228251	Soil			8	0.11	138	0.034	<1	0.73	0.015	0.04	<0.1	<0.01	0.8	<0.1	0.10	4
1228252	Soil			11	0.75	115	0.009	2	1.21	0.004	0.06	<0.1	<0.01	0.9	<0.1	0.08	3
1228253	Soil			100	2.37	186	0.030	3	3.14	0.017	0.06	<0.1	0.06	12.6	<0.1	0.14	6
1228254	Soil			63	1.91	325	0.029	1	3.14	0.006	0.15	<0.1	<0.01	9.8	0.2	0.07	7
1228255	Soil			37	0.54	397	0.063	1	1.91	0.014	0.04	<0.1	<0.01	2.9	<0.1	0.08	5
1228256	Soil			19	0.28	193	0.040	1	1.06	0.011	0.06	0.1	<0.01	1.5	<0.1	0.12	5
1228257	Soil			62	0.55	356	0.084	2	4.32	0.015	0.07	<0.1	0.10	4.4	0.2	0.08	8



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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	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	0.1	2	0.01	0.001
1228258	Soil			0.9	18.1	6.5	32	0.2	15.9	6.5	167	1.80	5.0	<0.5	1.9	16	0.1	0.2	0.1	45	0.16	0.018	7	
1228259	Soil			1.3	21.4	8.1	54	0.5	18.1	7.1	252	2.11	4.1	1.5	1.9	9	0.2	0.3	0.1	50	0.09	0.047	8	
1228260	Soil			1.2	17.8	8.5	78	0.6	19.7	15.0	1055	2.24	2.8	1.0	2.1	22	0.3	0.3	0.2	56	0.22	0.036	10	
1228261	Soil			1.4	35.4	10.6	78	0.5	33.2	10.0	371	2.90	7.6	2.5	3.8	17	0.3	0.4	0.2	59	0.14	0.031	15	
1228262	Soil			3.3	41.8	12.5	128	0.4	38.3	12.3	346	2.90	5.8	<0.5	5.2	21	0.4	0.4	0.2	55	0.16	0.049	18	
1228263	Soil			1.4	27.2	11.8	60	0.4	29.7	12.1	477	2.91	10.2	1.6	2.9	31	0.3	0.3	0.2	76	0.35	0.048	11	
1228264	Soil			1.1	13.3	6.9	31	0.4	13.1	7.2	330	1.67	3.1	1.3	1.6	21	0.2	0.2	<0.1	47	0.19	0.021	6	
1228265	Soil			2.2	30.9	10.9	61	0.5	23.1	7.4	213	2.62	7.1	1.4	3.8	29	0.3	0.3	0.2	67	0.21	0.043	13	
1228266	Soil			1.3	28.0	13.8	69	0.4	23.6	9.4	256	2.56	5.4	<0.5	4.3	25	0.3	0.3	0.2	62	0.24	0.027	15	
1228267	Soil			2.0	22.6	10.4	47	0.3	19.9	8.0	231	2.49	7.6	2.4	2.5	21	0.3	0.3	0.2	67	0.19	0.044	11	
1228268	Soil			1.2	23.3	10.7	45	0.2	19.4	7.2	261	2.31	4.5	2.1	2.1	24	<0.1	0.2	0.2	64	0.25	0.020	9	
1228269	Soil			1.3	32.5	10.3	47	0.1	24.9	8.9	275	2.76	6.4	1.9	3.5	29	<0.1	0.3	0.2	69	0.27	0.021	11	
1228270	Soil			1.8	12.0	26.3	47	0.2	13.6	6.2	172	2.02	6.6	5.6	7.1	18	0.1	0.5	0.3	53	0.20	0.012	7	
1228271	Soil			1.4	14.3	13.0	44	<0.1	7.2	9.1	566	3.32	3.6	<0.5	4.2	8	<0.1	0.2	0.4	51	0.09	0.034	8	
1228272	Soil			1.1	29.4	6.6	57	<0.1	48.6	20.8	424	3.79	4.8	0.5	4.0	10	<0.1	0.2	0.1	75	0.12	0.016	5	
1228273	Soil			0.9	7.0	6.7	42	<0.1	10.7	5.0	200	2.28	2.8	<0.5	3.2	9	<0.1	0.3	<0.1	26	0.11	0.016	3	
1228274	Soil			1.3	24.6	13.2	67	<0.1	25.4	9.4	226	2.37	8.8	0.7	2.6	17	0.2	0.4	0.2	63	0.17	0.017	9	
1228275	Soil			1.9	14.9	10.1	77	0.1	18.8	9.1	548	3.52	8.3	0.8	1.4	12	0.2	0.4	0.2	76	0.15	0.094	6	
1228276	Soil			1.2	32.9	11.1	81	0.2	42.6	15.1	485	3.14	10.1	2.3	3.4	20	0.3	0.4	0.2	73	0.21	0.042	9	
1228277	Soil			1.0	16.1	8.3	42	0.4	16.2	6.6	153	1.75	4.1	1.0	0.9	12	0.4	0.3	0.2	45	0.10	0.026	6	
1228278	Soil			1.7	29.3	9.4	52	0.4	25.2	8.2	360	2.27	5.8	0.5	3.0	20	0.2	0.4	0.2	59	0.18	0.029	10	
1228279	Soil			1.7	36.6	10.0	63	0.2	30.3	7.8	198	2.25	9.0	<0.5	4.3	15	0.2	0.4	0.2	41	0.12	0.032	14	
1228280	Soil			1.3	39.1	9.7	55	0.2	42.6	15.0	460	3.36	6.4	4.7	2.2	18	0.1	0.4	0.1	81	0.24	0.022	6	
1228281	Soil			1.1	22.3	17.8	79	0.1	49.2	10.5	560	2.89	4.3	<0.5	10.8	16	0.2	0.2	0.3	47	0.21	0.030	26	
1228282	Soil			0.8	11.9	14.8	37	0.3	9.5	5.5	448	1.80	4.7	<0.5	3.0	12	0.1	0.3	0.1	43	0.13	0.018	7	
1228283	Soil			0.8	87.5	9.7	96	0.2	39.7	20.8	1014	3.65	4.9	1.0	2.2	32	0.2	0.3	0.6	76	0.43	0.026	9	
1228284	Soil			1.1	17.6	14.6	67	0.2	24.3	9.5	369	2.65	3.6	1.2	4.1	15	0.1	0.3	0.2	62	0.20	0.017	9	
1228285	Soil			0.9	11.6	12.6	40	0.2	12.7	5.2	248	1.84	4.3	0.7	4.9	10	0.2	0.3	0.2	42	0.11	0.023	8	
1228286	Soil			0.9	12.2	13.9	73	0.3	17.7	8.6	689	2.02	3.6	0.7	2.3	25	0.4	0.3	0.2	49	0.30	0.054	7	
1228287	Soil			0.7	21.5	9.4	62	0.2	30.9	15.6	493	3.01	4.9	0.5	2.6	31	0.1	0.3	0.1	71	0.42	0.038	7	

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Project:

MC

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Part 2

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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
1228258	Soil			20	0.29	231	0.062	1	1.46	0.018	0.04	<0.1	0.02	2.4	<0.1	0.06	5
1228259	Soil			21	0.25	154	0.046	<1	1.65	0.013	0.04	<0.1	0.01	1.7	<0.1	<0.05	5
1228260	Soil			24	0.35	469	0.051	1	1.76	0.018	0.06	0.1	<0.01	2.1	<0.1	0.06	5
1228261	Soil			35	0.55	235	0.035	<1	1.76	0.009	0.06	<0.1	<0.01	2.1	<0.1	0.06	6
1228262	Soil			26	0.38	340	0.030	1	1.94	0.010	0.06	<0.1	<0.01	2.0	<0.1	0.08	5
1228263	Soil			38	0.54	592	0.077	2	2.26	0.015	0.07	0.1	<0.01	4.1	<0.1	0.09	6
1228264	Soil			19	0.27	621	0.058	1	1.26	0.019	0.04	<0.1	<0.01	1.4	<0.1	0.05	4
1228265	Soil			29	0.38	972	0.067	2	1.79	0.013	0.07	0.1	<0.01	2.3	<0.1	0.10	6
1228266	Soil			31	0.48	306	0.053	1	1.96	0.012	0.05	<0.1	0.01	2.8	<0.1	<0.05	5
1228267	Soil			27	0.36	258	0.051	1	1.65	0.014	0.07	<0.1	0.01	2.0	<0.1	<0.05	6
1228268	Soil			28	0.39	296	0.072	<1	1.93	0.015	0.04	<0.1	<0.01	2.7	<0.1	<0.05	6
1228269	Soil			35	0.55	352	0.067	2	2.02	0.013	0.05	<0.1	<0.01	3.0	<0.1	<0.05	6
1228270	Soil			23	0.32	159	0.068	<1	1.54	0.011	0.05	0.2	<0.01	2.0	<0.1	<0.05	5
1228271	Soil			10	0.39	150	0.007	1	1.69	0.005	0.12	<0.1	<0.01	5.2	<0.1	<0.05	5
1228272	Soil			92	1.45	113	0.021	<1	2.40	0.005	0.05	<0.1	<0.01	6.7	<0.1	<0.05	8
1228273	Soil			20	0.48	139	0.004	<1	1.59	0.004	0.04	<0.1	<0.01	3.2	<0.1	<0.05	5
1228274	Soil			35	0.50	199	0.071	<1	1.94	0.010	0.04	<0.1	0.01	3.1	<0.1	<0.05	5
1228275	Soil			34	0.39	138	0.068	<1	2.08	0.011	0.05	<0.1	0.02	2.2	<0.1	<0.05	7
1228276	Soil			39	0.58	271	0.077	1	2.64	0.014	0.05	0.1	0.02	3.2	<0.1	<0.05	6
1228277	Soil			20	0.25	202	0.057	<1	1.29	0.011	0.03	<0.1	0.03	1.5	<0.1	<0.05	5
1228278	Soil			28	0.36	235	0.062	<1	1.72	0.012	0.04	<0.1	0.01	2.5	<0.1	<0.05	5
1228279	Soil			25	0.41	156	0.026	<1	1.42	0.009	0.05	<0.1	0.01	2.1	<0.1	<0.05	4
1228280	Soil			63	1.08	225	0.105	1	2.57	0.010	0.09	<0.1	0.01	4.1	0.1	<0.05	7
1228281	Soil			134	2.30	172	0.048	<1	2.70	0.006	0.07	<0.1	<0.01	4.3	0.1	<0.05	7
1228282	Soil			15	0.25	167	0.048	<1	1.33	0.016	0.07	<0.1	0.01	1.7	<0.1	<0.05	4
1228283	Soil			64	1.34	207	0.077	<1	2.05	0.016	0.19	<0.1	0.01	4.8	0.1	<0.05	6
1228284	Soil			47	0.66	234	0.042	<1	1.85	0.011	0.08	<0.1	<0.01	2.9	<0.1	<0.05	6
1228285	Soil			20	0.31	130	0.049	<1	1.37	0.009	0.08	<0.1	0.01	1.7	<0.1	<0.05	5
1228286	Soil			25	0.37	225	0.055	1	1.41	0.016	0.17	<0.1	0.01	1.8	<0.1	<0.05	5
1228287	Soil			82	0.90	347	0.140	1	1.98	0.016	0.18	<0.1	0.01	3.2	0.1	<0.05	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
		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
1228288	Soil	0.4	24.6	6.4	97	<0.1	348.3	38.9	991	4.81	3.9	<0.5	4.8	21	<0.1	0.1	<0.1	135	0.42	0.036
1228289	Soil	2.5	40.2	17.2	93	0.2	25.3	5.6	282	2.58	41.8	2.0	8.5	30	0.3	0.7	0.3	57	0.17	0.054
1228290	Soil	1.2	25.8	12.3	88	0.4	27.5	9.3	339	2.74	23.8	1.2	7.1	20	0.3	0.5	0.2	67	0.22	0.037
1228291	Soil	1.3	16.8	13.9	104	0.2	18.6	10.8	454	2.41	11.8	1.4	5.1	25	0.4	0.4	0.1	58	0.25	0.064
1228292	Soil	1.4	30.9	15.6	85	0.5	36.3	10.1	315	2.98	13.9	1.4	12.4	22	0.2	0.7	0.1	68	0.28	0.049
1228293	Soil	1.1	25.8	10.8	72	0.3	26.2	11.4	928	2.53	7.1	<0.5	4.0	31	0.3	0.4	0.2	62	0.42	0.035
1228294	Soil	2.0	23.3	15.7	59	0.3	21.9	10.8	554	2.63	8.9	1.5	7.6	33	0.2	0.6	0.1	57	0.55	0.049
1228295	Soil	1.2	23.0	10.8	66	0.4	20.4	10.0	548	2.47	6.1	<0.5	5.0	29	0.1	0.4	0.1	60	0.40	0.039
1228296	Soil	1.3	16.2	12.4	52	0.2	23.6	13.5	800	2.77	6.6	<0.5	5.0	27	<0.1	0.4	0.2	62	0.43	0.025
1228297	Soil	1.1	30.8	29.5	81	0.1	35.1	11.4	361	3.28	14.3	<0.5	14.0	16	<0.1	0.8	0.4	26	0.30	0.035
1228298	Soil	1.3	24.4	12.9	53	0.1	22.0	12.3	778	2.68	8.1	0.8	6.2	33	0.2	0.4	0.2	57	0.58	0.025
1228299	Soil	1.2	36.4	11.8	56	<0.1	39.8	14.5	467	3.52	13.7	0.5	10.1	24	<0.1	0.5	0.2	60	0.37	0.027
1228300	Soil	0.7	19.8	13.4	60	<0.1	20.4	11.4	666	2.71	5.5	1.3	3.6	59	0.2	0.4	0.2	55	0.55	0.029
1228301	Soil	0.8	23.7	13.2	68	<0.1	20.9	12.2	798	2.98	5.4	0.6	3.4	44	0.2	0.3	0.2	78	0.55	0.030
1228302	Soil	1.6	16.0	16.3	56	0.1	18.0	9.3	607	2.18	5.4	<0.5	3.7	29	0.1	0.3	0.2	43	0.42	0.035
1228303	Soil	1.3	22.6	17.4	52	0.1	20.8	10.1	473	2.51	6.1	1.4	4.0	36	0.2	0.4	0.2	51	0.49	0.031
1228304	Soil	1.4	30.6	18.7	56	<0.1	23.8	11.1	564	2.59	7.5	1.6	4.6	38	0.1	0.3	0.2	52	0.55	0.038
1226427	Soil	1.0	18.9	10.2	152	0.5	48.3	18.0	2104	2.61	4.1	0.7	2.6	30	1.5	0.4	0.2	61	0.34	0.071
1226428	Soil	3.6	44.7	18.6	126	0.5	38.4	9.2	278	3.40	18.1	0.9	5.8	36	0.5	0.4	0.4	72	0.18	0.054
1226429	Soil	2.8	46.4	13.9	89	0.6	35.5	8.0	318	3.19	14.8	0.9	5.8	51	0.3	0.5	0.3	64	0.26	0.046
1226430	Soil	1.8	33.9	12.2	68	0.7	51.4	16.1	726	3.42	13.2	1.3	4.3	20	0.3	0.5	0.2	82	0.16	0.024
1226431	Soil	1.8	30.6	12.0	88	0.4	38.8	12.1	289	3.19	22.4	1.4	4.4	19	0.4	0.4	0.2	80	0.15	0.025
1226432	Soil	2.8	49.4	13.5	92	0.8	51.9	10.9	291	3.70	22.3	2.8	4.3	25	0.3	0.5	0.3	82	0.19	0.041
1226433	Soil	1.4	31.2	13.0	39	0.4	11.6	5.4	283	2.38	6.5	0.9	8.9	17	0.1	0.4	1.0	52	0.17	0.048
1226434	Soil	1.0	9.2	9.9	45	0.2	6.4	4.7	1241	1.49	2.2	0.6	3.1	16	0.2	0.3	0.2	42	0.15	0.033
1226435	Soil	1.6	11.7	10.3	41	0.1	11.2	6.5	482	2.48	3.8	1.0	3.0	16	0.1	0.3	0.2	59	0.18	0.022
1226436	Soil	0.7	32.4	6.5	53	<0.1	35.9	11.4	412	3.51	2.6	4.5	3.3	10	<0.1	0.2	<0.1	48	0.15	0.018
1226437	Soil	1.5	19.0	11.2	36	<0.1	31.2	10.6	322	3.10	10.5	0.6	1.5	15	<0.1	0.3	0.1	55	0.27	0.024
1226438	Soil	0.8	21.5	6.1	44	<0.1	33.7	12.5	1080	2.53	2.6	0.8	1.5	27	<0.1	0.2	0.1	60	0.48	0.020
1226439	Soil	0.9	17.2	9.3	49	0.2	20.4	10.2	482	2.62	4.4	<0.5	3.0	26	0.1	0.4	0.2	68	0.37	0.018



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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
1228288	Soil			911	6.37	159	0.061	<1	4.35	0.006	0.09	<0.1	<0.01	13.9	<0.1	<0.05	13
1228289	Soil			13	0.29	254	0.027	<1	1.16	0.009	0.13	0.2	<0.01	2.2	<0.1	<0.05	4
1228290	Soil			32	0.49	204	0.061	<1	1.86	0.011	0.10	<0.1	<0.01	3.1	<0.1	<0.05	6
1228291	Soil			25	0.40	207	0.038	<1	1.75	0.011	0.08	0.1	0.01	2.2	<0.1	<0.05	5
1228292	Soil			46	0.72	173	0.048	<1	1.80	0.010	0.12	<0.1	<0.01	3.6	<0.1	<0.05	6
1228293	Soil			34	0.50	306	0.054	<1	1.78	0.015	0.10	<0.1	<0.01	3.6	0.1	<0.05	5
1228294	Soil			31	0.46	251	0.052	2	1.88	0.015	0.22	<0.1	0.02	3.9	<0.1	<0.05	5
1228295	Soil			30	0.47	283	0.047	<1	1.77	0.014	0.13	<0.1	0.01	3.2	<0.1	<0.05	5
1228296	Soil			35	0.42	232	0.077	<1	2.07	0.016	0.12	<0.1	0.02	3.8	<0.1	<0.05	6
1228297	Soil			36	0.71	87	0.017	<1	1.77	0.005	0.16	0.1	<0.01	2.4	0.1	<0.05	6
1228298	Soil			34	0.51	207	0.075	2	1.84	0.016	0.19	<0.1	<0.01	3.9	<0.1	<0.05	5
1228299	Soil			47	0.70	184	0.063	<1	2.17	0.014	0.13	<0.1	0.02	5.6	<0.1	<0.05	6
1228300	Soil			29	0.51	188	0.092	<1	1.87	0.020	0.12	0.2	<0.01	4.4	<0.1	<0.05	5
1228301	Soil			32	0.48	216	0.109	1	2.03	0.026	0.18	0.2	0.01	5.7	<0.1	<0.05	6
1228302	Soil			26	0.39	171	0.083	1	1.50	0.014	0.23	0.2	0.01	3.6	<0.1	<0.05	4
1228303	Soil			28	0.45	184	0.082	1	1.72	0.026	0.18	0.1	0.02	4.5	<0.1	<0.05	4
1228304	Soil			28	0.51	181	0.058	<1	1.69	0.020	0.14	0.1	0.02	4.2	<0.1	<0.05	5
1226427	Soil			31	0.49	396	0.079	<1	2.15	0.018	0.08	<0.1	0.02	3.4	<0.1	<0.05	6
1226428	Soil			32	0.52	353	0.036	2	1.81	0.015	0.09	0.1	0.01	2.3	<0.1	0.06	6
1226429	Soil			33	0.53	335	0.048	2	1.68	0.011	0.14	<0.1	0.01	2.4	<0.1	<0.05	5
1226430	Soil			41	0.56	498	0.076	1	2.83	0.014	0.06	<0.1	0.02	3.4	0.1	<0.05	8
1226431	Soil			39	0.57	349	0.061	1	2.47	0.013	0.06	<0.1	0.01	3.2	0.1	<0.05	7
1226432	Soil			40	0.54	421	0.070	2	2.57	0.014	0.07	<0.1	0.02	2.9	0.1	<0.05	8
1226433	Soil			19	0.22	230	0.029	1	1.86	0.007	0.14	0.2	0.02	1.7	0.1	<0.05	6
1226434	Soil			12	0.13	162	0.035	<1	1.00	0.011	0.06	0.1	0.01	1.4	<0.1	<0.05	5
1226435	Soil			22	0.48	172	0.041	1	1.74	0.014	0.08	<0.1	0.01	3.0	<0.1	<0.05	7
1226436	Soil			48	2.04	133	0.014	<1	2.70	0.004	0.07	<0.1	<0.01	4.6	<0.1	<0.05	7
1226437	Soil			54	0.99	186	0.043	<1	2.57	0.008	0.06	<0.1	0.01	2.9	<0.1	<0.05	6
1226438	Soil			69	1.20	239	0.079	1	2.08	0.020	0.07	<0.1	0.01	3.0	<0.1	<0.05	6
1226439	Soil			35	0.51	313	0.087	1	2.10	0.025	0.07	<0.1	0.01	3.2	<0.1	<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	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
1226440	Soil	1.4	20.4	15.7	48	0.2	24.2	9.2	346	3.00	19.2	2.1	6.3	21	<0.1	0.5	0.3	70	0.20	0.024
1226441	Soil	1.1	7.5	13.0	25	<0.1	6.1	4.0	496	1.45	2.9	1.2	4.0	23	<0.1	0.2	0.2	42	0.25	0.014
1226442	Soil	1.0	13.4	19.7	40	0.2	14.4	7.4	667	2.23	3.7	0.8	5.3	20	0.2	0.3	0.2	55	0.20	0.021
1226443	Soil	1.0	15.8	11.7	43	0.2	19.3	8.1	409	2.61	4.8	0.6	5.1	23	<0.1	0.5	0.3	66	0.20	0.015
1226444	Soil	0.9	10.5	12.8	40	0.2	10.5	6.2	485	1.96	2.6	0.8	4.2	19	0.1	0.3	0.3	48	0.17	0.024
1226445	Soil	1.2	11.2	12.9	36	0.1	13.5	6.7	446	2.33	3.5	1.5	4.0	26	<0.1	0.4	0.4	59	0.25	0.022
1226446	Soil	1.1	15.9	14.3	34	0.2	12.3	6.6	229	2.11	4.8	0.5	7.3	35	<0.1	0.3	0.7	47	0.24	0.016
1226447	Soil	1.0	13.4	11.8	37	0.1	15.3	7.5	277	2.27	3.0	<0.5	5.8	24	<0.1	0.4	0.9	57	0.20	0.016
1226448	Soil	1.4	13.8	18.4	28	<0.1	11.6	5.8	175	1.80	3.4	1.1	7.3	28	<0.1	0.3	1.0	46	0.23	0.013
1226449	Soil	1.0	22.0	12.0	40	<0.1	20.1	8.5	262	2.59	6.8	1.8	6.5	37	<0.1	0.5	0.3	66	0.34	0.016
1226450	Soil	0.6	31.7	14.6	53	<0.1	20.1	9.4	382	2.51	6.8	2.5	8.6	60	0.2	0.5	0.5	59	0.71	0.047
1228401	Soil	0.5	22.0	14.1	38	<0.1	14.8	9.0	428	2.05	5.1	1.4	8.0	64	0.1	0.4	0.6	48	0.79	0.040
1228402	Soil	0.4	37.9	11.3	45	<0.1	22.8	9.5	362	2.35	6.9	3.1	7.0	51	0.1	0.5	0.3	55	0.71	0.043
1228403	Soil	0.7	34.6	14.1	41	0.1	22.8	10.6	487	2.40	8.5	2.5	6.7	65	0.2	0.5	0.4	59	0.90	0.045
1228404	Soil	0.6	38.4	12.8	50	0.1	26.7	10.8	462	2.61	8.3	2.3	6.6	61	0.2	0.6	0.3	64	0.87	0.045
1228405	Soil	0.5	38.4	11.9	51	0.1	27.6	12.0	538	2.76	9.4	7.6	6.0	49	0.2	0.6	0.3	67	0.67	0.045
1228406	Soil	0.7	35.9	11.0	49	0.1	24.6	10.5	390	2.58	8.7	2.3	5.5	56	0.1	0.6	0.2	63	0.79	0.048
1228407	Soil	0.6	32.9	11.8	41	<0.1	22.8	9.8	385	2.46	7.9	2.8	5.8	51	<0.1	0.4	0.3	62	0.72	0.046
1228408	Soil	1.0	39.1	14.9	55	0.1	29.2	10.6	413	2.64	8.4	3.8	6.2	49	0.2	0.6	0.2	63	0.67	0.049
1228409	Soil	0.8	31.0	11.6	43	<0.1	20.2	9.0	281	2.42	7.2	3.2	3.9	60	0.1	0.4	0.2	57	0.85	0.048
1228410	Soil	0.7	37.7	14.1	51	0.1	25.7	9.9	321	2.73	7.6	3.9	6.4	51	0.2	0.6	0.3	66	0.71	0.045
1228411	Soil	0.8	35.2	12.9	47	<0.1	26.1	10.3	361	2.68	7.7	4.2	5.6	51	0.2	0.5	0.2	62	0.75	0.046
1228412	Soil	0.7	32.2	12.3	53	0.1	22.6	10.4	402	2.52	7.9	2.3	5.2	51	0.2	0.6	0.2	58	0.96	0.057
1228413	Soil	1.7	39.1	11.7	54	0.1	28.5	12.1	579	2.66	10.3	3.1	5.3	71	0.5	0.6	0.2	63	0.96	0.069
1227352	Soil	0.9	16.4	14.4	74	0.2	18.8	12.0	787	3.17	9.4	1.2	4.4	21	0.3	0.4	0.2	76	0.27	0.072
1227353	Soil	0.5	32.6	13.8	72	<0.1	48.4	23.9	595	4.77	11.4	3.7	11.3	23	<0.1	0.3	<0.1	92	0.48	0.150
1227354	Soil	0.4	13.2	4.7	61	<0.1	36.4	20.8	402	3.03	2.3	<0.5	1.3	32	<0.1	0.1	<0.1	62	0.36	0.099
1227355	Soil	0.9	27.8	10.8	41	<0.1	52.3	13.0	373	2.74	5.4	1.1	7.2	11	<0.1	0.3	0.2	70	0.10	0.021
1227356	Soil	0.9	31.9	13.2	52	0.1	30.2	13.2	290	2.84	9.7	4.0	7.1	15	0.1	0.6	0.1	65	0.14	0.021
1227357	Soil	1.0	105.3	6.7	88	0.1	36.1	17.5	705	4.58	25.2	2.0	1.8	14	<0.1	0.6	0.1	96	0.30	0.023

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



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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
1226440	Soil			40	0.58	334	0.079	1	2.58	0.009	0.13	0.1	0.01	3.1	0.1	<0.05	6
1226441	Soil			13	0.17	185	0.054	<1	0.86	0.016	0.10	<0.1	0.01	1.3	<0.1	<0.05	5
1226442	Soil			24	0.35	242	0.066	1	1.59	0.017	0.10	<0.1	<0.01	2.1	<0.1	<0.05	6
1226443	Soil			32	0.44	225	0.088	1	2.07	0.016	0.10	<0.1	0.01	2.6	<0.1	<0.05	6
1226444	Soil			19	0.27	183	0.044	<1	1.42	0.016	0.10	0.1	0.02	1.6	0.1	<0.05	6
1226445	Soil			23	0.33	192	0.068	<1	1.65	0.015	0.09	<0.1	0.01	1.8	<0.1	<0.05	6
1226446	Soil			20	0.35	176	0.056	1	1.58	0.015	0.11	<0.1	0.01	2.1	<0.1	<0.05	5
1226447	Soil			26	0.37	201	0.060	<1	1.77	0.015	0.08	<0.1	0.01	2.2	<0.1	<0.05	5
1226448	Soil			21	0.28	164	0.064	<1	1.50	0.017	0.09	<0.1	0.01	2.5	<0.1	<0.05	5
1226449	Soil			34	0.48	225	0.105	1	1.94	0.019	0.10	0.1	0.02	4.5	<0.1	<0.05	6
1226450	Soil			29	0.52	223	0.116	2	1.89	0.053	0.15	0.3	0.04	4.3	0.1	<0.05	5
1228401	Soil			24	0.40	193	0.095	2	1.65	0.041	0.12	0.1	0.03	3.8	<0.1	<0.05	5
1228402	Soil			28	0.51	212	0.099	2	1.70	0.039	0.10	0.1	0.03	4.3	<0.1	<0.05	5
1228403	Soil			30	0.49	246	0.106	2	1.87	0.038	0.11	0.1	0.04	4.6	<0.1	<0.05	5
1228404	Soil			32	0.56	270	0.116	2	1.89	0.044	0.12	0.2	0.04	4.8	<0.1	<0.05	5
1228405	Soil			33	0.56	247	0.115	2	1.84	0.042	0.11	0.1	0.03	4.9	<0.1	<0.05	5
1228406	Soil			31	0.56	248	0.108	2	1.77	0.043	0.10	0.1	0.03	4.4	<0.1	<0.05	5
1228407	Soil			31	0.50	234	0.107	2	1.84	0.036	0.09	0.1	0.03	4.5	<0.1	<0.05	5
1228408	Soil			37	0.57	235	0.118	3	1.85	0.048	0.12	0.1	0.04	4.9	<0.1	<0.05	5
1228409	Soil			30	0.51	214	0.093	2	1.73	0.036	0.08	0.1	0.03	4.0	<0.1	<0.05	5
1228410	Soil			33	0.59	227	0.128	2	1.96	0.051	0.12	<0.1	0.04	5.3	<0.1	<0.05	5
1228411	Soil			33	0.54	239	0.118	2	1.89	0.039	0.10	0.1	0.03	4.9	<0.1	<0.05	5
1228412	Soil			31	0.57	198	0.097	2	1.68	0.038	0.13	0.1	0.03	4.2	<0.1	<0.05	5
1228413	Soil			30	0.55	245	0.094	3	1.62	0.037	0.10	0.2	0.04	4.4	<0.1	<0.05	5
1227352	Soil			36	0.77	194	0.057	1	1.80	0.011	0.10	<0.1	0.01	2.7	<0.1	<0.05	7
1227353	Soil			130	3.15	242	0.032	<1	3.40	0.012	0.13	<0.1	<0.01	5.7	<0.1	<0.05	9
1227354	Soil			178	2.55	508	0.181	<1	2.61	0.007	0.68	0.1	<0.01	1.0	0.2	<0.05	7
1227355	Soil			118	1.01	128	0.061	<1	2.02	0.007	0.05	<0.1	<0.01	4.3	<0.1	<0.05	6
1227356	Soil			49	0.66	195	0.093	<1	2.80	0.012	0.07	0.1	0.02	3.4	<0.1	<0.05	5
1227357	Soil			116	2.24	110	0.004	<1	3.00	0.004	0.09	<0.1	<0.01	8.5	0.1	<0.05	7



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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		
					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
1227358	Soil				1.6	31.4	13.1	60	0.1	22.7	8.2	313	2.96	5.3	0.6	3.9	14	0.2	0.4	0.2	73	0.19	0.017	8
1227359	Soil				2.3	43.0	13.4	89	0.2	44.6	10.1	284	3.09	16.1	0.8	6.8	19	0.3	0.6	0.2	52	0.10	0.043	21
1227360	Soil				1.5	23.0	9.5	56	0.4	16.8	4.4	140	1.64	13.4	0.9	2.7	14	0.2	0.6	0.1	35	0.09	0.028	12
1227361	Soil				1.1	18.7	10.6	82	0.5	20.4	11.8	286	2.39	8.9	<0.5	2.9	18	0.2	0.5	0.2	60	0.16	0.030	12
1227362	Soil				1.2	23.5	11.4	69	0.3	23.5	8.3	157	2.63	13.4	0.8	3.3	18	0.2	0.6	0.2	53	0.13	0.047	15
1227363	Soil				2.3	24.6	12.0	50	0.2	10.6	5.5	153	2.22	13.7	<0.5	2.8	19	0.1	0.7	0.3	46	0.12	0.063	17
1227364	Soil				1.1	17.6	11.2	61	0.2	15.9	11.0	211	1.98	3.8	<0.5	2.6	15	0.1	0.3	0.1	40	0.12	0.026	11
1227365	Soil				1.2	25.2	11.1	81	0.2	20.7	8.5	313	2.86	7.2	0.5	4.2	21	0.1	0.4	0.2	63	0.19	0.054	15
1227366	Soil				1.2	19.0	10.2	61	0.1	30.4	10.9	184	2.89	19.2	<0.5	2.2	19	0.3	0.5	0.2	66	0.14	0.054	10
1227367	Soil				1.1	30.1	9.2	49	0.2	40.0	14.6	1025	2.56	5.0	1.1	2.5	29	0.1	0.4	<0.1	62	0.30	0.018	11
1227368	Soil				1.1	26.6	7.6	34	0.3	26.0	13.6	1089	2.08	3.9	<0.5	2.0	27	0.1	0.4	<0.1	49	0.28	0.024	8
1227369	Soil				0.8	17.3	29.2	41	0.1	8.1	3.6	293	1.24	2.1	<0.5	1.3	15	0.2	0.2	0.3	26	0.13	0.026	24
1227370	Soil				1.2	32.2	21.2	26	0.2	13.8	6.2	455	1.34	3.3	<0.5	12.6	44	0.2	0.4	0.3	27	0.61	0.030	42
1227371	Soil				1.0	34.5	20.7	27	0.1	14.3	6.3	308	1.45	3.8	2.3	13.8	50	0.1	0.5	0.3	29	0.75	0.034	43
1227372	Soil				0.3	44.6	75.5	51	0.1	55.0	14.5	333	2.69	2.8	0.5	1.6	32	<0.1	0.2	0.7	57	0.45	0.015	4
1227373	Soil				0.2	56.8	43.6	55	0.1	70.1	16.3	398	2.77	2.0	1.7	1.6	34	<0.1	0.1	0.5	52	0.40	0.016	3
1227374	Soil				0.3	35.7	11.2	41	<0.1	24.5	10.1	174	2.49	9.4	2.9	4.4	36	0.2	0.4	0.2	60	0.49	0.027	12
1227375	Soil				0.5	27.8	10.7	48	0.1	21.2	10.7	362	2.35	7.5	2.5	4.9	40	0.2	0.4	0.2	54	0.57	0.057	14
1227376	Soil				0.6	28.4	9.6	43	0.1	21.7	10.0	465	2.10	5.8	4.4	3.4	53	0.3	0.5	0.1	48	0.86	0.065	13
1227377	Soil				1.2	28.7	15.8	73	0.1	25.7	13.2	191	2.32	7.9	2.7	6.7	48	0.4	0.4	0.3	53	0.47	0.051	25
1227378	Soil				1.0	33.1	14.4	76	0.2	26.2	11.4	234	2.33	6.8	2.8	5.8	56	0.5	0.4	0.2	52	0.56	0.053	23
1227379	Soil				1.5	29.1	10.8	41	0.1	19.4	9.3	380	2.23	8.7	2.4	4.0	48	0.2	0.4	0.2	50	0.53	0.049	21
1227380	Soil				2.3	31.3	12.3	42	0.1	21.9	11.8	396	2.42	8.8	1.7	4.3	59	0.2	0.4	0.2	48	0.62	0.053	24
1227381	Soil				4.9	34.9	15.7	57	0.1	20.7	16.2	1068	2.85	16.7	2.4	2.7	61	0.6	0.4	0.3	56	0.63	0.078	25
1227382	Soil				6.0	41.1	11.8	50	0.2	22.0	22.6	1543	2.88	15.0	3.6	3.1	84	0.8	0.5	0.2	50	0.86	0.109	32
1227383	Soil				0.6	17.6	10.3	39	<0.1	14.9	6.4	185	1.72	5.3	1.4	5.7	34	<0.1	0.4	0.2	40	0.36	0.048	17
1227384	Soil				0.9	24.7	12.6	50	0.1	19.2	8.4	306	1.91	5.3	1.7	6.0	47	0.2	0.4	0.2	46	0.48	0.052	21
1227385	Soil				0.8	14.3	8.1	37	<0.1	14.0	8.0	391	1.49	4.6	0.8	5.7	30	0.1	0.2	0.1	31	0.30	0.047	15
1227386	Soil				0.9	14.9	7.6	39	<0.1	14.5	7.0	270	1.57	6.2	2.0	5.9	30	0.1	0.3	0.1	34	0.31	0.047	14
1227387	Soil				0.9	26.4	13.2	59	0.1	22.1	9.1	379	1.97	6.4	1.4	6.2	46	0.2	0.4	0.2	48	0.49	0.053	21



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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
1227358	Soil			43	0.62	114	0.072	<1	1.82	0.009	0.07	<0.1	<0.01	2.5	<0.1	<0.05	6
1227359	Soil			42	0.59	188	0.016	<1	2.16	0.005	0.06	<0.1	<0.01	2.2	<0.1	<0.05	5
1227360	Soil			15	0.25	122	0.038	2	0.99	0.012	0.05	0.1	<0.01	1.1	<0.1	<0.05	4
1227361	Soil			24	0.36	265	0.037	<1	1.78	0.009	0.08	<0.1	<0.01	1.9	<0.1	<0.05	6
1227362	Soil			22	0.33	219	0.027	<1	1.60	0.008	0.08	<0.1	<0.01	1.6	<0.1	<0.05	5
1227363	Soil			20	0.28	212	0.027	<1	1.17	0.021	0.09	0.1	<0.01	1.2	0.1	0.06	4
1227364	Soil			17	0.31	229	0.030	<1	1.23	0.015	0.06	<0.1	<0.01	1.2	<0.1	<0.05	5
1227365	Soil			30	0.50	321	0.040	<1	2.05	0.011	0.08	<0.1	<0.01	2.1	<0.1	<0.05	6
1227366	Soil			31	0.48	159	0.062	<1	1.94	0.013	0.06	<0.1	<0.01	2.0	<0.1	<0.05	6
1227367	Soil			57	0.68	341	0.053	<1	1.90	0.017	0.05	<0.1	0.01	4.1	<0.1	<0.05	6
1227368	Soil			36	0.47	285	0.056	<1	1.59	0.021	0.04	<0.1	0.02	2.9	<0.1	<0.05	5
1227369	Soil			13	0.16	266	0.023	<1	1.16	0.016	0.08	0.1	0.01	1.0	<0.1	<0.05	4
1227370	Soil			17	0.27	392	0.033	<1	0.95	0.012	0.11	0.3	0.02	2.3	<0.1	<0.05	3
1227371	Soil			17	0.27	417	0.034	<1	0.97	0.013	0.12	0.2	0.03	2.6	<0.1	<0.05	3
1227372	Soil			106	1.63	136	0.086	<1	1.96	0.008	0.04	0.1	<0.01	3.6	<0.1	<0.05	6
1227373	Soil			129	1.96	90	0.079	<1	2.08	0.005	0.03	<0.1	<0.01	3.7	<0.1	<0.05	5
1227374	Soil			38	0.59	198	0.093	<1	1.76	0.017	0.05	0.1	0.03	4.4	<0.1	<0.05	5
1227375	Soil			28	0.47	200	0.074	<1	1.41	0.021	0.05	0.1	0.03	3.7	<0.1	<0.05	4
1227376	Soil			26	0.44	215	0.064	<1	1.30	0.021	0.05	0.2	0.03	3.4	<0.1	<0.05	4
1227377	Soil			34	0.58	295	0.065	<1	1.76	0.020	0.08	0.1	0.03	3.9	<0.1	0.10	5
1227378	Soil			35	0.59	270	0.071	<1	1.75	0.022	0.09	0.1	0.03	4.1	<0.1	0.08	5
1227379	Soil			25	0.42	213	0.049	<1	1.13	0.017	0.05	0.1	0.02	2.6	<0.1	0.06	3
1227380	Soil			26	0.42	247	0.041	<1	1.20	0.018	0.05	0.1	0.03	2.9	<0.1	0.06	3
1227381	Soil			29	0.45	334	0.028	<1	1.38	0.019	0.06	0.1	0.06	2.5	<0.1	0.16	4
1227382	Soil			28	0.34	425	0.028	<1	1.20	0.017	0.04	0.1	0.07	3.0	<0.1	0.22	3
1227383	Soil			23	0.40	162	0.056	<1	1.07	0.018	0.04	0.1	0.01	2.4	<0.1	<0.05	3
1227384	Soil			27	0.48	227	0.064	<1	1.30	0.020	0.05	0.1	0.02	3.0	<0.1	<0.05	4
1227385	Soil			20	0.36	129	0.047	<1	0.82	0.013	0.05	0.1	<0.01	1.8	<0.1	<0.05	2
1227386	Soil			19	0.36	116	0.052	<1	0.78	0.013	0.04	0.1	<0.01	1.7	<0.1	<0.05	2
1227387	Soil			29	0.51	217	0.070	<1	1.32	0.022	0.06	0.1	0.02	3.2	<0.1	<0.05	4



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Report Date: November 28, 2011

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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
1227388	Soil	1.1	24.8	11.9	58	0.2	21.0	10.1	376	2.15	6.9	11.7	6.2	50	0.2	0.5	0.2	49	0.53	0.057
1227389	Soil	0.9	30.6	11.1	56	0.2	22.6	9.8	406	2.17	7.3	2.4	4.5	49	0.3	0.4	0.2	48	0.52	0.059
1227390	Soil	1.0	17.8	9.3	45	<0.1	15.9	7.2	250	1.98	7.6	2.1	5.0	44	0.2	0.3	0.2	47	0.44	0.055
1227391	Soil	0.8	21.8	12.5	41	0.1	15.4	6.3	221	1.80	5.2	2.4	6.4	40	0.1	0.4	0.3	44	0.41	0.037
1227392	Soil	1.1	30.2	13.7	55	0.2	21.7	8.5	295	2.23	7.1	2.7	7.6	45	0.2	0.4	0.3	48	0.44	0.051
1227393	Soil	1.8	23.1	11.9	52	0.1	21.0	11.1	404	2.69	10.4	2.3	6.6	41	0.2	0.4	0.2	49	0.42	0.056
1227394	Soil	1.3	18.5	11.5	47	<0.1	17.1	7.8	237	1.76	7.5	21.8	7.1	37	0.2	0.3	0.2	37	0.35	0.049
1227395	Soil	0.7	22.4	13.2	50	<0.1	15.4	7.3	238	1.76	4.9	3.6	9.0	37	0.2	0.4	0.3	44	0.36	0.035
1227396	Soil	0.9	14.9	9.9	34	<0.1	11.3	6.9	284	1.54	4.3	2.1	7.5	30	0.2	0.3	0.2	31	0.28	0.035
1227397	Soil	0.6	20.1	11.7	41	<0.1	14.3	6.5	253	1.79	6.3	11.1	7.8	32	0.2	0.4	0.2	42	0.33	0.038
1227398	Soil	1.0	20.6	12.1	47	0.1	16.3	7.1	239	2.13	6.6	2.0	8.2	36	0.3	0.4	0.3	45	0.38	0.038
1227399	Soil	3.0	20.3	11.6	41	<0.1	14.6	7.6	521	2.58	14.8	1.0	7.8	35	0.1	0.4	0.3	44	0.34	0.047
1227400	Soil	1.1	23.9	12.6	49	0.1	19.5	9.0	384	2.06	6.7	5.3	7.0	40	0.1	0.4	0.3	48	0.42	0.048



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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
				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
1227388	Soil			28	0.51	217	0.079	2	1.41	0.030	0.07	0.2	0.03	3.4	<0.1	<0.05	4
1227389	Soil			27	0.48	237	0.065	1	1.46	0.026	0.06	0.1	0.04	3.5	<0.1	<0.05	4
1227390	Soil			22	0.42	160	0.063	1	1.21	0.018	0.05	<0.1	0.03	2.5	<0.1	<0.05	4
1227391	Soil			24	0.40	253	0.062	<1	1.42	0.017	0.05	0.1	0.03	3.2	<0.1	<0.05	4
1227392	Soil			29	0.50	261	0.066	1	1.51	0.019	0.06	0.1	0.03	3.6	<0.1	<0.05	4
1227393	Soil			29	0.51	227	0.068	2	1.40	0.020	0.06	0.2	0.04	3.4	<0.1	<0.05	4
1227394	Soil			22	0.42	166	0.056	<1	1.07	0.018	0.06	0.1	0.02	2.4	<0.1	<0.05	3
1227395	Soil			24	0.40	224	0.073	1	1.38	0.019	0.08	0.1	0.03	3.3	<0.1	<0.05	4
1227396	Soil			16	0.29	163	0.053	<1	0.94	0.013	0.06	0.1	0.03	2.1	<0.1	<0.05	3
1227397	Soil			21	0.37	186	0.063	<1	1.20	0.018	0.06	0.2	0.03	2.8	<0.1	<0.05	4
1227398	Soil			23	0.39	211	0.074	<1	1.26	0.019	0.07	0.1	0.02	3.3	<0.1	<0.05	4
1227399	Soil			21	0.34	187	0.048	<1	1.04	0.017	0.06	0.1	0.02	2.5	<0.1	<0.05	3
1227400	Soil			26	0.46	210	0.068	<1	1.36	0.021	0.07	0.1	0.03	3.3	<0.1	<0.05	4



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QUALITY CONTROL REPORT

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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	0.1	2	0.01	0.001
Pulp Duplicates																					
1226356	Soil	0.9	41.9	23.4	46	0.1	18.1	9.7	258	2.46	7.0	1.0	6.4	28	0.2	0.2	0.5	42	0.46	0.040	26
REP 1226356	QC	1.0	44.7	23.9	50	0.2	18.7	10.0	271	2.54	7.4	2.3	6.5	29	0.2	0.2	0.5	43	0.45	0.042	26
1226372	Soil	0.9	37.6	280.0	89	0.3	11.5	4.8	106	2.21	10.8	3.2	5.1	22	0.4	0.6	0.3	38	0.29	0.031	16
REP 1226372	QC	0.8	33.6	246.7	79	0.2	10.3	4.5	96	2.00	9.6	2.1	4.7	20	0.3	0.5	0.2	35	0.28	0.028	15
1228251	Soil	0.4	6.6	7.8	16	<0.1	4.0	2.1	82	0.95	1.8	<0.5	1.2	11	0.3	<0.1	0.1	31	0.11	0.012	8
REP 1228251	QC	0.5	6.8	8.1	17	<0.1	4.1	2.1	85	0.94	1.9	<0.5	1.2	12	0.3	<0.1	0.1	30	0.11	0.011	8
1228266	Soil	1.3	28.0	13.8	69	0.4	23.6	9.4	256	2.56	5.4	<0.5	4.3	25	0.3	0.3	0.2	62	0.24	0.027	15
REP 1228266	QC	1.4	28.6	13.4	71	0.5	24.7	9.7	263	2.57	6.0	0.6	4.4	27	0.2	0.3	0.2	64	0.25	0.025	16
1228275	Soil	1.9	14.9	10.1	77	0.1	18.8	9.1	548	3.52	8.3	0.8	1.4	12	0.2	0.4	0.2	76	0.15	0.094	6
REP 1228275	QC	1.7	14.0	9.4	74	0.1	17.8	9.1	525	3.38	7.7	1.8	1.4	12	0.3	0.4	0.2	75	0.14	0.088	6
1228293	Soil	1.1	25.8	10.8	72	0.3	26.2	11.4	928	2.53	7.1	<0.5	4.0	31	0.3	0.4	0.2	62	0.42	0.035	11
REP 1228293	QC	1.2	27.4	11.0	75	0.4	27.1	12.0	986	2.59	7.3	1.3	4.0	31	0.2	0.4	0.2	64	0.43	0.035	11
1226435	Soil	1.6	11.7	10.3	41	0.1	11.2	6.5	482	2.48	3.8	1.0	3.0	16	0.1	0.3	0.2	59	0.18	0.022	10
REP 1226435	QC	1.7	11.7	10.4	41	0.1	11.0	6.5	488	2.48	4.1	<0.5	3.0	15	0.2	0.4	0.2	58	0.17	0.022	9
1228402	Soil	0.4	37.9	11.3	45	<0.1	22.8	9.5	362	2.35	6.9	3.1	7.0	51	0.1	0.5	0.3	55	0.71	0.043	20
REP 1228402	QC	0.4	37.0	11.5	45	<0.1	23.0	9.2	346	2.36	7.0	1.9	7.1	54	0.1	0.5	0.3	55	0.73	0.046	20
1227356	Soil	0.9	31.9	13.2	52	0.1	30.2	13.2	290	2.84	9.7	4.0	7.1	15	0.1	0.6	0.1	65	0.14	0.021	10
REP 1227356	QC	1.0	32.9	13.4	54	0.1	30.4	13.6	296	3.00	9.9	3.9	7.3	16	<0.1	0.5	0.1	68	0.14	0.022	11
1227371	Soil	1.0	34.5	20.7	27	0.1	14.3	6.3	308	1.45	3.8	2.3	13.8	50	0.1	0.5	0.3	29	0.75	0.034	43
REP 1227371	QC	1.0	34.8	20.8	27	0.1	15.0	6.2	306	1.44	3.8	2.2	13.6	51	0.2	0.5	0.3	29	0.75	0.035	44
1227397	Soil	0.6	20.1	11.7	41	<0.1	14.3	6.5	253	1.79	6.3	11.1	7.8	32	0.2	0.4	0.2	42	0.33	0.038	21
REP 1227397	QC	0.7	20.2	11.6	42	<0.1	15.0	6.6	263	1.83	6.1	2.7	7.8	34	0.1	0.3	0.3	43	0.34	0.039	22
Reference Materials																					
STD DS8	Standard	13.7	111.0	128.1	308	1.8	37.0	7.6	632	2.47	24.9	115.6	6.9	72	2.5	5.5	6.7	43	0.73	0.079	17
STD DS8	Standard	14.1	108.0	125.7	311	1.8	36.8	7.6	627	2.47	26.0	114.5	7.7	77	2.5	5.8	7.3	44	0.75	0.076	19
STD DS8	Standard	13.3	112.6	123.9	303	1.8	39.4	7.9	600	2.49	26.8	96.9	6.8	63	2.4	5.4	6.6	44	0.70	0.078	15
STD DS8	Standard	13.3	108.4	121.2	298	1.6	37.3	7.2	598	2.42	25.4	108.2	6.7	60	2.1	5.5	6.1	42	0.70	0.074	15
STD DS8	Standard	12.3	95.7	108.6	273	1.8	32.8	6.5	521	2.15	23.3	102.0	5.9	55	2.0	4.4	5.5	38	0.58	0.068	14



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QUALITY CONTROL REPORT

WHI11001428.1

	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	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
Pulp Duplicates																				
1226356	Soil				31	0.96	108	0.022	<1	1.49	0.009	0.04	<0.1	0.03	4.8	<0.1	<0.05	5	0.6	<0.2
REP 1226356	QC				32	0.96	108	0.023	<1	1.47	0.009	0.05	<0.1	0.03	4.9	<0.1	<0.05	5	0.6	<0.2
1226372	Soil				17	0.32	166	0.042	<1	1.23	0.012	0.08	0.1	0.05	2.7	<0.1	<0.05	4	0.7	<0.2
REP 1226372	QC				16	0.30	156	0.038	<1	1.13	0.011	0.07	0.1	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1228251	Soil				8	0.11	138	0.034	<1	0.73	0.015	0.04	<0.1	<0.01	0.8	<0.1	0.10	4	<0.5	<0.2
REP 1228251	QC				9	0.11	134	0.035	2	0.75	0.021	0.04	<0.1	<0.01	0.9	<0.1	0.11	4	<0.5	<0.2
1228266	Soil				31	0.48	306	0.053	1	1.96	0.012	0.05	<0.1	0.01	2.8	<0.1	<0.05	5	0.5	<0.2
REP 1228266	QC				30	0.46	316	0.066	2	1.98	0.021	0.06	<0.1	0.02	2.9	0.1	<0.05	6	0.7	<0.2
1228275	Soil				34	0.39	138	0.068	<1	2.08	0.011	0.05	<0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
REP 1228275	QC				33	0.38	140	0.066	<1	2.02	0.009	0.04	0.1	0.02	2.1	<0.1	<0.05	7	<0.5	<0.2
1228293	Soil				34	0.50	306	0.054	<1	1.78	0.015	0.10	<0.1	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
REP 1228293	QC				38	0.49	318	0.055	<1	1.76	0.016	0.10	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
1226435	Soil				22	0.48	172	0.041	1	1.74	0.014	0.08	<0.1	0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
REP 1226435	QC				22	0.47	176	0.052	<1	1.70	0.011	0.07	0.1	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
1228402	Soil				28	0.51	212	0.099	2	1.70	0.039	0.10	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
REP 1228402	QC				29	0.52	216	0.106	2	1.72	0.043	0.11	0.1	0.04	4.3	<0.1	<0.05	5	<0.5	<0.2
1227356	Soil				49	0.66	195	0.093	<1	2.80	0.012	0.07	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
REP 1227356	QC				52	0.68	198	0.099	<1	2.95	0.012	0.07	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1227371	Soil				17	0.27	417	0.034	<1	0.97	0.013	0.12	0.2	0.03	2.6	<0.1	<0.05	3	0.9	<0.2
REP 1227371	QC				18	0.28	410	0.036	<1	1.00	0.013	0.12	0.3	0.03	2.6	<0.1	<0.05	3	0.5	<0.2
1227397	Soil				21	0.37	186	0.063	<1	1.20	0.018	0.06	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1227397	QC				22	0.38	193	0.068	1	1.27	0.018	0.06	0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																				
STD DS8	Standard				115	0.61	286	0.126	2	0.96	0.108	0.44	3.2	0.19	2.9	5.4	0.15	5	5.4	5.3
STD DS8	Standard				119	0.62	292	0.128	3	1.04	0.106	0.44	3.1	0.20	2.9	5.4	0.14	5	5.2	5.0
STD DS8	Standard				121	0.60	274	0.128	3	0.91	0.097	0.42	2.8	0.21	3.4	5.3	0.13	5	5.1	5.0
STD DS8	Standard				116	0.61	265	0.112	3	0.95	0.088	0.38	2.8	0.21	2.1	5.2	0.21	5	5.0	4.9
STD DS8	Standard				102	0.54	254	0.096	2	0.82	0.081	0.38	2.7	0.19	2.5	5.1	0.14	4	5.1	4.4



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Project: MC

Report Date: November 28, 2011

Page: 2 of 2 **Part** 1

QUALITY CONTROL REPORT

WHI11001428.1

		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
STD DS8	Standard	12.1	107.0	125.8	289	1.7	35.4	7.2	584	2.27	25.3	106.4	6.5	68	2.1	5.6	6.4	40	0.64	0.076
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: MC
Report Date: November 28, 2011

Page: 2 of 2 **Part** 2

QUALITY CONTROL REPORT

WHI11001428.1

		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
STD DS8	Standard	110	0.58	262	0.110	2	0.90	0.108	0.41	2.9	0.20	1.9	5.3	0.15	4	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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
BLK	Blank	<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

Appendix IV: Rock Sample Assay Certificates

Note: Certificate WHI11001591.1 contains results from another Goldspike Exploration property (Ladue East, separate report). Samples from the Ladue Property (this report) are as follows:

1222851
1224368
1224369
1224370
1224374
1224375
1224376
1224377
1224378
1224379
1224380
1224381
1224382
1224383
1224384
1224385
1224386
1224387



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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: September 13, 2011
Report Date: November 09, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001591.1

CLIENT JOB INFORMATION

Project: MC + RF
Shipment ID: MCRFRX(1-2)
P.O. Number
Number of Samples: 30

SAMPLE DISPOSAL

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

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: Goldspike Exploration Inc.
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Canada

CC: Daniel Ferraro
Robert Middleton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	30	Crush, split and pulverize 250 g rock to 200 mesh			SMI
3B	30	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	30	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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

MC + RF

Report Date:

November 09, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001591.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
1222851	Rock	0.81	<2	7.3	42.1	8.5	53	0.3	15.7	1.4	153	2.38	8.9	1.6	3.5	12	<0.1	0.2	0.2	47
1222852	Rock	1.72	<2	7.4	55.9	8.7	122	1.1	38.1	1.9	45	2.01	1.5	<0.5	2.8	28	<0.1	0.2	0.1	36
1222853	Rock	0.62	<2	0.3	16.4	9.7	4	<0.1	1.0	0.7	62	0.62	0.6	<0.5	14.0	23	<0.1	<0.1	<0.1	2
1222854	Rock	0.48	<2	40.3	27.1	153.9	4	2.4	2.6	1.6	183	3.14	<0.5	0.7	9.1	62	0.1	<0.1	11.3	3
1222855	Rock	0.54	<2	0.7	8.7	6.0	8	<0.1	1.6	1.1	52	0.61	<0.5	<0.5	18.3	106	<0.1	<0.1	0.4	3
1222856	Rock	0.63	16	0.6	10.5	11.4	3	<0.1	2.0	1.3	98	0.51	0.9	155.0	8.3	25	<0.1	<0.1	0.2	4
1222857	Rock	0.78	<2	0.9	51.8	1.9	89	<0.1	43.7	6.2	222	2.29	78.9	<0.5	1.6	16	<0.1	<0.1	<0.1	8
1222858	Rock	0.76	<2	6.3	9.5	14.6	4	<0.1	0.8	0.4	33	0.52	34.6	<0.5	16.9	3	<0.1	0.2	0.1	<2
1222859	Rock	0.81	528	4.8	10.3	17.3	10	0.1	1.7	0.5	41	1.25	109.8	478.6	17.8	5	<0.1	0.3	0.1	3
1222860	Rock	1.11	<2	0.3	58.5	36.4	13	0.2	1.5	2.4	285	0.66	3.9	<0.5	6.3	21	<0.1	<0.1	0.3	6
1224368	Rock	1.34	6	4.2	3.8	29.2	2	2.7	3.6	3.8	86	2.55	5.6	8.2	2.2	6	<0.1	<0.1	9.1	<2
1224369	Rock	2.16	17	1.5	1.9	9.4	2	0.4	1.3	1.4	63	0.81	1.7	1.6	4.8	6	<0.1	<0.1	1.4	<2
1224370	Rock	1.14	4	4.2	55.6	3.8	20	0.7	7.3	0.9	41	1.19	36.9	4.1	0.2	18	<0.1	1.5	0.2	39
1224371	Rock	1.32	<2	0.3	7.4	9.1	10	0.1	5.4	1.2	104	0.56	<0.5	<0.5	0.5	3	<0.1	0.2	<0.1	3
1224372	Rock	1.56	<2	0.8	25.5	11.2	74	0.2	30.5	6.6	137	2.77	<0.5	1.1	7.5	9	<0.1	0.1	<0.1	22
1224373	Rock	1.79	<2	0.2	5.4	4.4	16	<0.1	5.3	1.6	52	0.49	0.8	<0.5	1.1	2	<0.1	<0.1	<0.1	4
1224374	Rock	0.97	<2	1.1	13.1	17.6	23	<0.1	5.2	2.8	233	1.26	4.5	0.7	20.4	40	<0.1	<0.1	0.2	5
1224375	Rock	0.82	<2	1.1	5.4	21.5	26	<0.1	5.9	3.6	252	1.19	2.1	<0.5	15.7	44	<0.1	<0.1	0.3	5
1224376	Rock	1.09	<2	0.7	30.0	4.6	22	<0.1	11.6	4.7	436	0.58	5.9	0.6	0.3	3	<0.1	0.3	<0.1	3
1224377	Rock	1.02	<2	0.4	1.0	12.1	2	0.2	0.7	0.5	54	0.30	0.8	<0.5	1.0	8	<0.1	<0.1	0.3	<2
1224378	Rock	0.99	<2	1.0	2.4	8.2	4	0.4	0.4	1.0	172	0.42	1.2	<0.5	20.3	32	<0.1	<0.1	2.2	<2
1224379	Rock	0.79	<2	0.6	7.3	12.6	3	0.3	0.3	0.4	206	0.23	<0.5	<0.5	15.3	53	<0.1	<0.1	1.2	<2
1224380	Rock	0.47	<2	0.4	4.7	2.5	6	<0.1	2.6	1.6	212	0.50	1.7	<0.5	0.9	46	<0.1	0.1	0.1	<2
1224381	Rock	0.87	<2	<0.1	41.8	2.4	16	<0.1	16.2	6.9	1043	1.09	<0.5	<0.5	0.2	118	0.1	<0.1	<0.1	15
1224382	Rock	1.12	2	0.7	48.3	5.3	54	<0.1	151.1	36.0	1331	4.83	1.4	1.8	8.3	256	0.1	<0.1	<0.1	179
1224383	Rock	1.18	<2	2.5	75.3	21.0	167	0.4	50.0	7.2	344	2.36	12.8	<0.5	2.9	101	0.4	0.1	0.2	85
1224384	Rock	1.12	<2	0.3	42.1	2.9	62	0.3	21.7	8.2	3828	2.71	4.8	5.2	2.2	6	0.2	0.1	0.2	19
1224385	Rock	0.67	4	0.8	15.1	1.8	68	<0.1	44.6	15.4	1490	0.78	2.0	<0.5	0.8	5	1.4	<0.1	<0.1	12
1224386	Rock	0.79	35	0.7	11.4	2.5	23	<0.1	10.7	2.1	106	1.09	3.4	<0.5	1.8	14	<0.1	0.1	<0.1	15
1224387	Rock	0.92	6	9.7	70.3	6.1	88	0.8	34.4	4.7	260	2.63	3.9	<0.5	4.7	60	<0.1	0.7	0.2	104

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



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Report Date:

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Part 2

CERTIFICATE OF ANALYSIS

WHI11001591.1

	Method	Analyte	Unit	MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX			
					P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
					%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
					0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1222851	Rock		0.092	13	23	0.46	178	0.003	<20	0.91	0.003	0.18	0.1	<0.01	<0.1	<0.05	1.3	4.2	3	<0.2		
1222852	Rock		0.092	16	20	0.09	172	0.003	<20	0.46	0.014	0.18	0.2	0.01	0.1	0.10	1.0	3.2	2	<0.2		
1222853	Rock		0.008	3	3	0.01	65	0.001	<20	0.19	0.063	0.16	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2		
1222854	Rock		0.013	5	5	0.01	1393	0.009	<20	0.19	0.054	0.14	<0.1	<0.01	<0.1	0.08	0.5	1.1	1	0.8		
1222855	Rock		0.012	26	4	0.05	78	0.032	<20	0.31	0.082	0.11	0.1	<0.01	<0.1	<0.05	0.7	<0.5	2	<0.2		
1222856	Rock		0.010	8	3	0.01	119	0.001	<20	0.25	0.064	0.21	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	1	<0.2		
1222857	Rock		0.032	4	17	0.03	118	<0.001	<20	0.22	0.004	0.11	<0.1	<0.01	<0.1	0.07	0.6	0.7	<1	<0.2		
1222858	Rock		0.006	24	1	0.01	94	0.001	<20	0.28	0.044	0.23	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	1	<0.2		
1222859	Rock		0.006	16	4	0.02	84	<0.001	<20	0.23	0.013	0.27	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	1	<0.2		
1222860	Rock		0.009	13	2	0.04	75	0.002	<20	0.28	0.073	0.13	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	1	<0.2		
1224368	Rock		0.003	4	15	<0.01	52	<0.001	<20	0.11	0.010	0.14	<0.1	<0.01	<0.1	1.49	0.2	1.8	<1	0.5		
1224369	Roc		0.003	11	2	<0.01	69	<0.001	<20	0.14	0.012	0.16	<0.1	<0.01	<0.1	0.27	0.1	<0.5	<1	<0.2		
1224370	Rock		0.031	1	23	0.02	437	<0.001	<20	0.08	0.003	0.02	<0.1	<0.01	<0.1	<0.05	0.3	5.6	1	<0.2		
1224371	Rock		0.036	2	4	0.11	19	0.017	<20	0.16	0.004	0.03	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2		
1224372	Rock		0.072	17	26	1.08	164	0.064	<20	1.40	0.010	0.33	<0.1	<0.01	0.2	<0.05	1.6	0.6	4	<0.2		
1224373	Rock		0.007	2	<1	0.13	27	0.007	<20	0.21	0.004	0.06	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2		
1224374	Rock		0.027	45	7	0.20	44	0.002	<20	0.58	0.030	0.25	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	4	<0.2		
1224375	Rock		0.031	38	5	0.24	63	0.026	<20	0.73	0.026	0.30	<0.1	<0.01	0.1	<0.05	1.0	<0.5	4	<0.2		
1224376	Rock		0.006	2	15	0.07	92	0.001	<20	0.20	0.002	0.05	<0.1	<0.01	<0.1	<0.05	0.4	0.7	<1	<0.2		
1224377	Rock		0.002	2	1	0.02	78	<0.001	<20	0.22	0.030	0.21	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2		
1224378	Rock		0.008	42	3	0.04	63	0.001	<20	0.24	0.041	0.20	<0.1	<0.01	<0.1	0.15	0.4	<0.5	1	1.0		
1224379	Rock		0.003	27	<1	0.02	97	<0.001	<20	0.25	0.024	0.26	<0.1	<0.01	<0.1	0.06	0.2	<0.5	<1	<0.2		
1224380	Rock		0.002	2	12	0.11	13	0.002	<20	0.12	0.004	0.02	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2		
1224381	Rock		0.017	<1	21	0.75	11	0.029	<20	0.64	0.012	0.03	<0.1	<0.01	<0.1	0.07	1.6	<0.5	2	<0.2		
1224382	Rock		0.154	18	304	3.79	381	0.288	<20	3.40	0.107	0.77	0.2	<0.01	0.7	0.20	14.4	<0.5	11	<0.2		
1224383	Rock		0.056	12	46	1.12	81	0.005	<20	1.36	<0.001	0.08	<0.1	<0.01	<0.1	0.09	3.3	1.1	6	<0.2		
1224384	Rock		0.024	6	16	0.68	45	0.030	<20	1.11	<0.001	0.04	0.3	<0.01	<0.1	0.30	2.5	0.7	3	<0.2		
1224385	Rock		0.009	7	7	0.32	125	0.002	<20	0.50	0.002	0.07	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	2	<0.2		
1224386	Rock		0.013	12	17	0.12	60	0.001	<20	0.32	0.003	0.09	<0.1	<0.01	<0.1	<0.05	0.5	0.6	1	<0.2		
1224387	Rock		0.182	21	49	0.58	366	0.002	<20	1.18	0.003	0.21	<0.1	<0.01	0.1	0.10	1.7	5.7	5	<0.2		

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



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Project: MC + RF
Report Date: November 09, 2011

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QUALITY CONTROL REPORT

WHI11001591.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1224377	Rock	1.02	<2	0.4	1.0	12.1	2	0.2	0.7	0.5	54	0.30	0.8	<0.5	1.0	8	<0.1	<0.1	0.3	<2	0.27
REP 1224377	QC			0.4	1.1	12.8	2	0.2	0.9	0.6	57	0.30	0.8	<0.5	1.0	8	0.3	0.3	0.4	<2	0.28
Core Reject Duplicates																					
1222857	Rock	0.78	<2	0.9	51.8	1.9	89	<0.1	43.7	6.2	222	2.29	78.9	<0.5	1.6	16	<0.1	<0.1	<0.1	8	0.01
DUP 1222857	QC		<2	1.2	50.7	1.1	87	<0.1	43.0	6.5	233	2.35	76.2	0.6	1.4	16	<0.1	<0.1	<0.1	7	0.01
Reference Materials																					
STD DS8	Standard			12.9	104.0	124.8	300	1.7	35.8	6.9	577	2.30	23.0	106.2	6.0	58	2.1	4.2	4.7	41	0.65
STD OREAS45CA	Standard			0.7	537.7	22.9	69	0.3	265.8	97.8	995	16.73	4.1	52.0	7.8	17	0.1	<0.1	0.2	211	0.45
STD OXC88	Standard		191																		
STD OXC88	Standard		197																		
STD OXH82	Standard		1286																		
STD OXH82	Standard		1264																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank		<2	0.1	3.8	19.0	55	<0.1	2.5	3.9	566	1.89	<0.5	<0.5	6.3	61	0.1	<0.1	0.3	38	0.52
G1	Prep Blank		<2	0.3	3.5	3.1	48	<0.1	4.0	4.2	590	2.13	0.6	<0.5	5.9	61	<0.1	<0.1	0.1	43	0.62



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QUALITY CONTROL REPORT

WHI11001591.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
Pulp Duplicates																			
1224377	Rock		0.002	2	1	0.02	78	<0.001	<20	0.22	0.030	0.21	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1
REP 1224377	QC		0.002	2	2	0.02	80	<0.001	<20	0.22	0.030	0.21	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1
Core Reject Duplicates																			
1222857	Rock		0.032	4	17	0.03	118	<0.001	<20	0.22	0.004	0.11	<0.1	<0.01	<0.1	0.07	0.6	0.7	<1
DUP 1222857	QC		0.030	4	12	0.03	114	<0.001	<20	0.20	0.003	0.11	<0.1	<0.01	<0.1	0.07	0.6	0.7	<1
Reference Materials																			
STD DS8	Standard		0.070	13	106	0.57	266	0.097	<20	0.85	0.081	0.40	2.3	0.17	5.4	0.16	1.8	5.0	5
STD OREAS45CA	Standard		0.038	18	761	0.16	173	0.106	<20	3.87	0.005	0.08	<0.1	0.03	0.1	<0.05	41.1	0.7	21
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD DS8 Expected			0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7
STD OREAS45CA Expected			0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4
STD OXC88 Expected																			
STD OXH82 Expected																			
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1	Prep Blank		0.069	13	3	0.48	145	0.119	<20	0.93	0.092	0.47	<0.1	<0.01	0.4	<0.05	2.0	<0.5	5
G1	Prep Blank		0.075	14	7	0.60	172	0.128	<20	1.03	0.100	0.55	<0.1	<0.01	0.4	<0.05	2.0	<0.5	5