ASSESSMENT REPORT

2011 GEOCHEMICAL PROGRAM

on the

Ladue East Property

Dawson Mining District, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: 'RF' 1-26 (YD14261 - YD14286)
NTS Mapsheet: 115N07
UTM Coordinates: E511000, N7038000 (NAD83, Zone 7)
Owner: Goldspike Exploration Inc.
Author: D. Ferraro, HBSc.
Dates worked performed: September 9th, 2011 to September 10th, 2011

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1.0 SUMMARY

A 2 day geochemical sampling program was conducted on the Ladue East Property from September 9th, 2011 to September 10th, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 26 contiguous quartz claims located in the Dawson Mining District.

The Ladue East Property is situated adjacent to the North Ladue River, approximately 94 km southwest of Dawson City. Although there are bush trails in the area, the property is best accessed 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 though 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 4 km to the west of the property. A 1x1 km magnetic high is mapped 2.5 km west of the property which could translate to a small buried intrusion.

A total of 152 soil samples, 2 silt samples and 12 rock samples were taken over the duration of the program. Few samples returned anomalous gold results, the highest being 43 ppb Au. Copper, zinc and arsenic plots show elevated levels on the north and south ends of the property. Prospecting yielded a 0.5 g/t Au rock sample of silicified float of questionable origin and well as 155 ppb Au from a sample of intrusive float.

The Ladue East 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 results, the gold values in rock float and results of Goldspike's adjacent Ladue Property are enough to warrant a one day follow-up program of prospecting and limited 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 East 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 East Property is situated in the North Ladue River area, approximately 94 km southwest of Dawson City, and only 10km from the Alaskan border (Figure 1). Although there are bush trails and roads in the 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 East Property (modified from NRCAN, 2006).

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Ladue East Property is situated in Klondike Plateau, about 3 km east of the North Ladue River. Topographically, the North Ladue River valley lies at about 1700 ft elevation. The property covers an unnamed tributary of the river and a peak of 3500 ft elevation. Most peaks in the area are smooth and partially vegetated.

Vegetation consists of black spruce and other evergreen trees on the slopes and poplar at the higher elevations. Bedrock exposure is quite limited across the property except for the main ridge which has sporadic exposure over one kilometer.

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 from the Property.

5.0 PROPERTY DESCRIPTION

The Ladue East Property consists of 26 contiguous quartz claims in the Dawson Mining District. The 26 'RF' 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 East Property is as follows:

Table 1: Claims comprising the Ladue East Property.

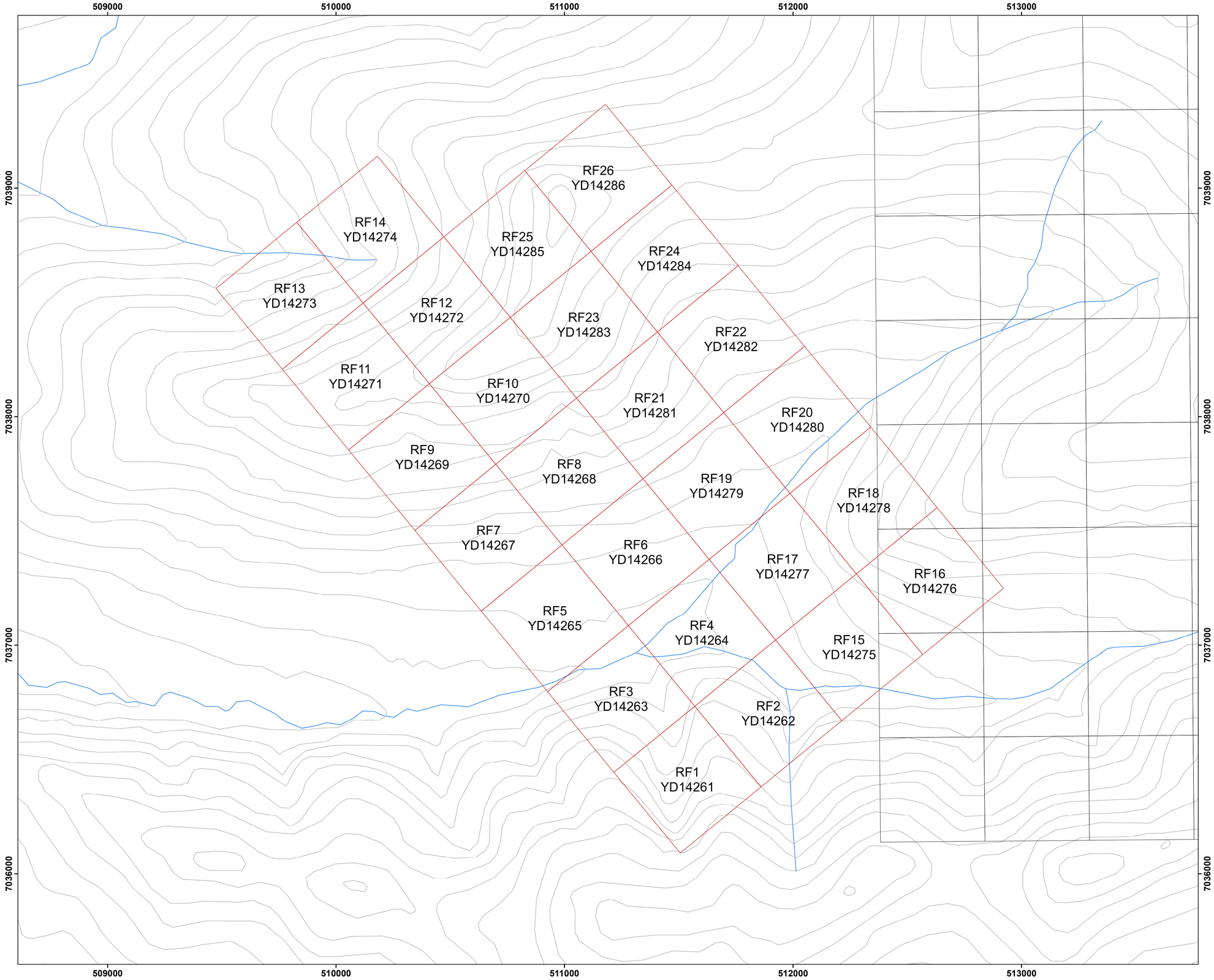
Claim Name	Claim Number	Grant Number	Claim Owner	(%)	Claim Expiry Date	Status
RF	1	YD14261	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	2	YD14262	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	3	YD14263	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	4	YD14264	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	5	YD14265	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	6	YD14266	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	7	YD14267	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	8	YD14268	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	9	YD14269	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	10	YD14270	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	11	YD14271	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	12	YD14272	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	13	YD14273	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	14	YD14274	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	15	YD14275	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	16	YD14276	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	17	YD14277	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	18	YD14278	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	19	YD14279	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	20	YD14280	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	21	YD14281	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	22	YD14282	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	23	YD14283	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	24	YD14284	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	25	YD14285	Goldspike Exploration Inc.	100	01/03/2017	*Pending*
RF	26	YD14286	Goldspike Exploration Inc.	100	01/03/2017	*Pending*

Ladue East Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District



Legend

- 'RF' claims
- Yukon quartz claims

N

1:8,000

600 300 0 600 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 East 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). Currently, the property is adjacent to the 'Ladue' claims held by Kaminak Gold Corp.

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 though 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 East 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 150 to 170 degrees and dip ranges from 25 to 60 degrees to the south. One outcrop was found to be more quartzite in composition and dipped very shallowly to the SSE. Quartz veining is very common throughout this unit, observed as smaller, 5cm boudins and swells, as well as one notable 2.5m thick vein. Fine pyrite mineralization occurs in the smaller quartz veins within the schist. Float of a well oxidized, intrusive porphyry unit was also recovered from the property.

A large, 5x10 km unit of Late-Cretaceous felsic volcanics is mapped to the west of the property. This was observed in one outcrop on Goldspike's Ladue Property as dark grey felsic to intermediate volcanic with quartz-calcite veinlets.

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).

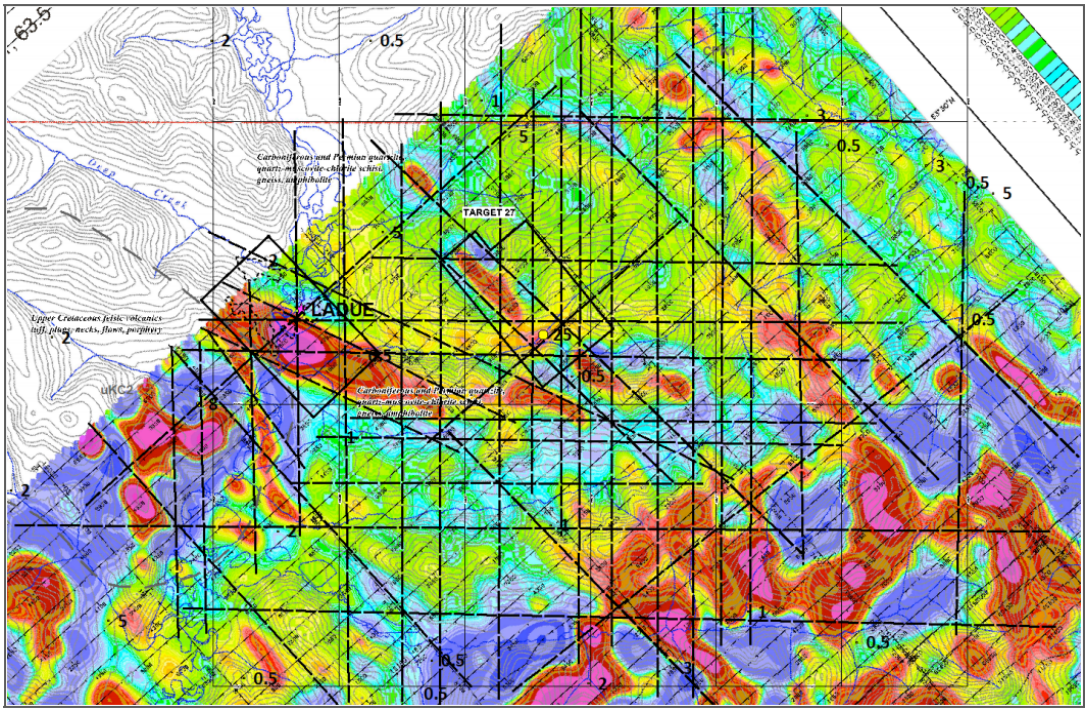


Fig. 3: 1VD magnetic interpretation of the Ladue region. A magnetic high is located on the MC claim block, approximately 3 km west of the Ladue East Property (Bremner, 2010).

Ladue East Property

Fig. 4: Bedrock Geology Map

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Alaska

Deep Creek
Deep Creek
Deep Creek
North Ladue River
North Ladue River
Deep Creek
Matson Creek
Matson Creek

Ladue Property
(Goldspike)

Ladue East
Property
CPK

uKC

Legend

Bedrock Geology

Lithology

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

N

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 East Property from September 9th, 2011 to September 10th, 2011. Flying out of Dawson City, a crew of 4 soil samplers, one prospector and one geologist collected 152 soil samples, 2 silt samples and 12 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.

Silt samples were taken in major creeks and tributaries. A low energy zone of the stream was located and a collapsible shovel, pan, or hand was used to collect a sample. Sample locations were marked with a GPS unit and flagged with the sample number. Sample conditions, environment and attributes were recorded in a field notebook. Silt sample descriptions can be found in Appendix II.

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 III.

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

The soil sampling program conducted on the Ladue East Property yielded few geochemical gold anomalies (Figure 6). Four of the 152 samples taken assayed over 10 ppb Au, the highest being 43.3 ppb Au. Arsenic is slightly elevated in these samples as well as being concordant with base metals. Copper and zinc show similar geochemical signatures with elevated values on the north and south ends of the property (Figures 7 and 8). Bismuth shows an opposite geochemical signature. One silt sample on the lower end of a tributary running from the property to the North Ladue River assayed 10 ppb Au, which is a slightly anomalous value for the area.

Twelve rock samples were taken from the property. Although samples from the chlorite/mica schist bedrock did not return positive values, a particularly silicified and oxidized piece of float with minor pyrite mineralization from the property assayed over 500 ppb Au (Sample 1222859, Photo 2). Float from an intrusive unit also showed positive results, assaying 155 ppb Au (Sample 1222856). Sample 1222884, a sample of silicified quartzite (?) float returned 40.3 ppm Mo, a fairly anomalous value for the area.



Photo 2: Silicified quartzite or intrusive float with minor pyrite mineralization assayed >500 ppb Au (sample 1222859).

Ladue East Property

Fig. 5: Sample Location Map

Goldspike Exploration Inc.

North Ladue River area,
Dawson Mining District

Legend

- Soil samples
- Rock samples
- Silt samples
- Ladue East Property

1:8,000

600 300 0 600 Meters

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

Ladue East Property

Fig. 6: Sample Geochemistry - Gold

Goldspike Exploration Inc.

North Ladue River area, Dawson Mining District

509000 510000 511000 512000 513000

7039000 7038000 7037000 7036000

478.6 155 <0.5 0.7 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 1.1 <0.5 2.6 25 10 0.5

Legend

- Rock samples (ppb Au)
- Silt samples (ppb Au)

Soil samples

Au (ppb)

- 0.0 - 10.0
- 10.1 - 20.0
- 20.1 - 30.0
- 30.1 - 43.3

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
- Ladue East Property

1:8,000

N

600 300 0 600 Meters

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

Ladue East Property

Fig. 7: Sample Geochemistry - Copper

Goldspike Exploration Inc.

North Ladue River area, Dawson Mining District

509000 510000 511000 512000 513000

7039000 7038000 7037000 7036000

55.9 10.3 10.5 16.4 58.5 9.5 51.8 8.7 27.1 7.4 5.4 25.5 10.1 7 16.7 19

Legend

- Rock samples (ppm Cu)
- Silt samples (ppm Cu)

Soil samples

Cu (ppm)

- 3.7 - 20.0
- 20.1 - 30.0
- 30.1 - 50.0
- 50.1 - 69.2

Regional stream geochemistry

Cu (ppm)

- 0.0000 - 24.7000
- 24.7001 - 52.3000
- 52.3001 - 106.0000
- 106.0001 - 250.0000
- 250.0001 - 1220.0000
- Ladue East Property

1:8,000

N

600 300 0 600 Meters

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

Ladue East Property

Fig. 8: Sample Geochemistry - Zinc

Goldspike Exploration Inc.

North Ladue River area, Dawson Mining District

Legend

- Rock samples (ppm Zn)
- Silt samples (ppm Zn)

Soil samples

Zn (ppm)

- 6.0 - 40.0
- 40.1 - 75.0
- 75.1 - 120.0
- 120.1 - 211.0

Regional stream geochemistry

Zn (ppm)

- 0.0 - 189.0
- 189.1 - 586.0
- 586.1 - 1520.0
- 1520.1 - 3290.0
- 3290.1 - 12000.0
- Ladue East Property

1:8,000

600 300 0 600 Meters

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

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Ladue East 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 many gold in soil results. Four of the 152 samples taken assayed over 10 ppb Au, the highest being 43 ppb Au. Copper, zinc and arsenic are related, showing elevated levels on the north ridge and south edge towards the tributary valley. Bismuth appears to have an inverse relationship.

Prospecting yielded in favourable gold results in two samples, however both are float. While the samples are angular and not till, they do not appear to be immediately local to the outcrop ridge on which they were found.

Further prospecting in the area may lead to the source of the float and limited soil sampling NE and SW of the 43 ppb Au anomaly may uncover a trend. Goldspike's adjacent Ladue Property also returned limited favourable results. It is recommended that a one day follow-up program be conducted in which both properties are worked.

REFERENCES

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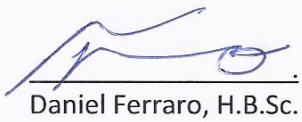
STATEMENT OF EXPENDITURES

LADUE EAST 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	4.2		$ 3,927.00
HELICOPTER FUEL	1	$ 350.00	3.5		$ 1,225.00
SOIL SAMPLES	152	$ 18.00	1		$ 2,736.00
SILT SAMPLES	2	$ 18.00	1		$ 36.00
ROCK SAMPLES	12	$ 24.00	1		$ 288.00
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	**$ 16,542.00**

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 a 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				
1226387	510974	7038902	1080	9-Sep-11	RF	20-30	c	light grey	10	15				75	talus	moist	buck brush	ridge top
1226388	510968	7038847	1072	9-Sep-11	RF	30-40	c	dark brown	5	5				90	weaathered bedrock	moist	buck brush	mid slope
1226389	510967	7038796	1068	9-Sep-11	RF	30-40	c	dark brown	5	10				85	weaathered bedrock	moist	buck brush	ridge top
1226390	510957	7038744	1065	9-Sep-11	RF	30-40	c	dark brown	20					80	weaathered bedrock	moist	deciduous	ridge top
1226391	510954	7038697	1057	9-Sep-11	RF	20-30	c	light brown	40					60	weaathered bedrock	moist	deciduous	ridge top
1226392	510942	7038651	1057	9-Sep-11	RF	30-40	c	light brown	5	5				90	weaathered bedrock	dry	deciduous	ridge top
1226393	510945	7038596	1047	9-Sep-11	RF	30-40	c	light grey	5	20				75	weaathered bedrock	dry	deciduous	ridge top
1226394	510926	7038552	1045	9-Sep-11	RF	30-40	c	light brown	5	5				90	weaathered bedrock	moist	deciduous	ridge top
1226395	510897	7038508	1050	9-Sep-11	RF	30-40	c	light brown		15				85	weaathered bedrock	moist	deciduous	ridge top
1226396	510867	7038470	1050	9-Sep-11	RF	20-30	c	light brown	5	10				85	weaathered bedrock	dry	deciduous	ridge top
1226397	510835	7038431	1049	9-Sep-11	RF	40-50	c	light grey		10				90	weaathered bedrock	dry	deciduous	ridge top
1226398	510804	7038389	1044	9-Sep-11	RF	30-40	c	dark brown	10	5				85	weaathered bedrock	dry	deciduous	ridge top
1226399	510767	7038361	1037	9-Sep-11	RF	20-30	c	light brown		10				90	weaathered bedrock	dry	deciduous	ridge top
1226400	510724	7038339	1038	9-Sep-11	RF	20-30	b/c	light brown	10	20	30			40	weaathered bedrock	dry	deciduous	ridge top
1226401	510685	7038312	1036	9-Sep-11	RF	40-50	c	olive grey	5	5				90	weaathered bedrock	moist	deciduous	ridge top
1226402	510634	7038291	1038	9-Sep-11	RF	40-50	c	yellow orange		10				90	weaathered bedrock	moist	buck brush	ridge top
1226403	510592	7038262	1038	9-Sep-11	RF	20-30	c	dark brown		10				90	weaathered bedrock	dry	deciduous	ridge top
1226404	510542	7038242	1031	9-Sep-11	RF	20-30	c	dark brown	10	10				80	weaathered bedrock	dry	deciduous	ridge top
1226405	510514	7038218	1024	9-Sep-11	RF	30-40	c	light brown		15				85	weaathered bedrock	moist	deciduous	ridge top
1226406	510457	7038195	1008	9-Sep-11	RF	30-40	c	light brown		10				90	weaathered bedrock	moist	deciduous	ridge top
1226407	510415	7038182	993	9-Sep-11	RF	20-30	c	yellow orange		40		20		40	weaathered bedrock	dry	deciduous	ridge top
1226408	510367	7038158	976	9-Sep-11	RF	30-40	c	yellow orange		10				90	weaathered bedrock	moist	deciduous	ridge top
1226409	510317	7038152	971	9-Sep-11	RF	30-40	c	dark brown		15				85	weaathered bedrock	moist	deciduous	ridge top
1226410	510269	7038135	965	9-Sep-11	RF	20-30	c	yellow orange	10	10				80	weaathered bedrock	dry	deciduous	ridge top
1226411	510224	7038117	962	9-Sep-11	RF	20-30	c	yellow orange	10	5				85	weaathered bedrock	dry	deciduous	ridge top
1226412	510174	7038101	956	9-Sep-11	RF	30-40	c	yellow orange	10	5				85	weaathered bedrock	dry	deciduous	ridge top
1226413	510124	7038085	957	9-Sep-11	RF	30-40	c	yellow orange	5	5				90	weaathered bedrock	dry	deciduous	ridge top
1226414	510078	7038071	954	9-Sep-11	RF	20-30	c	light grey	10	5				85	weaathered bedrock	dry	deciduous	ridge top
1226415	510031	7038061	954	9-Sep-11	RF	30-40	c	yellow orange	10					90	weaathered bedrock	dry	deciduous	ridge top
1226416	509982	7038051	947	9-Sep-11	RF	40-50	c	white		10	10	20	20	40	weaathered bedrock	dry	deciduous	ridge top
1226417	509935	7038049	941	9-Sep-11	RF	30-40	c	yellow orange		10		10	10	70	weaathered bedrock	dry	deciduous	ridge top
1226418	509888	7038052	937	9-Sep-11	RF	30-40	c	yellow orange		10			10	80	weaathered bedrock	dry	deciduous	ridge top
1226419	509833	7038061	935	9-Sep-11	RF	40-50	c	light brown	5	10		10		75	weaathered bedrock	dry	deciduous	ridge top
1226420	509787	7038069	942	9-Sep-11	RF	40-50	c	yellow orange		10		10		80	weaathered bedrock	dry	deciduous	ridge top
1226421	509742	7038078	931	9-Sep-11	RF	30-40	c	yellow orange	5					95	weaathered bedrock	dry	deciduous	ridge top
1226422	509689	7038085	920	9-Sep-11	RF	40-50	c	dark grey		20	10	20		50	weaathered bedrock	dry	deciduous	ridge top
1226423	509642	7038092	913	9-Sep-11	RF	30-40	c	light brown		10		5		85	weaathered bedrock	dry	deciduous	ridge top
1226424	509590	7038094	909	9-Sep-11	RF	40-50	c	light brown	5	10				85	weaathered bedrock	dry	deciduous	ridge top
1226425	509540	7038093	904	9-Sep-11	RF	40-50	c	yellow orange	5	10				85	weaathered bedrock	dry	deciduous	ridge top
1226426	509491	7038091	898	9-Sep-11	RF	30-40	c	yellow orange	15	10				75	weaathered bedrock	dry	deciduous	ridge top
1227851	512111	7037219	724	10-Sep-11	RF	30-40	c	light grey	5	5		30		60	weathered bedrock	moist	evergreen	mid slope
1227852	512062	7037199	718	10-Sep-11	RF	30-40	c	light grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1227853	512021	7037179	711	10-Sep-11	RF	40-50	c	light grey	5	5				90	weathered bedrock	moist	evergreen	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				
1227854	511978	7037157	706	10-Sep-11	RF	40-50	c	light grey	10					90	weathered bedrock	moist	evergreen	mid slope
1227855	511924	7037141	701	10-Sep-11	RF	50-60	c	light grey		10				90	weathered bedrock	moist	evergreen	mid slope
1227856	511876	7037121	695	10-Sep-11	RF	40-50	c	light grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1227857	511832	7037096	691	10-Sep-11	RF	50-60	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1227858	511791	7037082	692	10-Sep-11	RF	50-60	c	light grey						100	weathered bedrock	moist	evergreen	mid slope
1227859	511743	7037068	683	10-Sep-11	RF	40-50	c	dark grey	10					100	weathered bedrock	moist	evergreen	mid slope
1227860	511695	7037061	683	10-Sep-11	RF	50-60	c	light grey	5					95	weathered bedrock	moist	evergreen	mid slope
1227861	511646	7037049	683	10-Sep-11	RF	40-50	c	dark grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1227862	511592	7037037	679	10-Sep-11	RF	40-50	c	light brown	20					80	weathered bedrock	moist	evergreen	valley bottom
1227863	511541	7037027	682	10-Sep-11	RF	40-50	c	light grey	10			30		60	weathered bedrock	moist	evergreen	valley bottom
1227864	511497	7037015	674	10-Sep-11	RF	30-40	c	light grey	5			25		70	weathered bedrock	moist	evergreen	valley bottom
1227865	511445	7037003	675	10-Sep-11	RF	40-50	c	light grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1227866	511409	7036982	671	10-Sep-11	RF	30-40	c	light grey	10			20		70	weathered bedrock	moist	evergreen	valley bottom
1228305	510998	7038954	1063	9-Sep-11	RF	40-50	b/c	light brown	10	10	10	30	10	30	weathered bedrock	dry	deciduous	ridge top
1228306	511042	7038970	1049	9-Sep-11	RF	40-50	b/c	light brown	10	10	10	30	10	30	weathered bedrock	dry	deciduous	ridge top
1228307	511097	7038964	1045	9-Sep-11	RF	30-40	c	light grey	10	10	10	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228308	511152	7038966	1038	9-Sep-11	RF	30-40	b/c	light brown		10	10	30	10	40	weathered bedrock	dry	buck brush	ridge top
1228309	511205	7038972	1033	9-Sep-11	RF	30-40	b/c	light brown		10	10	30	10	40	weathered bedrock	dry	buck brush	ridge top
1228310	511247	7038976	1027	9-Sep-11	RF	30-40	c	light brown	10	10	10	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228311	511301	7038985	1016	9-Sep-11	RF	30-40	b/c	light brown	10	10	10	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228312	511346	7038985	1010	9-Sep-11	RF	40-50	b/c	light brown	10	10	10	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228313	511397	7039011	1005	9-Sep-11	RF	30-40	b/c	light brown	10	5	15	30	5	35	weathered bedrock	dry	buck brush	ridge top
1228314	511446	7039030	1003	9-Sep-11	RF	30-40	b/c	light brown		10	15	30	5	30	weathered bedrock	dry	buck brush	ridge top
1228315	511495	7039021	1000	9-Sep-11	RF	30-40	b/c	light brown	10	15	15	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228316	511550	7039050	1003	9-Sep-11	RF	30-40	b/c	light brown	5	15	10	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228317	511584	7039056	1005	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	ridge top
1228318	511639	7039079	1009	9-Sep-11	RF	40-50	b/c	light brown	5	15	10	30	10	30	weathered bedrock	dry	buck brush	ridge top
1228319	511685	7039090	1015	9-Sep-11	RF	30-40	b/c	light brown		10	10	30	10	40	weathered bedrock	dry	buck brush	ridge top
1228320	511726	7039087	1019	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	ridge top
1228321	511783	7039071	1021	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	ridge top
1228322	511795	7039017	1011	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	ridge top
1228323	511814	7038978	1002	9-Sep-11	RF	30-40	b/c	light brown	5	10	15	30	5	35	weathered bedrock	dry	buck brush	ridge top
1228324	511853	7038942	990	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	ridge top
1228325	511885	7038895	976	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	moist	buck brush	mid slope
1228326	511896	7038854	967	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	mid slope
1228327	511905	7038805	956	9-Sep-11	RF	40-50	b/c	light brown	5	15	15	30	5	30	weathered bedrock	dry	buck brush	mid slope
1228328	511934	7038754	941	9-Sep-11	RF	30-40	b/c	light brown	5	10	10	40	5	30	weathered bedrock	dry	deciduous	mid slope
1228329	511925	7038710	935	9-Sep-11	RF	30-40	b/c	light brown	5	10	10	30	15	30	weathered bedrock	dry	deciduous	mid slope
1228330	511940	7038661	916	9-Sep-11	RF	30-40	b/c	light brown	5	10	10	35	5	35	weathered bedrock	dry	deciduous	mid slope
1228331	511954	7038616	902	9-Sep-11	RF	30-40	b/c	light brown	5	10	10	35	5	35	weathered bedrock	dry	deciduous	mid slope
1228332	511971	7038558	885	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	35	5	25	weathered bedrock	dry	deciduous	mid slope
1228333	511986	7038511	866	9-Sep-11	RF	30-40	b/c	light brown	5	15	15	35	5	35	weathered bedrock	dry	deciduous	mid slope
1228334	511983	7038458	850	9-Sep-11	RF	30-40	b/c	light brown	5	10	20	30	5	30	weathered bedrock	dry	deciduous	mid slope
1228335	511947	7038400	836	9-Sep-11	RF	30-40	b/c	light brown	5	10	15	35	5	30	weathered bedrock	dry	deciduous	mid slope
1228336	511923	7038355	823	9-Sep-11	RF	30-40	b/c	light brown	5	10	15	30	5	35	weathered bedrock	dry	deciduous	mid slope
1228337	511911	7038261	801	9-Sep-11	RF	30-40	b/c	light brown	5	10	15	30	5	35	weathered bedrock	dry	deciduous	mid slope
1228338	511920	7038153	780	9-Sep-11	RF	30-40	c	light brown	5	10	15	20	30	20	loess - organic	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				
1228339	511904	7038059	768	9-Sep-11	RF	30-40	b/c	light brown	5	10	15	20	20	30	loess - organic	moist	deciduous	mid slope
1228340	511884	7037955	753	9-Sep-11	RF	30-40	c	light brown	5	20	15	10	30	20	loess - organic	moist	deciduous	mid slope
1228341	511847	7037865	740	9-Sep-11	RF	40-50	c	light brown	5	5	5	35	30	20	loess - organic	moist	deciduous	mid slope
1228342	511832	7037772	727	9-Sep-11	RF	30-40	c	light brown	5	5	5	35	30	20	loess - organic	moist	deciduous	mid slope
1228343	511766	7037686	718	9-Sep-11	RF	50-60	c	light brown	5	5	5	25	25	35	loess - organic	moist	deciduous	mid slope
1228344	511715	7037602	706	9-Sep-11	RF	40-50	c	light brown	5	15	10	15	25	30	loess - organic	moist	deciduous	mid slope
1228345	511651	7037517	699	9-Sep-11	RF	30-40	c	dark grey		5	20	25	25	25	loess - organic	moist	deciduous	mid slope
1228346	511620	7037321	678	9-Sep-11	RF	50-60	c	dark grey		5			45	50	loess - organic	moist	evergreen	mid slope
1228347	511490	7037139	662	9-Sep-11	RF	40-50	b/c	dark grey	5			30	5	60	loess - organic	moist	deciduous	valley bottom
1228348	511429	7037103	658	9-Sep-11	RF	30-40	b/c	dark grey		10	10	10	20	60	loess - organic	moist	marsh	valley bottom
1228349	511363	7037058	0	9-Sep-11	RF	50-60	c	dark grey	5		5	20	10	60	loess - organic	moist	marsh	valley bottom
1228350	511410	7037065	653	9-Sep-11	RF	50-60	b/c	dark grey	10			20	10	60	loess - organic	moist	marsh	valley bottom
1228951	510909	7038417	1037	9-Sep-11	RF	30-40	c	light brown	10	15				75	weathered bedrock	moist	deciduous	mid slope
1228952	510948	7038387	1035	9-Sep-11	RF	20-30	c	light brown	5	10				85	weathered bedrock	moist	deciduous	mid slope
1228953	510991	7038363	1014	9-Sep-11	RF	40-50	c	light brown	15	5				80	weathered bedrock	moist	deciduous	mid slope
1228954	511034	7038350	998	9-Sep-11	RF	20-30	c	light brown	5	25				70	weathered bedrock	moist	deciduous	mid slope
1228955	511089	7038325	970	9-Sep-11	RF	30-40	c	light brown	5	10				85	weathered bedrock	moist	deciduous	mid slope
1228956	511130	7038300	957	9-Sep-11	RF	40-50	c	light brown	5	5				90	weathered bedrock	moist	deciduous	mid slope
1228957	511174	7038281	941	9-Sep-11	RF	40-50	c	light brown	5	20				75	weathered bedrock	moist	deciduous	mid slope
1228958	511208	7038247	925	9-Sep-11	RF	20-30	c	light brown	5	15				80	weathered bedrock	moist	deciduous	mid slope
1228959	511240	7038210	908	9-Sep-11	RF	30-40	c	light brown	10	5				85	weathered bedrock	moist	deciduous	mid slope
1228960	511278	7038178	893	9-Sep-11	RF	30-40	c	light brown	5	15		20		60	weathered bedrock	moist	deciduous	mid slope
1228961	511315	7038142	878	9-Sep-11	RF	40-50	c	light grey		20		10		70	weathered bedrock	moist	deciduous	mid slope
1228962	511343	7038095	863	9-Sep-11	RF	30-40	c	light brown							weathered bedrock	moist	deciduous	mid slope
1228963	511348	7038050	855	9-Sep-11	RF	30-40	c	light brown	15	5				80	weathered bedrock	moist	deciduous	mid slope
1228964	511369	7038006	840	9-Sep-11	RF	20-30	c	light brown	15	10		10		65	weathered bedrock	moist	deciduous	mid slope
1228965	511376	7037954	829	9-Sep-11	RF	30-40	c	light brown	15			15		70	weathered bedrock	moist	deciduous	mid slope
1228966	511355	7037911	824	9-Sep-11	RF	30-40	c	light grey	5	5		10		80	weathered bedrock	moist	deciduous	mid slope
1228967	511334	7037864	817	9-Sep-11	RF	40-50	c	light grey	5	5				90	weathered bedrock	moist	deciduous	mid slope
1228968	511314	7037824	806	9-Sep-11	RF	30-40	c	light brown	10	15				75	weathered bedrock	moist	deciduous	mid slope
1228969	511283	7037783	797	9-Sep-11	RF	30-40	c	light grey	10	10				80	weathered bedrock	moist	deciduous	mid slope
1228970	511262	7037744	787	9-Sep-11	RF	30-40	c	light brown	5	10		10		75	weathered bedrock	moist	deciduous	mid slope
1228971	511237	7037700	776	9-Sep-11	RF	30-40	c	light brown	5	15		10		70	weathered bedrock	moist	deciduous	mid slope
1228972	511209	7037659	764	9-Sep-11	RF	30-40	c	light grey	5	10		20		65	weathered bedrock	moist	deciduous	mid slope
1228973	511183	7037607	748	9-Sep-11	RF	20-30	c	light grey	10	5		30		55	weathered bedrock	moist	deciduous	mid slope
1228974	511153	7037569	738	9-Sep-11	RF	30-40	c	light grey	5	5		10		80	weathered bedrock	moist	deciduous	mid slope
1228975	511127	7037528	730	9-Sep-11	RF	20-30	c		5	5		30		60	weathered bedrock	moist	deciduous	mid slope
1228976	511103	7037480	725	9-Sep-11	RF	30-40	c	light brown	5	5				90	weathered bedrock	moist	deciduous	mid slope
1228977	511053	7037404	715	9-Sep-11	RF	20-30	c	light brown	10	5		10		75	weathered bedrock	moist	evergreen	valley bottom
1228978	511044	7037342	705	9-Sep-11	RF	30-40	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	valley bottom
1228979	511034	7037300	699	9-Sep-11	RF	40-50	c	light grey	5	5				90	weathered bedrock	moist	evergreen	valley bottom
1228980	511028	7037252	691	9-Sep-11	RF	40-50	c	dark grey	10	10				80	weathered bedrock	moist	evergreen	valley bottom
1228981	511020	7037195	682	9-Sep-11	RF	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	valley bottom
1228982	510999	7037145	675	9-Sep-11	RF	20-30	c	dark brown	10	5				85	weathered bedrock	moist	evergreen	valley bottom
1228983	510992	7037092	669	9-Sep-11	RF	30-40	c	greenish grey	10			30		60	weathered bedrock	moist	evergreen	valley bottom
1228984	510990	7037058	667	9-Sep-11	RF	30-40	c	light grey	10			30		60	weathered bedrock	moist	evergreen	valley bottom
1228985	510966	7036944	649	9-Sep-11	RF	40-50	c	light grey	5			55		40	weathered bedrock	moist	evergreen	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				
1228986	510955	7036908	641	9-Sep-11	RF	30-40	c	light brown	10			40		50	weathered bedrock	moist	evergreen	valley bottom
1228987	510940	7036882	633	9-Sep-11	RF	40-50	c	light grey	10			50		40	weathered bedrock	moist	evergreen	valley bottom
1228988	512656	7037571	903	10-Sep-11	RF	20-30	c	light brown	10	5		10		75	weathered bedrock	moist	deciduous	ridge top
1228989	512612	7037545	901	10-Sep-11	RF	30-40	c	light brown	10			10		80	weathered bedrock	moist	deciduous	ridge top
1228990	512571	7037515	884	10-Sep-11	RF	30-40	c	light brown	5			10		85	weathered bedrock	moist	deciduous	mid slope
1228991	512525	7037485	874	10-Sep-11	RF	20-30	c	light brown	10			50		40	weathered bedrock	moist	deciduous	mid slope
1228992	512489	7037465	860	10-Sep-11	RF	30-40	c	light brown	10			30		60	weathered bedrock	moist	deciduous	mid slope
1228993	512447	7037439	842	10-Sep-11	RF	30-40	c	light brown	10			10		80	weathered bedrock	moist	deciduous	mid slope
1228994	512406	7037410	833	10-Sep-11	RF	30-40	c	light brown	5			20		75	weathered bedrock	moist	deciduous	mid slope
1228995	512363	7037379	804	10-Sep-11	RF	40-50	c	light brown	5	5		20		70	weathered bedrock	moist	deciduous	mid slope
1228996	512321	7037355	792	10-Sep-11	RF	30-40	c	light brown	5			20		75	weathered bedrock	moist	deciduous	mid slope
1228997	512282	7037325	777	10-Sep-11	RF	40-50	c	light brown	5	5				90	weathered bedrock	moist	deciduous	mid slope
1228998	512238	7037294	765	10-Sep-11	RF	30-40	c	light brown	10	10		20		60	weathered bedrock	moist	deciduous	mid slope
1228999	512202	7037263	747	10-Sep-11	RF	20-30	c	light brown	10			30		60	weathered bedrock	moist	deciduous	mid slope
1229000	512149	7037241	736	10-Sep-11	RF	30-40	c	light grey	10			30		60	weathered bedrock	moist	deciduous	mid slope

Appendix II: Silt Sample Descriptions

Silt Sample Descriptions

UTM NAD 83 Zone 7

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Environment	Medium	Medium depth (m)	Medium width (m)	Bank type	Water colour
1222801	511673	7037337	679	9-Sep-11	RF	low energy	creek	0.3	1.3	mossy, steep	clear
1225907	510732	7036792	632	9-Sep-11	RF	low energy	creek	0.2	1.6	grassy, tag alders	clear

Appendix III: 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
1222852	510979	7038956	1073	9-Sep-11	RF	Bedrock. ~7.5cm chip. Along limonitic concordant seams in quartzite OC (in situ). OC is variable foliated/schistose with narrow concordant QVs, crystals along some partings.
1222853	511335	7039027	1013	9-Sep-11	RF	Float. Qtz rich (fresh looking silica) mica schist, rare muscovite gone to chloritic sepa with FePy cubes + elongated blebs, sugary textures. Fine grained.
1222854	511799	7039045	1014	9-Sep-11	RF	Grab , subcrop, felsenmere? Bare top of ridge back. Qtz mica schist. Weathered gold micas. Large QV close by 1.5cm wide concordant fractures w FeO2s marcasite??. MnO2 coatings (weathrerd) sericite qtz schist in vicinity.
1222855	511816	7039068	1018	9-Sep-11	RF	Subcrop grab. Qtz rich - qtz mica schist. Smears of chlorite+chloritic halos. Fe Pys 0.5%.
1222856	511287	7039009	1022	9-Sep-11	RF	Grab-subcrop/felsenmere. Qtz rich qtz mica porphyry, granitic textured. Micas not lineated, fine grained sugary textured groundmass with sub rounded qtz 'remelt phenocrsts' chloritic halos with some micas.
1222857	511021	7038937	1058	10-Sep-11	RF	Float (not from far away). 8cm thick qtz breccia section from within quartzite. Angular, subrounded + fresh (younger QV clasts in breccia). Some micaceous quartzite angular clasts w variable orientations. Limonitic orange and brown FeO2 zones. Weathered.
1222858	511103	7038920	1041	10-Sep-11	RF	Float from shallow hand dug pit. Qtz mica schist. Fine grained/textured. Some zones of sericite alteration. Weathered and rare elongation blebs of FePys and other sulphides? Limonitic smears and weathering.
1222859	511104	7038971	1043	10-Sep-11	RF	Float. Silica/qtz rich HZ from within med grained qtz mica schists. White fine grained sugary textured qtz with elongated rusty coated voids and rare micro vein of dk brown O2. Fe Pys weathering and some sub rounded cubes. Limonitic weathering along fracture planes.
1222860	511259	7038996	1026	10-Sep-11	RF	Float. Qtz-rich and secondary qtz/silicified qtz mica schist. Less than 10% highly crenulated chlorite mica sepa. Extremely weathered/O2. Brown rusty powder-coated discordant voids, weathered out micro FePy cubes.
1224371	510892	7038611	1057	9-Sep-11	RF	Chlorite schist outcrop. Crenulated with small QV and qtz nodules with sulphide pockets (rusted out). One has some bluish quartz or metallics. Sample is mostly quartz material.
1224372	510629	7038270	1038	9-Sep-11	RF	Large 20ft high ridges of flat lying schist dipping slightly SSE. Sample is of a 6cm yellow sulfurous layer that is distinctive within in the shist. 1cm of qtz material within, with rusted out sulphides.
1224373	510522	7038245	1025	9-Sep-11	RF	10-15cm QV in schist bedrock, large for the area. Rusty, 1cm rusted out sulfide pockets. Blue-blk metallics.

Appendix IV: Soil and Silt Sample Assay Certificates

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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 08, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS WHI11001429.1

CLIENT JOB INFORMATION

Project: RF
Shipment ID: RF soils (1-4)
P.O. Number
Number of Samples: 154

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	154	Dry at 60C			WHI
SS80	154	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	154	Saving all or part of Soil Reject			WHI
1DX2	154	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Don Christie
Daithi Mac Gearailt

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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.

Acme Analytical Laboratories (Vancouver) Ltd.
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56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: RF
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS WHI11001429.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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
1228305	Soil	2.5	63.0	16.0	107	0.4	33.8	9.5	182	3.82	6.8	8.1	4.6	29	0.2	0.6	0.4	55	0.12	0.059	23
1228306	Soil	2.1	62.2	15.6	92	0.4	39.7	10.8	386	2.72	28.9	3.6	2.0	35	0.4	0.5	0.2	36	0.26	0.060	19
1228307	Soil	5.0	14.3	32.9	31	<0.1	8.7	3.7	315	1.71	31.8	5.1	9.6	11	0.1	0.4	0.6	38	0.08	0.034	37
1228308	Soil	2.7	14.4	29.0	31	<0.1	10.9	4.8	174	2.20	11.1	2.8	2.9	11	0.2	0.3	0.3	41	0.09	0.038	12
1228309	Soil	1.6	9.5	15.9	18	<0.1	4.3	2.3	157	1.55	9.7	1.7	4.2	4	<0.1	0.3	0.4	39	0.03	0.018	6
1228310	Soil	1.5	11.8	14.5	31	<0.1	11.7	4.6	157	2.69	9.4	3.6	3.3	12	<0.1	0.4	0.2	70	0.09	0.028	10
1228311	Soil	1.0	10.3	11.5	22	<0.1	5.8	2.9	131	1.77	6.1	5.0	4.5	7	<0.1	0.3	0.2	48	0.06	0.018	7
1228312	Soil	1.0	9.1	12.7	17	<0.1	5.5	2.4	103	1.50	5.7	2.6	6.3	9	<0.1	0.3	0.3	39	0.08	0.015	13
1228313	Soil	1.4	15.6	14.1	42	0.2	12.5	7.7	285	2.55	5.8	2.4	6.2	13	<0.1	0.4	0.3	67	0.12	0.025	20
1228314	Soil	1.3	18.0	13.6	50	<0.1	17.5	9.5	515	2.57	6.6	0.9	6.4	17	0.1	0.4	0.2	55	0.14	0.037	11
1228315	Soil	1.6	15.7	20.3	36	0.1	16.5	6.4	271	2.63	7.6	2.6	4.7	23	0.1	0.3	0.4	63	0.27	0.029	14
1228316	Soil	1.5	14.0	14.5	29	<0.1	13.0	5.9	176	2.64	6.6	1.9	4.7	12	<0.1	0.4	0.4	70	0.10	0.023	25
1228317	Soil	1.6	8.6	9.4	10	<0.1	4.1	2.2	141	1.10	4.5	1.0	4.1	4	<0.1	0.3	0.7	46	0.03	0.011	6
1228318	Soil	1.1	14.8	14.1	25	<0.1	13.1	5.6	137	2.52	6.4	1.7	4.7	10	<0.1	0.4	0.2	64	0.10	0.022	18
1228319	Soil	1.3	11.2	13.4	25	0.2	9.8	4.1	159	2.44	6.3	1.6	3.5	8	<0.1	0.4	0.2	64	0.08	0.031	8
1228320	Soil	2.3	3.7	12.1	6	<0.1	3.8	2.7	203	0.71	2.1	1.4	7.6	4	<0.1	0.2	0.2	18	0.03	0.010	5
1228321	Soil	7.4	42.4	6.3	47	<0.1	29.4	15.0	539	2.22	2.0	0.5	2.3	48	<0.1	0.1	0.1	45	0.34	0.138	6
1228322	Soil	1.9	12.0	17.0	34	<0.1	15.7	5.9	402	1.95	5.6	3.3	2.9	12	<0.1	0.3	0.2	53	0.13	0.024	12
1228323	Soil	1.2	14.4	12.6	35	<0.1	17.3	6.5	171	2.62	8.1	2.0	6.0	16	<0.1	0.4	0.2	70	0.16	0.013	18
1228324	Soil	1.8	13.8	19.1	40	0.2	15.4	6.3	296	2.62	7.7	<0.5	5.0	17	0.1	0.4	0.4	65	0.15	0.028	11
1228325	Soil	1.2	15.3	20.8	35	<0.1	17.4	6.3	216	2.22	6.8	1.8	10.2	18	<0.1	0.4	0.3	48	0.17	0.015	17
1228326	Soil	1.3	12.9	19.1	29	0.2	12.1	6.1	282	2.02	5.2	2.2	5.3	19	<0.1	0.3	0.3	57	0.18	0.013	11
1228327	Soil	1.2	16.6	19.3	30	0.2	13.6	7.6	501	1.96	5.1	6.7	10.6	22	<0.1	0.3	0.3	45	0.21	0.019	28
1228328	Soil	1.2	16.0	28.2	34	0.1	13.4	5.4	466	2.05	3.9	7.4	14.0	16	<0.1	0.3	0.2	42	0.18	0.013	33
1228329	Soil	1.2	6.8	15.0	16	<0.1	5.1	2.7	234	1.07	2.3	1.7	7.5	7	<0.1	0.2	0.3	22	0.06	0.013	11
1228330	Soil	1.3	21.2	23.1	45	<0.1	25.3	9.2	331	3.19	9.7	2.9	10.1	16	<0.1	0.4	0.3	72	0.16	0.019	23
1228331	Soil	1.2	7.7	20.1	24	0.1	7.6	4.5	203	1.87	3.8	6.5	7.0	10	<0.1	0.3	0.3	48	0.09	0.015	13
1228332	Soil	1.0	5.4	20.0	16	<0.1	5.4	1.9	187	1.08	2.8	0.5	12.2	9	0.1	0.2	2.6	19	0.08	0.018	10
1228333	Soil	1.0	13.3	16.4	44	<0.1	20.8	8.6	348	2.72	6.1	1.0	5.2	20	<0.1	0.4	0.3	68	0.22	0.016	9
1228334	Soil	0.9	8.6	17.4	27	<0.1	10.4	4.5	151	1.99	6.5	5.1	8.6	9	<0.1	0.3	0.4	46	0.09	0.015	12

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228305	Soil	28	0.43	195	0.041	2	2.05	0.015	0.09	0.1	0.03	2.0	0.1	0.11	5	1.1	<0.2
1228306	Soil	23	0.44	269	0.022	1	1.16	0.015	0.07	<0.1	0.03	2.1	0.1	0.07	3	0.8	<0.2
1228307	Soil	17	0.16	354	0.030	1	0.89	0.007	0.07	0.1	0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
1228308	Soil	20	0.23	205	0.037	1	1.52	0.009	0.05	0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1228309	Soil	11	0.10	56	0.018	<1	0.92	0.005	0.05	<0.1	0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
1228310	Soil	23	0.28	186	0.078	1	1.65	0.011	0.05	0.2	0.02	1.9	<0.1	<0.05	7	<0.5	<0.2
1228311	Soil	12	0.16	95	0.049	<1	0.90	0.006	0.05	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1228312	Soil	12	0.15	158	0.042	<1	0.94	0.007	0.05	0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1228313	Soil	27	0.33	239	0.076	1	1.88	0.015	0.06	0.1	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
1228314	Soil	28	0.49	129	0.057	<1	1.94	0.012	0.09	0.1	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
1228315	Soil	29	0.33	234	0.063	1	1.94	0.015	0.07	0.1	0.02	2.5	0.1	<0.05	7	<0.5	<0.2
1228316	Soil	25	0.28	245	0.069	<1	2.07	0.011	0.05	<0.1	0.01	2.7	0.1	<0.05	8	<0.5	<0.2
1228317	Soil	10	0.08	43	0.054	<1	0.53	0.005	0.03	0.1	<0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
1228318	Soil	26	0.28	138	0.062	<1	1.75	0.011	0.05	<0.1	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
1228319	Soil	20	0.23	87	0.052	<1	1.37	0.011	0.06	<0.1	0.02	1.4	<0.1	<0.05	7	<0.5	<0.2
1228320	Soil	8	0.06	55	0.017	<1	0.50	0.007	0.06	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1228321	Soil	63	1.05	90	0.068	<1	1.42	0.004	0.43	<0.1	<0.01	1.8	0.4	<0.05	4	<0.5	<0.2
1228322	Soil	24	0.30	200	0.049	<1	1.36	0.011	0.07	0.1	0.01	1.8	0.1	<0.05	6	<0.5	<0.2
1228323	Soil	27	0.42	259	0.095	<1	1.72	0.011	0.05	0.1	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
1228324	Soil	27	0.34	226	0.062	<1	1.76	0.012	0.08	0.2	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
1228325	Soil	27	0.38	240	0.064	<1	1.74	0.009	0.09	0.1	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
1228326	Soil	22	0.30	191	0.082	<1	1.29	0.012	0.07	0.1	<0.01	2.0	0.1	<0.05	6	<0.5	<0.2
1228327	Soil	23	0.32	269	0.058	<1	1.35	0.011	0.07	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1228328	Soil	22	0.38	293	0.040	<1	1.57	0.011	0.07	0.1	0.01	2.4	0.1	<0.05	5	<0.5	<0.2
1228329	Soil	10	0.12	82	0.030	<1	0.63	0.010	0.10	<0.1	0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1228330	Soil	37	0.52	458	0.068	<1	2.88	0.012	0.10	0.1	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
1228331	Soil	15	0.20	104	0.044	<1	1.12	0.009	0.09	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1228332	Soil	10	0.11	164	0.013	<1	0.64	0.010	0.13	<0.1	0.01	0.9	<0.1	<0.05	3	<0.5	0.2
1228333	Soil	31	0.43	253	0.071	<1	2.15	0.014	0.07	0.1	0.01	2.4	<0.1	<0.05	7	<0.5	<0.2
1228334	Soil	18	0.24	123	0.046	<1	1.34	0.009	0.10	0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2

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Project: RF
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS WHI11001429.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		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
1228335	Soil	0.7	11.4	25.2	27	<0.1	10.7	4.4	156	1.72	4.0	1.9	11.8	15	<0.1	0.3	0.4	37	0.16	0.011	44
1228336	Soil	0.9	11.4	20.6	31	<0.1	13.6	6.0	278	1.84	4.0	1.7	5.5	20	<0.1	0.2	0.3	44	0.20	0.017	39
1228337	Soil	0.8	14.1	17.1	33	<0.1	12.9	6.3	216	1.77	3.9	3.9	10.5	22	<0.1	0.3	0.3	42	0.25	0.022	27
1228338	Soil	0.9	14.7	15.8	32	<0.1	14.5	5.3	158	1.84	4.5	3.5	8.2	21	<0.1	0.3	0.4	43	0.26	0.029	21
1228339	Soil	0.5	14.2	10.6	33	<0.1	12.7	5.4	156	1.73	4.1	2.2	6.5	22	<0.1	0.3	0.3	43	0.30	0.029	16
1228340	Soil	0.6	14.1	9.8	31	<0.1	12.9	5.8	206	1.73	4.6	5.6	7.3	20	<0.1	0.3	0.2	43	0.25	0.029	19
1228341	Soil	0.8	12.8	12.2	27	<0.1	11.6	6.7	222	1.59	4.7	1.7	6.6	21	<0.1	0.3	0.2	42	0.18	0.019	14
1228342	Soil	0.8	19.5	14.3	36	<0.1	16.1	7.0	213	1.79	5.7	5.8	8.0	24	<0.1	0.4	0.2	45	0.22	0.022	18
1228343	Soil	1.8	29.6	29.7	43	0.2	17.8	8.0	279	2.23	6.9	2.8	10.1	24	0.2	0.4	0.7	48	0.20	0.035	33
1228344	Soil	0.8	15.5	17.6	27	<0.1	11.7	4.3	177	1.37	3.5	3.2	9.6	25	<0.1	0.3	0.5	33	0.24	0.023	21
1228345	Soil	0.8	22.4	24.0	36	<0.1	14.1	6.8	226	1.84	6.1	10.2	16.2	32	0.1	0.5	0.5	39	0.28	0.031	36
1228346	Soil	1.5	33.2	31.0	39	0.2	25.9	10.1	463	2.12	6.1	22.7	15.0	53	0.2	0.6	0.6	48	0.49	0.033	38
1228347	Soil	1.4	21.8	21.7	34	<0.1	16.9	7.4	320	1.66	4.0	11.4	8.8	62	0.1	0.4	0.5	36	0.43	0.042	28
1228348	Soil	1.4	24.3	22.9	33	<0.1	18.5	7.7	357	1.72	4.8	8.8	9.7	45	0.1	0.4	0.6	39	0.42	0.037	31
1228349	Soil	2.1	22.8	22.3	42	0.1	19.5	9.3	514	2.13	7.8	3.1	10.3	45	0.1	0.5	0.6	46	0.46	0.046	30
1228350	Soil	1.5	20.1	20.1	48	0.1	18.0	11.0	778	1.87	4.5	2.1	8.9	56	0.4	0.3	0.5	40	0.50	0.044	41
1228951	Soil	2.7	37.1	20.8	105	0.6	30.2	10.0	498	3.58	26.5	0.9	4.1	17	0.4	0.6	0.2	73	0.07	0.037	14
1228952	Soil	2.4	31.2	14.9	59	1.3	24.2	6.3	379	2.13	4.4	2.9	2.7	16	0.4	0.4	0.2	59	0.12	0.019	9
1228953	Soil	2.6	69.2	12.8	174	0.2	74.5	20.1	1078	3.58	7.5	43.3	5.4	24	0.6	0.6	0.2	68	0.16	0.043	18
1228954	Soil	2.2	36.7	13.0	110	0.3	50.4	7.8	269	2.84	4.2	0.8	3.6	16	0.3	0.4	0.2	50	0.08	0.032	17
1228955	Soil	1.4	32.6	12.4	57	0.8	35.5	10.1	383	2.79	9.2	2.5	3.8	18	0.2	0.6	0.2	64	0.13	0.022	10
1228956	Soil	0.9	36.4	13.0	52	0.2	29.7	10.3	361	2.62	7.9	2.0	4.7	28	0.1	0.6	0.2	60	0.23	0.015	16
1228957	Soil	2.0	10.8	16.5	19	<0.1	6.1	1.8	125	1.07	5.7	<0.5	10.2	8	<0.1	0.3	0.4	22	0.04	0.018	17
1228958	Soil	2.7	11.4	28.8	27	0.1	10.2	4.3	222	1.80	7.8	1.0	9.5	14	<0.1	0.4	0.4	44	0.11	0.023	17
1228959	Soil	2.0	18.6	18.7	36	<0.1	16.2	6.5	713	2.30	9.2	2.6	6.3	9	<0.1	0.6	0.3	52	0.07	0.030	18
1228960	Soil	1.8	26.6	16.5	29	<0.1	12.2	4.6	248	1.59	6.3	0.5	10.0	12	<0.1	0.4	0.4	32	0.07	0.013	16
1228961	Soil	0.6	4.8	8.7	6	<0.1	2.0	0.7	48	0.43	1.3	<0.5	4.5	6	<0.1	<0.1	0.2	8	0.03	0.009	7
1228962	Soil	1.5	12.7	17.7	23	0.1	9.1	3.5	149	1.82	4.9	<0.5	5.5	9	<0.1	0.4	0.3	50	0.07	0.015	11
1228963	Soil	1.5	16.9	25.0	24	0.2	11.7	4.3	155	1.86	5.0	1.6	7.7	9	<0.1	0.4	0.6	44	0.07	0.012	17
1228964	Soil	0.9	7.4	13.6	19	0.2	6.1	3.1	700	1.06	2.3	0.7	2.5	10	<0.1	0.3	0.4	31	0.07	0.016	6

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56th Floor - 100 King Street West
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Project: RF
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS WHI11001429.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228335	Soil	19	0.28	176	0.045	<1	1.27	0.013	0.12	<0.1	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
1228336	Soil	22	0.32	207	0.054	<1	1.25	0.013	0.10	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1228337	Soil	23	0.38	178	0.069	<1	1.15	0.017	0.09	0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1228338	Soil	24	0.36	226	0.070	<1	1.38	0.015	0.06	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1228339	Soil	21	0.37	174	0.076	<1	1.24	0.016	0.05	0.1	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1228340	Soil	23	0.34	159	0.076	<1	1.15	0.015	0.05	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1228341	Soil	22	0.32	136	0.058	<1	0.97	0.013	0.04	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1228342	Soil	28	0.40	190	0.077	<1	1.21	0.017	0.05	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
1228343	Soil	29	0.35	259	0.067	<1	1.62	0.012	0.10	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
1228344	Soil	21	0.32	178	0.066	<1	0.90	0.018	0.07	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1228345	Soil	23	0.33	191	0.065	<1	1.16	0.021	0.11	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1228346	Soil	36	0.36	326	0.063	<1	1.55	0.018	0.10	0.2	0.05	3.9	<0.1	<0.05	4	0.9	<0.2
1228347	Soil	24	0.29	210	0.058	<1	1.21	0.021	0.09	0.1	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
1228348	Soil	27	0.34	224	0.059	<1	1.20	0.022	0.08	0.1	0.03	2.6	<0.1	<0.05	4	0.5	<0.2
1228349	Soil	30	0.41	244	0.064	<1	1.45	0.019	0.10	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1228350	Soil	26	0.37	295	0.058	<1	1.56	0.017	0.08	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1228951	Soil	40	0.52	275	0.054	<1	1.89	0.009	0.07	<0.1	0.03	2.3	<0.1	<0.05	6	0.7	<0.2
1228952	Soil	26	0.31	394	0.074	<1	1.32	0.016	0.04	<0.1	0.03	1.8	<0.1	<0.05	6	0.5	<0.2
1228953	Soil	51	0.78	426	0.085	<1	2.00	0.012	0.06	<0.1	0.03	4.0	<0.1	<0.05	6	0.7	<0.2
1228954	Soil	42	0.71	257	0.075	<1	1.43	0.009	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	0.5	<0.2
1228955	Soil	34	0.48	343	0.059	<1	1.99	0.011	0.04	0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
1228956	Soil	38	0.55	313	0.089	<1	1.72	0.021	0.05	0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1228957	Soil	9	0.10	63	0.019	<1	0.49	0.006	0.08	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1228958	Soil	16	0.25	170	0.039	<1	0.92	0.009	0.08	0.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1228959	Soil	23	0.32	146	0.039	<1	1.42	0.008	0.07	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1228960	Soil	16	0.25	128	0.030	<1	0.93	0.006	0.07	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1228961	Soil	5	0.04	75	0.009	<1	0.35	0.005	0.06	<0.1	0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
1228962	Soil	18	0.22	96	0.058	<1	1.04	0.009	0.06	0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1228963	Soil	19	0.32	165	0.035	<1	1.48	0.009	0.06	0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1228964	Soil	10	0.10	139	0.034	<1	0.65	0.013	0.05	0.2	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2

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Project: RF
Report Date: November 08, 2011

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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
1228965	Soil	1.1	10.0	29.2	26	0.2	11.8	4.9	167	2.16	5.6	0.9	4.0	10	0.1	0.4	0.4	59	0.07	0.016	10
1228966	Soil	0.8	6.6	11.6	11	<0.1	3.5	1.7	67	0.95	2.2	1.1	5.8	8	<0.1	0.2	0.4	28	0.05	0.007	44
1228967	Soil	1.3	11.8	20.8	25	0.2	9.8	4.0	165	1.56	5.0	1.2	7.4	42	<0.1	0.4	1.0	41	0.10	0.007	14
1228968	Soil	1.5	7.7	15.0	11	0.1	5.1	1.9	148	0.91	3.2	<0.5	8.2	14	<0.1	0.2	0.9	22	0.05	0.009	12
1228969	Soil	1.0	6.2	12.9	9	0.2	4.1	1.5	47	0.70	1.9	<0.5	4.6	9	<0.1	0.2	0.8	19	0.05	0.008	8
1228970	Soil	1.2	9.6	18.4	20	0.1	8.5	3.4	131	1.35	3.8	0.8	10.8	19	<0.1	0.3	0.7	34	0.08	0.007	22
1228971	Soil	1.3	4.4	10.3	9	<0.1	3.1	1.3	99	0.78	3.1	<0.5	10.1	85	<0.1	0.2	0.6	15	0.04	0.008	4
1228972	Soil	1.3	10.2	12.5	25	0.1	9.0	6.2	1778	1.35	2.9	1.0	6.4	77	<0.1	0.3	0.3	34	0.86	0.023	11
1228973	Soil	1.8	11.4	19.7	20	0.4	9.1	3.4	184	1.43	5.3	2.1	9.5	30	<0.1	0.3	1.0	36	0.14	0.012	30
1228974	Soil	1.4	9.3	17.5	22	0.1	8.1	3.2	140	1.27	3.5	2.3	9.5	18	<0.1	0.3	0.7	32	0.10	0.010	22
1228975	Soil	1.4	22.5	20.5	32	0.2	12.9	6.1	381	1.84	4.8	1.4	8.1	39	0.2	0.3	0.7	40	0.25	0.032	32
1228976	Soil	1.1	24.4	14.6	49	<0.1	21.0	6.8	241	1.97	11.9	2.7	7.1	28	<0.1	0.4	0.3	41	0.31	0.033	18
1228977	Soil	1.2	25.6	10.5	59	0.2	22.6	8.1	286	2.29	13.7	2.1	3.8	32	<0.1	0.4	0.2	46	0.39	0.041	13
1228978	Soil	1.1	36.6	12.1	63	0.1	26.7	8.6	270	2.49	13.9	3.2	4.4	30	0.1	0.5	0.2	52	0.37	0.046	14
1228979	Soil	1.4	44.2	15.0	70	0.2	32.8	8.0	288	2.57	16.0	6.4	5.1	28	<0.1	0.5	0.2	48	0.32	0.039	17
1228980	Soil	1.4	46.1	12.6	63	0.2	33.7	9.8	421	2.57	14.4	3.2	3.2	37	0.2	0.5	0.2	48	0.43	0.045	17
1228981	Soil	1.3	50.8	18.0	70	0.2	40.1	11.1	534	2.92	23.5	3.7	4.4	34	0.1	0.7	0.2	56	0.48	0.044	16
1228982	Soil	0.9	35.1	11.6	64	<0.1	25.7	10.2	372	2.65	9.0	1.5	4.0	36	0.2	0.6	0.2	58	0.56	0.066	14
1228983	Soil	0.7	34.3	9.8	62	0.1	25.6	9.8	293	2.54	8.3	3.8	4.0	39	0.2	0.6	0.2	58	0.67	0.068	13
1228984	Soil	0.7	30.2	9.1	52	<0.1	22.3	8.7	317	2.36	7.0	3.4	3.5	35	0.1	0.5	0.2	55	0.58	0.067	12
1228985	Soil	0.8	33.1	8.6	65	0.1	25.9	10.6	405	2.56	8.5	3.0	3.6	46	0.3	0.6	0.2	60	0.88	0.075	12
1228986	Soil	0.7	30.9	8.3	56	<0.1	23.2	9.3	382	2.39	6.9	6.2	2.9	50	0.1	0.5	0.2	54	0.95	0.065	12
1228987	Soil	0.7	24.7	7.4	49	<0.1	20.4	8.2	335	2.12	6.5	3.9	3.1	46	0.2	0.4	0.1	53	0.85	0.068	11
1226387	Soil	1.2	18.0	10.8	39	0.2	14.6	8.5	608	2.14	4.1	1.8	2.1	16	0.3	0.3	0.2	47	0.11	0.041	9
1226388	Soil	1.3	15.0	13.2	56	0.5	16.3	7.4	283	2.83	5.7	2.0	3.0	12	0.2	0.5	0.2	79	0.12	0.029	11
1226389	Soil	1.9	20.9	18.2	74	0.4	27.7	8.3	247	3.19	6.4	1.3	2.8	9	0.3	0.6	0.3	69	0.09	0.038	12
1226390	Soil	2.6	42.3	16.1	154	0.5	51.9	13.1	1572	3.80	8.9	1.4	1.5	13	0.5	0.3	0.2	76	0.09	0.083	15
1226391	Soil	2.4	24.1	13.9	148	0.5	18.0	19.6	3992	2.89	7.1	2.7	1.1	13	1.2	0.3	0.2	66	0.13	0.127	9
1226392	Soil	1.4	19.9	13.9	63	0.4	26.9	9.5	261	3.05	10.3	2.7	3.2	19	0.1	0.4	0.2	71	0.18	0.040	10
1226393	Soil	1.4	34.6	17.4	75	<0.1	44.8	12.4	227	3.06	4.5	2.3	4.1	13	0.2	0.3	0.2	46	0.10	0.046	24

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228965	Soil	20	0.25	166	0.070	<1	1.22	0.009	0.07	0.1	0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
1228966	Soil	9	0.07	140	0.040	<1	0.61	0.010	0.05	0.1	<0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
1228967	Soil	18	0.35	134	0.064	<1	1.05	0.010	0.07	0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1228968	Soil	9	0.10	117	0.019	<1	0.46	0.005	0.09	0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1228969	Soil	9	0.07	85	0.031	<1	0.45	0.010	0.07	<0.1	0.02	0.7	<0.1	<0.05	2	<0.5	<0.2
1228970	Soil	16	0.23	171	0.042	<1	0.88	0.008	0.09	0.4	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1228971	Soil	7	0.06	128	0.015	<1	0.44	0.005	0.08	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1228972	Soil	13	0.21	527	0.044	1	0.74	0.017	0.10	<0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1228973	Soil	17	0.28	142	0.047	<1	0.93	0.010	0.11	0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1228974	Soil	17	0.27	113	0.049	<1	0.87	0.008	0.09	0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1228975	Soil	24	0.32	239	0.054	<1	1.44	0.020	0.13	0.1	0.03	2.8	<0.1	<0.05	5	0.5	<0.2
1228976	Soil	29	0.50	227	0.062	<1	1.35	0.015	0.05	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1228977	Soil	30	0.58	252	0.059	1	1.47	0.013	0.05	<0.1	0.04	2.6	<0.1	0.06	4	<0.5	<0.2
1228978	Soil	34	0.62	293	0.075	1	1.49	0.021	0.05	0.1	0.02	3.4	<0.1	0.06	4	0.7	<0.2
1228979	Soil	36	0.67	369	0.066	2	1.56	0.014	0.05	0.1	0.03	3.9	<0.1	0.05	4	<0.5	<0.2
1228980	Soil	35	0.63	421	0.055	1	1.60	0.016	0.05	<0.1	0.04	3.9	<0.1	0.06	4	0.7	<0.2
1228981	Soil	46	0.80	445	0.062	1	1.79	0.017	0.05	0.1	0.04	4.8	<0.1	<0.05	5	0.6	<0.2
1228982	Soil	30	0.60	237	0.084	2	1.48	0.030	0.07	0.2	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
1228983	Soil	29	0.63	222	0.086	2	1.41	0.039	0.07	0.2	0.04	3.8	<0.1	0.05	4	0.6	<0.2
1228984	Soil	28	0.57	205	0.085	2	1.40	0.030	0.07	0.1	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1228985	Soil	28	0.70	215	0.086	3	1.37	0.037	0.08	0.2	0.03	3.7	<0.1	0.05	4	0.9	<0.2
1228986	Soil	27	0.60	224	0.079	2	1.40	0.034	0.06	0.2	0.02	3.6	<0.1	0.07	4	<0.5	<0.2
1228987	Soil	25	0.53	183	0.081	3	1.24	0.029	0.09	0.2	0.02	3.2	<0.1	0.07	4	0.7	<0.2
1226387	Soil	18	0.24	153	0.048	1	1.21	0.016	0.04	<0.1	0.02	1.6	<0.1	0.05	5	0.7	<0.2
1226388	Soil	28	0.33	291	0.070	1	1.74	0.009	0.05	<0.1	0.03	2.9	0.1	<0.05	8	<0.5	<0.2
1226389	Soil	27	0.45	152	0.046	<1	1.59	0.008	0.05	0.1	0.02	1.7	<0.1	<0.05	7	<0.5	<0.2
1226390	Soil	54	0.88	264	0.042	<1	1.91	0.011	0.07	<0.1	0.03	2.8	<0.1	0.06	8	0.7	<0.2
1226391	Soil	28	0.31	277	0.054	<1	1.73	0.011	0.06	0.1	0.04	2.1	0.1	0.06	7	<0.5	<0.2
1226392	Soil	32	0.51	298	0.072	<1	2.00	0.010	0.05	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1226393	Soil	30	0.67	178	0.036	<1	1.49	0.007	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	1.1	<0.2

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Project: RF
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS WHI11001429.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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
1226394	Soil	2.4	57.8	17.8	160	0.5	38.7	12.3	648	3.89	8.2	1.9	2.6	16	0.4	0.7	0.2	75	0.11	0.060	14
1226395	Soil	1.6	32.6	11.7	96	0.4	27.2	11.7	256	3.27	16.5	5.0	3.4	13	0.5	0.5	0.2	72	0.11	0.035	14
1226396	Soil	0.6	14.5	8.8	27	0.2	8.8	3.9	125	1.55	3.8	2.0	0.2	24	0.4	0.2	0.1	38	0.20	0.044	7
1226397	Soil	1.6	23.4	11.7	70	1.1	22.7	9.6	280	3.04	9.6	3.0	2.3	14	0.6	0.5	0.2	76	0.12	0.038	9
1226398	Soil	2.4	64.5	22.8	95	0.5	36.1	9.5	372	3.49	8.6	3.2	3.5	17	0.3	0.5	0.2	69	0.15	0.049	14
1226399	Soil	1.8	35.3	11.2	109	0.4	57.7	12.2	319	3.82	18.5	1.9	3.0	12	0.4	0.5	0.2	85	0.15	0.046	12
1226400	Soil	0.9	31.0	9.8	55	<0.1	31.3	12.0	306	3.10	9.0	2.9	4.5	18	0.2	0.5	0.1	71	0.15	0.020	10
1226401	Soil	0.9	30.9	9.6	55	<0.1	31.4	11.9	304	3.06	8.9	2.8	4.3	18	0.1	0.6	0.2	69	0.15	0.021	10
1226402	Soil	0.8	23.8	8.7	51	<0.1	27.2	11.0	253	2.84	7.2	2.7	3.2	22	0.1	0.5	0.1	60	0.21	0.027	9
1226403	Soil	1.1	18.2	11.1	49	<0.1	22.6	6.8	202	2.44	4.1	1.6	1.9	15	<0.1	0.2	0.1	42	0.09	0.055	8
1226404	Soil	0.9	14.8	9.4	41	<0.1	17.2	6.4	194	2.25	4.5	0.8	2.1	11	<0.1	0.2	0.1	46	0.09	0.025	7
1226405	Soil	2.2	33.5	12.6	211	2.0	40.2	13.4	571	3.38	9.3	1.9	2.8	25	1.2	0.5	0.3	76	0.22	0.092	11
1226406	Soil	5.6	43.0	25.7	119	0.7	30.7	8.6	315	4.04	7.3	2.5	5.9	61	0.5	0.4	0.4	73	0.20	0.089	25
1226407	Soil	3.6	34.2	15.8	67	0.5	21.2	7.4	426	3.09	7.7	1.1	4.2	50	0.3	0.3	0.2	56	0.40	0.064	16
1226408	Soil	2.3	36.8	12.8	85	0.7	27.2	9.1	240	3.34	14.4	4.3	4.6	24	0.4	0.3	0.2	60	0.09	0.042	17
1226409	Soil	3.1	39.9	14.4	135	0.9	49.3	9.7	352	3.67	18.3	1.9	4.2	25	0.3	0.4	0.3	66	0.11	0.040	16
1226410	Soil	1.3	15.7	11.4	61	0.4	19.0	9.2	378	2.89	13.3	1.4	2.1	21	0.3	0.4	0.2	72	0.17	0.038	8
1226411	Soil	0.7	8.7	7.2	33	0.1	8.7	7.4	417	1.98	3.3	1.6	0.9	11	<0.1	0.2	0.1	52	0.13	0.016	4
1226412	Soil	1.0	19.6	12.6	42	0.2	23.5	10.1	285	2.69	6.3	2.4	2.9	25	<0.1	0.4	0.2	76	0.23	0.013	9
1226413	Soil	0.7	27.9	4.6	33	<0.1	36.8	8.7	242	2.48	5.0	2.0	1.0	12	<0.1	0.3	<0.1	58	0.12	0.016	3
1226414	Soil	0.9	10.0	9.0	29	<0.1	13.8	8.3	325	1.98	3.6	1.2	1.4	12	<0.1	0.4	0.2	55	0.12	0.029	6
1226415	Soil	1.0	52.1	7.6	53	0.2	41.4	18.1	708	3.48	6.0	2.9	1.4	19	<0.1	0.4	0.1	74	0.24	0.034	5
1226416	Soil	0.6	21.5	2.4	25	<0.1	26.0	6.8	224	1.36	1.7	0.6	2.0	10	<0.1	0.1	<0.1	26	0.10	0.011	2
1226417	Soil	0.7	19.7	4.1	36	<0.1	51.7	13.2	417	2.23	3.3	0.9	1.0	12	<0.1	0.2	<0.1	47	0.13	0.019	3
1226418	Soil	1.2	22.6	11.4	45	0.2	25.6	13.6	578	3.42	6.5	1.6	2.3	15	0.1	0.5	0.2	91	0.15	0.037	8
1226419	Soil	2.4	34.0	13.6	98	1.4	56.7	19.0	848	3.11	7.1	1.1	2.9	18	0.4	0.4	0.2	75	0.16	0.043	12
1226420	Soil	1.7	36.2	11.6	89	0.9	28.5	10.6	419	3.36	10.7	2.1	4.6	15	0.5	0.5	0.2	78	0.13	0.072	14
1226421	Soil	1.5	22.4	11.7	50	0.4	18.3	7.8	287	2.63	6.6	1.7	2.4	10	0.3	0.5	0.2	65	0.08	0.036	8
1226422	Soil	1.7	68.7	15.5	207	1.0	91.7	15.4	247	3.41	17.3	2.3	5.7	10	0.6	0.4	0.3	87	0.08	0.049	25
1226423	Soil	1.6	33.0	12.5	141	1.7	52.5	14.1	1051	2.90	7.9	1.3	4.0	35	0.9	0.6	0.2	75	0.34	0.044	9

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1226394	Soil	35	0.64	314	0.060	<1	2.05	0.012	0.07	<0.1	0.02	2.8	0.1	<0.05	7	0.9	<0.2
1226395	Soil	35	0.51	387	0.060	<1	2.60	0.012	0.06	0.1	0.03	3.1	<0.1	<0.05	7	0.6	<0.2
1226396	Soil	16	0.20	296	0.036	<1	1.16	0.015	0.03	<0.1	0.03	1.2	<0.1	<0.05	5	0.5	<0.2
1226397	Soil	29	0.39	489	0.064	<1	1.97	0.010	0.05	0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
1226398	Soil	39	0.85	290	0.057	<1	2.04	0.008	0.07	<0.1	0.02	3.5	0.1	<0.05	6	1.1	<0.2
1226399	Soil	60	0.85	204	0.066	<1	2.26	0.009	0.06	0.1	0.02	3.7	0.1	<0.05	8	0.9	<0.2
1226400	Soil	37	0.63	282	0.096	2	2.57	0.014	0.04	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
1226401	Soil	36	0.62	287	0.095	1	2.52	0.013	0.04	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
1226402	Soil	31	0.62	227	0.087	1	1.95	0.013	0.06	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1226403	Soil	24	0.52	127	0.059	<1	1.43	0.009	0.06	<0.1	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1226404	Soil	23	0.41	124	0.055	<1	1.51	0.010	0.04	<0.1	0.01	1.7	0.1	<0.05	5	<0.5	<0.2
1226405	Soil	34	0.55	294	0.055	<1	2.24	0.012	0.08	<0.1	0.06	2.9	0.1	<0.05	7	0.9	<0.2
1226406	Soil	31	0.49	308	0.023	1	1.95	0.018	0.13	0.1	0.01	2.5	0.1	0.18	7	1.7	<0.2
1226407	Soil	28	0.50	294	0.060	2	1.73	0.013	0.14	<0.1	0.03	2.2	<0.1	0.07	5	0.9	<0.2
1226408	Soil	30	0.50	249	0.052	<1	1.66	0.011	0.09	0.1	0.02	2.2	<0.1	0.07	6	0.7	<0.2
1226409	Soil	33	0.58	257	0.042	<1	1.76	0.009	0.05	0.1	0.02	2.2	0.1	0.06	6	0.9	<0.2
1226410	Soil	27	0.41	466	0.064	<1	1.69	0.010	0.06	0.1	0.01	2.3	<0.1	<0.05	6	0.7	<0.2
1226411	Soil	19	0.43	171	0.046	<1	1.12	0.016	0.03	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1226412	Soil	40	0.59	233	0.090	2	2.16	0.020	0.03	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1226413	Soil	75	0.91	79	0.102	1	1.83	0.005	0.02	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1226414	Soil	27	0.36	95	0.073	1	1.26	0.011	0.04	<0.1	<0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
1226415	Soil	89	1.04	142	0.081	1	2.07	0.011	0.05	0.1	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
1226416	Soil	52	0.71	48	0.044	<1	1.05	0.004	0.02	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1226417	Soil	98	1.23	60	0.094	1	1.65	0.007	0.02	<0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1226418	Soil	48	0.56	145	0.105	2	2.91	0.012	0.04	<0.1	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
1226419	Soil	39	0.69	326	0.071	2	2.42	0.013	0.04	<0.1	0.03	2.8	0.1	<0.05	8	0.5	<0.2
1226420	Soil	38	0.56	266	0.067	1	2.62	0.012	0.07	0.1	0.03	3.2	0.1	<0.05	7	0.7	<0.2
1226421	Soil	25	0.31	322	0.059	<1	1.87	0.016	0.05	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
1226422	Soil	41	0.71	181	0.030	<1	2.41	0.007	0.06	0.1	0.02	2.6	0.1	<0.05	7	0.8	<0.2
1226423	Soil	40	0.54	516	0.103	2	2.74	0.017	0.05	<0.1	0.02	3.1	0.1	<0.05	7	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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
1226424	Soil	2.3	28.5	14.2	43	0.4	12.3	4.5	219	2.61	6.4	0.7	4.8	33	0.1	0.3	0.3	54	0.12	0.051	21
1226425	Soil	0.9	19.3	11.8	144	0.7	24.9	14.6	512	2.68	7.1	<0.5	2.1	22	1.1	0.4	0.2	68	0.21	0.069	8
1226426	Soil	1.1	15.1	14.4	104	0.4	24.6	12.2	835	2.51	5.2	1.7	2.2	20	0.5	0.3	0.2	58	0.21	0.053	10
1227851	Soil	0.7	18.8	17.4	36	<0.1	13.0	6.0	234	1.71	4.2	3.6	13.2	46	<0.1	0.4	0.4	38	0.27	0.024	24
1227852	Soil	0.8	20.1	17.6	35	<0.1	13.6	5.3	223	1.74	4.2	2.3	13.3	49	<0.1	0.4	0.4	40	0.36	0.026	25
1227853	Soil	0.7	19.0	16.9	32	<0.1	13.7	5.0	218	1.56	3.8	2.9	12.2	49	<0.1	0.3	0.3	36	0.32	0.025	23
1227854	Soil	0.7	17.7	16.1	32	<0.1	12.4	5.6	236	1.59	3.6	1.7	11.9	44	<0.1	0.4	0.4	35	0.29	0.024	23
1227855	Soil	0.7	20.3	16.6	34	<0.1	14.2	5.1	221	1.63	3.6	2.5	11.6	48	<0.1	0.4	0.3	36	0.36	0.028	24
1227856	Soil	0.7	20.1	15.5	33	<0.1	14.5	6.8	275	1.71	4.1	3.1	11.1	47	<0.1	0.4	0.3	41	0.37	0.029	22
1227857	Soil	0.7	25.6	10.1	57	<0.1	21.0	8.9	353	2.31	7.0	2.1	4.0	46	0.2	0.5	0.2	52	0.65	0.060	13
1227858	Soil	0.9	32.0	12.4	58	0.1	26.0	10.0	385	2.59	7.4	2.3	4.8	44	0.3	0.7	0.2	60	0.63	0.063	15
1227859	Soil	0.8	30.9	9.3	53	<0.1	22.3	9.1	384	2.30	7.2	2.7	3.2	46	0.2	0.6	0.2	54	0.79	0.059	13
1227860	Soil	0.8	33.1	11.1	68	0.1	27.0	10.6	392	2.58	9.2	3.7	4.6	43	0.3	0.8	0.2	58	0.72	0.068	15
1227861	Soil	0.7	33.0	10.6	57	0.1	24.7	10.2	418	2.51	7.8	2.7	4.0	47	0.2	0.7	0.2	61	0.69	0.061	14
1227862	Soil	1.1	32.0	11.1	62	0.1	25.7	11.5	419	2.70	8.3	2.6	4.2	44	0.2	0.6	0.2	64	0.61	0.057	14
1227863	Soil	0.8	31.3	9.9	64	<0.1	25.7	10.6	405	2.54	7.8	2.9	4.1	45	0.2	0.6	0.2	60	0.77	0.064	13
1227864	Soil	0.7	31.2	9.6	60	<0.1	25.7	10.6	387	2.46	7.6	3.2	5.1	40	0.2	0.7	0.2	60	0.58	0.063	14
1227865	Soil	0.6	28.9	9.5	51	<0.1	24.8	10.3	397	2.42	7.1	2.3	5.5	42	0.1	0.5	0.2	60	0.58	0.066	14
1227866	Soil	0.5	32.5	9.1	48	<0.1	23.9	9.4	353	2.29	6.3	1.4	4.5	42	0.1	0.6	0.2	57	0.67	0.055	13
1228988	Soil	1.3	10.1	14.0	27	0.1	7.7	3.4	188	2.03	5.1	2.0	4.3	17	0.1	0.4	0.2	58	0.07	0.022	8
1228989	Soil	1.2	8.4	11.1	30	0.1	6.4	3.0	200	1.62	3.6	0.8	5.1	47	0.1	0.3	0.2	43	0.09	0.022	7
1228990	Soil	1.1	31.0	14.1	50	0.1	28.5	10.4	258	2.93	10.8	3.2	7.0	22	<0.1	0.6	0.2	76	0.15	0.013	9
1228991	Soil	1.2	9.8	14.0	32	0.1	10.6	5.6	594	1.80	3.8	2.4	5.4	31	<0.1	0.3	0.3	46	0.14	0.020	8
1228992	Soil	1.0	9.0	18.8	32	<0.1	9.7	5.0	217	2.10	3.3	2.7	4.9	16	<0.1	0.4	0.3	59	0.11	0.023	8
1228993	Soil	0.9	12.2	12.8	38	0.1	15.0	9.4	502	2.19	4.9	1.4	4.4	23	<0.1	0.4	0.2	52	0.14	0.020	9
1228994	Soil	0.7	6.7	9.4	22	<0.1	6.9	3.6	120	1.42	2.9	3.3	4.2	18	<0.1	0.2	0.2	37	0.10	0.012	7
1228995	Soil	0.8	5.9	10.4	21	<0.1	6.6	2.7	109	1.31	3.3	0.9	7.1	29	<0.1	0.3	0.2	31	0.08	0.010	7
1228996	Soil	0.8	9.8	13.2	23	0.1	8.6	4.0	131	1.69	3.8	1.6	5.6	19	<0.1	0.3	0.2	43	0.10	0.009	12
1228997	Soil	1.1	14.6	18.5	37	<0.1	16.8	6.9	178	2.48	6.6	1.3	9.4	25	<0.1	0.5	0.3	58	0.11	0.013	13
1228998	Soil	0.6	8.4	13.0	20	<0.1	6.3	2.7	100	1.22	2.5	0.6	4.9	45	<0.1	0.2	0.4	29	0.14	0.015	11

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

Project: RF
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS WHI11001429.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1226424	Soil	23	0.49	186	0.060	<1	1.62	0.010	0.14	<0.1	<0.01	1.7	0.2	0.18	6	1.3	<0.2
1226425	Soil	29	0.45	262	0.080	<1	1.99	0.020	0.05	<0.1	0.02	2.5	<0.1	<0.05	6	0.5	<0.2
1226426	Soil	28	0.45	215	0.069	1	1.71	0.018	0.05	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
1227851	Soil	20	0.39	197	0.080	2	1.29	0.018	0.09	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1227852	Soil	22	0.41	206	0.078	<1	1.31	0.020	0.09	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1227853	Soil	20	0.36	178	0.074	<1	1.14	0.019	0.09	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1227854	Soil	20	0.38	176	0.073	1	1.19	0.018	0.08	0.1	0.02	2.2	<0.1	<0.05	4	0.6	<0.2
1227855	Soil	21	0.38	190	0.073	1	1.22	0.022	0.08	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1227856	Soil	22	0.38	189	0.084	1	1.27	0.025	0.08	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1227857	Soil	26	0.51	225	0.100	3	1.41	0.034	0.07	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1227858	Soil	32	0.56	253	0.099	2	1.50	0.033	0.07	0.1	0.03	3.8	<0.1	<0.05	4	0.7	<0.2
1227859	Soil	27	0.49	237	0.090	1	1.38	0.040	0.07	0.1	0.04	3.2	<0.1	<0.05	4	0.8	<0.2
1227860	Soil	29	0.63	248	0.101	2	1.43	0.044	0.08	0.2	0.03	3.5	<0.1	<0.05	4	0.5	<0.2
1227861	Soil	29	0.58	252	0.104	2	1.52	0.039	0.07	0.1	0.03	3.4	<0.1	<0.05	4	0.7	<0.2
1227862	Soil	33	0.60	230	0.078	2	1.50	0.031	0.05	0.1	0.03	3.5	<0.1	<0.05	5	0.6	<0.2
1227863	Soil	29	0.58	223	0.101	2	1.44	0.035	0.11	0.2	0.03	3.4	<0.1	<0.05	5	0.5	<0.2
1227864	Soil	28	0.59	217	0.094	2	1.35	0.033	0.07	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
1227865	Soil	28	0.60	181	0.105	2	1.34	0.039	0.09	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
1227866	Soil	26	0.53	231	0.097	2	1.32	0.036	0.08	0.1	0.02	3.2	<0.1	<0.05	4	0.5	<0.2
1228988	Soil	16	0.19	76	0.051	<1	1.03	0.010	0.06	0.4	0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
1228989	Soil	13	0.15	85	0.044	<1	1.30	0.008	0.05	0.2	0.01	1.3	<0.1	<0.05	7	<0.5	<0.2
1228990	Soil	39	0.58	199	0.106	<1	2.56	0.011	0.07	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1228991	Soil	17	0.26	181	0.054	<1	1.19	0.017	0.08	0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
1228992	Soil	17	0.25	155	0.061	<1	1.36	0.010	0.06	0.1	<0.01	1.5	<0.1	<0.05	7	<0.5	<0.2
1228993	Soil	23	0.31	275	0.056	<1	1.70	0.012	0.08	0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1228994	Soil	12	0.20	104	0.054	<1	0.97	0.011	0.07	0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1228995	Soil	11	0.18	84	0.047	<1	0.86	0.007	0.09	0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1228996	Soil	16	0.20	109	0.063	<1	1.22	0.013	0.07	0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1228997	Soil	29	0.37	157	0.077	<1	2.13	0.010	0.08	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1228998	Soil	12	0.18	94	0.041	<1	0.91	0.006	0.10	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2

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Project: RF
Report Date: November 08, 2011

CERTIFICATE OF ANALYSIS WHI11001429.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		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
1228999	Soil	1.0	10.7	18.7	21	0.1	7.5	4.0	170	1.42	2.9	<0.5	3.4	24	<0.1	0.2	0.5	32	0.14	0.020	12
1229000	Soil	0.7	21.9	15.6	44	<0.1	18.2	7.1	200	2.02	5.8	3.9	9.2	36	0.1	0.5	0.3	43	0.33	0.033	19
1222801	Silt	0.7	10.1	15.5	38	<0.1	11.1	6.6	296	1.43	2.8	2.6	7.9	43	0.1	0.2	0.4	27	0.35	0.038	29
1225907	Silt	0.6	16.7	7.6	47	<0.1	16.9	7.9	405	1.88	4.6	10.0	5.8	50	0.2	0.3	0.1	42	0.56	0.063	14

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228999	Soil	13	0.17	105	0.035	<1	1.01	0.011	0.09	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1229000	Soil	23	0.37	217	0.090	<1	1.52	0.019	0.09	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1222801	Silt	16	0.26	212	0.040	<1	1.19	0.010	0.09	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1225907	Silt	21	0.44	153	0.077	1	1.02	0.028	0.06	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2

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QUALITY CONTROL REPORT WHI11001429.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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
Pulp Duplicates																					
1228318	Soil	1.1	14.8	14.1	25	<0.1	13.1	5.6	137	2.52	6.4	1.7	4.7	10	<0.1	0.4	0.2	64	0.10	0.022	18
REP 1228318	QC	1.1	14.6	14.3	25	<0.1	13.9	5.5	137	2.52	6.4	1.5	4.8	10	<0.1	0.4	0.2	63	0.09	0.022	18
1228335	Soil	0.7	11.4	25.2	27	<0.1	10.7	4.4	156	1.72	4.0	1.9	11.8	15	<0.1	0.3	0.4	37	0.16	0.011	44
REP 1228335	QC	0.8	11.6	25.6	26	<0.1	11.4	4.2	155	1.69	4.1	3.5	12.1	16	<0.1	0.3	0.4	37	0.16	0.011	44
1228345	Soil	0.8	22.4	24.0	36	<0.1	14.1	6.8	226	1.84	6.1	10.2	16.2	32	0.1	0.5	0.5	39	0.28	0.031	36
REP 1228345	QC	0.9	22.1	24.0	37	<0.1	15.1	7.0	229	1.86	5.8	9.8	16.2	32	0.1	0.4	0.5	40	0.30	0.030	37
1228960	Soil	1.8	26.6	16.5	29	<0.1	12.2	4.6	248	1.59	6.3	0.5	10.0	12	<0.1	0.4	0.4	32	0.07	0.013	16
REP 1228960	QC	1.8	26.3	16.7	30	<0.1	11.5	4.7	243	1.56	6.3	5.0	9.9	12	<0.1	0.4	0.4	31	0.07	0.014	16
1226392	Soil	1.4	19.9	13.9	63	0.4	26.9	9.5	261	3.05	10.3	2.7	3.2	19	0.1	0.4	0.2	71	0.18	0.040	10
REP 1226392	QC	1.4	19.3	14.1	63	0.4	25.9	9.3	258	3.07	10.3	2.0	2.9	18	0.1	0.4	0.2	70	0.18	0.039	10
1226410	Soil	1.3	15.7	11.4	61	0.4	19.0	9.2	378	2.89	13.3	1.4	2.1	21	0.3	0.4	0.2	72	0.17	0.038	8
REP 1226410	QC	1.4	16.4	11.5	62	0.5	20.4	9.4	389	2.95	13.3	2.8	2.1	21	0.3	0.4	0.2	72	0.18	0.038	8
1226424	Soil	2.3	28.5	14.2	43	0.4	12.3	4.5	219	2.61	6.4	0.7	4.8	33	0.1	0.3	0.3	54	0.12	0.051	21
REP 1226424	QC	2.3	28.4	13.8	43	0.4	12.3	4.5	219	2.60	6.4	0.8	4.6	33	0.1	0.3	0.2	55	0.12	0.048	22
1227856	Soil	0.7	20.1	15.5	33	<0.1	14.5	6.8	275	1.71	4.1	3.1	11.1	47	<0.1	0.4	0.3	41	0.37	0.029	22
REP 1227856	QC	0.7	19.4	13.8	33	<0.1	14.2	6.4	256	1.61	4.2	2.0	10.3	45	<0.1	0.3	0.3	38	0.35	0.027	22
1228993	Soil	0.9	12.2	12.8	38	0.1	15.0	9.4	502	2.19	4.9	1.4	4.4	23	<0.1	0.4	0.2	52	0.14	0.020	9
REP 1228993	QC	0.9	11.9	13.1	37	<0.1	14.5	9.2	497	2.15	4.8	1.1	4.5	23	<0.1	0.4	0.2	52	0.14	0.020	9
Reference Materials																					
STD DS8	Standard	13.1	105.5	122.8	291	1.7	36.3	7.2	580	2.34	22.7	111.0	7.7	70	2.1	5.9	7.2	41	0.67	0.071	16
STD DS8	Standard	12.8	108.5	124.2	311	1.8	36.6	7.4	605	2.45	24.9	114.6	6.4	66	2.3	5.6	6.3	43	0.67	0.080	14
STD DS8	Standard	13.1	107.2	123.0	306	1.8	38.5	7.2	618	2.41	23.1	105.8	6.5	63	2.1	5.4	6.0	42	0.70	0.077	16
STD DS8	Standard	13.0	107.7	124.1	299	1.8	35.8	7.5	599	2.39	22.8	105.4	7.2	70	2.1	6.0	6.9	42	0.64	0.071	15
STD DS8	Standard	12.5	103.9	123.7	298	1.8	35.5	7.2	601	2.39	24.2	110.2	6.7	69	2.2	5.7	6.5	40	0.66	0.077	15
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	14.6
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	<1
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	<1
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	<1

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QUALITY CONTROL REPORT WHI11001429.1

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1228318	Soil	26	0.28	138	0.062	<1	1.75	0.011	0.05	<0.1	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
REP 1228318	QC	26	0.27	138	0.061	<1	1.76	0.010	0.05	<0.1	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
1228335	Soil	19	0.28	176	0.045	<1	1.27	0.013	0.12	<0.1	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
REP 1228335	QC	19	0.28	179	0.047	<1	1.25	0.013	0.10	<0.1	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1228345	Soil	23	0.33	191	0.065	<1	1.16	0.021	0.11	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
REP 1228345	QC	22	0.33	195	0.070	<1	1.16	0.020	0.12	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1228960	Soil	16	0.25	128	0.030	<1	0.93	0.006	0.07	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
REP 1228960	QC	16	0.25	128	0.029	<1	0.89	0.006	0.06	<0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1226392	Soil	32	0.51	298	0.072	<1	2.00	0.010	0.05	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
REP 1226392	QC	31	0.51	301	0.070	1	1.99	0.009	0.05	0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
1226410	Soil	27	0.41	466	0.064	<1	1.69	0.010	0.06	0.1	0.01	2.3	<0.1	<0.05	6	0.7	<0.2
REP 1226410	QC	28	0.42	474	0.064	<1	1.70	0.011	0.06	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
1226424	Soil	23	0.49	186	0.060	<1	1.62	0.010	0.14	<0.1	<0.01	1.7	0.2	0.18	6	1.3	<0.2
REP 1226424	QC	23	0.49	185	0.067	1	1.63	0.010	0.14	<0.1	0.02	1.7	0.2	0.17	6	1.1	<0.2
1227856	Soil	22	0.38	189	0.084	1	1.27	0.025	0.08	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1227856	QC	20	0.36	192	0.080	1	1.16	0.023	0.08	0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228993	Soil	23	0.31	275	0.056	<1	1.70	0.012	0.08	0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
REP 1228993	QC	22	0.32	285	0.060	<1	1.70	0.015	0.08	0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	114	0.57	271	0.131	3	0.88	0.095	0.39	2.8	0.18	2.3	5.2	0.17	4	4.8	4.6
STD DS8	Standard	115	0.61	261	0.113	3	0.91	0.097	0.41	3.1	0.19	2.4	5.2	0.21	5	5.0	4.4
STD DS8	Standard	117	0.60	273	0.117	2	0.90	0.088	0.43	2.9	0.19	2.4	5.3	0.17	5	5.2	5.0
STD DS8	Standard	116	0.58	259	0.129	2	0.86	0.090	0.39	2.8	0.19	2.1	5.1	0.14	5	5.5	5.0
STD DS8	Standard	114	0.58	275	0.123	3	0.89	0.096	0.41	2.9	0.20	2.8	5.2	0.12	5	4.7	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	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	<0.2
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	<0.2
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	<0.2

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

Project: RF
Report Date: November 08, 2011

QUALITY CONTROL REPORT WHI11001429.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
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	<1
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	<1

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QUALITY CONTROL REPORT WHI11001429.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
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	<0.2
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	<0.2

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Appendix V: Rock Sample Assay Certificates

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

1222852
1222853
1222854
1222855
1222856
1222857
1222858
1222859
1222860
1224371
1224372
1224373

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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.

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

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

CERTIFICATE OF ANALYSIS 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
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	0.03
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	0.08
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	0.03
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	0.01
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	0.17
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	0.02
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
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	<0.01
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	<0.01
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	0.02
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	0.13
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	0.07
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	<0.01
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	0.12
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	0.14
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	0.03
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	0.95
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	0.93
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	0.02
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
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	0.98
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	1.15
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	0.65
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	7.91
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	6.92
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	0.62
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	0.13
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	0.03
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	0.03
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	0.37

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	Method	1DX	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	Te
	Unit	%	ppm	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	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	Rock	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

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

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

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

QUALITY CONTROL REPORT WHI11001591.1

	Method	1DX	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	Te
	Unit	%	ppm	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	0.2
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	<0.2
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	<0.2
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	<0.2
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	<0.2
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	4.6
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	<0.2
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	5
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	<0.2
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	<0.2
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	<0.2

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