ASSESSMENT REPORT

2011 GEOCHEMICAL PROGRAM

on the

Seattle Property

Mayo Mining District, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: 'Sea' 1-48 (YD95651 – YD95698)
NTS Mapsheet: 115P16
UTM Coordinates: E445000, N7083000 (NAD83, Zone 8)
Owner: Goldspike Exploration Inc.
Author: D. Ferraro, HBSc.
Dates worked performed: September 3rd, 2011 to September 5th, 2011

TABLE OF CONTENTS

1.0 Summary 1
2.0 Introduction 2
3.0 Property Location and Access 2
4.0 Topography, Vegetation, and Climate 3
5.0 Property Description 4
6.0 Property History 7
7.0 Geology
    7.1 Regional Geology 7
    7.2 Property Geology 7
8.0 2011 Work Program
    8.1 Sampling Method and Approach 10
    8.2 Sample Preparation, Analysis, and QA/QC 10
    8.3 Results 11
9.0 Conclusions and Recommendations 15
References 16
Statement of Expenditures 17
Certificates of Qualifications 18

Figures, Photos, and Tables

Figure 1: General Location of the Seattle Property 2
Figure 2: Claim Location Map 6
Figure 3: Regional Bedrock Geology 9
Figure 4: Sample Location Map 13
Figure 5: Sample Geochemistry Map 14

Photo 1: Example of physiography on the Property 3
Photo 2: Sample 1225872 - brecciated quartzite 12
Photo 3: Sample 1225878 - amphibolite 12

Table 1: List of claims 4

Appendices

Appendix I: Soil Sample Descriptions 19
Appendix II: Silt Sample Descriptions 25
Appendix III: Rock Sample Descriptions 27
Appendix IV: Soil Sample Assay Certificates 29
Appendix V: Silt Sample Assay Certificates 80
Appendix VI: Rock Sample Assay Certificates 88

1.0 SUMMARY

A 3 day geochemical sampling program was conducted on the Seattle Property from September 3rd, 2011 to September 5th, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 48 contiguous quartz claims located in the Mayo Mining District.

The Seattle Property is situated in the McQuesten River area, approximately 150 km ESE of Dawson City and 40 km NNW of Mayo, Yukon Territory. The area can be reached by truck from Mayo via the Silver Trail Highway, and a road branching west towards the McQuesten River bridge. For this purposes of this program, a helicopter was used based out of a field camp.

Geologically, the property is located in the western Selwyn Basin, a highly mineralized area east of the Tintina Fault. Numerous mineral showings and strong multi-element geochemical anomalies are related to high level, multi-phase quartz monzonite stocks of mid-Cretaceous age that intrude Upper Proterozoic to Silurian metasediments. The property is underlain by Mississippian quartzites, metasedimentary breccia, amphibolite, and Upper Proterozoic Hyland Group metasediments.

A total of 215 soil samples, 2 silt samples, and 22 rock samples were taken over the duration of the program. Few samples returned anomalous gold results. A very loose WNW trend is outlined by these anomalies which is consistent with strike measurements taken during field work. Rock sampling showed a prospective metasedimentary breccia with abundant silicification and minor pyrite mineralization, but did not yield any notable assay results.

The geological setting of the property is favourable to Carlin-style gold mineralization and high-grade vein deposits. Combined with this, the position of the property in relation to well-known deposits makes it a prospective exploration target. Although results were generally unfavourable, the property is adjacent to Goldspike's Goodman Property, allowing for ease of access to perform a limited follow-up program around the anomalies outlined in this report. A one day soil sampling/prospecting program is recommended for the property.

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 Seattle 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 written by D. Ferraro, of Ferraro Consulting Ltd. of Woodstock, ON.

3.0 PROPERTY LOCATION AND ACCESS

The Seattle Property is situated in the McQuesten River area, approximately 150 km ESE of Dawson City and 40 km NNW of Mayo (Figure 1). The area can be reached by truck from Mayo by taking the Silver Trail Highway, then branching west towards the McQuesten River bridge. There are numerous old access roads in the area along the McQuesten River. For the purposes of this soil sampling program, a helicopter was used based from a field camp.

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

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Seattle Property is situated in a lower elevation area adjacent to the McQuesten River. Topographically, the McQuesten River valley is mostly at about 2000 ft elevation. The property covers one mountain peak at 3900 ft. Seattle Creek cuts through the southwest of the property before joining the McQuesten River.

Vegetation consists of evergreen and deciduous forest which dominates the slopes. The mountain top is also sparsely vegetated due to lower elevations. Bedrock exposure is fairly limited across the property except for one particularly exposed ridge on the north slope of the mountain. This exposure stretches across the property to the east. The north end of the property leads to the McQuesten River and is swamp and marshland.

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: Facing the Seattle Property from across the McQuesten River valley to the north.

5.0 PROPERTY DESCRIPTION

The Seattle Property consists of 48 contiguous quartz claims in the Mayo Mining District. The 48 'Sea' claims can be found on NTS mapsheet 115P16 (see Figure 2). The claims are owned 100% by Goldspike Exploration Inc. of Toronto, Ontario. Goldspike also owns the 'MQ', 'G', and 'GM' claims 4 km north of the property.

A complete list of the mining claims that make up the Seattle Property is as follows:

Table 1: Claims comprising the Seattle Property.

Claim Name	Claim Number	Grant Number	Claim Owner	(%)	Claim Expiry Date	Status
Sea	1	YD95651	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	2	YD95652	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	3	YD95653	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	4	YD95654	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	5	YD95655	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	6	YD95656	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	7	YD95657	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	8	YD95658	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	9	YD95659	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	10	YD95660	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	11	YD95661	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	12	YD95662	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	13	YD95663	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	14	YD95664	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	15	YD95665	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	16	YD95666	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	17	YD95667	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	18	YD95668	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	19	YD95669	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	20	YD95670	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	21	YD95671	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	22	YD95672	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	23	YD95673	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	24	YD95674	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	25	YD95675	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	26	YD95676	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	27	YD95677	Goldspike Exploration Inc.	100	01/03/2016	Active

Sea	28	YD95678	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	29	YD95679	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	30	YD95680	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	31	YD95681	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	32	YD95682	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	33	YD95683	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	34	YD95684	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	35	YD95685	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	36	YD95686	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	37	YD95687	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	38	YD95688	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	39	YD95689	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	40	YD95690	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	41	YD95691	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	42	YD95692	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	43	YD95693	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	44	YD95694	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	45	YD95695	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	46	YD95696	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	47	YD95697	Goldspike Exploration Inc.	100	01/03/2016	Active
Sea	48	YD95698	Goldspike Exploration Inc.	100	01/03/2016	Active

Seattle Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

442000 444000 446000 448000

7086000 7084000 7082000 7080000

South McQuesten River

Seattle Creek

Haggart Creek

Sea11 YD95661	Sea12 YD95662	Sea23 YD95673	Sea24 YD95674	Sea35 YD95685	Sea36 YD95686
Sea9 YD95659	Sea10 YD95660	Sea21 YD95671	Sea22 YD95672	Sea33 YD95683	Sea34 YD95684
Sea7 YD95657	Sea8 YD95658	Sea19 YD95669	Sea20 YD95670	Sea31 YD95681	Sea32 YD95682
Sea5 YD95655	Sea6 YD95656	Sea17 YD95667	Sea18 YD95668	Sea29 YD95679	Sea30 YD95680
Sea3 YD95653	Sea4 YD95654	Sea15 YD95665	Sea16 YD95666	Sea27 YD95677	Sea28 YD95678
Sea1 YD95651	Sea2 YD95652	Sea13 YD95663	Sea14 YD95664	Sea25 YD95675	Sea26 YD95676
Sea46 YD95696	Sea44 YD95694	Sea42 YD95692	Sea40 YD95690	Sea38 YD95688	Sea48 YD95698
Sea45 YD95695	Sea43 YD95693	Sea41 YD95691	Sea39 YD95689	Sea37 YD95687	Sea47 YD95697

Legend

'Sea' claims

Yukon quartz claims

N

1:15,000

0 285 570 1,140 1,710 2,280
Meters

Date: March, 2012
NTS Mapsheet: 115P16
Datum: UTM NAD83 Zone 8

6.0 PROPERTY HISTORY

The Seattle showing on the property was staked in 1963 to cover lead-silver veins in Mississippian quartzite that has been suggested to be a western extension of the Keno Hill quartzite. Peso Silver Mines Ltd. explored the property with grid soil sampling, road construction and bulldozer trenching in 1963-64 (Morgan, 1964; Minfile 115P002). Bulldozer trenching uncovered a northeast-trending vein fault, and galena float found on the property assayed 40.3% Pb and 1556.5 g/t Ag. It appears that gold was never assayed, and that there has been no subsequent work on the property (Bremner, 2010).

7.0 GEOLOGY

7.1 Regional Geology

The Clear Creek-McQuesten River region is a highly mineralized area east of the Tintina Fault. Numerous mineral showings and strong multi-element geochemical anomalies are related to high level, multi-phase quartz monzonite stocks of mid-Cretaceous age that intrude Upper Proterozoic to Silurian metasediments. Showings in the area, as well as regional silt geochemistry and industry soil sampling, demonstrate a strong correlation between gold, arsenic, antimony, tungsten and bismuth, typical of Tintina Gold Belt type intrusive hosted gold targets. Major deposits in the area include Red Mountain (18km WNW of Seattle, molybdenum-copper-gold porphyry), Dublin Gulch (15km ENE, gold-bearing sheeted quartz veins), and Scheelite Dome (10km south, gold-bearing quartz veins).

The Property is located in the western Selwyn Basin, a fault controlled epicratonic basin. The stratigraphy in the area can be categorized into four, predominantly clastic lithological units. From youngest to oldest they are: the Lower Schist (Mesozoic), Keno Hill Quartzite (Paleozoic), Upper Schist (Paleozoic, Devonian-Mississippian), and the Hyland Group, formerly the Grit Unit (Upper Proterozoic). These units have been juxtaposed by laterally extensive, northward-directed thrusting that occurred in early Cretaceous time.

7.2 Property Geology

The Seattle Property area was mapped by Muphy and Heon (1996). The property is dominated by a thrust fault-controlled unit Mississippian shale and quartzite (Figure 3). The northern extent shows a unit of Early Mississippian volcanic flows, tuffs, and chert. The southeast corner of the property is underlain by the region's dominant Upper Proterozoic-Lower Cambrian Hyland Group metasediments.

The Sea claims cover the inferred source of a 95th percentile (20 ppb) gold silt anomaly on the ridge between Seattle Creek and Ross Creek, which are north-flowing tributaries of the McQuesten River.

Observations during the 2011 work program revealed the property is dominated by quartzite and muscovite-chlorite schists. Schists are generally well foliated and display varying degrees of deformation. Quartz-poor, oxidized metasedimentary breccia was observed in the southeast of the property. Although it is fairly deformed, the quartzite unit appears to have a WNW strike and dips shallowly to the south. There is evidence of multiple events of quartz veining on the property, often crosscutting foliation. The metasediments are generally well oxidized, rusty, and weathered. Pyrite mineralization is limited in the quartz veins and wallrock.

One outcrop of probable volcanic origin was observed with rare pieces of float found around the property. It is a well foliated amphibolite, likely representing the Early Mississipian volcanic unit mapped in the north of the property.

Seattle Property

Fig. 3: Bedrock Geology

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

'Sea' claims

Bedrock Geology

Lithology

- phyllite/shale/sandstone/grit/conglomerate
- siltstone/sandstone/conglo
- flows/tuffs/plugs/chert
- shale/quartzite
- slate
- limestone
- granite/quartz monzonite/granodiorite

Fault lines

N

1:50,000

0 950 1,900 3,800 5,700 7,600 Meters

Date: March, 2012
NTS Mapsheet: 115P16, 116A01, 106D03, 105M13
Datum: UTM NAD83 Zone 8

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A 3 day geochemical sampling program was conducted on the Seattle Property from September 3rd, 2011 to September 5th, 2011. Working out of a field camp, a crew of 6 soil samplers, 2 prospectors and one geologist collected 215 soil samples, 2 silt samples, and 22 rock samples (see Figure 4 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. Analytical results for the soil and rock samples are given in Appendices III and IV, respectively.

8.3 Results

Soil Samples

The soil sampling program conducted on the Seattle Property yielded few geochemical gold anomalies (Figure 5). Four soil samples assayed over 20 ppb Au, the highest being sample 1228906 at 45.4 ppb Au. These four samples form a loose WNW trend. The soil samples were not significantly anomalous in any other elements. Soil sample results can be found in Appendix IV.

Silt Samples

The two silt samples taken on the property did not yield any significant values. Results can be found in Appendix V.

Rock Samples

Twenty-two rock samples were taking from the property. The east side of the property displayed gossanous metasedimentary breccia and minor pyrite mineralization (Photo 2). The highest gold value assayed in the rock samples is 23.4 ppb Au in sample 1225870, which was also slightly anomalous in copper and lead. The two amphibolite samples recovered from the property showed elevated magnesium and aluminum, confirming their volcanic origin (Photo 3). One of these samples, 1224367, showed anomalous antimony (98.7 ppm Sb).

Photo 2: Brecciated, gossanous quartzite (sample 1225872).

Photo 3: Amphibolite (sample 1225878).

Seattle Property

Fig. 4: Sample Location Map

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

- Soil samples
- Silt samples
- Rock samples
- Seattle Property

1:10,000

0 187.5 375 750 1,125 1,500
Meters

Date: March, 2012
NTS Mapsheet: 115P16
Datum: UTM NAD83 Zone 8

442000 443000 444000 445000 446000 447000 448000

7085000 7084000 7083000 7082000 7081000

Seattle Creek

Seattle Property

Fig. 5: Sample Geochemistry

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

Soil samples

Au (ppb)

- 0.0 - 10.0
- 10.1 - 20.0
- 20.1 - 45.4
- Silt samples (ppb Au)
- Rock samples (ppb Au)

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
- Seattle Property

1:10,000

0 187.5 375 750 1,125 1,500
Meters

Date: March, 2012
NTS Mapsheet: 115P16
Datum: UTM NAD83 Zone 8

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Seattle Property is located in a geological setting favourable to gold mineralization. Although little evidence for intrusives has been observed on the property, there is still potential for Carlin-style mineralization in the Upper Proterozoic-Lower Cambrian metasedimentary rocks as well as high-grade vein deposits.

Soil sampling has revealed a handful of weak gold anomalies on the property, roughly forming a WNW trend. This trend is consistent with strike measurements taken during field work. It is possible that a mineralized gold trend in the quartzite is responsible for these soil anomalies as well as the GSC-collected silt anomaly (20 ppb Au) in the creek draining this area.

Although the silt sample collected by Goldspike personnel in the aforementioned creek did not replicate the GSC's results, this is not conclusive enough to rule out the possibility of gold mineralization in the area.

Rock sampling in the outcrops available did not yield favourable results. However, prospecting could be attempted on the west and central areas of the property through the method of hand dug pits where outcrop is not available.

The proximity of Goldspike's Goodman Property to the north is an asset to this property. While follow-up work is done to the north, a day could be used to travel to the Seattle Property and perform a small work program. More tightly spaced soil sampling in the vicinity of the WNW trend is recommended, as well as repeat silt sampling in the tributary draining this area.

REFERENCES

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Morgan, D (1964): Geochemical Survey “Alice” Group, Peso Silver Mines Ltd., Vancouver, BC.

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Murphy, D. and Heon, D. (1996): Geological map of Seattle Creek map area, western Selwyn Basin, Yukon (115P/16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1996-3, scale 1:50,000.

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

Yukon Minfile 115P002 (1995): SEATTLE, Yukon Geological Survey.

STATEMENT OF EXPENDITURES

EXPLORATION COSTS ASSOCIATED WITH THE SEATTLE PROPERTY BETWEEN Sept. 3rd and Sept. 5th, 2011			
ITEM	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**
Hughes 500D Helicopter + Fuel /Hr	$ 1,182.00	6.3	$ 7,446.60
Hughes 500D Helicopter (stand by 9-6.3 = 2.7)	$ 935.00	2.7	$ 2,524.50
ROCK ASSAY	$ 28.88	22	$ 635.36
SOIL ASSAY	$ 18.00	215	$ 3,870.00
SILT ASSAY	$ 18.00	2	$ 36.00
Project Geologist / Day	$ 500.00	3	$ 1,500.00
6 x Soil Samplers = 300 x 6 /day	$ 1,800.00	3	$ 5,400.00
Cook	$ 400.00	3	$ 1,200.00
1x Prospector x 350 / day	$ 350.00	1	$ 350.00
Camp Rental / day	$ 1,000.00	3	$ 3,000.00
Food	$ 2,400.00	1	$ 2,400.00
Truck Rental = $140 x 2	$ 280.00	3	$ 840.00
Fuel - Automobile, ATV, Generator and Heating + Propane	$ 1,000.00	1	$ 1,000.00
Maps and drafting	$ 100.00	3	$ 300.00
Report preperation	$ 1,500.00	1	$ 1,500.00
Mobile office equipment rental from Druid Exploration - (Laptop,Printer,Software + Surge protector)	$ 65.00	3	$ 195.00
		TOTAL	**$ 32,197.46**

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.

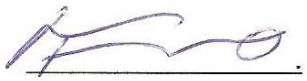
3. I am a member of the Ontario Prospectors Association (2010).

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.



Date: Mar 1, 2012

Daniel Ferraro, H.B.Sc.

Appendix I: Soil Sample Descriptions

Soil Sample Descriptions

Seattle Property

UTM NAD83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sampler	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1227767	445718	7082228	1177	4-Sep-11	James	20-30	c	light brown		10				90	weathered bedrock	moist	evergreen	ridge top
1227768	445744	7082222	1180	4-Sep-11	James	30-40	c	light brown		10		30		60	weathered bedrock	part. frozen	evergreen	ridge top
1227769	445793	7082212	1178	4-Sep-11	James	30-40	c	light grey	10	50		20		20	weathered bedrock	moist	evergreen	ridge top
1227770	445844	7082207	1176	4-Sep-11	James	40-50	c	light grey				50		50	weathered bedrock	wet	evergreen	ridge top
1227771	445895	7082199	1174	4-Sep-11	James	30-40	c	light grey				60		40	weathered bedrock	moist	buck brush	ridge top
1227772	445940	7082188	1173	4-Sep-11	James	40-50	c	light brown		20		50		30	weathered bedrock	moist	evergreen	ridge top
1227773	445992	7082179	1175	4-Sep-11	James	30-40	c	light brown		20		30		50	weathered bedrock	moist	evergreen	ridge top
1227774	446038	7082172	1177	4-Sep-11	James	30-40	c	dark brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227775	446092	7082164	1179	4-Sep-11	James	30-40	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227776	446142	7082153	1183	4-Sep-11	James	50-60	c	light grey		50		50			weathered bedrock	moist	evergreen	ridge top
1227777	446183	7082143	1184	4-Sep-11	James	40-50	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227778	446223	7082111	1184	4-Sep-11	James	20-30	c	light brown				60		40	weathered bedrock	moist	evergreen	ridge top
1227779	446248	7082070	1181	4-Sep-11	James	30-40	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227780	446274	7082029	1175	4-Sep-11	James	30-40	c	light brown				40		60	weathered bedrock	moist	evergreen	ridge top
1227781	446297	7081985	1169	4-Sep-11	James	30-40	c	light brown		10		40		50	weathered bedrock	moist	evergreen	ridge top
1227782	446321	7081942	1165	4-Sep-11	James										weathered bedrock	moist	evergreen	ridge top
1227783	446349	7081900	1159	4-Sep-11	James	30-40	c	light brown				60		40	weathered bedrock	moist	evergreen	ridge top
1227784	446377	7081860	1155	4-Sep-11	James	30-40	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227785	446408	7081813	1153	4-Sep-11	James	30-40	c	light brown				40		60	weathered bedrock	moist	evergreen	ridge top
1227786	446426	7081773	1152	4-Sep-11	James	30-40	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227787	446454	7081729	1154	4-Sep-11	James	40-50	c	dark brown				50		50	weathered bedrock	wet	evergreen	ridge top
1227788	446480	7081680	1157	4-Sep-11	James	30-40	c	light brown	10	10		40		40	weathered bedrock	moist	evergreen	ridge top
1227789	446501	7081643	1161	4-Sep-11	James	30-40	c	light brown	10	10		40		40	weathered bedrock	moist	evergreen	ridge top
1227790	446525	7081594	1162	4-Sep-11	James	30-40	c	light brown	10			60		30	weathered bedrock	moist	evergreen	ridge top
1227791	446556	7081556	1166	4-Sep-11	James	40-50	c	light brown				30		70	weathered bedrock	moist	evergreen	ridge top
1227792	446587	7081518	1172	4-Sep-11	James	30-40	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227793	446610	7081468	1178	4-Sep-11	James	30-40	c	light brown		20		40		40	weathered bedrock	moist	evergreen	ridge top
1227794	446634	7081424	1179	4-Sep-11	James	30-40	c	light brown				60		40	weathered bedrock	moist	evergreen	ridge top
1227795	446657	7081384	1182	4-Sep-11	James	30-40	c	light brown	20			50		30	weathered bedrock	moist	evergreen	ridge top
1227796	446683	7081347	1183	4-Sep-11	James	30-40	c	light brown				40		60	weathered bedrock	moist	evergreen	ridge top
1227797	446716	7081301	1180	4-Sep-11	James	40-50	c	light brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227798	446736	7081258	1179	4-Sep-11	James	30-40	c	light brown				30		70	weathered bedrock	moist	evergreen	ridge top
1228020	445692	7082098		4-Sep-11	Austin and Kaylee	60	c	light brown					40	60	talus	moist	buck brush	ridge top
1228021	445663	7082056	1170	4-Sep-11	Austin and Kaylee	50	c	light brown					40	60	talus	moist	buck brush	ridge top
1228022	445632	7082016	1167	4-Sep-11	Austin and Kaylee	50	c	light brown				30	30	40	talus	moist	evergreen	ridge top
1228023	445601	7081973	1166	4-Sep-11	Austin and Kaylee	50	c	light brown				20	30	50	talus	moist	buck brush	ridge top
1228024	445577	7081930	1163	4-Sep-11	Austin and Kaylee	20-30	b/c	light brown		10	5	40	5	40	talus	moist	buck brush	ridge top
1228025	445556	7081890	1159	4-Sep-11	Austin and Kaylee	50	c	light brown				20	40	40	talus	moist	buck brush	ridge top
1228026	445521	7081857	1156	4-Sep-11	Austin and Kaylee	50	c	light brown				20	40	40	talus	moist	buck brush	ridge top
1228027	445481	7081815	1149	4-Sep-11	Austin and Kaylee	60	c	light brown				30		60	talus	moist	buck brush	ridge top
1228028	445460	7081765	1139	4-Sep-11	Austin and Kaylee	50	c	light brown				10	40	50	talus	moist	buck brush	ridge top
1228029	445427	7081732	1131	4-Sep-11	Austin and Kaylee	50	c	light brown		10	20	30		40	talus	moist	buck brush	ridge top
1228030	445402	7081693	1119	4-Sep-11	Austin and Kaylee	50	c	light brown					40	60	talus	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sampler	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228031	445356	7081685	1106	4-Sep-11	Austin and Kaylee	40	c	light brown		5		20	30	45	talus	moist	buck brush	ridge top
1228032	445308	7081671	1090	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown			10	40	10	40	loess - organic rich	moist	buck brush	ridge top
1228033	445261	7081680	1080	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	buck brush	ridge top
1228034	445218	7081682	1069	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	10	40	10	30	loess - organic rich	moist	buck brush	ridge top
1228035	445164	7081708	1057	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		5	10	40	5	40	loess - organic rich	moist	buck brush	ridge top
1228036	445124	7081737	1053	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	buck brush	ridge top
1228037	445074	7081758	1043	4-Sep-11	Austin and Kaylee	50-60	b/c	light brown		10	15	40	5	30	loess - organic rich	moist	deciduous	mid slope
1228038	445042	7081784	1032	4-Sep-11	Austin and Kaylee	50-60	c	light brown		10	10	30	5	45	loess - organic rich	moist	deciduous	mid slope
1228039	444989	7081806	1017	4-Sep-11	Austin and Kaylee	40-50	c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228040	444932	7081830	1011	4-Sep-11	Austin and Kaylee	50-60	b/c	light brown			10	45	5	40	loess - organic rich	moist	deciduous	mid slope
1228041	444877	7081867	1006	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	buck brush	mid slope
1228042	444836	7081899	1000	4-Sep-11	Austin and Kaylee	50-60	b/c	light brown		10	10	40	10	30	loess - organic rich	moist	deciduous	mid slope
1228043	444772	7081926	989	4-Sep-11	Austin and Kaylee	50-60	b/c	light brown		5	10	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228044	444706	7081972	999	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228045	444675	7081999	1002	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228046	444664	7082029	1008	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	10	40	5	35	loess - organic rich	moist	deciduous	mid slope
1228047	444634	7082104	1022	4-Sep-11	Austin and Kaylee	30-40	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228048	444588	7082114	1014	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228049	444546	7082141	1009	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228050	444495	7082164	1000	4-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228051	444441	7082214	989	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228052	444393	7082300	981	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228053	444364	7082342	971	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228054	444336	7082384	965	4-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228055	444311	7082431	962	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228056	444291	7082476	956	4-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228057	444317	7082544	962	4-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228058	444333	7082595	959	4-Sep-11	Austin and Kaylee	20-30	b/c	dark grey	20	10	10	30		30	loess - organic rich	moist	deciduous	mid slope
1228059	444349	7082643	960	4-Sep-11	Austin and Kaylee	30-40	b/c	dark grey	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228060	444377	7082702	951	4-Sep-11	Austin and Kaylee	30-40	b/c	dark grey	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228061	444192	7082711	911	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228062	444175	7082764	899	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	deciduous	mid slope
1228063	444153	7082799	889	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	deciduous	mid slope
1228064	444139	7082845	880	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	evergreen	mid slope
1228065	444106	7082899	867	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	evergreen	mid slope
1228066	444096	7082934	856	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	evergreen	mid slope
1228067	444083	7082988	845	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	talus	moist	evergreen	mid slope
1228068	444056	7083039	829	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	evergreen	mid slope
1228069	444039	7083089	822	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	20	30	5	25	talus	moist	evergreen	mid slope
1228070	444021	7083124	816	5-Sep-11	Austin and Kaylee	40-50	c	light brown			10	40	10	40	talus	moist	evergreen	mid slope
1228071	444001	7083165	802	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	evergreen	mid slope
1228072	443948	7083221	779	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	talus	moist	deciduous	mid slope
1228073	443938	7083257	776	5-Sep-11	Austin and Kaylee	40-50	c	light brown			10	40	10	40	talus	moist	evergreen	mid slope
1228074	443927	7083315	768	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10		40		40	talus	moist	deciduous	mid slope
1228075	443917	7083354	765	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30		40	talus	moist	deciduous	mid slope
1228076	443906	7083425	760	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	5	35	5	35	loess - organic rich	moist	deciduous	mid slope
1228077	443892	7083462	752	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	5	40	5	40	loess - organic rich	moist	deciduous	mid slope
1228078	443882	7083503	745	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown			10	40	10	40	loess - organic rich	moist	deciduous	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sampler	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228079	443868	7083547	736	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228080	443861	7083598	726	5-Sep-11	Austin and Kaylee	30-40	b/c	light brown	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228081	443872	7083648	719	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown			10	40	10	40	loess - organic rich	moist	deciduous	mid slope
1228082	443866	7083694	709	5-Sep-11	Austin and Kaylee	40-50	b/c	light grey		5	5	40	5	45	loess - organic rich	moist	deciduous	mid slope
1228083	443870	7083749	699	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228084	443873	7083795	693	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10	10	10	30	10	30	loess - organic rich	moist	deciduous	mid slope
1228085	443865	7083843	685	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10		10	25	10	45	loess - organic rich	moist	deciduous	mid slope
1228086	443872	7083896	680	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10		5	35	5	45	loess - organic rich	saturated	deciduous	mid slope
1228087	443872	7083951	676	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown		10	10	30	5	45	loess - organic rich	moist	deciduous	mid slope
1228088	443867	7084001	673	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10		10	30	5	45	loess - organic rich	saturated	deciduous	mid slope
1228089	443871	7084041	668	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	10		30	5	45	loess - organic rich	saturated	deciduous	mid slope
1228090	443883	7084101	668	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10		5	30	5	50	loess - organic rich	moist	deciduous	mid slope
1228091	443861	7084156	661	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	5	5	30	5	45	loess - organic rich	moist	deciduous	mid slope
1228092	443877	7084195	658	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	5	5	30	5	45	loess - organic rich	saturated	deciduous	mid slope
1228093	443871	7084243	650	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10			30	5	55	loess - organic rich	saturated	deciduous	mid slope
1228094	443870	7084295	641	5-Sep-11	Austin and Kaylee	30-40	b/c	dark grey	5		5	30	5	55	loess - organic rich	saturated	deciduous	mid slope
1228095	443876	7084356	629	5-Sep-11	Austin and Kaylee	60-70	c	dark grey	10			30	5	55	loess - organic rich	saturated	deciduous	mid slope
1228096	443894	7084406	622	5-Sep-11	Austin and Kaylee	50-60	b/c	dark grey	10			30	5	55	loess - organic rich	saturated	deciduous	mid slope
1228097	443926	7084459	614	5-Sep-11	Austin and Kaylee	40-50	b/c	light brown	10	5	5	30	5	45	loess - organic rich	saturated	deciduous	valley bottom
1228098	443939	7084505	609	5-Sep-11	Austin and Kaylee	40-50	b/c	dark grey	10			30	5	55	loess - organic rich	saturated	deciduous	valley bottom
1228099	443977	7084539	607	5-Sep-11	Austin and Kaylee	50-60	b/c	dark grey	5			40	5	50	loess - organic rich	saturated	deciduous	valley bottom
1228100	444008	7084552	609	5-Sep-11	Austin and Kaylee	50-60	c	dark grey	15			30	5	50	loess - organic rich	saturated	deciduous	valley bottom
1228611	445759	7082345	1173	4-Sep-11	Kevin	40-50	c	yellow orange	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228612	445751	7082392	1171	4-Sep-11	Kevin	30-40	c	light brown	10	10				80	weathered bedrock	moist	evergreen	ridge top
1228613	445742	7082439	1168	4-Sep-11	Kevin	30-40	c	light brown	10	10				80	weathered bedrock	moist	evergreen	ridge top
1228614	445738	7082495	1162	4-Sep-11	Kevin	30-40	c	light brown	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228615	445726	7082538	1158	4-Sep-11	Kevin	40-50	c	light brown		15				85	weathered bedrock	moist	evergreen	mid slope
1228616	445721	7082590	1153	4-Sep-11	Kevin	40-50	c	light brown		20				80	weathered bedrock	moist	evergreen	mid slope
1228617	445710	7082637	1149	4-Sep-11	Kevin	30-40	c	light brown	5	20				75	weathered bedrock	moist	evergreen	mid slope
1228618	445706	7082688	1146	4-Sep-11	Kevin	20-30	b/c	yellow orange		15				85	weathered bedrock	moist	evergreen	mid slope
1228619	445696	7082740	1141	4-Sep-11	Kevin	20-30	c	light brown		10				90	talus	moist	evergreen	mid slope
1228620	445692	7082784	1133	4-Sep-11	Kevin	20-30	c	dark grey		35				65	talus	moist	evergreen	mid slope
1228621	445684	7082840	1123	4-Sep-11	Kevin	20-30	b/c	yellow orange	15	15				70	talus	moist	evergreen	mid slope
1228622	445679	7082886	1114	4-Sep-11	Kevin	40-50	c	light brown		10				90	talus	moist	evergreen	mid slope
1228623	445668	7082934	1099	4-Sep-11	Kevin	30-40	c	light brown		15				85	talus	moist	evergreen	mid slope
1228624	445668	7082988	1087	4-Sep-11	Kevin	20-30	b/c	dark grey	35	5				60	talus	moist	evergreen	mid slope
1228625	445657	7083041	1067	4-Sep-11	Kevin	30-40	c	dark grey	10	20				70	talus	moist	evergreen	mid slope
1228626	445643	7083082	1052	4-Sep-11	Kevin	20-30	b	dark grey	60					40	talus	moist	evergreen	mid slope
1228627	445639	7083132	1031	4-Sep-11	Kevin	20-30	c	dark grey		25				75	talus	moist	evergreen	mid slope
1228628	445635	7083187	1015	4-Sep-11	Kevin										talus	moist	evergreen	mid slope
1228629	445628	7083241	996	4-Sep-11	Kevin	20-30	b	dark grey	30	40				30	talus	moist	evergreen	mid slope
1228630	445611	7083282	984	4-Sep-11	Kevin	20-30	b	dark grey	20	40				40	talus	moist	evergreen	mid slope
1228631	445619	7083335	980	4-Sep-11	Kevin	30-40	c	light brown		25				75	talus	moist	evergreen	mid slope
1228632	445613	7083381	967	4-Sep-11	Kevin	20-30	b/c	dark grey	10	30				60	talus	moist	evergreen	mid slope
1228633	445603	7083436	953	4-Sep-11	Kevin	40-50	c	dark grey		20				80	talus	moist	evergreen	mid slope
1228634	445609	7083583	905	4-Sep-11	Kevin	40-50	c	dark grey	20	30				50	talus	moist	evergreen	mid slope
1228635	445599	7083629	894	4-Sep-11	Kevin	40-50	c	dark grey	10	25				65	weathered bedrock	wet	evergreen	mid slope
1228636	445598	7083685	875	4-Sep-11	Kevin	50-60	b/c	dark brown	20	10				70	loess - organic rich	part. frozen	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sampler	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228637	445598	7083734	860	4-Sep-11	Kevin	50-60	c	dark brown	20	10				70	loess - organic rich	wet	evergreen	mid slope
1228638	445588	7083785	848	4-Sep-11	Kevin	40-50	c	light brown		20				80	weathered bedrock	moist	evergreen	mid slope
1228639	445591	7083836	828	4-Sep-11	Kevin	40-50	c	dark grey	25	5				70	loess - organic rich	wet	evergreen	mid slope
1228640	445589	7083882	814	4-Sep-11	Kevin	50-60	c	dark grey		5				95	loess - organic rich	wet	evergreen	mid slope
1228641	445586	7083929	801	4-Sep-11	Kevin	40-50	c	dark grey	5	10				85	loess - organic rich	wet	evergreen	mid slope
1228642	445583	7083975	784	4-Sep-11	Kevin	50-60	b	dark grey	50					50	loess - organic rich	wet	evergreen	mid slope
1228643	445576	7084029	765	4-Sep-11	Kevin	50-60	c	dark grey	20	5				75	loess - organic rich	wet	evergreen	mid slope
1228644	445575	7084082	749	4-Sep-11	Kevin	40-50	c	dark grey	35					65	loess - organic rich	wet	evergreen	mid slope
1228645	445570	7084135	734	4-Sep-11	Kevin	40-50	c	dark grey	15					85	loess - organic rich	wet	evergreen	mid slope
1228646	445570	7084178	716	4-Sep-11	Kevin	50-60	a/b	dark brown	65					35	loess - organic rich	wet	evergreen	mid slope
1228647	445573	7084226	699	4-Sep-11	Kevin	50-60	c	dark grey	15					85	loess - organic rich	wet	evergreen	mid slope
1228648	445560	7084279	684	4-Sep-11	Kevin	40-50	b	dark brown	50					50	loess - organic rich	frozen	evergreen	mid slope
1228649	445565	7084329	676	4-Sep-11	Kevin	40-50	c	dark brown	10	5				85	loess - organic rich	saturated	marsh	valley bottom
1228650	445561	7084378	669	4-Sep-11	Kevin	40-50	c	light brown	10					90	loess - organic rich	wet	marsh	valley bottom
1228651	445554	7084429	660	4-Sep-11	Kevin	40-50	c	dark brown						100	loess - organic rich	wet	evergreen	valley bottom
1228652	445554	7084485	655	4-Sep-11	Kevin	30-40	c	dark brown	10					90	loess - organic rich	wet	evergreen	valley bottom
1228653	445548	7084539	649	4-Sep-11	Kevin	40-50	c	dark brown						100	loess - organic rich	wet	evergreen	valley bottom
1228875	445638	7082222	1164	4-Sep-11	Lukas and Jason	50-60	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228876	445587	7082235	1168	4-Sep-11	Lukas and Jason	40-50	c	light brown	5					95	weathered bedrock	moist	evergreen	ridge top
1228877	445539	7082241	1162	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228878	445491	7082252	1160	4-Sep-11	Lukas and Jason	30-40	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	ridge top
1228879	445441	7082260	1154	4-Sep-11	Lukas and Jason	40-50	c	light grey	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228880	445392	7082273	1151	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228881	445341	7082277	1143	4-Sep-11	Lukas and Jason	40-50	c	light grey	10	5				85	weathered bedrock	moist	evergreen	ridge top
1228882	445289	7082288	1138	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228883	445238	7082299	1131	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	ridge top
1228884	445190	7082307	1126	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228885	445144	7082319	1119	4-Sep-11	Lukas and Jason	30-40	c	light brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228886	445094	7082323	1116	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228887	445044	7082350	1110	4-Sep-11	Lukas and Jason	30-40	c	light brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228888	445006	7082365	1106	4-Sep-11	Lukas and Jason	30-40	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228889	444961	7082393	1101	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228890	444921	7082432	1094	4-Sep-11	Lukas and Jason	50-60	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228891	444877	7082447	1087	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228892	444830	7082467	1080	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228893	444809	7082512	1068	4-Sep-11	Lukas and Jason	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228894	444796	7082561	1059	4-Sep-11	Lukas and Jason	40-50	c	dark brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228895	444786	7082609	1050	4-Sep-11	Lukas and Jason	30-40	c	dark grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228896	444775	7082655	1039	4-Sep-11	Lukas and Jason	40-50	c	dark brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228897	444758	7082760	1012	4-Sep-11	Lukas and Jason	40-50	c	dark grey	15	10				75	talus	moist	evergreen	mid slope
1228898	444750	7082808	1002	4-Sep-11	Lukas and Jason	40-50	c	light brown	10	10				80	talus	moist	evergreen	mid slope
1228899	444742	7082856	985	4-Sep-11	Lukas and Jason	20-30	c	dark brown	30	10				60	talus	moist	evergreen	mid slope
1228900	444729	7082907	972	4-Sep-11	Lukas and Jason	30-40	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228901	444720	7082956	967	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228902	444705	7083001	965	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	10				85	talus	moist	evergreen	mid slope
1228903	444695	7083047	954	4-Sep-11	Lukas and Jason	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228904	444682	7083096	955	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	talus	moist	evergreen	mid slope
1228905	444681	7083144	944	4-Sep-11	Lukas and Jason	30-40	c	light brown	5					95	weathered bedrock	moist	deciduous	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sampler	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228906	444687	7083195	929	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	weathered bedrock	moist	deciduous	mid slope
1228907	444683	7083244	927	4-Sep-11	Lukas and Jason	40-50	c	light brown	10	5				85	weathered bedrock	moist	deciduous	mid slope
1228908	444675	7083301	922	4-Sep-11	Lukas and Jason	40-50	c	light brown	10	5				85	weathered bedrock	moist	deciduous	mid slope
1228909	444676	7083355	917	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228910	444683	7083395	910	4-Sep-11	Lukas and Jason	50-60	c	light brown	20	5				75	weathered bedrock	moist	evergreen	mid slope
1228911	444681	7083440	891	4-Sep-11	Lukas and Jason	50-60	c	dark grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228912	444674	7083495	882	4-Sep-11	Lukas and Jason	30-40	c	light brown	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228913	444683	7083545	873	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228914	444694	7083592	863	4-Sep-11	Lukas and Jason	50-60	c	dark grey	20					80	weathered bedrock	moist	evergreen	mid slope
1228915	444712	7083637	850	4-Sep-11	Lukas and Jason	50-60	c	dark grey	10	30				60	weathered bedrock	moist	evergreen	mid slope
1228916	444727	7083687	833	4-Sep-11	Lukas and Jason	60-70	c	dark grey	10	40				50	weathered bedrock	moist	evergreen	mid slope
1228917	444742	7083736	811	4-Sep-11	Lukas and Jason	60-70	c	dark grey	40	10				50	weathered bedrock	moist	evergreen	mid slope
1228918	444761	7083778	793	4-Sep-11	Lukas and Jason	50-60	c	dark grey	10	70				20	weathered bedrock	moist	evergreen	mid slope
1228919	444773	7083830	782	4-Sep-11	Lukas and Jason	40-50	c	dark grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228920	444791	7083876	769	4-Sep-11	Lukas and Jason	40-50	c	dark grey	15					85	weathered bedrock	moist	evergreen	mid slope
1228921	444802	7083926	750	4-Sep-11	Lukas and Jason	50-60	c	dark grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228922	444804	7084026	715	4-Sep-11	Lukas and Jason	60-70	c	dark grey	15	10				75	weathered bedrock	moist	evergreen	mid slope
1228923	444811	7084070	704	4-Sep-11	Lukas and Jason	50-60	c	dark grey	40					60	weathered bedrock	moist	evergreen	mid slope
1228924	444814	7084126	691	4-Sep-11	Lukas and Jason	40-50	c	dark grey	50					50	weathered bedrock	moist	evergreen	mid slope
1228925	444814	7084174	684	4-Sep-11	Lukas and Jason	60-70	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1228926	444823	7084222	680	4-Sep-11	Lukas and Jason	40-50	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1228927	444818	7084282	673	4-Sep-11	Lukas and Jason	40-50	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1228928	444821	7084334	671	4-Sep-11	Lukas and Jason	30-40	c	light brown						100	weathered bedrock	moist	evergreen	mid slope
1228929	444833	7084376	671	4-Sep-11	Lukas and Jason	40-50	c	light brown	5					95	weathered bedrock	moist	evergreen	mid slope
1228930	444835	7084430	665	4-Sep-11	Lukas and Jason	20-30	c	light brown	50					50	weathered bedrock	moist	evergreen	valley bottom
1228931	444833	7084478	655	4-Sep-11	Lukas and Jason	50-60	c	light grey	5	5				90	weathered bedrock	moist	evergreen	valley bottom
1228932	444842	7084523	654	4-Sep-11	Lukas and Jason	30-40	c	light brown	30	20				50	weathered bedrock	moist	evergreen	valley bottom
1228933	444824	7084581	650	4-Sep-11	Lukas and Jason	40-50	c	light brown	5	10				85	weathered bedrock	moist	evergreen	valley bottom

Appendix II: Silt Sample Descriptions

Silt Sample Descriptions

Seattle Property

UTM NAD83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date taken	Sampler	Sample environment	Medium	Medium depth (m)	Medium width (m)	Bank type	Water colour	Vegetation cover
1225906	445683	7084228	707	4-Sep-11	Dan	slow stream	spring	0.1	0.4	organics	clear	moss
1225705	444906	7083465	787	4-Sep-11	Michael	low energy area	creek	0.3	1	organics	clear	evergreen

Appendix III: Rock Sample Descriptions

Rock Sample Descriptions

Seattle Property

UTM NAD83 Zone 8

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

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Description
1222745	445976	7082841	1078	4-Sep-11	Richard	Gossan, QV + stockwork within greywacke. Offsets in QV. Quartz crystals in rusted out cavities.
1222746	445976	7082840	712	4-Sep-11	Richard	Same location as 1222745 gossan, wallrock, rusted.
1222747	446525	7082821	1087	4-Sep-11	Richard	West of 1222745. Vent in rubble. QV in metased. Spec of cpy.
1222748	446096	7083026	966	4-Sep-11	Richard	Heavily oxidized metaseds.
1222749	446005	7082167	1178	5-Sep-11	Richard	Frost heave, too large to uplift. Silicified metaseds. Fresh py on fractures.
1222750	446466	7082210	1152	5-Sep-11	Richard	Subcrop. Too large to extract. Metaseds with sulfur stains, stockwork and py (possible cpy), very dense rock. Recrystallized quartz.
1222751	446560	7082149	1155	5-Sep-11	Richard	OC of metaseds, conglomerate, small, vertical vent. Good sulfur, and acidic halo. 3m wide zone of intensity.
1222752	446940	7082474	1121	5-Sep-11	Richard	Old trench. Qtz vein within metaseds. Qtz vugs where high in Fe, rusty cleavages. Cpy, possible bornite.
1222753	446923	7082486	1122	5-Sep-11	Richard	25m from 1222752. 125 degree strike. Test pit. Mineralized metaseds. Fe and rust only visible. Smokey qtz.
1222754	447112	7082558	1121	5-Sep-11	Richard	Subcrop. Qtz chlorite with remnant fresh py up to 4mm. Cavities up to 1cm. Possible just a seam in the metaseds, on side hill with low intensity deformed schist.
1222755	446902	7082617	1120	5-Sep-11	Richard	Small boulder field in moss. 1 large, weathered sulphide vein. Sample is silicifed metaseds with 2 inch QV, py and potential cpy + some qtz crystals.
1224367	445454	7083151	1013	4-Sep-11	Dan	Outcrop of quartzite and metaseds. However, this sample from a 1 ft wide seam that appears to be an ultramafic intrusive or possibly amphibolite. Metallic mineralization, stibnite?
1225870	446047	7082588	1155	4-Sep-11	Michael	Float? Subcrop? Possible old (1960s) hand pit in felsenmere. Ferricrete textured vein gouge. Rusty, cooked up throughout. Siderite, Mn, sphalerite? Subrounded +angular clasts of greywacke? (non-foliated seds) rare qtz clasts and/or veinlets.
1225871	446046	7082591	1154	4-Sep-11	Michael	Grab, float? Subcrop? Possible old hand pit in felsenmere (1960s). Breccia textures, 25% qtz. Rusty multi directional QV clasts, siderite?, sphalerite? Some fresh qtz crystals up to 1cm coated w brown O2 and or MnO2 filling voids.
1225872	446045	7082591	1153	4-Sep-11	Michael	Grab, float or subcrop from 1960s, possible old hand dug pit. Qtz poor breccia. Resembles ferrocrete textures. Mn Rich, siderite? Rusty sphalerite? Large angular + tabular clasts up to 2cm x 5cm . Same clasts of phylitic material? Lineated quartzite?
1225873	446047	7082600	1152	4-Sep-11	Michael	Grab, float or subcrop? Competant quartzite with qtz swell along graphitic concordant H2. rusty HZs. Siderite, clay alteration in pockets, orange and yellow.
1225874	445354	7082568	1122	4-Sep-11	Michael	Grab, float, black phyllite? Black quartzite? Ductile deformation with rusty, liiminitic clays. Rare fresh silica/micro QVs, "very cooked up" clasts.
1225875	446032	7082602	1151	5-Sep-11	Michael	Grab, Float ? Subcrop? 1960s shallow cat trench. Lineated quartzite with limonitic zones. Much Mn coatings over siderite. Some rare narrow zones of QVs cutting schistosity/lineatations.
1225876	446153	7082572	1162	5-Sep-11	Michael	Grab-subcrop. Breccia. Fine grained grey powdery graphitic mixed matrix w silicified quartzite angular +remelted clasts. Clasts of white QVs + subrounded white qtz clasts. Some zones grading to more carbon content. From area of intense resilicification(s).
1225877	446155	7082566	1162	5-Sep-11	Michael	From 6cm wide brecciated HZ in intensely silicifed, non lineated quartzite. Fine grained, powdery, light grey qtz matrix. Some limonite zones. Angular clasts+flakes of dark grey quartzite.
1225878	445937	7082564	1157	5-Sep-11	Michael	Grab, float. Gneissic textured, like amphibolite. Well lineated. Chloritic. Rare FeO2 weathering on surface and fractures. Not of glacial origins.
1225879	445910	7082571	1161	5-Sep-11	Michael	Grab float from shallow hand dug pit. Graphitic/carbonaceous metaseds. Breccia like texture. Clasts of seds+qtz. Limonitic zones+pockets from top of tight fold, rare qtz sweats.

Appendix IV: Soil Sample Assay Certificates

Note: Certificates WHI11001420.1 and WHI11001421.1 contain results for additional Goldspike Exploration properties. See Appendix I for a list of samples from the Seattle Property.

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 09, 2011
Report Date: November 09, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001420.1

CLIENT JOB INFORMATION

Project: MQ+SEA
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	320	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.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

	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
1227725	Soil	0.8	25.5	11.6	51	<0.1	19.6	7.4	150	2.16	12.5	9.6	4.6	8	<0.1	1.2	0.2	33	0.09	0.043	17
1227726	Soil	1.0	32.5	19.3	64	<0.1	22.7	9.6	260	2.69	17.3	3.1	9.9	7	<0.1	3.6	0.3	29	0.04	0.025	33
1227727	Soil	0.8	27.3	13.9	67	0.1	25.0	9.7	286	2.45	15.3	3.2	7.3	16	<0.1	2.5	0.2	30	0.18	0.056	28
1227728	Soil	0.8	38.0	20.9	70	<0.1	29.8	13.4	386	3.09	21.6	4.1	11.4	7	0.1	3.2	0.3	29	0.04	0.033	37
1227729	Soil	0.7	44.2	22.3	90	<0.1	41.4	17.3	391	4.38	18.8	4.4	18.3	6	<0.1	6.2	0.3	27	0.03	0.025	52
1227730	Soil	1.2	19.6	15.2	51	<0.1	18.0	7.7	228	2.78	11.2	2.5	5.6	12	<0.1	0.6	0.2	69	0.10	0.019	19
1227731	Soil	0.9	26.8	16.1	57	0.1	25.0	10.8	229	2.88	13.2	3.1	7.8	7	<0.1	0.8	0.2	44	0.05	0.025	20
1227732	Soil	0.8	25.3	16.7	53	<0.1	23.5	10.7	245	2.68	10.8	3.3	8.0	8	<0.1	1.1	0.2	37	0.05	0.021	30
1227733	Soil	0.6	27.2	15.3	58	<0.1	22.7	8.4	230	2.53	17.9	3.5	11.2	7	<0.1	2.4	0.2	26	0.04	0.021	40
1227734	Soil	1.0	14.1	13.7	52	<0.1	19.7	8.7	152	2.50	14.9	15.5	3.8	6	0.2	0.9	0.2	43	0.06	0.054	11
1227735	Soil	1.1	22.1	17.9	62	<0.1	23.3	10.2	246	2.87	12.8	3.1	7.3	8	0.1	0.8	0.2	53	0.06	0.018	24
1227736	Soil	0.9	28.8	17.2	62	<0.1	24.8	10.7	242	2.84	10.2	2.8	9.2	8	<0.1	0.8	0.2	45	0.05	0.019	30
1227737	Soil	0.7	29.8	18.3	53	<0.1	27.9	9.3	159	2.57	10.2	4.9	10.7	6	<0.1	0.9	0.2	29	0.03	0.017	30
1227738	Soil	0.8	52.4	18.1	73	<0.1	40.3	20.0	418	3.97	10.5	3.5	15.1	7	<0.1	1.1	0.3	41	0.04	0.027	55
1227739	Soil	0.8	36.7	18.9	75	<0.1	32.1	13.1	218	3.29	8.2	2.4	17.4	7	<0.1	0.6	0.3	19	0.03	0.025	52
1227740	Soil	0.8	31.4	20.0	54	<0.1	19.6	10.0	150	3.01	5.5	12.8	17.7	8	<0.1	1.6	0.3	20	0.02	0.026	52
1227741	Soil	0.9	32.7	24.5	71	<0.1	28.5	12.8	221	3.25	5.5	2.1	19.5	8	<0.1	2.0	0.3	18	0.02	0.028	57
1227742	Soil	1.0	26.2	16.8	58	<0.1	23.7	11.5	216	2.72	9.4	3.4	10.5	9	<0.1	1.8	0.2	35	0.05	0.021	31
1227743	Soil	0.9	26.1	11.8	55	<0.1	21.4	8.1	197	2.40	9.6	2.5	7.4	9	<0.1	0.9	0.2	36	0.07	0.017	25
1227744	Soil	0.8	17.8	12.1	42	<0.1	15.2	5.5	147	2.01	9.5	2.4	4.9	15	<0.1	0.8	0.2	36	0.19	0.036	20
1227745	Soil	1.5	57.5	28.5	78	<0.1	133.9	29.6	928	4.78	13.7	3.6	14.2	51	<0.1	2.0	0.3	85	1.14	0.077	44
1227746	Soil	1.7	41.4	19.8	57	<0.1	35.9	17.8	376	3.71	8.4	2.8	9.5	8	0.2	0.7	0.3	69	0.07	0.029	29
1227747	Soil	1.4	32.4	11.4	79	<0.1	26.0	10.4	346	2.58	11.7	4.3	6.8	16	<0.1	1.2	0.2	41	0.17	0.059	20
1227748	Soil	0.7	23.9	8.7	49	<0.1	19.9	8.7	238	2.19	6.1	3.8	7.1	8	<0.1	0.6	0.2	31	0.08	0.029	27
1227749	Soil	0.8	23.5	14.1	48	<0.1	19.6	7.5	246	2.15	9.9	2.8	4.7	13	0.2	1.0	0.2	38	0.14	0.031	20
1227750	Soil	0.9	15.5	13.4	40	<0.1	14.8	6.1	144	2.08	9.7	1.9	5.8	8	<0.1	0.7	0.2	43	0.07	0.029	19
1227751	Soil	0.7	16.1	13.1	43	<0.1	18.7	7.1	135	2.06	10.9	1.1	5.3	10	<0.1	1.1	0.1	34	0.11	0.021	16
1227752	Soil	0.8	16.0	14.5	51	<0.1	20.0	8.0	177	2.87	4.6	1.0	10.8	17	<0.1	0.4	0.2	29	0.22	0.026	37
1227753	Soil	0.5	31.8	21.6	62	<0.1	30.4	16.1	565	2.98	7.5	3.4	13.5	26	<0.1	1.0	0.2	17	0.37	0.032	36
1227754	Soil	0.7	37.3	39.1	67	0.1	31.3	14.3	494	3.01	31.0	8.2	9.6	39	0.9	2.1	0.3	18	0.67	0.044	26

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

		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
1227725	Soil		20	0.35	133	0.027	1	1.09	0.004	0.03	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1227726	Soil		20	0.38	122	0.022	1	1.20	0.004	0.04	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1227727	Soil		20	0.40	223	0.028	2	1.02	0.006	0.05	0.4	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1227728	Soil		21	0.39	116	0.023	1	1.22	0.004	0.05	0.3	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
1227729	Soil		28	0.71	93	0.012	<1	2.04	0.005	0.04	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1227730	Soil		34	0.46	241	0.063	1	1.99	0.007	0.04	0.2	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
1227731	Soil		28	0.38	127	0.030	1	1.61	0.003	0.04	0.2	0.03	2.8	<0.1	<0.05	4	0.6	<0.2
1227732	Soil		23	0.35	158	0.026	1	1.45	0.004	0.03	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1227733	Soil		19	0.33	91	0.022	<1	1.08	0.004	0.06	0.4	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1227734	Soil		22	0.28	87	0.030	2	1.35	0.004	0.03	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1227735	Soil		30	0.43	176	0.043	1	1.85	0.005	0.04	0.2	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
1227736	Soil		27	0.39	175	0.034	1	1.53	0.005	0.04	0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
1227737	Soil		18	0.22	120	0.016	<1	1.18	0.003	0.03	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1227738	Soil		34	0.66	158	0.013	<1	1.64	0.005	0.04	0.1	0.03	4.1	<0.1	<0.05	5	0.5	<0.2
1227739	Soil		12	0.14	92	0.011	<1	0.62	0.006	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1227740	Soil		12	0.11	72	0.010	<1	0.67	0.004	0.05	<0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1227741	Soil		12	0.13	92	0.007	<1	0.61	0.004	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1227742	Soil		21	0.34	155	0.022	<1	1.30	0.005	0.04	0.2	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
1227743	Soil		21	0.36	204	0.029	<1	1.20	0.005	0.04	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1227744	Soil		20	0.29	189	0.023	1	1.09	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1227745	Soil		168	2.12	227	0.020	<1	2.70	0.005	0.07	<0.1	0.03	10.7	<0.1	<0.05	8	<0.5	<0.2
1227746	Soil		41	0.73	242	0.026	1	2.92	0.006	0.04	0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1227747	Soil		22	0.43	346	0.038	2	1.27	0.006	0.04	0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1227748	Soil		19	0.40	177	0.024	<1	1.15	0.004	0.04	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1227749	Soil		23	0.38	270	0.034	1	1.20	0.008	0.04	0.2	0.02	2.5	<0.1	<0.05	3	0.6	<0.2
1227750	Soil		20	0.30	163	0.029	1	1.25	0.004	0.03	0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1227751	Soil		18	0.30	151	0.016	<1	1.07	0.003	0.05	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1227752	Soil		15	0.31	148	0.007	<1	1.16	0.003	0.07	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1227753	Soil		14	0.26	210	0.005	<1	0.86	0.004	0.07	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1227754	Soil		14	0.26	177	0.007	2	0.84	0.016	0.08	0.1	0.03	2.1	<0.1	0.07	2	0.6	<0.2

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Report Date: November 09, 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
1227755	Soil	0.7	29.6	29.3	67	0.1	26.9	10.5	321	2.56	13.9	3.9	8.6	33	0.6	1.3	0.2	23	0.54	0.047	26
1227756	Soil	0.5	26.9	18.0	63	<0.1	23.7	10.2	308	2.72	12.3	10.8	13.0	23	<0.1	1.5	0.2	20	0.34	0.050	36
1227757	Soil	0.8	27.2	15.5	53	0.1	23.9	9.4	371	2.37	15.6	3.5	6.7	28	0.1	1.1	0.2	37	0.42	0.053	22
1227758	Soil	0.7	42.7	23.3	71	0.1	31.5	14.3	523	3.13	14.1	3.0	12.8	27	0.1	0.9	0.3	25	0.32	0.043	33
1227759	Soil	0.7	24.4	16.7	45	0.1	21.4	8.3	289	2.00	10.4	2.6	4.5	51	0.3	0.9	0.2	26	0.92	0.054	15
1227760	Soil	0.9	23.3	12.6	50	0.1	20.7	9.2	390	2.14	12.4	3.0	5.0	24	<0.1	0.7	0.2	33	0.37	0.061	16
1227761	Soil	0.6	27.0	10.7	45	0.1	23.3	7.5	393	1.89	10.1	3.8	3.5	37	0.3	0.9	0.2	34	0.53	0.062	14
1227762	Soil	0.8	26.3	15.6	63	0.3	24.8	9.8	309	2.57	809.9	98.2	8.2	23	0.2	3.4	0.3	17	0.25	0.042	25
1227763	Soil	0.9	38.4	16.1	58	0.2	32.3	11.6	491	2.66	24.5	3.6	3.9	43	0.4	1.6	0.2	23	0.63	0.058	16
1227764	Soil	0.3	16.1	9.3	38	0.1	12.3	6.1	215	1.08	5.7	4.8	3.7	25	0.1	0.7	0.2	21	0.37	0.053	14
1227765	Soil	1.2	35.6	16.5	66	0.2	27.4	10.6	428	2.75	15.4	1.9	5.7	27	0.2	1.0	0.3	21	0.41	0.045	19
1227766	Soil	1.8	19.3	17.9	63	<0.1	22.5	8.2	231	2.98	39.6	10.5	5.6	9	0.2	2.3	0.3	27	0.10	0.025	17
1227767	Soil	1.0	22.4	12.4	52	<0.1	18.6	6.7	251	2.57	9.1	7.5	4.6	13	0.1	0.7	0.2	35	0.11	0.030	19
1227768	Soil	0.9	10.1	11.8	38	<0.1	12.3	4.7	136	2.45	9.3	4.4	2.8	8	<0.1	0.6	0.2	27	0.06	0.024	16
1227769	Soil	1.3	31.8	9.1	49	0.3	15.8	4.0	162	2.17	11.0	0.7	0.9	11	0.2	0.8	0.3	22	0.06	0.038	19
1227770	Soil	1.0	15.1	10.5	47	<0.1	14.3	5.0	155	2.30	9.6	1.2	0.9	9	0.1	0.6	0.2	26	0.10	0.051	16
1227771	Soil	1.1	20.3	9.8	37	0.1	12.6	4.1	137	1.77	5.5	3.5	0.4	9	0.1	0.6	0.2	24	0.07	0.042	21
1227772	Soil	1.3	29.8	9.8	56	0.2	18.2	7.7	224	2.22	10.3	3.1	4.0	15	0.2	0.7	0.2	29	0.15	0.041	20
1227773	Soil	1.7	30.1	14.1	67	0.2	18.1	8.0	294	2.74	14.2	2.4	3.8	11	0.2	0.8	0.2	29	0.08	0.049	20
1227774	Soil	1.2	18.8	13.3	47	0.2	14.9	5.5	199	3.48	15.0	2.1	4.5	8	<0.1	0.8	0.2	26	0.07	0.036	14
1227775	Soil	1.2	36.4	9.4	52	0.2	18.3	7.1	299	2.12	8.5	1.8	3.7	13	<0.1	0.6	0.2	23	0.10	0.028	21
1227776	Soil	1.6	60.9	12.4	63	<0.1	23.4	10.7	608	2.32	6.3	1.9	3.3	10	0.1	0.4	0.3	19	0.04	0.028	20
1227777	Soil	1.1	25.3	12.4	42	<0.1	13.7	6.3	218	2.29	9.3	6.6	3.6	9	0.1	0.6	0.2	35	0.06	0.029	19
1227778	Soil	1.0	14.8	12.7	43	0.1	12.5	5.5	162	2.46	11.2	4.8	3.9	7	0.1	0.7	0.2	39	0.04	0.026	15
1227779	Soil	1.9	19.5	11.1	54	<0.1	16.1	6.3	279	2.72	15.0	1.0	3.4	7	<0.1	1.0	0.2	28	0.05	0.032	14
1227780	Soil	2.2	23.4	15.5	72	<0.1	19.8	7.4	334	3.65	16.9	5.0	5.3	12	0.2	0.9	0.3	37	0.08	0.033	16
1227781	Soil	1.1	28.6	12.9	62	<0.1	22.2	10.1	285	2.64	13.4	1.9	4.1	8	0.2	0.8	0.2	16	0.07	0.039	15
1227782	Soil	1.0	46.8	11.0	57	<0.1	22.8	7.6	319	2.38	8.4	15.6	4.9	9	0.1	0.6	0.2	24	0.06	0.025	21
1227783	Soil	1.2	30.9	9.3	58	<0.1	21.0	7.6	316	2.19	7.3	1.9	4.5	16	0.1	0.7	0.2	27	0.12	0.024	20
1227784	Soil	1.0	25.3	9.7	55	<0.1	19.0	7.5	272	2.11	8.6	<0.5	2.9	13	<0.1	0.6	0.2	28	0.12	0.036	19

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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
1227755	Soil	15	0.33	202	0.015	2	0.92	0.013	0.06	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1227756	Soil	16	0.34	155	0.011	<1	0.96	0.007	0.05	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1227757	Soil	20	0.34	283	0.030	1	1.13	0.008	0.05	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1227758	Soil	19	0.45	206	0.015	1	1.25	0.007	0.07	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1227759	Soil	16	0.31	258	0.020	2	1.00	0.011	0.05	0.2	0.03	2.0	<0.1	0.08	3	<0.5	<0.2
1227760	Soil	19	0.34	303	0.023	2	1.06	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	3	0.6	<0.2
1227761	Soil	16	0.32	330	0.018	3	0.86	0.007	0.04	0.3	0.02	2.0	<0.1	0.11	2	1.4	<0.2
1227762	Soil	13	0.22	214	0.009	2	0.62	0.005	0.06	0.2	0.05	1.7	<0.1	0.09	2	0.6	<0.2
1227763	Soil	18	0.36	348	0.013	1	1.09	0.007	0.04	0.3	0.03	2.0	<0.1	0.10	3	0.8	<0.2
1227764	Soil	12	0.27	162	0.019	1	0.63	0.007	0.03	0.2	0.02	1.2	<0.1	0.08	2	<0.5	<0.2
1227765	Soil	18	0.42	307	0.022	1	1.33	0.008	0.06	0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1227766	Soil	24	0.41	97	0.030	1	1.43	0.007	0.06	0.6	<0.01	1.9	0.1	<0.05	5	0.6	<0.2
1227767	Soil	26	0.41	224	0.039	1	1.58	0.006	0.04	0.2	0.04	3.1	0.2	<0.05	5	0.7	<0.2
1227768	Soil	22	0.31	114	0.037	2	1.33	0.004	0.03	0.1	0.02	1.8	0.1	<0.05	5	0.8	<0.2
1227769	Soil	21	0.31	116	0.019	2	1.10	0.005	0.04	0.2	0.02	1.2	0.3	<0.05	4	1.5	<0.2
1227770	Soil	23	0.33	99	0.021	2	1.36	0.005	0.04	0.2	0.02	1.3	0.2	<0.05	4	1.3	<0.2
1227771	Soil	19	0.29	143	0.026	<1	1.07	0.005	0.03	0.1	0.03	0.8	0.2	<0.05	4	0.8	<0.2
1227772	Soil	24	0.43	180	0.044	2	1.29	0.007	0.04	0.2	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
1227773	Soil	28	0.42	192	0.036	1	1.59	0.006	0.05	0.2	0.02	3.2	0.3	<0.05	5	0.8	<0.2
1227774	Soil	27	0.39	115	0.035	2	1.68	0.005	0.04	0.2	0.04	2.3	0.2	<0.05	4	0.5	<0.2
1227775	Soil	21	0.45	211	0.035	<1	1.28	0.006	0.04	0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
1227776	Soil	18	0.60	193	0.019	1	1.24	0.004	0.04	<0.1	<0.01	1.2	0.1	<0.05	4	<0.5	<0.2
1227777	Soil	24	0.34	134	0.040	2	1.50	0.004	0.04	0.1	0.03	2.4	0.2	<0.05	5	0.7	<0.2
1227778	Soil	22	0.31	95	0.035	<1	1.32	0.004	0.03	0.1	0.04	1.8	0.1	<0.05	5	1.8	<0.2
1227779	Soil	22	0.32	70	0.039	<1	1.24	0.004	0.05	0.2	0.03	1.7	0.1	<0.05	5	0.6	<0.2
1227780	Soil	35	0.47	149	0.047	1	2.07	0.006	0.06	0.2	0.03	2.5	0.2	<0.05	6	1.9	<0.2
1227781	Soil	23	0.37	171	0.031	1	1.61	0.006	0.05	0.1	0.02	2.2	0.1	<0.05	4	1.2	<0.2
1227782	Soil	22	0.47	310	0.033	1	1.36	0.008	0.04	0.1	0.03	2.2	<0.1	<0.05	4	0.9	<0.2
1227783	Soil	22	0.45	393	0.044	<1	1.18	0.007	0.04	0.2	0.01	2.2	<0.1	<0.05	4	0.6	<0.2
1227784	Soil	22	0.42	236	0.042	<1	1.30	0.006	0.04	0.2	<0.01	2.3	0.1	<0.05	4	0.7	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

		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
1227785	Soil		0.8	21.3	9.4	55	<0.1	16.4	6.0	208	1.97	7.2	1.8	2.5	12	0.2	0.7	0.1	20	0.12	0.044	17
1227786	Soil		1.1	16.8	12.0	60	<0.1	15.0	7.4	284	2.31	12.0	<0.5	0.5	11	0.2	0.7	0.2	29	0.13	0.076	15
1227787	Soil		0.6	17.0	10.0	37	<0.1	10.1	3.4	106	1.70	8.1	1.7	0.5	9	0.1	0.6	0.2	20	0.09	0.079	16
1227788	Soil		1.6	41.1	11.4	63	0.2	19.2	7.6	287	2.42	16.9	5.8	3.1	11	<0.1	1.1	0.2	27	0.09	0.039	23
1227789	Soil		1.0	31.3	8.0	43	0.1	13.2	3.5	117	1.78	13.4	5.3	1.8	11	0.2	1.2	0.2	12	0.06	0.032	21
1227790	Soil		0.9	12.0	19.3	42	<0.1	10.2	3.6	108	2.12	10.3	2.3	0.4	11	0.5	0.4	0.2	31	0.11	0.063	13
1227791	Soil		0.9	26.3	10.5	63	0.1	20.8	8.7	387	2.13	9.6	5.0	4.5	17	0.1	0.7	0.1	22	0.19	0.060	21
1227792	Soil		1.0	17.5	11.6	49	<0.1	15.7	5.6	155	2.22	10.0	4.6	2.6	9	0.1	0.7	0.2	25	0.09	0.027	17
1227793	Soil		0.8	20.2	15.3	50	<0.1	21.5	8.6	319	2.32	10.0	3.8	4.2	13	<0.1	0.6	0.2	28	0.10	0.019	21
1227794	Soil		0.8	12.1	11.3	37	<0.1	9.4	3.0	87	1.81	8.3	<0.5	0.4	13	<0.1	0.4	0.2	23	0.10	0.087	15
1227795	Soil		0.6	17.6	13.7	44	<0.1	16.6	5.3	159	1.92	10.1	4.6	1.9	10	0.3	0.7	0.2	21	0.09	0.028	19
1227796	Soil		0.9	7.3	13.2	36	<0.1	12.9	5.7	188	2.83	11.3	2.9	4.0	9	<0.1	0.6	0.2	30	0.07	0.020	13
1227797	Soil		1.1	14.7	12.5	50	<0.1	17.0	6.7	189	2.69	15.6	2.3	3.9	7	<0.1	0.8	0.2	46	0.05	0.025	15
1227798	Soil		1.2	21.3	12.9	61	<0.1	19.3	9.7	285	2.83	14.6	5.3	5.6	8	<0.1	0.8	0.2	49	0.07	0.040	20
1228001	Soil		0.9	9.2	19.9	40	<0.1	16.5	7.4	218	2.15	9.7	11.2	3.9	14	<0.1	0.8	0.1	40	0.21	0.015	16
1228002	Soil		2.4	42.1	26.3	88	<0.1	37.6	17.5	545	3.83	8.7	2.6	19.6	24	<0.1	1.3	0.4	16	0.20	0.031	67
1228003	Soil		0.6	28.8	33.1	86	0.2	28.5	11.7	397	2.91	11.8	3.9	13.1	31	0.2	3.3	0.3	20	0.54	0.047	43
1228004	Soil		0.8	26.5	35.8	79	0.3	27.8	11.3	544	2.81	12.8	2.8	9.5	44	0.3	2.9	0.2	22	0.84	0.040	34
1228005	Soil		0.6	29.6	23.9	60	0.2	26.8	11.4	493	2.42	10.7	1.8	4.4	84	0.3	2.2	0.2	20	1.39	0.045	25
1228006	Soil		0.9	27.4	24.7	70	0.1	27.1	10.5	420	2.66	13.5	2.4	8.5	37	0.2	1.8	0.2	30	0.49	0.032	28
1228007	Soil		0.4	21.2	17.3	49	0.2	20.4	7.1	596	1.94	10.1	1.5	3.5	141	0.3	1.6	0.1	20	2.02	0.043	17
1228008	Soil		0.8	27.6	27.5	67	0.2	26.3	10.8	524	2.69	15.2	4.0	7.4	82	0.2	2.4	0.2	22	0.88	0.048	26
1228009	Soil		0.9	18.3	19.8	63	<0.1	27.1	11.5	625	2.48	19.0	1.0	8.4	22	0.1	1.7	0.1	26	0.32	0.056	26
1228010	Soil		0.8	29.0	23.7	61	0.2	25.7	10.0	414	2.55	14.8	2.9	7.1	46	0.2	1.7	0.2	27	0.63	0.051	26
1228011	Soil		0.7	27.9	32.6	74	0.2	26.2	9.2	235	2.58	17.3	1.4	8.6	38	0.3	1.2	0.2	22	0.55	0.037	24
1228012	Soil		0.5	19.7	14.6	60	0.2	18.6	8.0	354	2.11	14.5	2.0	3.9	76	0.3	1.0	0.1	24	1.25	0.060	17
1228013	Soil		0.8	31.0	19.9	70	0.2	26.7	9.5	459	2.46	34.6	3.8	3.4	81	0.4	1.0	0.2	22	1.34	0.054	15
1228014	Soil		0.5	19.7	13.3	52	0.2	21.1	6.1	1037	1.74	14.2	3.0	3.2	60	0.3	0.8	0.1	24	1.03	0.059	15
1228015	Soil		0.9	27.8	17.9	76	0.2	29.4	25.1	941	2.31	21.9	3.1	2.6	87	0.6	0.9	0.1	26	1.53	0.063	13
1228016	Soil		0.9	33.9	21.7	82	0.2	30.9	11.1	386	2.53	39.0	4.1	7.1	29	0.4	2.3	0.2	29	0.49	0.059	25

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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
1227785	Soil	19	0.38	167	0.034	<1	1.12	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	3	0.8	<0.2
1227786	Soil	24	0.33	132	0.021	<1	1.42	0.005	0.04	0.1	0.02	0.9	0.1	<0.05	5	1.4	<0.2
1227787	Soil	19	0.25	104	0.012	<1	1.05	0.004	0.03	0.2	<0.01	0.6	0.2	<0.05	4	1.3	<0.2
1227788	Soil	22	0.35	152	0.029	<1	1.18	0.005	0.04	0.4	<0.01	2.8	0.4	<0.05	4	1.5	<0.2
1227789	Soil	13	0.21	66	0.011	3	0.69	0.004	0.03	0.1	<0.01	0.9	0.6	<0.05	2	1.4	<0.2
1227790	Soil	23	0.30	98	0.013	1	1.29	0.008	0.04	<0.1	0.04	0.6	0.2	<0.05	4	1.0	<0.2
1227791	Soil	21	0.43	336	0.040	<1	1.17	0.007	0.04	0.2	0.03	2.8	<0.1	<0.05	3	1.0	<0.2
1227792	Soil	23	0.36	117	0.030	<1	1.39	0.004	0.03	0.2	0.01	1.5	0.1	<0.05	4	1.2	<0.2
1227793	Soil	26	0.48	200	0.041	<1	1.58	0.008	0.04	0.1	0.02	3.1	0.1	<0.05	5	0.9	<0.2
1227794	Soil	21	0.27	94	0.019	<1	1.23	0.004	0.04	0.1	0.03	0.7	0.1	<0.05	5	1.7	<0.2
1227795	Soil	23	0.36	98	0.030	<1	1.15	0.007	0.03	0.2	<0.01	1.4	0.1	<0.05	4	1.1	<0.2
1227796	Soil	28	0.36	111	0.034	<1	1.70	0.005	0.03	0.1	0.01	2.2	0.1	<0.05	5	1.3	<0.2
1227797	Soil	27	0.42	110	0.023	<1	1.49	0.004	0.04	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1227798	Soil	31	0.46	187	0.034	<1	1.70	0.007	0.05	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
1228001	Soil	21	0.29	133	0.021	<1	1.22	0.006	0.07	0.2	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
1228002	Soil	13	0.21	51	0.022	<1	0.49	0.005	0.05	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
1228003	Soil	14	0.25	126	0.013	<1	0.72	0.006	0.06	0.1	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1228004	Soil	16	0.28	200	0.011	<1	0.86	0.007	0.08	0.1	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1228005	Soil	14	0.30	244	0.011	1	0.82	0.008	0.06	0.2	0.02	1.8	<0.1	0.06	2	<0.5	<0.2
1228006	Soil	18	0.35	334	0.018	<1	1.07	0.012	0.07	0.2	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1228007	Soil	13	0.34	268	0.010	1	0.78	0.010	0.05	0.1	0.04	1.6	<0.1	0.07	2	<0.5	<0.2
1228008	Soil	14	0.35	212	0.008	<1	0.81	0.007	0.05	0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1228009	Soil	14	0.30	155	0.025	<1	0.65	0.006	0.05	0.6	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1228010	Soil	16	0.34	251	0.013	<1	0.97	0.008	0.05	0.2	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1228011	Soil	17	0.43	221	0.008	<1	1.12	0.006	0.07	0.2	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1228012	Soil	17	0.39	216	0.013	1	0.89	0.008	0.06	0.2	0.04	1.9	<0.1	0.09	3	<0.5	<0.2
1228013	Soil	18	0.42	222	0.009	<1	1.00	0.008	0.06	0.1	0.05	2.0	<0.1	0.08	3	<0.5	<0.2
1228014	Soil	16	0.35	275	0.015	1	0.87	0.009	0.05	0.2	0.04	1.8	<0.1	0.07	2	<0.5	<0.2
1228015	Soil	18	0.37	355	0.012	1	0.98	0.009	0.06	<0.1	0.04	1.8	<0.1	0.10	3	<0.5	<0.2
1228016	Soil	20	0.41	212	0.024	1	1.17	0.011	0.11	0.5	0.03	2.5	0.1	<0.05	3	<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
1228017	Soil		0.6	30.2	16.5	68	0.2	24.6	7.7	146	1.77	12.6	2.3	4.4	54	0.4	1.0	0.2	27	0.81	0.055	17
1228018	Soil		0.6	25.1	15.5	70	0.2	21.3	8.4	328	2.07	21.1	1.7	4.4	52	0.3	0.8	0.2	26	0.91	0.056	20
1228019	Soil		0.4	17.9	12.5	72	0.2	18.6	6.9	324	1.85	15.8	2.3	3.9	58	0.3	0.7	0.1	25	0.90	0.058	19
1228020	Soil		1.1	20.6	12.6	63	<0.1	18.6	9.4	269	2.72	13.7	1.6	5.1	10	0.1	0.7	0.2	49	0.09	0.056	22
1228021	Soil		1.2	19.3	12.2	61	<0.1	17.7	6.8	232	2.60	12.1	2.7	2.0	12	0.1	0.8	0.2	55	0.11	0.056	20
1228022	Soil		1.1	24.7	9.4	63	<0.1	20.9	7.2	218	2.19	8.0	2.2	3.2	12	0.1	0.8	<0.1	44	0.11	0.025	21
1228023	Soil		1.0	26.2	9.3	49	<0.1	18.9	6.8	223	2.04	9.6	1.4	3.7	11	0.2	0.7	0.1	39	0.10	0.035	22
1228024	Soil		1.3	17.1	13.0	61	<0.1	19.2	9.3	289	2.79	15.3	3.1	4.1	10	0.2	0.8	0.2	50	0.07	0.042	20
1228025	Soil		1.2	21.5	10.8	49	<0.1	17.4	5.9	178	2.04	8.8	0.9	4.3	10	<0.1	1.1	0.2	37	0.06	0.031	27
1228026	Soil		0.7	24.6	9.0	73	<0.1	32.4	16.3	451	3.38	10.5	<0.5	4.8	13	0.1	0.5	<0.1	58	0.15	0.054	18
1228027	Soil		0.9	25.1	12.1	59	<0.1	32.7	11.9	250	2.71	17.2	3.1	5.0	9	0.1	0.8	0.1	40	0.09	0.030	17
1228028	Soil		1.1	25.8	14.7	61	<0.1	22.1	10.4	312	2.76	13.8	1.7	6.1	10	0.2	0.7	0.1	51	0.08	0.023	21
1228029	Soil		1.0	17.6	13.3	60	0.1	20.6	8.4	271	2.78	14.8	10.2	3.8	10	0.2	0.7	0.1	53	0.08	0.025	18
1228030	Soil		1.0	21.1	11.9	85	0.2	31.7	13.4	615	3.49	19.1	1.7	3.4	11	0.2	0.6	0.1	66	0.10	0.045	17
1228031	Soil		0.9	18.8	14.7	98	0.8	22.0	7.7	327	2.40	13.6	0.6	5.2	11	0.6	0.6	0.2	48	0.12	0.020	17
1228032	Soil		0.9	53.2	30.5	323	1.6	22.7	7.7	440	2.64	13.9	<0.5	6.4	10	1.4	0.6	0.4	44	0.09	0.019	22
1228033	Soil		0.9	21.4	17.6	72	0.4	25.1	8.4	259	2.72	47.7	4.8	8.2	10	0.3	0.7	0.2	34	0.06	0.024	28
1228034	Soil		0.9	30.3	17.1	80	0.4	29.2	10.0	320	2.79	20.6	4.6	9.3	10	0.2	0.9	0.2	46	0.07	0.015	26
1228035	Soil		1.0	24.5	16.2	65	0.2	22.2	8.4	286	2.48	11.1	2.9	7.0	9	0.1	0.8	0.2	36	0.05	0.020	19
1228036	Soil		0.8	31.1	14.0	61	0.2	21.9	8.4	229	2.45	16.0	7.9	6.7	7	0.1	1.0	0.2	38	0.04	0.017	18
1228037	Soil		1.3	16.0	15.1	95	0.2	23.0	9.7	254	2.77	14.8	1.8	5.7	8	0.2	0.8	0.2	50	0.05	0.039	13
1228038	Soil		0.9	13.9	21.8	114	0.4	19.6	9.6	231	3.04	14.3	1.1	8.2	10	0.5	0.4	0.3	39	0.06	0.055	22
1228039	Soil		0.8	18.5	27.9	80	0.3	20.1	11.5	603	2.87	13.6	1.1	2.8	17	0.3	0.4	0.2	55	0.19	0.040	13
1228040	Soil		0.9	17.8	20.6	69	0.2	22.2	9.0	293	2.75	13.4	3.8	4.3	12	0.2	0.6	0.3	51	0.10	0.021	13
1228041	Soil		0.9	22.5	13.9	64	<0.1	20.6	8.7	333	2.25	12.9	2.4	5.1	14	0.1	0.7	0.2	36	0.13	0.029	17
1228042	Soil		1.0	20.9	14.4	75	0.3	22.1	9.0	341	2.69	14.2	4.1	6.6	12	0.2	0.6	0.3	41	0.10	0.029	18
1228043	Soil		1.0	21.7	13.9	77	0.5	20.3	9.6	577	2.48	11.3	2.4	3.5	10	0.3	0.6	0.3	36	0.07	0.060	18
1228044	Soil		1.0	26.6	14.0	70	0.3	25.4	9.8	302	2.89	13.4	3.1	8.8	13	0.1	0.7	0.3	41	0.06	0.020	24
1228045	Soil		0.8	20.9	10.9	56	0.3	18.6	7.2	232	2.35	15.2	6.3	4.6	10	0.2	0.8	0.3	43	0.06	0.037	14
1228046	Soil		1.1	28.9	13.5	91	0.5	21.5	11.9	526	2.68	17.3	3.0	5.2	12	0.2	0.6	0.2	62	0.10	0.035	15

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

		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
1228017	Soil		19	0.41	328	0.013	<1	1.02	0.009	0.06	0.1	0.06	2.2	<0.1	0.10	3	<0.5	<0.2
1228018	Soil		17	0.37	205	0.017	<1	0.93	0.008	0.06	0.3	0.05	2.1	<0.1	0.05	3	<0.5	<0.2
1228019	Soil		16	0.41	234	0.018	2	0.87	0.010	0.06	0.2	0.04	1.7	<0.1	0.06	2	<0.5	<0.2
1228020	Soil		30	0.46	173	0.038	<1	1.72	0.006	0.05	0.2	0.04	3.8	0.2	<0.05	4	<0.5	<0.2
1228021	Soil		30	0.42	186	0.030	<1	1.63	0.006	0.05	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
1228022	Soil		25	0.40	186	0.038	<1	1.25	0.007	0.04	0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1228023	Soil		24	0.37	133	0.034	<1	1.13	0.006	0.04	0.2	0.03	2.3	0.3	<0.05	3	<0.5	<0.2
1228024	Soil		29	0.42	174	0.039	<1	1.62	0.007	0.05	0.2	0.04	3.3	0.2	<0.05	5	<0.5	<0.2
1228025	Soil		24	0.31	142	0.026	<1	1.12	0.005	0.05	0.3	0.03	2.1	0.4	<0.05	4	<0.5	<0.2
1228026	Soil		34	1.04	213	0.089	<1	2.03	0.005	0.07	0.1	0.02	4.9	0.2	<0.05	7	<0.5	<0.2
1228027	Soil		30	0.46	165	0.029	<1	1.63	0.006	0.05	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1228028	Soil		32	0.49	200	0.046	<1	1.80	0.008	0.05	0.1	0.05	4.1	0.1	<0.05	5	<0.5	<0.2
1228029	Soil		35	0.52	162	0.042	<1	1.81	0.007	0.05	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
1228030	Soil		55	0.93	184	0.052	<1	2.19	0.006	0.06	0.1	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1228031	Soil		29	0.43	195	0.023	<1	1.66	0.005	0.05	0.1	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1228032	Soil		28	0.42	177	0.028	<1	1.73	0.008	0.06	0.1	0.03	2.7	0.3	<0.05	5	<0.5	<0.2
1228033	Soil		20	0.37	146	0.016	<1	1.34	0.004	0.07	0.1	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
1228034	Soil		29	0.44	210	0.035	<1	1.70	0.006	0.06	0.2	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
1228035	Soil		23	0.46	159	0.029	2	1.29	0.006	0.03	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1228036	Soil		25	0.41	152	0.033	<1	1.37	0.009	0.04	0.2	0.05	3.4	0.1	<0.05	4	<0.5	<0.2
1228037	Soil		28	0.44	181	0.032	<1	1.75	0.007	0.05	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1228038	Soil		20	0.28	189	0.010	<1	1.69	0.004	0.06	0.1	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
1228039	Soil		46	0.60	315	0.033	<1	1.62	0.006	0.04	0.2	0.02	2.6	0.1	<0.05	6	0.7	<0.2
1228040	Soil		41	0.52	262	0.034	<1	1.70	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1228041	Soil		26	0.49	254	0.029	<1	1.18	0.006	0.04	0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1228042	Soil		29	0.52	180	0.023	<1	1.47	0.005	0.05	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1228043	Soil		23	0.46	178	0.017	<1	1.43	0.005	0.05	0.2	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
1228044	Soil		30	0.53	206	0.029	<1	1.77	0.006	0.07	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1228045	Soil		23	0.43	153	0.024	1	1.35	0.005	0.05	0.2	0.02	2.0	0.2	<0.05	4	<0.5	<0.2
1228046	Soil		31	0.47	331	0.030	<1	1.93	0.007	0.06	0.2	0.02	3.2	0.2	<0.05	5	<0.5	<0.2

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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
1228047	Soil	1.3	20.7	15.4	52	0.6	17.3	6.0	199	2.26	15.2	2.4	1.9	18	0.1	1.6	0.5	48	0.09	0.035	14
1228048	Soil	0.9	8.5	14.0	56	0.2	14.4	6.3	223	2.26	10.5	2.3	3.5	18	0.1	0.4	0.3	54	0.15	0.053	13
1228049	Soil	1.0	14.9	11.9	45	0.3	14.5	7.7	370	1.94	9.5	0.7	1.8	18	0.3	0.6	0.3	42	0.13	0.045	13
1228050	Soil	1.3	19.4	21.6	56	0.6	17.4	6.4	216	2.38	12.7	1.5	0.6	13	0.2	1.0	0.2	43	0.06	0.035	12
1228051	Soil	1.2	14.7	12.2	48	0.4	11.1	4.7	183	1.53	6.2	7.0	0.5	10	0.3	0.7	0.3	38	0.06	0.048	13
1228052	Soil	1.2	26.4	14.8	70	0.2	21.7	8.6	240	2.95	11.5	3.6	5.5	14	0.1	1.3	0.3	62	0.08	0.027	14
1228053	Soil	1.4	19.4	17.4	54	0.1	16.7	6.1	182	2.22	10.1	2.8	1.1	14	0.1	1.0	0.3	43	0.09	0.038	15
1228054	Soil	1.0	24.4	11.2	49	0.2	16.2	5.9	210	1.98	10.3	0.9	0.5	13	0.4	0.6	0.2	41	0.10	0.048	13
1228055	Soil	1.0	22.8	12.4	59	0.4	19.4	9.6	243	2.60	11.0	3.7	3.1	14	0.1	0.6	0.4	63	0.13	0.023	11
1228056	Soil	1.2	14.9	11.4	51	0.6	10.6	5.6	173	2.31	8.9	1.2	2.3	8	0.2	0.5	0.3	59	0.09	0.045	9
1228057	Soil	0.8	12.7	10.9	47	0.2	11.4	5.3	159	2.04	8.0	11.9	1.0	10	0.6	0.5	0.3	55	0.10	0.047	10
1228058	Soil	1.2	19.4	11.2	54	0.2	17.3	5.7	182	2.07	9.3	12.8	0.4	17	0.4	0.8	0.2	45	0.13	0.048	14
1228059	Soil	1.2	20.6	11.6	52	0.1	17.1	6.4	192	2.10	9.3	2.0	5.3	13	0.1	0.9	0.2	40	0.10	0.024	16
1228060	Soil	1.2	12.2	10.5	37	<0.1	10.6	3.3	134	1.71	8.9	2.0	0.4	13	0.3	0.7	0.3	39	0.08	0.047	16
1228061	Soil	1.5	20.7	12.9	73	0.1	20.0	6.3	203	2.22	10.9	3.0	2.8	21	0.2	1.4	0.3	37	0.18	0.069	15
1228062	Soil	1.7	22.9	12.1	89	0.1	21.8	6.5	176	2.21	10.7	3.1	3.0	26	0.5	1.3	0.3	41	0.24	0.091	16
1228063	Soil	1.9	26.2	14.2	70	0.2	19.4	6.5	192	2.47	11.9	3.2	3.5	17	0.3	1.3	0.3	46	0.14	0.055	17
1228064	Soil	1.7	19.2	12.8	61	0.2	17.5	6.0	121	2.29	11.3	2.6	1.8	19	0.3	0.9	0.3	39	0.17	0.074	16
1228065	Soil	0.9	11.2	9.1	40	0.2	13.0	3.9	87	1.33	5.7	3.1	1.1	17	0.2	0.6	0.2	25	0.14	0.044	12
1228066	Soil	1.0	14.3	10.4	42	0.2	12.4	3.9	98	1.46	7.5	2.7	0.8	14	0.2	0.6	0.3	33	0.12	0.043	12
1228067	Soil	1.3	17.2	9.8	58	0.2	15.4	5.5	153	1.81	9.2	6.2	1.0	17	0.3	0.8	0.2	32	0.16	0.065	15
1228068	Soil	0.7	99.5	21.5	40	0.9	29.1	4.7	270	1.37	2.9	1.9	0.3	50	0.6	0.4	0.3	15	0.37	0.091	41
1228069	Soil	1.1	67.4	10.5	58	0.2	20.6	8.5	233	2.40	11.9	17.5	3.9	15	0.2	0.7	0.6	68	0.17	0.034	12
1228070	Soil	1.0	23.6	11.7	45	<0.1	17.8	7.4	180	2.19	11.3	3.0	4.5	10	<0.1	0.8	0.3	39	0.07	0.017	15
1228071	Soil	1.6	47.6	11.6	128	<0.1	33.9	9.7	243	2.60	12.0	4.3	3.6	11	0.2	4.6	0.3	18	0.11	0.026	12
1228072	Soil	0.7	26.0	9.4	38	0.3	12.8	3.6	100	1.32	5.5	2.7	0.5	17	0.2	0.3	0.3	8	0.14	0.050	12
1228073	Soil	0.9	23.1	8.1	40	0.3	15.4	4.7	132	1.45	5.3	4.8	1.2	14	0.1	0.3	0.2	10	0.13	0.043	13
1228074	Soil	1.1	31.1	10.0	48	0.2	15.9	8.0	453	1.79	6.3	2.0	0.4	19	0.2	0.3	0.2	13	0.14	0.044	15
1228075	Soil	1.6	41.0	15.2	75	0.5	29.9	9.8	139	1.89	8.9	5.3	3.1	31	0.4	0.9	0.5	14	0.25	0.059	16
1228076	Soil	1.1	26.9	9.1	63	0.1	20.5	6.8	183	2.11	9.3	6.0	3.2	19	0.2	0.8	0.2	10	0.22	0.059	17

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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
1228047	Soil	22	0.32	275	0.020	<1	1.29	0.008	0.05	0.3	0.02	1.8	0.5	<0.05	4	0.6	<0.2
1228048	Soil	23	0.36	392	0.029	<1	1.29	0.006	0.05	0.3	0.01	1.7	0.3	<0.05	5	<0.5	<0.2
1228049	Soil	19	0.35	372	0.028	1	1.17	0.006	0.05	0.3	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
1228050	Soil	22	0.41	191	0.020	<1	1.27	0.005	0.04	0.2	0.03	1.1	0.2	<0.05	4	0.7	<0.2
1228051	Soil	14	0.20	179	0.020	<1	0.85	0.006	0.03	0.3	0.02	0.8	0.2	<0.05	4	<0.5	<0.2
1228052	Soil	33	0.53	260	0.035	<1	1.85	0.007	0.04	0.3	0.03	2.7	0.5	<0.05	5	0.5	<0.2
1228053	Soil	24	0.42	186	0.024	1	1.28	0.006	0.04	0.3	0.03	1.5	0.5	<0.05	4	0.6	<0.2
1228054	Soil	20	0.36	253	0.020	<1	1.19	0.006	0.04	0.2	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
1228055	Soil	31	0.49	237	0.052	1	1.89	0.009	0.04	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
1228056	Soil	18	0.23	158	0.032	<1	1.29	0.009	0.03	0.3	0.02	1.4	0.2	<0.05	5	<0.5	<0.2
1228057	Soil	18	0.24	165	0.037	<1	1.24	0.006	0.03	0.2	0.02	1.2	0.1	<0.05	5	0.6	<0.2
1228058	Soil	23	0.39	301	0.022	<1	1.26	0.008	0.04	0.2	0.03	1.2	0.2	<0.05	4	<0.5	<0.2
1228059	Soil	23	0.41	198	0.036	<1	1.32	0.007	0.04	0.3	0.05	2.3	0.2	<0.05	4	<0.5	<0.2
1228060	Soil	16	0.24	211	0.020	<1	0.89	0.005	0.03	0.3	0.02	0.7	0.3	<0.05	4	<0.5	<0.2
1228061	Soil	21	0.39	357	0.022	<1	1.16	0.006	0.04	0.2	0.06	2.2	0.3	<0.05	3	<0.5	<0.2
1228062	Soil	22	0.43	296	0.039	<1	1.15	0.009	0.05	0.2	0.06	2.4	0.3	<0.05	3	<0.5	<0.2
1228063	Soil	25	0.39	350	0.027	<1	1.46	0.006	0.04	0.3	0.07	2.6	0.4	<0.05	4	0.8	<0.2
1228064	Soil	21	0.37	378	0.019	<1	1.23	0.008	0.04	0.3	0.08	1.9	0.4	<0.05	4	0.8	<0.2
1228065	Soil	16	0.29	272	0.015	<1	1.01	0.005	0.03	0.3	0.09	1.2	0.4	<0.05	3	<0.5	<0.2
1228066	Soil	17	0.28	208	0.015	<1	0.98	0.004	0.03	0.3	0.07	1.0	0.4	<0.05	3	0.7	<0.2
1228067	Soil	17	0.33	231	0.019	<1	0.98	0.010	0.03	0.3	0.06	1.3	0.2	<0.05	3	0.6	<0.2
1228068	Soil	14	0.19	579	0.008	<1	0.93	0.008	0.03	<0.1	0.06	0.8	0.2	0.05	2	0.9	<0.2
1228069	Soil	25	0.46	211	0.071	<1	1.70	0.012	0.07	0.3	0.03	3.2	0.3	<0.05	6	<0.5	<0.2
1228070	Soil	22	0.38	220	0.034	<1	1.29	0.006	0.03	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228071	Soil	25	0.39	227	0.041	3	1.53	0.050	0.05	0.2	0.03	1.9	0.1	0.05	4	0.8	<0.2
1228072	Soil	15	0.24	259	0.009	2	0.89	0.005	0.03	0.3	0.08	0.9	0.4	<0.05	3	1.2	<0.2
1228073	Soil	17	0.27	222	0.013	2	0.86	0.004	0.03	0.6	0.08	1.4	0.2	<0.05	3	1.6	<0.2
1228074	Soil	23	0.29	307	0.013	<1	1.00	0.005	0.04	0.2	0.04	0.9	0.2	<0.05	4	1.2	<0.2
1228075	Soil	23	0.35	524	0.017	2	1.28	0.006	0.04	0.2	0.06	2.6	0.2	<0.05	4	1.2	<0.2
1228076	Soil	20	0.37	412	0.022	1	1.09	0.009	0.03	0.2	0.05	2.1	<0.1	<0.05	3	1.3	<0.2

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

		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
1228077	Soil		0.8	9.8	10.7	29	0.1	7.1	2.9	146	1.55	9.4	1.5	0.4	11	0.2	0.4	0.2	16	0.09	0.037	12
1228078	Soil		1.2	20.1	10.1	51	0.1	14.4	5.8	197	2.26	9.7	3.3	2.6	11	<0.1	0.6	0.2	14	0.12	0.039	13
1228079	Soil		1.4	32.0	8.8	61	0.2	20.1	7.4	272	2.08	8.5	4.3	3.9	11	0.2	0.5	0.2	14	0.10	0.032	18
1228080	Soil		1.1	31.6	10.4	50	0.2	16.5	5.3	143	1.73	8.2	3.8	0.7	17	0.2	0.4	0.2	12	0.14	0.056	13
1228081	Soil		1.3	33.9	8.9	65	0.2	21.8	8.7	300	2.09	8.3	4.7	3.7	17	0.1	0.7	0.2	10	0.18	0.062	18
1228082	Soil		1.4	38.8	11.7	51	0.2	18.3	5.8	158	2.05	9.8	2.8	2.9	12	0.1	0.6	0.2	9	0.12	0.044	16
1228083	Soil		1.2	42.9	9.2	61	0.2	20.7	7.5	241	1.90	7.9	4.1	2.4	19	0.2	0.6	0.2	9	0.19	0.061	19
1228084	Soil		1.1	40.7	8.1	65	0.2	21.7	7.4	248	1.85	6.7	3.6	3.3	18	0.2	0.6	0.2	9	0.19	0.059	19
1228085	Soil		1.1	31.0	9.2	50	0.2	15.8	5.3	153	1.76	8.3	22.8	1.8	15	0.1	0.5	0.2	10	0.15	0.053	16
1228086	Soil		1.4	39.3	10.9	62	0.4	19.4	6.2	122	1.77	8.7	7.3	2.4	17	0.1	0.6	0.3	12	0.17	0.053	17
1228087	Soil		2.4	25.5	16.9	64	0.3	18.9	7.6	243	2.74	11.6	<0.5	1.6	16	0.2	0.5	0.3	12	0.16	0.061	14
1228088	Soil		1.6	28.8	14.0	56	0.2	17.6	7.9	195	1.93	8.3	2.8	2.3	15	0.1	0.4	0.3	11	0.16	0.054	14
1228089	Soil		1.7	32.2	11.3	77	0.3	27.2	11.3	393	1.97	8.5	3.2	2.5	22	0.3	0.6	0.3	12	0.25	0.057	16
1228090	Soil		2.0	29.6	14.3	71	0.3	21.8	22.1	995	2.33	10.0	12.7	2.2	16	0.1	0.5	0.3	14	0.19	0.058	15
1228091	Soil		1.3	23.3	11.9	61	0.2	18.2	8.1	162	1.52	6.7	5.2	2.6	15	0.2	0.4	0.2	11	0.17	0.048	14
1228092	Soil		1.1	27.0	9.2	62	0.2	19.8	7.8	245	1.76	10.9	4.7	3.2	22	0.3	0.8	0.2	9	0.33	0.062	15
1228093	Soil		1.4	35.4	11.1	74	0.2	26.6	8.1	334	2.10	14.8	6.9	4.3	23	0.4	0.9	0.2	10	0.42	0.062	15
1228094	Soil		1.1	29.1	10.4	61	0.2	22.3	7.9	314	1.88	12.9	4.6	4.2	19	0.2	0.9	0.2	10	0.34	0.056	15
1228095	Soil		1.9	31.9	9.6	80	0.2	26.7	8.0	283	2.20	12.3	12.3	4.5	26	0.3	1.0	0.2	13	0.39	0.075	14
1228096	Soil		1.2	15.4	9.0	67	0.2	17.2	8.2	541	1.71	9.7	4.4	1.9	37	0.6	0.7	0.2	12	0.72	0.073	11
1228097	Soil		1.1	23.8	8.3	62	0.2	20.0	6.7	385	1.54	7.3	3.9	2.3	21	0.3	0.5	0.2	12	0.33	0.060	13
1228098	Soil		2.1	34.4	12.8	117	0.3	32.7	11.9	639	2.25	14.2	6.9	3.9	27	0.7	0.9	0.3	19	0.51	0.076	14
1228099	Soil		1.4	23.5	11.0	75	0.2	19.0	5.9	136	1.72	16.6	6.4	3.9	20	0.4	0.8	0.2	8	0.32	0.076	14
1228100	Soil		1.5	33.4	12.7	103	0.3	29.9	10.3	509	2.33	18.5	5.6	4.2	29	0.6	1.2	0.2	10	0.55	0.082	15
1228501	Soil		0.6	18.2	12.3	48	<0.1	18.8	6.6	181	2.26	11.3	4.1	7.5	7	<0.1	0.8	0.2	7	0.06	0.015	25
1228502	Soil		0.8	17.1	13.7	51	0.1	17.4	6.6	196	2.03	11.1	40.6	7.8	10	<0.1	0.6	0.2	10	0.13	0.013	26
1228503	Soil		1.0	27.3	17.8	65	<0.1	28.3	10.2	193	2.82	12.5	8.5	9.0	10	<0.1	0.9	0.2	12	0.07	0.016	23
1228504	Soil		0.7	27.5	18.2	65	0.2	26.9	10.2	331	2.68	9.5	5.0	11.2	22	<0.1	1.0	0.3	7	0.47	0.036	33
1228505	Soil		0.6	25.7	23.7	67	<0.1	29.5	10.4	498	2.93	13.0	3.2	10.7	19	0.1	1.4	0.3	8	0.34	0.045	33
1228506	Soil		0.7	26.0	16.4	60	0.2	26.7	8.8	326	2.53	9.8	4.9	8.7	18	<0.1	0.9	0.2	7	0.35	0.033	28

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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
1228077	Soil	14	0.16	215	0.017	2	0.81	0.005	0.03	0.1	0.02	0.7	0.1	<0.05	4	<0.5	0.2
1228078	Soil	23	0.34	175	0.019	2	1.25	0.004	0.03	0.2	0.04	1.7	0.2	<0.05	4	0.5	<0.2
1228079	Soil	22	0.37	194	0.024	2	1.22	0.005	0.04	0.2	0.03	2.1	0.2	<0.05	4	0.6	<0.2
1228080	Soil	18	0.29	219	0.011	<1	1.04	0.005	0.03	0.2	0.04	1.3	0.2	<0.05	3	0.7	<0.2
1228081	Soil	18	0.40	301	0.022	<1	1.13	0.005	0.04	0.3	0.07	2.0	0.1	<0.05	3	0.7	<0.2
1228082	Soil	20	0.33	250	0.015	<1	1.20	0.004	0.03	0.2	0.05	1.9	0.1	<0.05	4	0.7	<0.2
1228083	Soil	20	0.38	363	0.022	2	1.18	0.006	0.04	0.2	0.06	2.2	0.1	<0.05	4	<0.5	<0.2
1228084	Soil	20	0.39	359	0.027	<1	1.20	0.007	0.04	0.2	0.06	2.3	0.1	<0.05	3	0.6	<0.2
1228085	Soil	19	0.33	210	0.018	2	1.07	0.005	0.03	0.2	0.05	1.4	0.1	<0.05	4	0.8	<0.2
1228086	Soil	19	0.33	241	0.015	2	1.09	0.005	0.03	0.2	0.06	2.1	0.2	<0.05	3	1.0	<0.2
1228087	Soil	21	0.36	235	0.015	1	1.16	0.005	0.03	0.3	0.05	1.7	0.2	<0.05	4	1.0	<0.2
1228088	Soil	18	0.33	230	0.019	<1	0.99	0.006	0.03	0.2	0.05	1.8	0.2	<0.05	3	1.1	<0.2
1228089	Soil	22	0.37	316	0.020	1	1.20	0.007	0.04	0.3	0.05	2.3	0.2	<0.05	4	1.0	<0.2
1228090	Soil	22	0.37	244	0.018	1	1.21	0.006	0.04	0.4	0.05	2.1	0.2	<0.05	3	1.0	<0.2
1228091	Soil	18	0.34	209	0.017	<1	1.04	0.006	0.03	0.4	0.05	1.9	0.2	<0.05	3	0.8	<0.2
1228092	Soil	20	0.35	250	0.023	1	0.90	0.007	0.04	0.3	0.05	2.3	<0.1	<0.05	3	0.8	<0.2
1228093	Soil	22	0.40	288	0.032	1	1.06	0.010	0.06	0.3	0.04	2.8	0.1	<0.05	3	1.0	<0.2
1228094	Soil	20	0.38	267	0.024	3	0.99	0.008	0.05	0.3	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1228095	Soil	25	0.42	230	0.038	2	1.03	0.013	0.07	0.2	0.05	3.0	0.1	<0.05	3	1.0	<0.2
1228096	Soil	20	0.37	245	0.022	2	0.92	0.011	0.04	0.3	0.04	1.9	<0.1	<0.05	3	0.8	<0.2
1228097	Soil	21	0.36	259	0.021	1	1.02	0.008	0.04	0.3	0.04	2.4	0.1	<0.05	3	<0.5	<0.2
1228098	Soil	26	0.46	225	0.032	<1	1.08	0.014	0.07	0.3	0.05	3.0	0.2	<0.05	3	1.6	<0.2
1228099	Soil	18	0.34	168	0.028	<1	0.82	0.008	0.05	0.2	0.04	1.9	0.1	<0.05	2	0.9	<0.2
1228100	Soil	20	0.42	244	0.031	1	0.95	0.012	0.07	0.3	0.04	2.5	0.1	<0.05	3	1.2	<0.2
1228501	Soil	17	0.28	114	0.013	1	1.00	0.004	0.04	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1228502	Soil	17	0.27	215	0.013	1	1.01	0.004	0.03	0.1	0.02	2.0	<0.1	<0.05	3	0.6	<0.2
1228503	Soil	24	0.36	162	0.012	<1	1.55	0.004	0.05	0.1	0.02	1.9	<0.1	<0.05	4	1.4	<0.2
1228504	Soil	18	0.29	237	0.007	<1	1.03	0.006	0.06	<0.1	0.06	2.2	<0.1	<0.05	3	1.1	<0.2
1228505	Soil	19	0.29	262	0.007	2	1.15	0.005	0.06	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1228506	Soil	18	0.29	256	0.008	<1	1.05	0.006	0.05	0.1	0.05	2.6	<0.1	<0.05	3	0.8	<0.2

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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
1228507	Soil	0.6	20.7	14.6	58	<0.1	21.5	8.5	281	2.41	10.8	1.1	9.1	15	0.1	1.2	0.3	24	0.23	0.030	30
1228508	Soil	0.7	22.1	16.9	54	0.1	21.2	8.9	362	2.51	11.1	3.3	8.1	27	<0.1	1.0	0.2	28	0.37	0.024	27
1228509	Soil	0.7	17.5	16.5	49	<0.1	17.6	7.8	367	2.15	13.3	4.6	7.3	17	<0.1	1.1	0.2	29	0.22	0.019	22
1228510	Soil	0.7	26.7	23.4	64	0.2	24.8	9.5	405	2.57	21.7	7.6	9.5	33	0.2	1.5	0.3	22	0.61	0.039	29
1228511	Soil	0.7	28.0	22.4	65	0.1	26.5	9.8	393	2.70	18.1	3.4	10.5	29	0.1	1.3	0.3	22	0.50	0.041	28
1228512	Soil	0.9	30.4	17.2	62	0.2	26.0	9.1	399	2.65	16.2	25.5	5.5	30	<0.1	1.1	0.2	36	0.45	0.044	20
1228513	Soil	0.7	29.4	21.4	65	0.2	26.5	10.6	486	2.63	16.8	16.7	9.2	32	0.2	1.1	0.2	27	0.51	0.039	26
1228514	Soil	0.8	27.8	19.1	61	0.2	24.7	7.9	326	2.46	13.7	3.4	6.1	82	0.3	1.1	0.2	29	0.71	0.043	21
1228515	Soil	0.9	29.1	18.4	62	0.2	25.0	9.5	341	2.37	17.1	5.3	6.6	33	0.2	0.8	0.2	22	0.36	0.056	19
1228516	Soil	0.9	25.9	15.5	52	<0.1	20.1	8.2	370	2.22	15.2	4.0	5.2	22	0.1	0.9	0.2	31	0.36	0.042	16
1228517	Soil	0.9	17.5	16.8	52	0.1	16.9	8.2	331	2.27	16.1	3.7	5.1	25	0.2	0.8	0.2	34	0.37	0.041	15
1228518	Soil	0.7	16.3	17.9	53	<0.1	17.7	7.7	273	2.23	15.2	7.4	5.5	18	0.1	0.9	0.2	31	0.27	0.029	16
1228519	Soil	1.0	23.3	24.8	65	0.3	23.2	9.9	384	2.58	17.2	8.1	8.1	28	0.2	1.1	0.3	25	0.46	0.039	20
1228520	Soil	1.0	26.8	45.0	78	0.3	24.4	10.4	940	2.96	20.0	3.3	8.4	24	0.5	1.2	0.3	23	0.35	0.039	21
1228521	Soil	1.1	34.2	32.5	75	0.3	29.0	10.8	529	2.60	26.6	6.2	7.0	34	0.4	1.5	0.3	27	0.69	0.049	19
1228522	Soil	0.8	24.6	23.5	66	0.2	21.6	8.2	333	2.26	17.5	4.2	6.5	24	0.2	0.9	0.2	25	0.40	0.042	18
1228523	Soil	0.6	24.3	25.0	76	0.2	25.3	10.5	394	2.83	19.6	6.2	9.0	25	0.2	0.7	0.3	21	0.45	0.046	21
1228524	Soil	1.1	27.1	39.3	75	0.3	23.0	11.4	438	2.65	18.9	9.8	8.6	24	0.5	0.8	0.3	23	0.34	0.041	21
1228525	Soil	0.9	32.1	23.5	86	0.3	31.2	13.2	399	3.34	19.6	1.5	9.9	15	<0.1	0.6	0.3	19	0.21	0.048	20
1228526	Soil	0.8	34.5	28.5	78	0.2	29.9	12.7	357	3.11	17.6	11.1	12.0	20	0.1	0.7	0.3	18	0.21	0.030	23
1228527	Soil	0.9	31.6	18.9	70	<0.1	51.7	20.7	388	3.18	25.6	3.5	8.1	9	0.2	0.8	0.2	51	0.06	0.037	21
1228528	Soil	0.9	26.0	15.1	55	<0.1	23.6	11.1	296	2.67	13.9	3.2	7.5	10	<0.1	0.8	0.2	38	0.05	0.026	27
1228529	Soil	1.2	24.8	17.2	53	<0.1	19.0	8.2	217	2.87	8.8	1.9	8.1	8	<0.1	0.7	0.2	35	0.04	0.026	28
1228530	Soil	1.0	21.8	14.7	57	<0.1	19.4	8.8	306	2.73	14.0	5.0	6.6	8	<0.1	0.9	0.2	43	0.06	0.032	16
1228531	Soil	1.0	24.2	13.5	62	<0.1	22.3	9.5	285	2.69	13.0	1.8	5.6	8	0.2	0.8	0.2	44	0.06	0.026	18
1228532	Soil	0.8	20.9	13.0	51	<0.1	19.0	6.2	184	2.53	10.3	3.2	6.0	7	<0.1	0.7	0.2	44	0.06	0.018	20
1228533	Soil	0.8	25.2	15.1	56	<0.1	22.7	8.3	275	2.88	7.8	3.1	7.5	7	<0.1	0.7	0.2	37	0.04	0.025	24
1228534	Soil	0.8	16.5	13.5	40	<0.1	15.2	5.0	156	1.99	6.5	2.5	1.3	9	<0.1	0.3	0.2	32	0.06	0.067	25
1228535	Soil	1.0	31.4	16.2	60	<0.1	32.5	11.2	227	2.99	9.3	13.4	10.3	8	<0.1	0.5	0.3	36	0.03	0.027	33
1228536	Soil	0.9	32.3	17.9	66	<0.1	31.7	12.5	258	3.23	7.7	2.3	11.0	9	<0.1	0.5	0.2	34	0.04	0.030	40

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www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

	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
1228507	Soil	19	0.34	194	0.016	1	1.06	0.007	0.07	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228508	Soil	21	0.33	313	0.012	<1	1.30	0.011	0.07	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228509	Soil	19	0.27	247	0.016	<1	1.07	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228510	Soil	16	0.25	256	0.009	1	0.91	0.007	0.06	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1228511	Soil	16	0.27	202	0.012	<1	0.93	0.005	0.06	0.2	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1228512	Soil	21	0.37	358	0.020	<1	1.21	0.008	0.05	0.3	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
1228513	Soil	18	0.29	280	0.018	<1	1.02	0.007	0.06	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1228514	Soil	18	0.35	316	0.016	<1	1.07	0.007	0.05	0.3	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1228515	Soil	14	0.29	266	0.016	<1	0.77	0.007	0.05	0.2	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1228516	Soil	19	0.32	267	0.025	<1	1.02	0.007	0.04	0.4	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1228517	Soil	19	0.32	270	0.023	<1	1.11	0.006	0.04	0.3	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228518	Soil	17	0.32	236	0.020	<1	1.01	0.007	0.05	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228519	Soil	17	0.29	208	0.016	<1	0.94	0.006	0.06	0.3	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228520	Soil	16	0.27	249	0.013	<1	0.96	0.007	0.06	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228521	Soil	18	0.36	281	0.022	<1	1.09	0.009	0.06	0.3	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1228522	Soil	17	0.34	210	0.017	<1	1.00	0.007	0.04	0.3	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228523	Soil	18	0.41	165	0.010	<1	1.23	0.006	0.05	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1228524	Soil	17	0.36	217	0.008	2	1.23	0.006	0.08	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1228525	Soil	19	0.53	109	0.007	<1	1.35	0.006	0.07	0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1228526	Soil	17	0.40	130	0.010	<1	1.12	0.006	0.07	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228527	Soil	95	0.68	139	0.024	<1	1.87	0.004	0.05	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1228528	Soil	28	0.39	178	0.031	<1	1.34	0.005	0.05	0.2	0.05	4.1	<0.1	<0.05	4	0.6	<0.2
1228529	Soil	28	0.40	121	0.020	<1	1.65	0.005	0.04	0.1	0.04	2.3	<0.1	<0.05	4	0.7	<0.2
1228530	Soil	31	0.41	117	0.036	<1	1.75	0.005	0.05	0.2	0.06	3.2	<0.1	<0.05	4	<0.5	<0.2
1228531	Soil	30	0.39	174	0.040	<1	1.54	0.008	0.05	0.2	0.05	3.8	0.1	<0.05	4	0.7	<0.2
1228532	Soil	29	0.34	142	0.033	<1	1.42	0.004	0.05	0.1	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1228533	Soil	27	0.28	127	0.021	<1	1.15	0.007	0.07	0.1	0.05	2.3	0.1	<0.05	3	<0.5	<0.2
1228534	Soil	28	0.32	116	0.013	<1	1.04	0.008	0.04	0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1228535	Soil	44	0.56	105	0.022	<1	1.49	0.006	0.05	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1228536	Soil	33	0.51	111	0.016	<1	1.46	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	4	<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
1228537	Soil		1.1	35.1	18.4	68	<0.1	30.9	15.3	385	3.28	8.4	1.9	9.3	12	<0.1	0.7	0.3	44	0.07	0.026	34
1228538	Soil		0.8	27.8	13.2	56	<0.1	22.1	8.3	203	2.64	9.2	1.7	7.7	10	<0.1	0.6	0.2	40	0.06	0.019	25
1228539	Soil		1.1	20.7	14.4	49	0.1	17.8	7.4	209	2.45	9.2	2.3	7.7	8	<0.1	3.5	0.2	35	0.05	0.021	25
1228540	Soil		1.1	23.4	13.7	55	0.1	19.0	7.3	213	2.52	8.0	6.1	7.1	10	<0.1	1.1	0.2	43	0.06	0.018	26
1228541	Soil		0.7	24.0	10.5	47	<0.1	18.0	6.9	217	2.07	9.7	1.9	4.7	11	<0.1	0.8	0.2	39	0.09	0.031	17
1228542	Soil		0.7	15.9	10.1	48	<0.1	14.6	5.7	155	2.04	9.5	2.4	3.8	10	<0.1	0.7	0.2	39	0.09	0.032	15
1228543	Soil		0.8	20.9	12.3	50	<0.1	16.6	6.8	191	2.30	11.7	3.0	5.8	9	<0.1	1.1	0.2	43	0.06	0.019	16
1228544	Soil		0.7	16.8	9.2	42	<0.1	17.7	6.4	197	1.76	6.6	5.0	4.3	16	<0.1	1.0	0.1	29	0.15	0.041	17
1228545	Soil		0.7	22.3	10.8	48	0.1	20.0	7.8	196	1.93	7.6	1.7	5.0	26	0.1	1.1	0.2	27	0.25	0.052	21
1228546	Soil		0.7	21.9	10.3	45	0.2	21.6	9.3	314	1.78	7.5	3.3	4.3	34	<0.1	0.9	0.2	29	0.33	0.057	18
1228547	Soil		0.7	29.6	14.7	49	0.2	26.5	10.2	248	2.18	6.5	2.8	7.6	35	<0.1	0.8	0.3	25	0.31	0.047	28
1228548	Soil		0.8	28.0	17.8	51	0.2	21.5	10.7	366	2.51	7.5	7.9	7.8	39	<0.1	1.0	0.3	25	0.34	0.049	26
1228549	Soil		0.6	20.6	15.8	49	<0.1	17.7	8.4	195	2.23	8.8	10.4	7.0	29	<0.1	1.2	0.2	20	0.23	0.030	20
1228550	Soil		0.7	29.6	22.4	48	0.1	25.8	11.8	353	2.63	7.7	1.6	9.4	36	0.1	1.6	0.3	21	0.28	0.038	35
1228551	Soil		0.6	30.5	20.6	45	0.2	24.9	9.5	349	2.37	6.5	23.8	5.0	67	<0.1	1.2	0.3	22	0.57	0.065	23
1228552	Soil		0.7	28.6	21.2	50	0.1	19.8	9.9	260	2.61	6.5	1.4	10.8	32	<0.1	1.3	0.3	22	0.26	0.033	36
1228553	Soil		0.8	27.2	18.6	55	0.1	24.4	11.3	400	2.55	7.2	3.3	8.4	42	0.1	1.3	0.3	20	0.36	0.049	33
1228554	Soil		0.9	27.4	18.5	51	0.1	21.6	10.3	349	2.43	7.0	1.5	7.8	36	<0.1	1.0	0.3	23	0.30	0.046	32
1228555	Soil		0.9	29.6	17.8	60	0.1	23.5	9.8	313	2.70	9.8	3.1	9.3	25	<0.1	2.1	0.3	23	0.21	0.036	36
1228556	Soil		0.7	26.0	21.3	57	0.1	20.9	10.0	302	2.62	7.4	2.2	8.9	38	0.1	1.4	0.3	24	0.31	0.042	31
1228557	Soil		0.9	27.4	20.2	59	<0.1	22.2	8.5	245	2.70	9.3	2.2	8.5	40	<0.1	1.5	0.3	26	0.29	0.041	33
1228558	Soil		0.8	22.6	14.7	56	<0.1	21.5	8.8	244	2.46	8.3	2.5	6.2	21	0.1	1.1	0.3	27	0.18	0.047	30
1228559	Soil		0.8	21.3	14.8	46	<0.1	17.1	6.9	194	2.33	10.0	1.7	7.5	9	<0.1	0.7	0.2	39	0.06	0.016	25
1228560	Soil		0.8	28.1	12.2	59	<0.1	31.8	13.5	291	3.31	7.5	7.4	12.3	12	<0.1	0.9	0.3	29	0.07	0.027	46
1228561	Soil		1.2	28.1	16.1	60	<0.1	28.0	9.9	243	3.40	16.5	1.7	9.6	11	<0.1	1.0	0.3	42	0.09	0.036	26
1228562	Soil		0.6	28.4	16.4	63	<0.1	30.1	14.0	360	3.52	8.9	1.0	15.6	28	<0.1	2.1	0.3	30	0.28	0.029	50
1228563	Soil		0.6	32.4	21.2	54	0.1	28.7	13.3	413	3.16	8.3	21.6	14.4	34	<0.1	2.1	0.3	26	0.44	0.041	38
1228564	Soil		0.5	21.6	13.8	54	<0.1	23.0	10.0	262	2.49	7.8	0.9	13.0	34	<0.1	1.8	0.2	18	0.44	0.041	39
1228565	Soil		0.6	21.0	16.7	65	<0.1	25.6	9.2	254	3.00	7.1	1.4	13.8	19	<0.1	1.1	0.2	18	0.23	0.036	48
1228566	Soil		0.6	28.3	20.4	60	<0.1	28.5	10.2	282	2.95	8.1	2.1	14.6	34	<0.1	1.4	0.3	24	0.45	0.031	42

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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
1228537	Soil	37	0.56	153	0.027	<1	1.68	0.008	0.05	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1228538	Soil	29	0.46	151	0.027	<1	1.47	0.006	0.05	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1228539	Soil	21	0.29	117	0.018	<1	1.18	0.004	0.06	0.2	0.03	2.0	0.2	<0.05	3	<0.5	<0.2
1228540	Soil	28	0.39	197	0.026	<1	1.39	0.005	0.06	0.2	0.03	3.1	0.1	<0.05	4	<0.5	<0.2
1228541	Soil	23	0.34	238	0.032	<1	1.08	0.007	0.05	0.2	0.04	3.5	<0.1	<0.05	3	<0.5	<0.2
1228542	Soil	23	0.35	183	0.029	<1	1.22	0.005	0.03	0.2	0.03	2.4	<0.1	<0.05	3	0.6	<0.2
1228543	Soil	24	0.40	190	0.033	2	1.37	0.007	0.05	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1228544	Soil	19	0.36	267	0.024	<1	0.88	0.007	0.04	0.3	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1228545	Soil	17	0.35	299	0.018	<1	0.89	0.008	0.04	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1228546	Soil	19	0.37	384	0.016	1	1.06	0.007	0.03	0.3	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
1228547	Soil	18	0.40	387	0.008	<1	1.15	0.007	0.04	0.1	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1228548	Soil	18	0.44	370	0.007	<1	1.19	0.007	0.04	0.1	0.04	1.9	<0.1	<0.05	3	0.8	<0.2
1228549	Soil	16	0.47	213	0.007	<1	1.10	0.006	0.04	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1228550	Soil	15	0.32	229	0.004	<1	0.97	0.007	0.04	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228551	Soil	17	0.39	344	0.005	<1	1.23	0.008	0.04	0.1	0.06	1.7	<0.1	0.07	3	1.0	<0.2
1228552	Soil	16	0.41	256	0.005	<1	1.08	0.007	0.04	0.1	0.03	1.5	<0.1	<0.05	3	0.7	<0.2
1228553	Soil	15	0.39	232	0.006	<1	0.97	0.007	0.04	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1228554	Soil	16	0.38	249	0.007	<1	0.99	0.007	0.05	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228555	Soil	17	0.40	185	0.011	<1	1.02	0.007	0.04	0.1	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1228556	Soil	17	0.41	264	0.006	<1	1.13	0.008	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228557	Soil	18	0.41	257	0.010	<1	1.13	0.006	0.04	0.2	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
1228558	Soil	18	0.39	205	0.018	<1	1.04	0.007	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228559	Soil	23	0.43	173	0.034	<1	1.39	0.008	0.06	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1228560	Soil	18	0.45	151	0.014	<1	1.10	0.005	0.04	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228561	Soil	27	0.46	162	0.016	<1	1.71	0.007	0.06	0.2	0.03	1.7	<0.1	<0.05	4	0.5	<0.2
1228562	Soil	19	0.53	227	0.004	<1	1.39	0.006	0.06	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1228563	Soil	19	0.52	212	0.004	<1	1.29	0.010	0.05	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1228564	Soil	15	0.41	120	0.007	<1	0.89	0.008	0.04	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1228565	Soil	17	0.50	169	0.004	<1	1.19	0.006	0.05	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1228566	Soil	19	0.48	229	0.009	<1	1.26	0.008	0.05	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2

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		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
1228567	Soil		0.6	28.8	16.0	56	0.1	26.4	10.2	320	2.61	11.7	3.3	9.1	51	<0.1	1.9	0.3	26	0.72	0.039	29
1228568	Soil		0.8	31.2	15.7	57	0.2	27.8	9.5	334	2.54	11.5	30.2	7.6	31	0.2	1.4	0.2	32	0.44	0.039	27
1228569	Soil		1.0	16.8	12.1	53	<0.1	19.2	7.7	248	2.38	9.4	2.2	7.4	23	<0.1	1.2	0.2	30	0.30	0.035	24
1228570	Soil		0.7	20.3	13.9	57	0.1	21.5	8.2	262	2.43	13.3	47.0	8.2	27	<0.1	1.8	0.2	25	0.38	0.040	27
1228571	Soil		0.7	26.2	12.6	51	0.1	22.6	9.0	351	2.23	12.6	4.9	4.6	34	0.2	1.1	0.2	34	0.48	0.058	19
1228572	Soil		0.7	17.9	10.4	46	0.1	16.5	6.2	249	1.84	9.6	21.2	3.8	28	0.2	1.0	0.2	28	0.38	0.059	16
1228573	Soil		1.3	13.8	15.7	41	<0.1	14.8	5.6	217	2.73	11.6	2.2	2.1	8	<0.1	0.7	0.3	53	0.05	0.043	17
1228574	Soil		0.9	14.0	13.0	37	<0.1	14.3	4.5	118	2.03	7.4	6.0	4.2	9	<0.1	0.5	0.2	37	0.05	0.028	21
1228575	Soil		0.8	27.4	16.0	50	<0.1	23.9	7.1	191	2.61	7.2	3.8	9.5	10	<0.1	0.4	0.3	36	0.04	0.024	42
1228576	Soil		0.9	35.0	20.9	69	<0.1	62.5	19.3	477	3.69	17.4	4.5	9.6	10	<0.1	0.7	0.2	54	0.04	0.027	40
1228577	Soil		0.9	30.9	20.0	63	<0.1	34.2	11.2	269	3.08	10.2	3.5	10.2	8	0.1	0.9	0.2	39	0.04	0.020	28
1228578	Soil		0.7	14.6	12.1	46	0.1	16.2	6.5	232	2.31	8.4	8.8	5.9	8	<0.1	0.6	0.2	41	0.05	0.016	16
1228579	Soil		0.9	17.3	13.1	51	0.2	17.9	7.5	242	2.58	8.6	3.1	6.1	9	<0.1	0.6	0.2	38	0.04	0.019	17
1228580	Soil		0.9	16.8	13.6	50	0.3	18.5	7.9	239	2.67	8.8	4.1	6.2	7	0.1	0.5	0.2	43	0.04	0.022	19
1228581	Soil		0.8	21.1	14.2	53	0.1	20.3	8.4	268	2.64	8.4	4.2	6.9	8	<0.1	0.6	0.2	39	0.05	0.019	19
1228582	Soil		0.9	18.0	11.9	51	0.1	17.1	6.9	180	2.42	10.5	0.8	5.0	7	0.2	0.7	0.2	40	0.05	0.017	12
1228583	Soil		0.7	18.0	10.1	44	<0.1	15.3	6.4	201	2.02	9.2	3.4	3.9	9	<0.1	0.5	0.1	33	0.07	0.021	14
1228584	Soil		0.8	26.0	12.2	54	<0.1	20.8	7.7	238	2.48	11.7	3.1	5.3	8	0.1	0.8	0.2	36	0.06	0.022	16
1228585	Soil		0.9	26.0	13.3	54	<0.1	20.0	8.3	271	2.42	8.3	2.2	7.1	7	<0.1	0.9	0.2	30	0.05	0.017	22
1228586	Soil		0.6	30.6	19.7	69	<0.1	27.2	12.1	437	2.91	6.4	1.1	10.5	10	<0.1	0.5	0.2	23	0.07	0.035	36
1228587	Soil		0.9	16.2	13.4	49	0.1	16.5	7.0	195	2.59	10.3	5.6	5.2	7	0.1	0.6	0.2	36	0.05	0.024	16
1228588	Soil		0.8	20.1	12.7	49	<0.1	19.5	6.7	166	2.23	12.4	9.5	3.5	8	<0.1	0.7	0.2	30	0.07	0.032	14
1228589	Soil		1.0	13.5	12.0	46	<0.1	14.9	5.7	151	2.54	14.6	11.0	4.6	7	<0.1	0.7	0.2	33	0.06	0.033	13
1228590	Soil		0.9	15.3	18.1	45	<0.1	16.1	6.5	131	2.33	9.5	3.8	7.9	9	<0.1	3.1	0.2	21	0.06	0.017	30
1228591	Soil		0.9	14.6	15.3	47	0.1	14.9	5.7	152	2.79	13.1	8.4	7.3	9	<0.1	0.8	0.2	37	0.04	0.083	24
1228592	Soil		0.8	29.5	25.7	49	0.2	18.5	6.9	136	2.78	9.3	2.8	12.5	8	<0.1	0.5	0.3	24	0.03	0.019	31
1228593	Soil		0.9	15.9	14.9	47	<0.1	16.0	6.9	166	2.52	9.9	3.0	5.9	7	<0.1	0.7	0.2	38	0.05	0.018	18
1228594	Soil		1.1	31.0	24.6	63	<0.1	24.0	9.0	197	3.53	13.9	1.4	10.6	8	<0.1	1.5	0.3	27	0.03	0.033	35
1228595	Soil		1.0	41.7	24.6	75	<0.1	22.0	9.3	197	3.76	9.0	2.8	16.9	11	<0.1	1.3	0.4	20	0.02	0.025	43
1228596	Soil		0.8	22.9	13.4	55	<0.1	20.7	9.0	191	2.63	9.5	1.2	8.5	10	<0.1	0.8	0.2	31	0.08	0.022	25

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

	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
1228567	Soil	18	0.44	259	0.012	<1	1.09	0.010	0.05	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1228568	Soil	21	0.43	354	0.015	<1	1.14	0.009	0.06	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1228569	Soil	19	0.41	215	0.015	<1	1.16	0.009	0.04	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1228570	Soil	17	0.38	244	0.012	<1	0.96	0.008	0.05	0.2	0.02	1.9	<0.1	<0.05	3	0.7	<0.2
1228571	Soil	19	0.40	357	0.020	<1	1.05	0.010	0.05	0.4	0.04	2.3	<0.1	<0.05	3	0.6	<0.2
1228572	Soil	17	0.33	239	0.019	<1	0.87	0.007	0.04	0.4	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228573	Soil	32	0.38	98	0.029	<1	1.34	0.004	0.04	0.2	0.03	1.7	0.1	<0.05	5	0.6	<0.2
1228574	Soil	24	0.34	96	0.020	<1	1.17	0.004	0.05	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1228575	Soil	42	0.58	101	0.013	<1	1.33	0.004	0.04	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1228576	Soil	91	0.59	162	0.021	<1	1.36	0.004	0.06	0.1	0.05	5.6	0.1	<0.05	4	0.6	<0.2
1228577	Soil	35	0.46	104	0.025	<1	1.25	0.004	0.08	0.2	0.04	3.0	0.1	<0.05	3	<0.5	<0.2
1228578	Soil	25	0.37	143	0.033	<1	1.29	0.006	0.05	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1228579	Soil	23	0.30	124	0.020	2	1.24	0.004	0.06	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
1228580	Soil	28	0.32	114	0.021	2	1.36	0.003	0.06	0.1	0.04	2.8	0.1	<0.05	4	0.6	<0.2
1228581	Soil	25	0.35	134	0.023	<1	1.30	0.006	0.07	0.1	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
1228582	Soil	23	0.35	162	0.021	1	1.44	0.005	0.04	0.2	0.02	2.5	0.1	<0.05	4	0.5	<0.2
1228583	Soil	19	0.32	176	0.024	1	1.00	0.006	0.03	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228584	Soil	23	0.36	171	0.024	<1	1.29	0.004	0.05	0.2	0.05	2.6	<0.1	<0.05	3	0.5	<0.2
1228585	Soil	18	0.29	136	0.017	<1	1.10	0.004	0.06	0.2	0.03	2.4	0.1	<0.05	3	0.6	<0.2
1228586	Soil	16	0.40	173	0.012	1	1.07	0.003	0.06	<0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1228587	Soil	20	0.28	137	0.017	<1	1.25	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1228588	Soil	18	0.33	99	0.017	<1	0.98	0.003	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228589	Soil	20	0.32	88	0.020	1	1.17	0.004	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1228590	Soil	12	0.26	137	0.005	<1	1.03	0.003	0.05	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1228591	Soil	16	0.31	104	0.016	<1	1.10	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1228592	Soil	17	0.41	73	0.008	<1	1.41	0.004	0.03	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1228593	Soil	20	0.35	136	0.016	<1	1.53	0.005	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1228594	Soil	18	0.44	97	0.006	<1	1.54	0.004	0.04	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1228595	Soil	20	0.53	80	0.005	<1	1.52	0.004	0.05	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1228596	Soil	19	0.38	187	0.012	<1	1.37	0.004	0.04	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

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		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
1228597	Soil		0.7	19.8	11.2	45	<0.1	19.1	7.3	185	2.28	10.7	2.1	8.0	13	<0.1	1.4	0.2	28	0.12	0.022	25
1228598	Soil		0.9	16.9	15.3	51	<0.1	18.6	7.3	349	2.32	8.8	1.0	9.0	19	<0.1	1.3	0.2	25	0.24	0.027	28
1228599	Soil		0.5	28.0	21.0	64	<0.1	33.5	13.0	363	3.31	7.5	2.7	19.6	24	<0.1	0.6	0.3	19	0.32	0.046	51
1228600	Soil		0.7	20.8	15.6	50	<0.1	22.0	8.5	289	2.55	9.6	<0.5	9.1	30	<0.1	1.1	0.2	28	0.45	0.018	27
1228601	Soil		0.6	28.3	22.3	64	<0.1	29.6	11.0	374	2.97	13.4	2.7	14.2	29	<0.1	1.5	0.3	19	0.44	0.042	39
1228602	Soil		0.7	26.9	15.7	56	<0.1	25.3	10.2	347	2.48	13.3	5.3	9.6	27	<0.1	1.3	0.2	26	0.34	0.032	27
1228603	Soil		0.4	24.6	26.1	81	0.1	22.7	9.3	310	2.41	11.8	1.0	11.9	39	0.2	0.8	0.2	14	0.55	0.051	29
1228604	Soil		0.5	24.3	21.6	64	0.2	19.1	7.8	322	2.05	11.7	2.2	8.1	40	0.2	0.9	0.2	15	0.65	0.049	23
1228605	Soil		0.5	27.8	24.0	73	0.2	24.7	10.2	413	2.56	14.8	3.0	9.2	33	0.2	1.2	0.3	19	0.61	0.049	23
1228606	Soil		0.6	26.3	12.2	58	0.1	22.0	8.9	321	2.20	11.3	1.7	6.2	24	0.1	0.7	0.2	24	0.37	0.058	18
1228607	Soil		0.8	36.3	22.2	75	0.2	31.2	13.5	563	2.86	11.5	2.1	9.8	30	0.1	0.8	0.3	22	0.36	0.050	23
1228608	Soil		1.6	56.6	34.5	104	0.1	32.3	11.0	645	3.71	13.6	2.2	12.1	19	0.2	1.3	0.4	17	0.12	0.041	26
1228609	Soil		0.8	28.9	17.0	57	0.1	33.1	11.6	962	2.67	10.8	3.0	5.2	27	<0.1	0.7	0.2	27	0.33	0.052	18
1228610	Soil		0.7	17.6	11.1	67	0.1	17.4	7.3	165	1.89	15.0	1.6	5.3	29	0.2	0.9	0.2	19	0.39	0.078	15
1228611	Soil		1.0	17.3	12.7	45	0.2	12.8	5.6	158	2.36	10.8	3.2	2.9	8	0.1	0.5	0.2	46	0.06	0.049	16
1228612	Soil		0.7	57.4	9.7	86	<0.1	28.5	10.5	347	2.39	12.0	3.6	4.3	11	0.3	0.7	0.2	32	0.05	0.024	22
1228613	Soil		1.3	29.3	10.6	51	<0.1	14.7	4.4	169	2.10	7.6	5.4	2.5	10	<0.1	0.7	0.2	31	0.05	0.031	18
1228614	Soil		1.1	20.8	11.1	53	<0.1	16.2	6.3	186	2.33	10.5	1.4	2.8	12	0.2	0.8	0.2	42	0.08	0.026	13
1228615	Soil		1.1	18.6	8.9	53	<0.1	15.3	5.9	179	1.92	7.8	2.6	1.8	8	0.1	0.7	0.2	35	0.09	0.049	14
1228616	Soil		1.5	30.8	9.8	79	0.1	23.9	8.7	377	2.27	9.7	7.4	4.2	19	0.2	1.1	0.2	38	0.19	0.060	17
1228617	Soil		1.7	21.4	5.8	42	<0.1	12.0	3.4	84	1.91	6.6	18.3	5.7	7	0.1	1.1	0.4	28	0.03	0.021	30
1228618	Soil		1.3	5.3	9.9	31	<0.1	7.3	3.2	150	2.32	9.5	1.3	1.6	5	<0.1	0.5	0.2	54	0.04	0.039	11
1228619	Soil		1.3	24.4	9.7	58	<0.1	17.6	7.5	227	2.37	10.7	3.4	4.1	8	0.1	1.0	0.3	41	0.05	0.037	19
1228620	Soil		1.5	22.1	11.1	54	<0.1	13.6	5.5	234	2.28	10.2	4.8	0.6	8	0.3	0.9	0.3	42	0.05	0.053	20
1228621	Soil		1.2	7.5	17.0	45	<0.1	10.0	4.1	148	3.15	12.6	1.5	1.0	7	0.2	0.7	0.2	60	0.05	0.042	12
1228622	Soil		1.2	27.5	16.0	62	<0.1	18.1	6.1	196	2.29	9.9	4.2	4.7	9	0.2	1.0	0.2	40	0.06	0.031	19
1228623	Soil		0.9	17.5	12.7	44	<0.1	12.0	4.6	149	1.76	7.5	2.9	1.3	8	<0.1	0.7	0.2	36	0.06	0.033	16
1228624	Soil		1.3	22.7	11.5	44	0.2	13.2	4.3	136	2.04	9.0	1.8	0.1	8	0.2	0.7	0.3	41	0.05	0.053	14
1228625	Soil		1.2	10.5	8.2	38	<0.1	9.5	3.3	107	2.00	10.2	2.2	1.3	6	<0.1	0.7	0.2	44	0.04	0.028	13
1228626	Soil		0.7	16.1	13.4	18	<0.1	6.7	2.0	42	1.58	7.3	2.2	0.2	11	0.3	0.3	0.3	34	0.07	0.102	16

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CERTIFICATE OF ANALYSIS WHI11001420.1

	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
1228597	Soil	18	0.38	192	0.013	<1	1.15	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228598	Soil	15	0.31	253	0.009	<1	1.09	0.005	0.05	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1228599	Soil	20	0.52	159	0.007	<1	1.43	0.004	0.05	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1228600	Soil	19	0.33	312	0.010	<1	1.28	0.005	0.06	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1228601	Soil	17	0.40	164	0.008	1	1.08	0.005	0.07	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228602	Soil	17	0.36	229	0.016	1	1.02	0.007	0.07	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1228603	Soil	11	0.31	133	0.008	1	0.74	0.005	0.09	0.2	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1228604	Soil	12	0.30	139	0.011	1	0.73	0.006	0.06	0.2	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1228605	Soil	15	0.39	146	0.011	<1	0.92	0.006	0.05	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1228606	Soil	16	0.37	245	0.017	1	0.93	0.006	0.03	0.3	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1228607	Soil	18	0.50	228	0.012	<1	1.26	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1228608	Soil	18	0.60	141	0.006	<1	1.37	0.007	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	0.6	<0.2
1228609	Soil	19	0.37	301	0.013	1	1.19	0.007	0.04	0.2	0.04	2.3	<0.1	<0.05	4	0.8	<0.2
1228610	Soil	13	0.31	159	0.023	1	0.70	0.008	0.03	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1228611	Soil	24	0.35	148	0.027	<1	1.56	0.005	0.04	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
1228612	Soil	20	0.41	306	0.022	<1	1.20	0.006	0.04	0.1	0.03	2.4	0.3	<0.05	3	<0.5	<0.2
1228613	Soil	19	0.35	127	0.018	<1	1.06	0.004	0.03	0.2	0.02	1.5	0.4	<0.05	3	<0.5	<0.2
1228614	Soil	22	0.33	206	0.028	2	1.29	0.004	0.03	0.2	0.03	2.1	0.2	<0.05	4	<0.5	<0.2
1228615	Soil	20	0.32	156	0.021	1	1.10	0.004	0.02	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1228616	Soil	21	0.36	425	0.039	1	1.11	0.005	0.04	0.2	0.05	2.7	0.1	<0.05	3	<0.5	<0.2
1228617	Soil	15	0.20	80	0.016	<1	0.80	0.003	0.02	0.4	0.04	1.4	0.7	<0.05	3	<0.5	<0.2
1228618	Soil	19	0.22	71	0.034	<1	1.07	0.003	0.02	0.1	0.02	1.1	0.1	<0.05	5	<0.5	<0.2
1228619	Soil	24	0.33	172	0.020	<1	1.40	0.005	0.04	0.4	0.04	2.8	0.5	<0.05	4	<0.5	<0.2
1228620	Soil	21	0.25	106	0.014	<1	1.08	0.003	0.03	0.4	0.03	0.9	0.5	<0.05	4	<0.5	<0.2
1228621	Soil	21	0.27	74	0.029	<1	1.20	0.004	0.03	0.2	0.02	1.3	0.2	<0.05	6	<0.5	<0.2
1228622	Soil	22	0.34	155	0.024	1	1.21	0.005	0.03	0.3	0.04	2.3	0.4	<0.05	4	<0.5	<0.2
1228623	Soil	16	0.23	125	0.021	<1	0.91	0.004	0.03	0.2	0.03	1.5	0.3	<0.05	4	<0.5	<0.2
1228624	Soil	19	0.25	164	0.008	<1	1.15	0.005	0.03	0.2	0.05	0.6	0.5	<0.05	4	<0.5	<0.2
1228625	Soil	18	0.20	75	0.022	<1	0.96	0.003	0.03	0.3	0.02	1.2	0.6	<0.05	4	<0.5	<0.2
1228626	Soil	16	0.11	242	0.006	<1	1.15	0.004	0.02	0.1	0.09	0.4	0.8	<0.05	5	0.6	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

	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
1228627	Soil	1.4	22.3	9.9	55	0.1	15.0	5.7	219	1.89	15.1	23.3	3.9	10	0.2	0.9	0.2	31	0.08	0.047	17
1228628	Soil	1.0	16.4	8.7	41	<0.1	12.3	4.7	137	1.82	11.1	4.2	1.2	7	<0.1	0.7	0.2	35	0.05	0.026	13
1228629	Soil	1.3	23.5	9.9	41	0.1	12.2	4.4	119	1.78	14.1	5.6	0.2	9	0.3	0.7	0.4	40	0.06	0.047	14
1228630	Soil	1.6	23.6	10.4	56	<0.1	16.1	5.5	189	2.40	15.6	2.3	1.8	9	0.2	0.8	0.3	47	0.06	0.048	14
1228631	Soil	1.1	19.5	8.6	44	<0.1	13.5	4.5	103	1.79	8.5	2.5	0.4	9	0.2	0.6	0.2	34	0.08	0.068	12
1228632	Soil	3.5	15.6	10.6	50	0.6	12.2	4.5	165	1.93	7.8	2.7	0.7	12	0.2	0.7	0.2	38	0.10	0.080	20
1228633	Soil	4.5	15.0	10.0	49	0.4	13.3	4.9	111	1.97	7.7	3.0	3.5	12	0.2	0.6	0.2	43	0.10	0.078	18
1228634	Soil	2.6	16.5	11.5	57	0.3	15.9	5.2	112	1.82	7.7	4.3	2.6	18	0.2	0.6	0.3	36	0.20	0.104	15
1228635	Soil	3.0	18.6	9.7	38	0.3	11.4	2.9	61	1.65	7.2	3.2	0.3	12	0.1	0.6	0.3	31	0.13	0.083	13
1228636	Soil	2.2	17.2	8.7	38	0.2	10.8	2.7	62	1.57	7.0	1.7	0.5	11	0.2	0.4	0.2	32	0.14	0.067	13
1228637	Soil	3.6	21.0	8.5	57	0.2	16.1	5.7	156	2.20	10.7	1.8	1.4	12	0.1	0.6	0.2	46	0.16	0.075	13
1228638	Soil	2.0	24.3	7.7	57	0.2	17.4	6.4	146	2.00	8.0	6.4	2.6	13	0.1	0.7	0.2	37	0.16	0.060	14
1228639	Soil	2.9	24.9	8.0	55	0.3	15.7	4.8	135	1.90	6.2	2.2	0.9	14	0.2	0.4	0.2	52	0.13	0.045	12
1228640	Soil	8.2	34.3	10.4	108	0.8	27.0	6.7	233	2.33	4.0	1.3	1.8	25	0.7	0.4	0.3	84	0.21	0.060	13
1228641	Soil	3.1	31.5	12.1	77	0.5	19.7	5.8	155	2.09	4.6	2.0	1.5	19	0.5	0.4	0.3	50	0.16	0.060	13
1228642	Soil	5.6	43.7	8.0	137	0.6	35.6	11.9	313	2.10	5.6	2.6	2.1	22	1.8	0.5	0.2	69	0.26	0.071	13
1228643	Soil	6.6	39.5	6.6	156	0.6	39.8	10.1	223	2.15	4.5	4.9	3.4	21	1.1	0.5	0.2	92	0.23	0.081	13
1228644	Soil	2.1	16.5	6.9	51	0.2	14.1	3.3	75	1.21	4.1	12.5	0.6	12	0.3	0.2	0.2	37	0.14	0.056	11
1228645	Soil	1.6	50.0	5.9	47	0.7	15.8	4.1	79	1.34	3.3	2.1	0.6	14	0.9	0.3	0.2	31	0.14	0.042	9
1228646	Soil	2.7	31.0	5.7	71	0.5	18.4	4.3	106	1.57	4.1	1.2	1.4	19	1.1	0.2	0.3	37	0.14	0.047	11

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

Project: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

	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
1228627	Soil	18	0.29	123	0.019	<1	0.87	0.004	0.04	0.4	0.05	2.0	0.8	<0.05	3	<0.5	<0.2
1228628	Soil	19	0.26	134	0.016	<1	1.00	0.003	0.03	0.3	0.03	1.5	0.3	<0.05	3	<0.5	<0.2
1228629	Soil	17	0.17	135	0.007	<1	0.84	0.004	0.04	0.4	0.02	0.6	0.9	<0.05	4	<0.5	<0.2
1228630	Soil	23	0.27	127	0.018	<1	1.08	0.004	0.04	0.5	0.03	1.8	0.6	<0.05	4	<0.5	<0.2
1228631	Soil	18	0.25	146	0.009	<1	0.96	0.004	0.03	0.3	0.03	1.0	0.3	<0.05	3	<0.5	<0.2
1228632	Soil	22	0.23	101	0.012	<1	0.75	0.003	0.04	0.6	0.03	1.4	0.9	<0.05	3	1.1	<0.2
1228633	Soil	23	0.30	150	0.014	<1	1.10	0.004	0.04	0.5	0.06	2.1	0.8	<0.05	3	1.5	<0.2
1228634	Soil	19	0.28	168	0.015	<1	0.94	0.005	0.05	0.5	0.07	2.2	0.9	<0.05	3	2.7	<0.2
1228635	Soil	17	0.22	180	0.007	<1	0.91	0.004	0.03	0.3	0.06	0.9	0.7	<0.05	3	4.3	<0.2
1228636	Soil	18	0.24	152	0.009	<1	0.86	0.004	0.03	0.4	0.05	1.1	0.5	<0.05	3	3.0	<0.2
1228637	Soil	23	0.34	119	0.020	<1	0.99	0.006	0.04	0.6	0.05	1.8	0.3	<0.05	3	2.2	<0.2
1228638	Soil	23	0.36	180	0.023	<1	0.98	0.005	0.04	0.5	0.04	2.1	0.3	<0.05	3	1.3	<0.2
1228639	Soil	26	0.43	145	0.022	<1	1.21	0.009	0.04	0.2	0.04	1.9	0.3	<0.05	4	2.0	<0.2
1228640	Soil	47	0.75	190	0.042	<1	1.49	0.013	0.06	0.2	0.03	3.7	0.7	<0.05	6	4.4	<0.2
1228641	Soil	36	0.56	142	0.035	<1	1.42	0.012	0.05	0.2	0.04	2.4	0.5	0.06	5	1.8	<0.2
1228642	Soil	42	0.60	167	0.034	<1	1.53	0.015	0.05	0.3	0.02	3.3	0.6	<0.05	5	1.8	<0.2
1228643	Soil	45	0.70	146	0.041	<1	1.54	0.012	0.06	0.4	0.04	3.6	0.6	<0.05	5	2.1	<0.2
1228644	Soil	23	0.32	77	0.020	<1	0.91	0.005	0.03	0.3	0.04	1.3	0.3	<0.05	3	1.2	<0.2
1228645	Soil	20	0.28	106	0.019	<1	1.01	0.007	0.03	0.2	0.04	1.7	0.6	<0.05	3	1.6	<0.2
1228646	Soil	25	0.38	111	0.028	<1	1.07	0.010	0.07	0.2	0.04	2.2	0.5	0.05	4	1.6	<0.2

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www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

QUALITY CONTROL REPORT WHI11001420.1

	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																					
1227726	Soil	1.0	32.5	19.3	64	<0.1	22.7	9.6	260	2.69	17.3	3.1	9.9	7	<0.1	3.6	0.3	29	0.04	0.025	33
REP 1227726	QC	1.0	32.4	18.2	63	<0.1	22.3	9.5	258	2.65	16.8	3.6	9.8	6	<0.1	3.4	0.2	30	0.04	0.025	32
1227760	Soil	0.9	23.3	12.6	50	0.1	20.7	9.2	390	2.14	12.4	3.0	5.0	24	<0.1	0.7	0.2	33	0.37	0.061	16
REP 1227760	QC	0.9	23.1	11.3	50	0.1	20.5	8.8	372	1.98	12.6	2.3	4.7	24	<0.1	0.7	0.2	33	0.36	0.059	16
1227767	Soil	1.0	22.4	12.4	52	<0.1	18.6	6.7	251	2.57	9.1	7.5	4.6	13	0.1	0.7	0.2	35	0.11	0.030	19
REP 1227767	QC	1.1	22.7	13.2	52	<0.1	19.4	6.7	252	2.65	8.6	<0.5	4.7	13	0.2	0.7	0.2	30	0.11	0.033	20
1227782	Soil	1.0	46.8	11.0	57	<0.1	22.8	7.6	319	2.38	8.4	15.6	4.9	9	0.1	0.6	0.2	24	0.06	0.025	21
REP 1227782	QC	0.9	46.8	11.1	55	<0.1	22.7	7.6	316	2.31	7.7	<0.5	4.9	9	0.1	0.6	0.2	22	0.06	0.025	20
1228014	Soil	0.5	19.7	13.3	52	0.2	21.1	6.1	1037	1.74	14.2	3.0	3.2	60	0.3	0.8	0.1	24	1.03	0.059	15
REP 1228014	QC	0.5	19.9	13.9	55	0.2	20.7	5.8	1054	1.76	14.3	2.0	3.2	61	0.4	0.7	0.1	24	1.03	0.060	16
1228031	Soil	0.9	18.8	14.7	98	0.8	22.0	7.7	327	2.40	13.6	0.6	5.2	11	0.6	0.6	0.2	48	0.12	0.020	17
REP 1228031	QC	0.9	19.4	14.6	94	0.8	22.5	8.0	329	2.48	13.7	<0.5	5.1	12	0.6	0.6	0.2	47	0.13	0.019	17
1228040	Soil	0.9	17.8	20.6	69	0.2	22.2	9.0	293	2.75	13.4	3.8	4.3	12	0.2	0.6	0.3	51	0.10	0.021	13
REP 1228040	QC	0.9	17.0	19.7	69	0.2	20.4	8.8	279	2.63	13.2	4.0	4.5	12	0.1	0.6	0.3	48	0.10	0.023	12
1228055	Soil	1.0	22.8	12.4	59	0.4	19.4	9.6	243	2.60	11.0	3.7	3.1	14	0.1	0.6	0.4	63	0.13	0.023	11
REP 1228055	QC	1.1	23.4	12.7	62	0.4	20.4	9.7	251	2.68	11.0	2.5	3.1	14	0.1	0.6	0.4	62	0.13	0.023	10
1228076	Soil	1.1	26.9	9.1	63	0.1	20.5	6.8	183	2.11	9.3	6.0	3.2	19	0.2	0.8	0.2	10	0.22	0.059	17
REP 1228076	QC	1.0	27.2	8.7	61	0.1	21.1	6.6	179	2.06	8.8	7.1	3.1	19	0.1	0.7	0.2	13	0.21	0.055	16
1228094	Soil	1.1	29.1	10.4	61	0.2	22.3	7.9	314	1.88	12.9	4.6	4.2	19	0.2	0.9	0.2	10	0.34	0.056	15
REP 1228094	QC	1.1	29.9	10.6	61	0.2	23.4	8.2	318	1.92	13.0	5.1	4.0	20	0.3	0.9	0.2	10	0.34	0.057	14
1228517	Soil	0.9	17.5	16.8	52	0.1	16.9	8.2	331	2.27	16.1	3.7	5.1	25	0.2	0.8	0.2	34	0.37	0.041	15
REP 1228517	QC	1.0	17.5	16.5	53	0.1	17.7	8.6	354	2.41	15.9	8.2	5.1	26	0.2	0.8	0.2	35	0.40	0.041	16
1228525	Soil	0.9	32.1	23.5	86	0.3	31.2	13.2	399	3.34	19.6	1.5	9.9	15	<0.1	0.6	0.3	19	0.21	0.048	20
REP 1228525	QC	0.9	31.3	22.3	82	0.3	29.9	12.7	388	3.31	19.4	2.8	9.7	15	0.2	0.6	0.3	18	0.19	0.043	20
1228552	Soil	0.7	28.6	21.2	50	0.1	19.8	9.9	260	2.61	6.5	1.4	10.8	32	<0.1	1.3	0.3	22	0.26	0.033	36
REP 1228552	QC	0.8	28.7	21.2	50	0.2	19.4	9.7	247	2.50	6.7	2.6	10.9	32	<0.1	1.3	0.3	22	0.27	0.036	34
1228576	Soil	0.9	35.0	20.9	69	<0.1	62.5	19.3	477	3.69	17.4	4.5	9.6	10	<0.1	0.7	0.2	54	0.04	0.027	40
REP 1228576	QC	1.0	36.5	21.1	73	<0.1	62.2	19.3	477	3.73	17.2	6.6	10.0	10	<0.1	0.8	0.2	52	0.04	0.028	40

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www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

QUALITY CONTROL REPORT WHI11001420.1

	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
Pulp Duplicates																	
1227726	Soil	20	0.38	122	0.022	1	1.20	0.004	0.04	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1227726	QC	20	0.36	121	0.025	2	1.16	0.003	0.04	0.3	0.03	2.6	<0.1	0.06	3	<0.5	<0.2
1227760	Soil	19	0.34	303	0.023	2	1.06	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	3	0.6	<0.2
REP 1227760	QC	18	0.32	297	0.021	<1	1.00	0.006	0.04	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1227767	Soil	26	0.41	224	0.039	1	1.58	0.006	0.04	0.2	0.04	3.1	0.2	<0.05	5	0.7	<0.2
REP 1227767	QC	27	0.42	229	0.041	1	1.66	0.006	0.04	0.2	0.02	3.4	0.2	<0.05	5	0.9	<0.2
1227782	Soil	22	0.47	310	0.033	1	1.36	0.008	0.04	0.1	0.03	2.2	<0.1	<0.05	4	0.9	<0.2
REP 1227782	QC	22	0.47	293	0.031	<1	1.31	0.005	0.04	0.1	0.02	2.1	<0.1	<0.05	4	0.7	<0.2
1228014	Soil	16	0.35	275	0.015	1	0.87	0.009	0.05	0.2	0.04	1.8	<0.1	0.07	2	<0.5	<0.2
REP 1228014	QC	17	0.35	279	0.016	1	0.87	0.009	0.05	0.1	0.05	1.8	<0.1	0.06	3	<0.5	<0.2
1228031	Soil	29	0.43	195	0.023	<1	1.66	0.005	0.05	0.1	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
REP 1228031	QC	29	0.43	197	0.029	<1	1.67	0.005	0.05	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
1228040	Soil	41	0.52	262	0.034	<1	1.70	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
REP 1228040	QC	39	0.52	259	0.031	<1	1.69	0.005	0.03	0.2	0.02	2.4	0.1	<0.05	5	0.7	<0.2
1228055	Soil	31	0.49	237	0.052	1	1.89	0.009	0.04	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
REP 1228055	QC	31	0.50	242	0.047	1	1.87	0.007	0.04	0.3	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
1228076	Soil	20	0.37	412	0.022	1	1.09	0.009	0.03	0.2	0.05	2.1	<0.1	<0.05	3	1.3	<0.2
REP 1228076	QC	20	0.37	389	0.022	1	1.07	0.006	0.03	0.2	0.05	1.9	<0.1	<0.05	3	0.7	<0.2
1228094	Soil	20	0.38	267	0.024	3	0.99	0.008	0.05	0.3	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228094	QC	20	0.37	260	0.024	2	1.02	0.007	0.05	0.3	0.05	2.6	0.1	<0.05	3	1.1	<0.2
1228517	Soil	19	0.32	270	0.023	<1	1.11	0.006	0.04	0.3	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
REP 1228517	QC	20	0.33	278	0.024	<1	1.12	0.007	0.06	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228525	Soil	19	0.53	109	0.007	<1	1.35	0.006	0.07	0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1228525	QC	19	0.50	107	0.007	<1	1.27	0.004	0.07	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1228552	Soil	16	0.41	256	0.005	<1	1.08	0.007	0.04	0.1	0.03	1.5	<0.1	<0.05	3	0.7	<0.2
REP 1228552	QC	16	0.39	255	0.004	<1	1.06	0.009	0.04	0.1	0.03	1.5	<0.1	<0.05	3	0.7	<0.2
1228576	Soil	91	0.59	162	0.021	<1	1.36	0.004	0.06	0.1	0.05	5.6	0.1	<0.05	4	0.6	<0.2
REP 1228576	QC	91	0.60	163	0.021	<1	1.39	0.004	0.06	0.1	0.05	5.4	0.1	<0.05	4	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 09, 2011

QUALITY CONTROL REPORT WHI11001420.1

		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
1228583	Soil	0.7	18.0	10.1	44	<0.1	15.3	6.4	201	2.02	9.2	3.4	3.9	9	<0.1	0.5	0.1	33	0.07	0.021	14
REP 1228583	QC	0.7	18.2	10.2	45	<0.1	15.9	6.4	202	2.02	9.3	2.4	4.0	9	<0.1	0.5	0.1	34	0.08	0.023	15
1228597	Soil	0.7	19.8	11.2	45	<0.1	19.1	7.3	185	2.28	10.7	2.1	8.0	13	<0.1	1.4	0.2	28	0.12	0.022	25
REP 1228597	QC	0.6	19.1	10.7	44	<0.1	18.1	7.1	183	2.20	10.1	6.0	7.7	13	<0.1	1.4	0.2	28	0.12	0.020	25
1228619	Soil	1.3	24.4	9.7	58	<0.1	17.6	7.5	227	2.37	10.7	3.4	4.1	8	0.1	1.0	0.3	41	0.05	0.037	19
REP 1228619	QC	1.3	23.0	9.6	55	<0.1	17.0	7.2	227	2.35	10.2	4.1	3.8	8	0.1	1.0	0.3	39	0.05	0.035	18
1228636	Soil	2.2	17.2	8.7	38	0.2	10.8	2.7	62	1.57	7.0	1.7	0.5	11	0.2	0.4	0.2	32	0.14	0.067	13
REP 1228636	QC	2.2	17.0	8.6	38	0.3	10.4	2.8	61	1.56	6.7	9.4	0.5	11	0.1	0.4	0.2	32	0.14	0.066	13
Reference Materials																					
STD DS8	Standard	12.8	108.7	125.3	307	1.8	37.3	7.5	593	2.35	22.6	112.1	6.3	60	2.1	5.4	6.2	41	0.63	0.079	14
STD DS8	Standard	13.3	105.6	127.1	306	1.8	37.9	7.5	590	2.36	24.1	112.3	7.6	72	2.3	6.0	7.3	43	0.68	0.079	16
STD DS8	Standard	13.0	109.3	128.0	313	1.8	37.2	7.3	613	2.42	24.9	111.5	6.7	69	2.5	5.8	6.9	43	0.68	0.081	15
STD DS8	Standard	13.2	109.1	122.8	306	1.8	37.7	7.3	605	2.50	24.1	113.2	7.5	76	2.3	6.1	7.2	44	0.66	0.077	15
STD DS8	Standard	14.7	114.7	131.4	326	1.8	40.9	7.9	641	2.56	24.7	119.0	7.3	70	2.4	5.8	6.3	45	0.74	0.077	18
STD DS8	Standard	11.8	104.6	126.5	304	1.8	35.7	7.1	598	2.38	24.4	106.1	6.5	63	2.3	5.3	6.5	40	0.65	0.076	14
STD DS8	Standard	13.0	104.4	122.3	296	1.8	35.9	7.4	583	2.38	24.2	111.0	6.8	66	2.1	5.7	6.8	52	0.67	0.078	15
STD DS8	Standard	14.2	114.5	125.9	310	1.8	39.8	8.3	628	2.61	24.2	108.7	7.4	71	2.0	5.7	7.1	37	0.70	0.077	17
STD DS8	Standard	13.5	114.5	122.5	312	1.8	39.9	8.1	619	2.50	24.3	107.5	6.8	65	2.6	6.0	6.7	46	0.69	0.082	15
STD DS8	Standard	13.0	111.3	130.2	311	1.7	37.7	7.4	625	2.47	24.9	109.8	6.6	66	2.3	5.8	6.8	42	0.67	0.082	14
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
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
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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		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
1228583	Soil	19	0.32	176	0.024	1	1.00	0.006	0.03	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228583	QC	19	0.33	186	0.026	1	1.04	0.006	0.04	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1228597	Soil	18	0.38	192	0.013	<1	1.15	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1228597	QC	18	0.37	190	0.012	<1	1.16	0.005	0.04	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228619	Soil	24	0.33	172	0.020	<1	1.40	0.005	0.04	0.4	0.04	2.8	0.5	<0.05	4	<0.5	<0.2
REP 1228619	QC	23	0.31	168	0.018	<1	1.34	0.004	0.04	0.4	0.06	2.7	0.5	<0.05	4	<0.5	<0.2
1228636	Soil	18	0.24	152	0.009	<1	0.86	0.004	0.03	0.4	0.05	1.1	0.5	<0.05	3	3.0	<0.2
REP 1228636	QC	17	0.23	147	0.008	<1	0.83	0.004	0.03	0.4	0.04	1.1	0.5	<0.05	3	2.7	<0.2
Reference Materials																	
STD DS8	Standard	118	0.60	254	0.111	3	0.88	0.082	0.40	3.0	0.20	2.3	5.4	0.16	4	4.9	4.8
STD DS8	Standard	119	0.62	281	0.129	2	0.92	0.100	0.40	3.1	0.20	2.3	5.5	0.15	4	5.4	4.6
STD DS8	Standard	116	0.60	281	0.124	2	0.92	0.101	0.43	3.2	0.21	2.5	5.4	0.17	5	5.0	5.1
STD DS8	Standard	120	0.62	282	0.129	2	0.91	0.100	0.44	2.9	0.20	2.4	5.3	0.15	5	5.6	5.2
STD DS8	Standard	128	0.64	298	0.129	2	0.98	0.097	0.43	3.5	0.21	2.5	5.6	0.15	5	5.0	5.1
STD DS8	Standard	111	0.58	265	0.110	2	0.88	0.091	0.41	2.9	0.21	2.5	5.4	0.15	5	4.9	4.8
STD DS8	Standard	110	0.60	265	0.117	5	0.87	0.081	0.39	2.8	0.22	2.2	5.3	0.07	5	5.3	5.1
STD DS8	Standard	116	0.61	289	0.126	3	0.95	0.085	0.41	3.0	0.17	2.1	5.4	0.12	5	5.8	4.5
STD DS8	Standard	119	0.61	278	0.120	2	0.90	0.087	0.40	3.2	0.21	2.2	5.3	0.20	5	5.3	5.2
STD DS8	Standard	124	0.60	266	0.117	3	0.91	0.089	0.41	3.3	0.21	2.2	5.4	0.15	5	5.2	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
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
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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QUALITY CONTROL REPORT WHI11001420.1

		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

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 09, 2011

QUALITY CONTROL REPORT WHI11001420.1

		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

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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 09, 2011
Report Date: November 11, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS WHI11001421.1

CLIENT JOB INFORMATION

Project: MQ+SEA
Shipment ID:
P.O. Number
Number of Samples: 240

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	240	Dry at 60C			WHI
SS80	240	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	240	Saving all or part of Soil Reject			WHI
1DX2	240	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

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Toronto ON M5X 1C9 Canada

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

		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
1228647	Soil		1.7	40.1	7.4	64	0.4	16.1	4.5	119	1.52	5.9	10.1	1.2	15	1.0	0.4	0.3	30	0.14	0.053	14
1228648	Soil		1.5	21.0	5.9	43	0.3	13.8	3.0	73	1.49	6.4	1.5	0.7	14	1.0	0.3	0.2	27	0.14	0.053	11
1228649	Soil		1.6	23.9	8.1	77	0.2	19.2	5.8	122	1.78	7.4	2.2	1.5	19	0.5	0.6	0.2	36	0.21	0.065	13
1228650	Soil		1.7	40.4	9.1	65	0.2	22.3	6.0	106	1.46	7.5	3.5	1.3	16	1.1	0.5	0.2	31	0.17	0.064	15
1228651	Soil		1.8	18.3	6.9	49	0.2	12.8	3.5	78	1.61	7.7	2.6	0.9	14	0.5	0.5	0.2	33	0.16	0.059	12
1228652	Soil		1.7	17.9	8.4	59	0.1	15.1	4.6	95	1.70	16.4	1.8	3.2	16	0.3	0.8	0.2	37	0.21	0.072	14
1228653	Soil		1.4	22.9	7.0	62	0.1	17.6	7.2	212	1.91	8.3	1.1	3.1	18	0.3	0.7	0.1	27	0.22	0.063	13
1228701	Soil		0.6	25.7	13.0	50	<0.1	21.0	8.2	264	2.16	9.1	7.1	5.6	9	<0.1	2.0	0.2	28	0.06	0.024	22
1228702	Soil		0.6	32.0	19.8	62	<0.1	42.1	13.6	416	2.80	11.4	8.2	8.4	14	<0.1	6.3	0.2	42	0.11	0.045	32
1228703	Soil		0.7	27.6	14.9	61	<0.1	24.9	9.5	358	2.29	12.7	4.5	6.9	14	0.1	2.4	0.2	27	0.15	0.056	26
1228704	Soil		0.9	38.6	20.2	72	<0.1	41.1	13.4	319	2.99	6.9	3.9	11.0	25	<0.1	2.0	0.3	30	0.17	0.044	36
1228705	Soil		0.5	21.4	9.9	42	<0.1	17.1	6.5	190	1.75	7.2	3.4	4.5	16	<0.1	1.4	0.1	28	0.16	0.038	19
1228706	Soil		0.5	33.1	17.1	54	<0.1	26.6	10.3	306	2.54	8.2	2.6	9.3	9	<0.1	3.3	0.2	22	0.04	0.024	36
1228707	Soil		0.7	23.5	13.4	52	<0.1	20.5	8.1	266	2.20	9.5	8.8	5.6	10	0.1	2.0	0.2	32	0.07	0.024	22
1228708	Soil		0.6	15.1	12.8	41	<0.1	14.3	5.2	162	1.90	9.8	2.4	4.2	9	<0.1	0.9	0.2	33	0.07	0.029	17
1228709	Soil		0.8	32.5	18.1	55	<0.1	22.2	10.0	313	2.88	8.6	2.5	8.0	8	<0.1	1.1	0.2	28	0.04	0.024	30
1228710	Soil		0.9	23.8	10.6	52	<0.1	18.2	6.6	232	1.98	10.8	3.5	4.4	12	<0.1	0.9	0.2	35	0.12	0.033	17
1228711	Soil		1.0	28.8	15.8	59	<0.1	24.9	9.5	248	2.67	14.1	8.4	6.6	9	<0.1	1.1	0.2	38	0.06	0.018	21
1228712	Soil		1.1	22.8	14.1	52	<0.1	19.3	8.0	275	2.86	13.4	2.8	5.5	14	<0.1	0.9	0.2	54	0.11	0.023	18
1228713	Soil		1.0	20.0	13.7	50	<0.1	18.3	7.7	199	2.73	12.3	2.5	5.6	9	<0.1	0.8	0.2	54	0.07	0.017	18
1228714	Soil		0.8	25.7	11.8	59	<0.1	21.2	9.9	414	2.37	15.0	5.0	4.8	12	<0.1	0.8	0.2	36	0.12	0.049	17
1228715	Soil		1.0	23.9	12.2	49	<0.1	32.6	9.7	291	2.18	10.4	6.0	5.3	9	<0.1	1.0	0.1	33	0.07	0.036	16
1228716	Soil		0.8	26.0	12.7	54	<0.1	19.9	8.0	214	2.56	14.6	3.2	4.2	7	0.2	0.9	0.2	37	0.06	0.039	12
1228717	Soil		1.2	42.3	17.0	65	<0.1	27.5	12.4	463	2.92	4.8	3.2	11.1	12	<0.1	0.8	0.3	24	0.05	0.030	37
1228718	Soil		1.0	32.7	15.8	66	<0.1	25.5	11.4	380	2.86	10.1	1.8	8.6	14	0.1	1.3	0.2	36	0.07	0.025	29
1228719	Soil		0.7	28.8	9.0	62	<0.1	20.9	7.2	309	1.88	12.2	1.9	4.4	18	0.1	0.9	0.1	27	0.22	0.069	15
1228720	Soil		0.5	20.9	8.9	50	<0.1	16.7	6.5	204	1.85	10.9	34.3	1.8	15	0.1	0.6	0.2	29	0.18	0.072	18
1228721	Soil		0.6	14.6	8.9	42	<0.1	13.3	5.4	162	1.76	10.2	2.2	0.7	12	<0.1	0.5	0.2	28	0.12	0.061	14
1228722	Soil		0.6	21.0	10.7	52	<0.1	17.1	6.4	219	1.93	8.0	5.1	5.0	12	0.2	1.0	0.1	24	0.13	0.049	19
1228723	Soil		0.8	19.0	13.7	51	<0.1	18.1	7.7	210	2.30	13.5	4.4	4.8	7	0.1	0.8	0.2	32	0.05	0.020	14

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Toronto ON M5X 1C9 Canada

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

	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
1228647	Soil	20	0.31	159	0.019	1	1.00	0.005	0.04	0.5	0.04	1.5	0.4	<0.05	3	0.8	<0.2
1228648	Soil	17	0.26	128	0.017	1	0.81	0.006	0.03	0.3	0.04	1.3	0.3	<0.05	3	1.0	<0.2
1228649	Soil	22	0.37	211	0.024	<1	0.96	0.006	0.03	0.2	0.05	1.8	0.2	<0.05	3	1.0	<0.2
1228650	Soil	18	0.26	271	0.016	1	0.86	0.006	0.03	0.3	0.04	1.8	0.2	<0.05	2	1.1	<0.2
1228651	Soil	18	0.28	123	0.017	1	0.80	0.005	0.03	0.4	0.04	1.4	0.2	<0.05	3	1.0	<0.2
1228652	Soil	18	0.29	140	0.023	1	0.81	0.006	0.03	0.5	0.03	1.8	0.1	<0.05	2	1.3	<0.2
1228653	Soil	16	0.30	198	0.024	1	0.81	0.006	0.03	0.2	0.03	1.9	0.1	<0.05	2	0.7	<0.2
1228701	Soil	20	0.29	153	0.026	<1	0.93	0.004	0.05	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228702	Soil	53	0.42	178	0.031	1	1.05	0.004	0.07	0.2	0.04	4.2	0.1	<0.05	3	<0.5	<0.2
1228703	Soil	21	0.30	162	0.029	1	0.87	0.005	0.07	0.3	0.05	2.8	0.1	<0.05	2	<0.5	<0.2
1228704	Soil	24	0.24	174	0.015	<1	0.77	0.005	0.07	0.1	0.06	3.2	<0.1	<0.05	2	0.7	<0.2
1228705	Soil	20	0.28	168	0.031	<1	0.85	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1228706	Soil	23	0.19	74	0.013	<1	0.65	0.003	0.07	0.2	0.04	2.3	0.1	<0.05	2	<0.5	<0.2
1228707	Soil	22	0.30	129	0.030	<1	1.00	0.008	0.05	0.2	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1228708	Soil	19	0.28	116	0.029	<1	1.05	0.005	0.04	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1228709	Soil	17	0.20	126	0.016	<1	0.87	0.004	0.08	0.3	0.05	2.7	0.1	<0.05	2	<0.5	<0.2
1228710	Soil	21	0.35	208	0.038	1	1.14	0.006	0.05	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1228711	Soil	23	0.34	180	0.030	1	1.35	0.005	0.06	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1228712	Soil	32	0.41	297	0.051	2	1.78	0.009	0.05	0.2	0.03	4.7	0.1	<0.05	5	0.6	<0.2
1228713	Soil	32	0.39	236	0.043	<1	1.92	0.008	0.04	0.2	0.03	4.5	0.1	<0.05	5	<0.5	<0.2
1228714	Soil	22	0.35	293	0.033	<1	1.13	0.011	0.04	0.2	0.05	3.6	0.1	<0.05	3	0.6	<0.2
1228715	Soil	40	0.38	87	0.026	<1	1.02	0.004	0.04	0.3	0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
1228716	Soil	23	0.34	117	0.027	<1	1.25	0.005	0.03	0.2	0.03	2.0	<0.1	<0.05	3	0.7	<0.2
1228717	Soil	14	0.19	132	0.016	<1	0.77	0.004	0.09	0.2	0.06	2.0	0.1	<0.05	2	<0.5	<0.2
1228718	Soil	20	0.33	261	0.044	1	1.36	0.008	0.08	0.2	0.06	3.6	0.1	<0.05	3	<0.5	<0.2
1228719	Soil	17	0.31	244	0.031	3	0.70	0.007	0.04	0.3	0.04	2.3	<0.1	<0.05	2	0.6	<0.2
1228720	Soil	17	0.26	216	0.020	<1	0.86	0.006	0.03	0.6	0.04	1.6	<0.1	<0.05	2	0.5	<0.2
1228721	Soil	17	0.25	223	0.014	<1	0.99	0.005	0.03	0.2	0.04	1.1	<0.1	<0.05	3	0.6	<0.2
1228722	Soil	15	0.26	135	0.025	<1	0.80	0.005	0.06	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1228723	Soil	20	0.32	133	0.025	<1	1.16	0.005	0.04	0.2	0.01	1.8	0.1	<0.05	3	0.7	<0.2

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		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
1228724	Soil		0.8	18.2	11.8	51	<0.1	15.0	5.3	164	2.17	12.7	1.8	4.9	9	0.1	0.6	0.2	36	0.07	0.032	16
1228725	Soil		0.9	14.3	13.6	54	<0.1	15.6	6.9	279	2.20	9.6	3.2	5.1	9	<0.1	0.7	0.2	33	0.09	0.034	21
1228726	Soil		1.1	11.1	16.4	49	<0.1	13.4	5.9	228	2.39	12.8	1.6	3.6	7	<0.1	0.7	0.2	38	0.05	0.029	14
1228727	Soil		0.9	13.7	13.7	54	<0.1	15.0	6.9	223	2.50	13.5	5.9	4.1	8	0.1	0.8	0.2	33	0.05	0.022	14
1228728	Soil		0.9	23.6	20.4	58	0.2	17.3	7.6	243	2.95	14.1	4.1	5.4	21	0.1	1.1	0.2	31	0.20	0.052	25
1228729	Soil		0.5	16.1	10.1	51	<0.1	13.3	4.5	112	1.68	9.3	12.8	4.0	19	0.2	0.7	0.2	27	0.21	0.062	15
1228730	Soil		0.4	11.6	7.0	41	<0.1	11.6	4.0	117	1.19	4.8	3.0	2.7	14	0.1	0.4	0.2	22	0.18	0.059	12
1228731	Soil		0.6	15.3	6.8	48	<0.1	13.2	6.2	183	1.88	9.0	4.9	3.5	13	0.1	0.7	0.2	25	0.18	0.057	13
1228732	Soil		1.2	28.3	8.6	65	0.2	22.3	10.0	282	3.35	20.4	3.4	3.9	19	0.5	0.9	0.2	28	0.27	0.078	14
1228733	Soil		0.7	18.5	8.8	40	<0.1	16.0	6.1	143	2.26	6.9	4.6	7.1	7	<0.1	0.9	0.2	24	0.04	0.020	32
1228734	Soil		0.8	21.4	12.1	58	<0.1	21.7	11.9	340	2.64	13.2	2.9	5.7	8	<0.1	0.9	0.2	39	0.06	0.022	19
1228735	Soil		0.9	15.6	12.5	46	<0.1	15.9	6.3	183	2.29	9.3	1.5	5.3	7	<0.1	0.6	0.2	41	0.05	0.018	18
1228736	Soil		1.1	34.2	14.1	56	<0.1	23.5	7.8	187	2.50	13.3	17.1	7.6	6	<0.1	0.9	0.2	36	0.05	0.016	23
1228737	Soil		0.8	14.2	10.5	40	<0.1	13.7	5.2	125	2.00	8.2	1.8	5.3	6	<0.1	0.6	0.2	34	0.05	0.015	20
1228738	Soil		0.7	20.6	9.0	43	<0.1	15.6	6.5	183	1.84	9.3	2.8	4.8	5	<0.1	0.7	0.2	29	0.04	0.017	17
1228739	Soil		0.8	41.5	8.9	76	<0.1	30.8	17.7	548	3.93	7.6	4.1	5.4	33	<0.1	0.9	0.1	58	0.48	0.106	22
1228740	Soil		0.6	20.5	18.3	53	<0.1	20.9	7.6	168	2.03	13.0	1.9	7.4	17	<0.1	2.1	0.2	19	0.19	0.037	28
1228741	Soil		0.5	20.8	16.8	37	<0.1	18.2	5.3	122	1.91	6.2	1.1	8.4	9	0.2	0.7	0.2	19	0.10	0.023	35
1228742	Soil		0.5	17.9	16.4	42	<0.1	19.6	7.2	218	2.09	5.7	<0.5	9.2	10	<0.1	0.3	0.2	16	0.17	0.028	41
1228743	Soil		0.7	17.9	12.5	51	<0.1	19.0	6.8	172	2.37	9.1	2.3	6.1	7	<0.1	0.6	0.2	38	0.07	0.015	18
1228744	Soil		0.7	20.9	12.3	48	<0.1	19.6	6.8	177	2.21	11.7	6.9	7.1	6	<0.1	0.7	0.2	30	0.06	0.012	18
1228745	Soil		0.5	16.1	11.8	38	<0.1	15.4	5.4	154	1.76	7.1	2.8	8.3	6	<0.1	0.5	0.2	19	0.07	0.012	32
1228746	Soil		0.6	23.6	15.9	60	<0.1	25.3	8.7	276	2.40	7.4	2.4	9.3	16	<0.1	0.5	0.2	21	0.26	0.041	38
1228747	Soil		0.5	16.8	11.8	46	<0.1	18.1	5.6	137	1.94	7.3	3.3	8.1	10	<0.1	0.5	0.1	21	0.17	0.025	31
1228748	Soil		0.6	17.2	62.4	59	0.1	20.1	7.2	197	2.18	44.3	3.4	8.4	9	<0.1	4.7	0.2	23	0.15	0.025	30
1228749	Soil		0.5	19.2	14.9	50	<0.1	20.8	7.1	207	2.10	15.1	2.9	8.6	10	<0.1	0.9	0.1	21	0.15	0.031	28
1228750	Soil		0.8	20.9	12.7	46	<0.1	17.9	6.9	168	2.17	10.3	1.7	5.8	7	<0.1	0.8	0.2	33	0.09	0.014	18
1228751	Soil		0.7	20.7	20.8	41	<0.1	29.7	7.9	171	2.59	5.1	7.6	1.2	8	0.4	0.3	0.2	53	0.06	0.032	25
1228752	Soil		0.7	21.5	13.8	45	<0.1	16.8	6.2	133	2.43	1.9	<0.5	12.7	6	<0.1	0.2	0.2	20	0.02	0.020	43
1228753	Soil		1.0	23.8	21.4	47	<0.1	14.2	5.8	127	2.59	3.8	2.9	8.0	4	<0.1	0.4	0.2	22	0.02	0.025	37

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

	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
1228724	Soil	21	0.32	152	0.030	<1	1.32	0.004	0.04	0.2	0.05	2.5	<0.1	<0.05	4	0.5	<0.2
1228725	Soil	20	0.30	171	0.021	<1	1.34	0.005	0.05	0.3	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
1228726	Soil	19	0.23	94	0.021	<1	0.94	0.004	0.05	0.3	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1228727	Soil	21	0.28	134	0.021	<1	1.27	0.004	0.04	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1228728	Soil	19	0.30	290	0.009	<1	1.17	0.005	0.06	0.4	0.09	2.6	0.1	<0.05	3	<0.5	<0.2
1228729	Soil	16	0.30	188	0.017	<1	0.88	0.005	0.03	0.4	0.06	1.5	<0.1	<0.05	3	<0.5	<0.2
1228730	Soil	15	0.27	179	0.014	1	0.77	0.004	0.02	0.4	0.06	1.2	<0.1	<0.05	2	<0.5	<0.2
1228731	Soil	15	0.26	212	0.019	<1	0.80	0.004	0.03	0.2	0.05	1.6	<0.1	<0.05	2	<0.5	<0.2
1228732	Soil	17	0.27	369	0.016	1	0.87	0.005	0.03	0.2	0.05	2.3	<0.1	<0.05	2	0.5	<0.2
1228733	Soil	16	0.25	92	0.014	<1	0.90	0.004	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228734	Soil	25	0.38	225	0.038	<1	1.24	0.006	0.06	0.2	0.06	4.2	<0.1	<0.05	4	<0.5	<0.2
1228735	Soil	24	0.35	137	0.032	<1	1.33	0.005	0.03	0.2	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1228736	Soil	24	0.36	139	0.030	<1	1.29	0.006	0.04	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1228737	Soil	20	0.28	123	0.021	<1	1.15	0.004	0.03	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228738	Soil	18	0.28	124	0.025	<1	0.97	0.005	0.03	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228739	Soil	35	0.83	325	0.067	<1	1.72	0.009	0.10	0.1	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
1228740	Soil	13	0.21	144	0.009	<1	0.71	0.004	0.07	0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1228741	Soil	14	0.21	164	0.009	<1	0.75	0.005	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228742	Soil	12	0.14	203	0.005	<1	0.71	0.004	0.05	<0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1228743	Soil	23	0.33	147	0.022	<1	1.30	0.005	0.03	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1228744	Soil	19	0.28	130	0.019	<1	1.08	0.004	0.03	0.2	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1228745	Soil	13	0.20	151	0.008	<1	0.80	0.004	0.04	0.1	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1228746	Soil	16	0.26	204	0.008	<1	0.89	0.005	0.05	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228747	Soil	15	0.26	181	0.009	<1	0.92	0.004	0.04	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228748	Soil	17	0.27	192	0.009	<1	0.95	0.005	0.05	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228749	Soil	17	0.28	163	0.010	<1	0.88	0.004	0.05	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228750	Soil	22	0.33	163	0.020	<1	1.19	0.005	0.03	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228751	Soil	63	0.45	83	0.014	<1	1.28	0.006	0.06	<0.1	0.08	2.1	0.2	<0.05	4	<0.5	<0.2
1228752	Soil	19	0.27	50	0.007	<1	0.88	0.003	0.03	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1228753	Soil	16	0.17	58	0.011	<1	0.71	0.003	0.03	0.1	0.43	1.5	0.1	<0.05	3	<0.5	<0.2

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www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 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
1228754	Soil	1.4	34.7	28.0	55	<0.1	21.2	8.4	198	3.14	7.8	1.9	12.0	5	<0.1	0.6	0.3	31	0.03	0.026	33
1228755	Soil	0.6	11.8	14.2	27	<0.1	10.8	3.5	82	1.92	5.1	2.0	5.2	5	<0.1	0.3	0.2	30	0.03	0.023	28
1228756	Soil	0.8	22.1	12.1	49	<0.1	17.7	7.6	237	2.34	11.2	2.5	6.5	6	<0.1	0.7	0.2	35	0.05	0.023	23
1228757	Soil	0.7	8.2	15.8	23	<0.1	7.1	2.2	68	1.75	6.5	1.1	1.5	5	<0.1	0.4	0.2	39	0.03	0.023	17
1228758	Soil	1.0	17.5	14.3	46	<0.1	17.9	6.6	209	2.49	7.8	3.7	2.8	7	<0.1	0.5	0.2	42	0.05	0.048	23
1228759	Soil	0.7	27.7	14.6	55	<0.1	23.5	9.6	258	2.48	6.0	2.9	4.9	7	0.1	0.6	0.2	33	0.06	0.028	36
1228760	Soil	0.8	28.2	20.7	56	<0.1	24.4	10.6	286	2.89	5.3	0.9	7.3	8	0.2	0.5	0.2	30	0.05	0.027	39
1228761	Soil	0.8	21.0	12.6	49	<0.1	19.6	7.6	186	2.33	5.7	32.6	6.2	8	<0.1	0.5	0.2	34	0.05	0.024	30
1228762	Soil	0.8	21.9	22.3	54	<0.1	25.9	10.5	256	2.57	9.5	1.6	5.0	7	<0.1	0.6	0.2	48	0.05	0.039	28
1228763	Soil	1.0	11.9	14.6	47	<0.1	15.8	6.1	170	2.63	10.1	1.0	4.3	6	0.1	0.8	0.2	43	0.04	0.026	14
1228764	Soil	0.2	2.3	10.6	8	<0.1	2.3	0.7	16	0.58	1.7	1.1	0.4	7	<0.1	0.2	0.2	27	0.03	0.047	13
1228765	Soil	0.7	21.5	16.8	44	<0.1	21.1	6.1	141	2.58	5.6	1.9	2.1	9	<0.1	0.3	0.2	32	0.04	0.046	36
1228766	Soil	0.7	6.0	16.5	19	<0.1	7.2	2.5	75	1.82	8.4	1.2	1.3	7	<0.1	0.2	0.2	44	0.05	0.051	17
1228767	Soil	1.1	15.8	22.0	54	<0.1	19.0	6.9	240	2.92	9.0	2.9	2.9	10	0.2	0.7	0.2	34	0.07	0.035	15
1228768	Soil	1.1	22.2	14.2	62	<0.1	17.5	9.4	278	2.73	12.7	3.0	5.4	9	0.2	0.7	0.2	44	0.08	0.042	17
1228769	Soil	1.0	9.5	17.4	55	<0.1	13.3	6.5	239	3.00	11.8	1.9	3.1	9	0.2	0.6	0.2	47	0.08	0.035	11
1228770	Soil	0.5	12.2	13.2	39	<0.1	13.1	5.3	150	2.02	6.3	5.8	1.8	7	0.2	0.3	0.2	27	0.06	0.030	25
1228771	Soil	1.2	13.8	15.1	50	<0.1	16.3	7.3	201	2.38	11.4	4.2	3.9	8	0.2	0.6	0.2	43	0.06	0.029	13
1228772	Soil	0.7	14.9	12.1	50	<0.1	16.4	5.6	147	2.01	10.0	6.2	2.7	12	0.1	0.5	0.1	34	0.14	0.040	12
1228773	Soil	0.8	16.3	10.7	52	<0.1	16.7	5.5	154	2.03	8.4	2.9	1.8	13	0.2	0.5	0.1	38	0.16	0.060	14
1228774	Soil	1.1	16.9	12.9	51	<0.1	17.4	9.6	271	2.49	10.9	3.2	6.2	10	0.1	0.7	0.2	42	0.10	0.046	15
1228775	Soil	1.3	26.5	18.9	52	<0.1	21.8	6.9	132	2.62	9.2	3.7	7.0	9	<0.1	0.6	0.2	29	0.05	0.031	33
1228776	Soil	0.5	12.2	18.6	31	<0.1	12.9	5.2	136	1.43	3.6	1.3	5.0	7	<0.1	0.2	0.2	21	0.04	0.020	21
1228777	Soil	1.3	11.4	15.0	63	<0.1	12.5	7.0	290	3.07	10.7	1.8	3.7	9	<0.1	0.6	0.2	56	0.07	0.029	17
1228778	Soil	0.8	18.2	15.1	54	<0.1	22.3	11.8	352	2.67	10.8	3.4	5.8	9	0.2	0.6	0.2	36	0.07	0.027	15
1228779	Soil	0.8	13.0	17.1	39	<0.1	12.7	6.2	180	2.41	8.0	4.0	4.7	8	<0.1	0.4	0.2	31	0.06	0.030	18
1228780	Soil	1.2	10.6	13.6	50	<0.1	15.8	6.7	220	2.87	10.7	1.1	5.4	7	0.1	0.6	0.2	46	0.06	0.029	14
1228781	Soil	0.9	13.8	15.7	42	<0.1	12.0	4.9	147	2.39	8.7	1.3	5.9	7	<0.1	0.4	0.2	36	0.05	0.042	22
1228782	Soil	0.8	13.8	17.7	47	<0.1	15.9	6.2	146	2.83	9.3	4.4	5.9	7	<0.1	0.4	0.2	35	0.04	0.027	25
1228783	Soil	1.2	15.1	14.3	58	<0.1	19.0	9.1	297	2.79	11.3	3.2	5.2	9	0.2	0.6	0.2	42	0.08	0.052	16

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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
1228754	Soil	21	0.27	82	0.018	<1	1.13	0.004	0.05	0.1	0.13	2.8	<0.1	<0.05	3	<0.5	<0.2
1228755	Soil	20	0.24	61	0.013	<1	1.05	0.004	0.03	<0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1228756	Soil	24	0.37	106	0.028	<1	1.26	0.005	0.04	0.1	0.06	3.0	<0.1	<0.05	3	<0.5	<0.2
1228757	Soil	19	0.20	54	0.020	<1	0.97	0.004	0.02	0.1	0.03	1.1	0.1	<0.05	5	<0.5	<0.2
1228758	Soil	31	0.37	91	0.019	<1	1.28	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1228759	Soil	24	0.42	120	0.020	<1	1.23	0.007	0.04	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1228760	Soil	21	0.37	126	0.017	<1	1.07	0.006	0.04	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228761	Soil	23	0.36	104	0.021	<1	1.17	0.005	0.04	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1228762	Soil	47	0.47	110	0.020	<1	1.41	0.005	0.03	0.2	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
1228763	Soil	22	0.27	64	0.027	<1	1.35	0.005	0.04	0.2	0.05	1.8	0.1	<0.05	4	<0.5	<0.2
1228764	Soil	9	0.06	76	0.008	<1	0.76	0.005	0.02	<0.1	0.03	0.3	0.1	<0.05	6	<0.5	<0.2
1228765	Soil	42	0.45	84	0.005	<1	1.18	0.004	0.04	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1228766	Soil	20	0.14	92	0.019	1	0.98	0.004	0.04	0.1	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
1228767	Soil	20	0.24	75	0.016	2	0.97	0.006	0.06	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1228768	Soil	29	0.45	171	0.036	2	1.87	0.008	0.05	0.2	0.10	3.7	<0.1	<0.05	4	<0.5	<0.2
1228769	Soil	24	0.32	110	0.028	1	1.38	0.006	0.05	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1228770	Soil	19	0.31	95	0.008	1	1.01	0.004	0.04	0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1228771	Soil	23	0.33	167	0.027	2	1.30	0.006	0.04	0.2	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
1228772	Soil	20	0.36	128	0.026	1	1.05	0.007	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228773	Soil	22	0.38	114	0.029	1	1.15	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1228774	Soil	30	0.40	160	0.036	1	1.93	0.008	0.04	0.2	0.05	3.4	0.1	<0.05	4	0.7	<0.2
1228775	Soil	21	0.37	78	0.014	<1	1.05	0.006	0.03	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1228776	Soil	13	0.23	95	0.009	1	1.08	0.004	0.04	<0.1	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
1228777	Soil	29	0.39	121	0.042	<1	1.71	0.007	0.04	0.2	0.05	3.3	0.2	<0.05	6	<0.5	<0.2
1228778	Soil	23	0.38	129	0.024	1	1.52	0.006	0.05	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1228779	Soil	19	0.33	77	0.018	<1	1.25	0.005	0.03	0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1228780	Soil	25	0.34	108	0.025	1	1.47	0.007	0.04	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1228781	Soil	21	0.29	94	0.017	1	1.20	0.005	0.04	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1228782	Soil	23	0.34	97	0.015	<1	1.32	0.005	0.04	0.1	0.02	1.6	0.1	<0.05	4	0.5	<0.2
1228783	Soil	32	0.44	120	0.030	<1	1.68	0.006	0.04	0.2	0.03	3.1	0.1	<0.05	4	<0.5	<0.2

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

		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
1228784	Soil		1.0	23.9	19.1	46	<0.1	12.8	4.7	132	2.99	10.1	5.1	12.9	5	<0.1	0.3	0.2	28	0.02	0.025	36
1228785	Soil		0.6	16.2	17.8	30	<0.1	10.7	3.8	75	1.76	5.1	2.7	1.2	8	<0.1	0.3	0.2	20	0.03	0.039	26
1228786	Soil		1.6	19.3	20.8	56	<0.1	19.0	8.1	246	2.96	11.9	1.6	9.3	7	0.1	0.7	0.3	42	0.04	0.027	21
1228787	Soil		0.5	15.5	15.3	43	<0.1	8.6	3.3	106	2.55	5.9	2.0	8.6	6	<0.1	0.2	0.2	20	0.02	0.033	40
1228788	Soil		0.9	29.1	27.9	54	<0.1	23.5	11.7	193	2.98	11.1	2.4	13.0	6	<0.1	0.5	0.2	26	0.04	0.025	28
1228789	Soil		0.8	19.8	18.3	45	<0.1	17.6	7.0	170	2.58	9.2	1.0	5.2	6	<0.1	0.4	0.2	27	0.04	0.034	27
1228790	Soil		0.8	19.9	18.2	51	<0.1	17.4	7.8	211	2.41	11.3	1.5	8.9	7	<0.1	0.5	0.2	30	0.05	0.030	26
1228791	Soil		1.0	23.0	26.3	40	<0.1	9.3	4.4	146	2.49	6.9	1.6	4.9	8	<0.1	0.3	0.4	31	0.04	0.029	24
1228792	Soil		0.7	9.2	13.8	29	<0.1	7.5	3.0	74	1.82	6.8	2.4	1.8	6	<0.1	0.3	0.2	28	0.04	0.042	23
1228793	Soil		0.8	20.5	14.8	56	<0.1	22.3	9.4	185	2.30	10.7	2.8	7.1	6	0.2	0.7	0.2	33	0.05	0.018	16
1228794	Soil		1.2	16.3	18.4	51	<0.1	13.7	7.0	279	2.77	11.4	2.6	6.1	8	<0.1	0.6	0.2	42	0.06	0.030	18
1228795	Soil		1.1	25.4	16.8	54	<0.1	16.2	8.8	287	2.69	12.8	4.0	7.5	10	0.1	0.8	0.2	44	0.08	0.035	20
1228796	Soil		0.8	27.8	30.6	53	<0.1	15.2	6.8	220	2.51	8.4	3.3	8.3	9	<0.1	0.5	0.3	26	0.06	0.035	35
1228797	Soil		0.9	19.6	17.5	51	<0.1	20.1	8.3	178	2.63	10.4	1.4	8.5	7	0.1	0.6	0.2	39	0.05	0.022	25
1228798	Soil		0.7	14.5	12.6	33	<0.1	12.8	4.2	132	1.64	9.3	1.9	6.7	12	<0.1	0.5	0.2	21	0.20	0.016	27
1228799	Soil		1.1	21.0	16.0	49	<0.1	19.9	6.4	187	2.46	11.2	0.9	7.3	10	<0.1	0.7	0.2	26	0.09	0.018	22
1228800	Soil		0.9	40.9	20.5	82	<0.1	34.3	11.8	393	3.67	14.3	1.4	12.1	9	<0.1	0.7	0.3	19	0.04	0.022	34
1228801	Soil		0.8	18.1	13.7	49	0.4	17.1	6.7	180	2.42	10.8	1.5	6.6	8	<0.1	1.0	0.2	32	0.06	0.018	20
1228802	Soil		1.1	36.0	17.4	76	0.2	35.1	18.0	689	3.43	12.1	21.3	15.4	21	<0.1	1.6	0.6	23	0.18	0.039	37
1228803	Soil		0.5	38.3	25.0	80	<0.1	34.2	17.3	823	3.65	15.6	2.1	16.8	17	0.1	1.0	0.4	26	0.16	0.042	45
1228804	Soil		1.1	11.7	19.2	52	1.0	14.0	7.6	212	2.49	13.5	2.3	5.6	10	<0.1	0.6	0.2	48	0.10	0.016	18
1228805	Soil		0.8	33.6	13.7	59	<0.1	24.5	8.7	212	2.87	18.2	6.0	8.8	9	<0.1	0.9	0.2	35	0.06	0.017	27
1228806	Soil		0.8	22.7	11.8	50	<0.1	18.9	7.1	210	2.46	9.9	1.4	7.9	14	<0.1	0.6	0.2	28	0.14	0.016	28
1228807	Soil		0.6	12.3	17.9	35	<0.1	15.3	6.0	152	1.94	11.8	16.3	6.9	34	<0.1	0.5	0.2	32	0.42	0.016	20
1228808	Soil		0.6	13.0	17.3	41	0.2	16.9	9.4	1071	2.12	4.5	<0.5	5.9	22	<0.1	0.4	0.2	36	0.23	0.029	18
1228809	Soil		0.6	27.8	20.2	55	<0.1	28.2	11.1	339	2.76	10.3	1.1	10.2	34	<0.1	0.6	0.3	29	0.38	0.017	24
1228810	Soil		0.7	35.3	32.3	83	<0.1	39.7	18.0	561	4.25	7.3	34.2	22.0	39	<0.1	0.5	0.6	21	0.73	0.028	35
1228811	Soil		0.6	29.2	24.2	45	0.4	21.3	8.5	369	2.40	14.5	2.6	9.2	70	0.1	0.7	0.2	21	0.94	0.028	23
1228812	Soil		1.1	31.1	27.2	58	0.3	24.6	10.6	543	3.07	13.4	1.1	9.8	42	0.2	0.7	0.3	18	0.46	0.033	26
1228813	Soil		0.9	26.2	27.6	67	0.1	24.1	11.7	454	3.19	20.3	0.9	9.4	47	0.2	0.8	0.3	23	0.59	0.034	30

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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
1228784	Soil	19	0.41	65	0.007	<1	1.44	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1228785	Soil	13	0.19	72	0.004	<1	0.80	0.004	0.03	0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1228786	Soil	27	0.44	111	0.025	<1	1.89	0.005	0.04	0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1228787	Soil	17	0.42	58	0.006	<1	1.29	0.005	0.03	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1228788	Soil	21	0.44	77	0.015	<1	1.51	0.005	0.04	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228789	Soil	19	0.36	77	0.011	<1	1.14	0.005	0.03	0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1228790	Soil	19	0.38	149	0.015	<1	1.20	0.008	0.03	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1228791	Soil	19	0.35	74	0.014	<1	1.20	0.004	0.03	0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1228792	Soil	16	0.25	66	0.012	<1	0.99	0.005	0.03	0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1228793	Soil	21	0.38	136	0.024	<1	1.40	0.004	0.04	0.2	0.04	2.1	<0.1	<0.05	3	0.7	<0.2
1228794	Soil	27	0.42	121	0.029	<1	1.69	0.007	0.04	0.2	0.04	2.9	0.1	<0.05	4	0.5	<0.2
1228795	Soil	29	0.43	173	0.033	2	1.70	0.012	0.04	0.2	0.08	3.4	0.1	<0.05	4	0.5	<0.2
1228796	Soil	20	0.44	111	0.017	<1	1.21	0.005	0.04	<0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
1228797	Soil	23	0.39	117	0.025	<1	1.51	0.005	0.05	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1228798	Soil	12	0.23	121	0.007	<1	0.84	0.005	0.05	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1228799	Soil	16	0.28	114	0.013	<1	0.99	0.007	0.05	0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1228800	Soil	17	0.40	100	0.007	<1	1.12	0.009	0.06	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1228801	Soil	20	0.34	117	0.015	<1	1.32	0.007	0.05	0.1	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
1228802	Soil	21	0.64	172	0.020	2	1.44	0.005	0.08	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1228803	Soil	22	0.59	143	0.049	1	1.03	0.011	0.07	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228804	Soil	24	0.34	200	0.027	1	1.69	0.006	0.05	0.2	0.01	2.3	0.1	<0.05	5	0.6	<0.2
1228805	Soil	24	0.44	177	0.021	1	1.42	0.004	0.05	0.2	0.02	2.3	<0.1	<0.05	4	0.5	<0.2
1228806	Soil	21	0.42	156	0.013	1	1.46	0.007	0.05	0.1	0.01	2.2	<0.1	<0.05	4	0.7	<0.2
1228807	Soil	19	0.24	249	0.009	1	1.31	0.005	0.04	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228808	Soil	17	0.24	305	0.014	1	1.16	0.009	0.11	0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1228809	Soil	20	0.39	185	0.014	<1	1.33	0.005	0.05	0.2	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1228810	Soil	20	0.53	146	0.009	1	1.48	0.004	0.07	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1228811	Soil	16	0.30	256	0.004	1	1.26	0.008	0.07	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228812	Soil	17	0.42	164	0.006	<1	1.19	0.005	0.07	<0.1	0.01	1.9	<0.1	<0.05	3	0.7	<0.2
1228813	Soil	18	0.44	211	0.008	2	1.25	0.006	0.07	<0.1	0.02	2.4	<0.1	<0.05	3	0.7	<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
1228814	Soil		0.7	23.3	21.3	63	0.1	22.7	8.9	276	2.59	16.0	3.7	8.7	37	0.1	0.8	0.2	23	0.55	0.043	24
1228815	Soil		0.9	23.6	19.5	64	0.1	21.8	9.3	310	2.56	15.8	7.5	7.4	33	0.1	0.9	0.2	30	0.48	0.028	24
1228816	Soil		0.6	22.3	10.3	54	0.1	19.2	7.9	303	1.91	13.2	1.6	3.8	23	0.2	0.8	0.2	27	0.30	0.070	14
1228817	Soil		0.6	17.0	9.7	36	0.2	17.2	8.7	319	1.71	7.8	0.9	2.0	35	0.2	0.6	0.2	28	0.77	0.066	13
1228818	Soil		0.6	22.0	9.7	54	<0.1	19.4	7.6	238	1.88	12.4	2.2	4.7	12	0.1	0.7	0.2	29	0.14	0.043	17
1228819	Soil		1.2	19.3	17.9	71	0.1	26.4	9.4	221	2.86	28.3	1.6	4.8	13	0.1	1.1	0.2	43	0.13	0.038	14
1228820	Soil		0.7	23.7	19.6	74	0.1	25.0	10.1	364	2.70	13.0	1.5	8.7	23	0.2	0.7	0.3	33	0.41	0.032	26
1228821	Soil		0.9	24.7	12.2	68	0.1	23.1	8.1	379	2.15	12.9	1.4	4.9	21	0.2	1.0	0.2	30	0.29	0.065	17
1228822	Soil		0.7	24.5	11.7	66	0.1	22.2	7.3	274	2.14	11.5	1.4	5.1	21	0.2	1.0	0.2	31	0.33	0.063	19
1228823	Soil		1.0	17.3	11.3	57	<0.1	21.0	7.5	228	2.15	11.7	2.2	5.0	18	<0.1	0.8	0.2	39	0.27	0.044	16
1228824	Soil		1.0	18.1	10.4	49	<0.1	19.3	7.6	312	2.02	14.4	7.4	4.5	19	<0.1	0.9	0.2	38	0.26	0.043	15
1228825	Soil		0.8	23.7	11.3	52	<0.1	22.5	7.3	219	1.97	16.1	2.8	4.6	18	<0.1	0.7	0.2	32	0.25	0.050	16
1228826	Soil		0.7	30.1	22.3	68	0.2	28.0	10.0	384	2.38	14.5	2.3	9.2	60	0.3	0.8	0.2	22	1.39	0.062	21
1228827	Soil		0.8	20.9	17.5	47	0.2	21.6	9.0	155	2.34	10.3	14.1	8.3	20	<0.1	0.7	0.2	36	0.22	0.012	23
1228828	Soil		0.8	27.4	12.7	54	0.1	20.6	7.2	191	2.00	12.8	1.8	4.5	28	0.1	0.8	0.2	28	0.37	0.046	16
1228829	Soil		0.9	26.8	14.2	57	0.2	24.0	8.9	383	2.28	12.3	3.4	3.9	58	0.1	0.9	0.2	36	0.66	0.069	16
1228830	Soil		0.7	15.8	10.1	48	0.1	16.9	6.9	221	1.86	11.2	0.9	2.8	41	<0.1	0.6	0.2	26	0.54	0.069	13
1228831	Soil		0.8	18.8	12.2	48	0.1	17.7	8.1	309	1.97	10.8	2.7	3.1	55	0.4	0.8	0.2	27	0.84	0.075	15
1228832	Soil		0.8	19.7	11.8	55	<0.1	18.0	7.2	308	1.93	15.4	1.5	4.1	17	0.1	1.2	0.2	27	0.24	0.052	16
1228833	Soil		0.4	10.5	13.1	44	<0.1	13.9	6.8	281	1.82	8.5	1.1	4.6	45	0.2	0.7	0.2	17	0.69	0.042	22
1228834	Soil		1.0	18.9	14.8	50	<0.1	17.7	6.8	168	2.67	10.3	3.0	6.9	9	<0.1	1.1	0.2	48	0.06	0.022	22
1228835	Soil		0.7	21.2	13.4	48	<0.1	19.6	7.2	162	2.45	14.9	3.7	5.5	7	<0.1	0.9	0.2	34	0.05	0.022	15
1228836	Soil		0.7	26.2	13.5	55	<0.1	22.4	8.7	252	2.52	13.3	2.4	6.9	11	0.1	0.9	0.2	44	0.07	0.014	23
1228837	Soil		1.0	19.1	14.3	46	<0.1	18.7	6.5	144	2.52	6.8	3.4	7.1	7	<0.1	0.7	0.2	29	0.04	0.023	34
1228838	Soil		0.6	35.7	27.0	82	0.1	34.2	14.2	320	3.08	16.3	5.7	16.0	17	<0.1	6.1	0.4	12	0.10	0.026	62
1228839	Soil		0.6	30.1	18.4	58	0.1	27.3	11.8	400	2.54	7.1	10.8	12.2	18	<0.1	2.6	0.3	19	0.18	0.031	42
1228840	Soil		0.6	17.4	12.8	43	<0.1	15.7	6.0	145	1.93	9.0	4.2	5.6	12	<0.1	1.5	0.2	25	0.13	0.040	25
1228841	Soil		0.8	18.4	12.3	42	<0.1	16.9	5.7	145	1.98	9.5	3.2	6.0	10	<0.1	0.7	0.2	25	0.11	0.036	21
1228842	Soil		0.7	23.3	12.9	52	<0.1	17.1	6.0	173	2.01	12.7	5.4	5.4	10	<0.1	1.0	0.2	26	0.13	0.049	23
1228843	Soil		0.5	11.8	9.0	34	<0.1	12.1	5.3	137	1.61	9.2	1.8	3.6	9	<0.1	0.5	0.1	26	0.11	0.035	13

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

	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
1228814	Soil	17	0.41	191	0.014	<1	0.94	0.007	0.05	0.2	0.02	2.3	<0.1	<0.05	3	0.8	<0.2
1228815	Soil	19	0.42	361	0.012	1	1.26	0.008	0.07	0.2	0.02	2.6	<0.1	<0.05	4	0.7	<0.2
1228816	Soil	16	0.32	242	0.025	1	0.71	0.007	0.05	0.2	0.04	2.1	<0.1	<0.05	2	0.6	<0.2
1228817	Soil	16	0.32	455	0.013	1	0.99	0.006	0.03	0.2	0.03	2.1	<0.1	<0.05	3	1.1	<0.2
1228818	Soil	18	0.29	227	0.031	3	0.91	0.008	0.03	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1228819	Soil	25	0.34	178	0.026	<1	1.49	0.004	0.05	0.3	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1228820	Soil	22	0.46	473	0.009	12	1.61	0.007	0.07	0.2	0.02	2.9	<0.1	<0.05	4	0.5	<0.2
1228821	Soil	18	0.38	307	0.024	<1	0.82	0.006	0.04	0.2	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1228822	Soil	17	0.38	340	0.027	1	0.90	0.008	0.05	0.2	0.04	2.3	<0.1	<0.05	3	0.5	<0.2
1228823	Soil	22	0.39	310	0.026	1	1.29	0.006	0.04	0.2	0.02	2.9	<0.1	<0.05	4	0.6	<0.2
1228824	Soil	21	0.34	302	0.035	1	1.04	0.006	0.05	0.3	0.02	2.4	<0.1	<0.05	3	0.5	<0.2
1228825	Soil	18	0.36	293	0.027	1	0.94	0.007	0.04	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1228826	Soil	13	0.48	199	0.017	2	0.87	0.006	0.06	0.2	0.02	2.3	<0.1	<0.05	2	0.6	<0.2
1228827	Soil	23	0.42	225	0.025	1	1.43	0.007	0.07	0.1	0.02	2.8	<0.1	<0.05	4	0.5	<0.2
1228828	Soil	16	0.33	254	0.023	<1	0.82	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	2	0.6	<0.2
1228829	Soil	21	0.41	394	0.025	2	1.14	0.010	0.05	0.2	0.04	2.8	<0.1	<0.05	3	0.9	<0.2
1228830	Soil	16	0.32	212	0.018	1	0.83	0.006	0.04	0.3	0.02	1.9	<0.1	<0.05	2	0.5	<0.2
1228831	Soil	17	0.33	261	0.016	1	0.82	0.005	0.03	0.4	0.03	1.9	<0.1	0.05	2	1.0	<0.2
1228832	Soil	16	0.31	178	0.025	1	0.75	0.006	0.04	0.3	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1228833	Soil	14	0.33	136	0.007	<1	0.74	0.005	0.04	0.2	0.02	1.2	<0.1	<0.05	2	0.5	<0.2
1228834	Soil	25	0.32	154	0.031	<1	1.72	0.006	0.04	0.2	0.02	2.4	0.1	<0.05	5	0.8	<0.2
1228835	Soil	21	0.30	84	0.028	<1	1.27	0.004	0.03	0.2	0.03	1.9	<0.1	<0.05	3	0.6	<0.2
1228836	Soil	28	0.41	221	0.045	<1	1.51	0.010	0.05	0.2	0.04	4.9	<0.1	<0.05	4	0.5	<0.2
1228837	Soil	16	0.19	78	0.011	<1	0.85	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1228838	Soil	11	0.11	86	0.003	<1	0.41	0.004	0.04	<0.1	0.08	1.5	<0.1	<0.05	2	<0.5	<0.2
1228839	Soil	14	0.17	173	0.006	<1	0.69	0.006	0.04	<0.1	0.08	2.1	<0.1	<0.05	3	<0.5	<0.2
1228840	Soil	17	0.26	131	0.012	1	0.92	0.005	0.03	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1228841	Soil	14	0.24	107	0.017	<1	0.90	0.005	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1228842	Soil	16	0.27	151	0.020	1	0.88	0.010	0.04	0.4	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1228843	Soil	13	0.23	138	0.019	<1	0.81	0.004	0.02	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2

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www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 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
		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
1228844	Soil		0.6	18.9	10.0	46	<0.1	15.6	5.7	121	1.83	9.2	12.0	5.1	12	<0.1	0.6	0.2	20	0.14	0.051	23
1228845	Soil		0.6	25.6	8.2	53	<0.1	17.5	6.8	249	1.72	13.0	1.5	3.7	11	0.1	0.8	0.1	22	0.16	0.053	13
1228846	Soil		0.7	27.7	12.9	52	0.1	19.7	7.4	210	2.07	17.1	5.9	2.5	13	<0.1	1.4	0.2	24	0.18	0.049	21
1228847	Soil		0.7	17.1	8.9	46	<0.1	15.8	7.4	232	1.89	12.4	12.7	4.4	12	<0.1	0.9	0.2	31	0.18	0.044	17
1228848	Soil		0.6	14.2	7.7	39	<0.1	14.3	6.3	212	1.71	11.9	17.3	2.7	9	<0.1	0.5	0.1	22	0.12	0.051	9
1228849	Soil		0.8	24.8	15.9	60	0.1	21.1	8.4	366	1.96	17.2	53.2	5.2	16	0.2	2.2	0.2	25	0.22	0.057	18
1228850	Soil		0.6	19.6	14.3	52	<0.1	16.3	6.4	196	1.78	14.6	2.7	5.8	13	<0.1	2.0	0.2	25	0.17	0.043	18
1228851	Soil		0.5	20.0	11.8	52	<0.1	17.0	6.2	212	1.80	14.9	2.6	5.3	16	0.1	1.9	0.2	23	0.22	0.056	18
1228852	Soil		0.7	25.8	11.7	57	0.1	21.3	7.1	232	2.04	16.0	2.7	4.4	18	0.2	1.7	0.2	29	0.28	0.063	17
1228853	Soil		0.7	17.5	9.7	48	<0.1	15.2	5.2	159	1.73	11.4	2.3	4.1	14	<0.1	1.1	0.2	27	0.20	0.047	15
1228854	Soil		0.6	28.4	19.9	66	0.1	24.3	9.4	393	2.21	21.4	5.6	7.0	20	0.2	3.1	0.3	25	0.30	0.058	23
1228855	Soil		0.5	18.1	9.1	43	<0.1	17.1	5.4	210	1.60	11.1	26.0	4.6	15	<0.1	1.3	0.2	22	0.22	0.053	17
1228856	Soil		0.9	27.3	17.9	69	0.1	23.7	8.6	316	2.27	21.5	4.0	7.1	23	0.2	3.1	0.2	31	0.32	0.062	24
1228857	Soil		0.7	19.6	14.2	54	<0.1	17.2	6.5	211	1.93	17.2	6.3	6.7	17	<0.1	2.6	0.2	25	0.23	0.050	23
1228858	Soil		0.6	18.5	13.4	52	<0.1	16.9	5.6	178	2.01	17.2	3.5	6.6	17	<0.1	2.6	0.2	25	0.21	0.046	22
1228859	Soil		0.7	33.7	25.0	76	0.2	29.1	11.0	556	2.76	29.9	4.8	8.3	28	0.3	5.8	0.4	22	0.43	0.055	31
1228860	Soil		0.6	27.0	24.7	65	<0.1	23.1	10.2	356	2.43	26.0	3.8	9.3	21	0.1	5.2	0.4	22	0.30	0.054	31
1228861	Soil		0.7	22.6	16.6	57	<0.1	21.1	7.8	212	2.30	23.6	3.0	7.4	11	0.1	3.6	0.3	22	0.13	0.029	26
1228862	Soil		0.8	21.4	22.5	62	0.1	20.4	8.5	291	2.19	33.7	2.4	7.2	19	0.2	4.0	0.3	21	0.27	0.040	24
1228863	Soil		0.6	41.1	22.2	74	0.1	31.6	14.4	419	2.96	29.1	7.5	10.8	26	0.2	3.7	0.3	34	0.39	0.058	31
1228864	Soil		0.8	28.8	20.3	72	0.2	26.7	9.3	237	2.59	36.6	3.8	8.3	24	0.2	3.7	0.3	24	0.39	0.046	28
1228865	Soil		0.8	28.9	19.7	77	<0.1	27.8	10.8	382	2.60	48.3	7.9	9.1	17	0.2	3.7	0.3	25	0.22	0.056	30
1228866	Soil		0.7	21.0	14.3	55	0.1	19.3	7.0	193	1.90	33.9	7.7	5.9	10	0.2	2.7	0.2	20	0.14	0.035	23
1228867	Soil		0.9	27.8	21.6	83	0.2	25.9	10.4	504	2.35	33.8	4.7	7.2	40	0.3	3.0	0.3	28	0.59	0.066	23
1228868	Soil		0.8	33.7	22.6	89	0.2	28.1	10.2	433	2.50	36.0	43.0	8.7	21	0.3	3.1	0.3	30	0.36	0.065	24
1228869	Soil		0.6	22.1	21.5	60	0.1	21.3	12.6	526	2.36	45.9	8.5	8.4	16	0.2	4.5	0.3	20	0.21	0.047	27
1228870	Soil		0.7	27.2	22.2	69	0.2	22.9	8.9	361	2.39	39.8	4.0	8.2	23	0.2	3.8	0.4	23	0.39	0.051	27
1228871	Soil		0.8	28.5	20.6	67	0.2	27.7	10.5	756	2.20	33.2	7.4	6.2	31	0.3	3.4	0.3	22	0.57	0.050	23
1228872	Soil		0.7	28.5	24.0	71	0.2	22.0	9.2	288	2.26	40.2	4.8	7.3	27	0.3	4.6	0.4	22	0.48	0.053	26
1228873	Soil		0.8	27.7	22.4	68	0.1	23.8	9.6	316	2.42	42.6	5.2	8.2	17	0.2	4.5	0.4	23	0.24	0.051	26

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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
1228844	Soil		13	0.25	157	0.010	<1	0.72	0.004	0.03	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1228845	Soil		14	0.25	147	0.016	<1	0.61	0.004	0.02	0.2	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1228846	Soil		15	0.30	183	0.009	<1	0.88	0.005	0.05	0.3	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1228847	Soil		15	0.28	182	0.022	<1	0.95	0.005	0.03	0.4	0.04	1.8	0.1	<0.05	3	<0.5	<0.2
1228848	Soil		13	0.25	80	0.016	1	0.65	0.003	0.02	0.2	0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
1228849	Soil		16	0.27	170	0.018	<1	0.74	0.005	0.04	0.3	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228850	Soil		17	0.31	139	0.023	<1	0.82	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1228851	Soil		15	0.30	118	0.022	1	0.78	0.006	0.06	0.3	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1228852	Soil		18	0.31	222	0.018	1	0.91	0.007	0.06	0.4	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1228853	Soil		16	0.28	186	0.014	<1	0.84	0.005	0.03	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228854	Soil		17	0.32	228	0.011	<1	0.92	0.007	0.07	0.3	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1228855	Soil		14	0.26	192	0.014	<1	0.70	0.006	0.04	0.3	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
1228856	Soil		20	0.36	203	0.029	1	1.00	0.010	0.08	0.3	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1228857	Soil		16	0.30	145	0.019	<1	0.87	0.006	0.06	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228858	Soil		17	0.30	133	0.016	<1	0.92	0.006	0.06	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1228859	Soil		18	0.32	136	0.008	<1	1.03	0.008	0.12	0.3	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1228860	Soil		17	0.31	104	0.015	<1	0.91	0.007	0.10	0.3	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1228861	Soil		16	0.30	95	0.011	<1	0.96	0.004	0.07	0.3	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228862	Soil		17	0.29	133	0.007	<1	0.94	0.007	0.07	0.5	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228863	Soil		32	0.56	100	0.030	<1	1.24	0.016	0.17	0.4	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
1228864	Soil		21	0.37	127	0.010	<1	1.19	0.012	0.11	0.6	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1228865	Soil		23	0.39	117	0.017	<1	1.16	0.010	0.12	0.6	0.03	2.3	0.1	<0.05	3	<0.5	<0.2
1228866	Soil		16	0.30	104	0.008	<1	0.95	0.005	0.06	0.6	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1228867	Soil		21	0.47	158	0.024	1	1.14	0.015	0.09	0.7	0.04	2.5	0.1	0.05	4	0.7	<0.2
1228868	Soil		21	0.45	154	0.030	<1	1.13	0.014	0.10	0.7	0.04	2.7	0.2	<0.05	4	<0.5	<0.2
1228869	Soil		16	0.32	94	0.016	<1	0.82	0.006	0.06	0.6	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228870	Soil		18	0.36	144	0.014	<1	1.00	0.008	0.08	0.7	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1228871	Soil		19	0.35	136	0.012	<1	0.94	0.008	0.07	0.5	0.04	1.9	<0.1	0.07	3	<0.5	<0.2
1228872	Soil		17	0.34	135	0.012	1	0.87	0.008	0.08	0.8	0.05	1.9	<0.1	0.06	3	<0.5	<0.2
1228873	Soil		18	0.36	142	0.019	<1	0.91	0.008	0.08	0.7	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2

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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

		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
1228874	Soil		0.7	27.2	23.4	71	0.2	22.0	8.2	234	2.36	35.4	4.3	8.2	21	0.1	5.0	0.4	23	0.28	0.053	26
1228875	Soil		1.0	19.3	13.3	51	<0.1	15.8	7.2	254	2.54	12.0	1.5	3.3	12	<0.1	0.7	0.2	46	0.09	0.041	18
1228876	Soil		1.1	15.6	12.2	60	<0.1	13.4	5.9	229	2.55	10.5	1.0	1.6	9	0.1	0.6	0.2	48	0.09	0.070	16
1228877	Soil		1.2	22.5	9.3	61	<0.1	18.5	7.6	252	2.25	9.6	2.8	4.2	9	0.1	0.9	0.2	37	0.07	0.026	15
1228878	Soil		0.7	11.8	10.9	34	<0.1	10.1	3.6	128	1.78	8.4	2.2	0.4	8	0.1	0.7	0.2	40	0.06	0.040	16
1228879	Soil		1.3	16.5	10.9	47	0.1	13.0	4.2	136	1.75	9.5	3.4	1.5	10	0.1	1.6	0.6	33	0.05	0.028	22
1228880	Soil		0.9	17.4	10.8	57	<0.1	21.2	7.9	219	2.37	10.3	4.5	0.6	13	<0.1	0.7	0.3	47	0.12	0.038	16
1228881	Soil		0.6	8.1	13.6	27	<0.1	7.0	2.3	68	1.45	6.0	2.8	0.3	8	<0.1	0.3	0.3	39	0.06	0.081	14
1228882	Soil		1.0	22.1	12.6	59	<0.1	18.7	7.1	190	2.35	8.9	2.2	5.6	8	0.2	0.5	0.2	32	0.05	0.030	25
1228883	Soil		1.1	15.2	16.5	48	<0.1	15.8	5.6	182	2.50	11.4	2.1	3.0	9	0.1	0.5	0.3	44	0.08	0.032	15
1228884	Soil		1.2	19.8	13.3	56	0.3	18.6	7.2	221	2.62	10.4	4.4	6.3	8	0.1	0.6	0.2	47	0.06	0.019	20
1228885	Soil		1.1	18.5	16.5	61	<0.1	21.9	7.3	235	2.73	13.7	0.6	4.6	8	0.1	0.8	0.2	39	0.06	0.024	15
1228886	Soil		0.8	15.4	19.7	65	0.1	14.8	5.5	171	2.22	20.3	1.0	9.9	6	<0.1	0.4	0.4	26	0.04	0.014	25
1228887	Soil		1.3	14.8	18.3	57	0.1	14.6	5.7	215	3.22	17.9	1.8	1.5	9	0.2	1.0	0.3	45	0.06	0.052	14
1228888	Soil		1.9	20.5	59.0	80	0.2	20.6	9.1	288	3.30	27.5	2.1	10.0	10	0.2	1.1	0.6	45	0.06	0.044	24
1228889	Soil		0.9	16.3	20.2	50	<0.1	17.6	6.1	152	2.51	12.0	2.2	7.7	7	0.1	0.7	0.3	32	0.05	0.020	22
1228890	Soil		1.5	14.7	14.0	45	0.1	14.5	5.6	154	2.47	10.6	7.5	5.1	9	0.1	0.7	0.2	53	0.07	0.019	16
1228891	Soil		1.6	18.7	11.6	48	<0.1	17.4	5.6	149	2.28	11.9	2.7	5.4	13	<0.1	0.8	0.4	43	0.06	0.019	23
1228892	Soil		1.7	97.1	14.9	76	0.1	35.1	14.4	806	2.94	12.3	2.6	6.5	8	0.1	0.9	0.4	35	0.03	0.024	21
1228893	Soil		1.6	40.3	45.1	97	0.3	23.4	7.7	378	2.59	14.8	3.2	4.7	15	0.3	1.5	0.4	29	0.06	0.045	29
1228894	Soil		1.4	20.2	17.7	56	<0.1	15.2	5.1	157	2.17	9.0	3.0	0.6	10	0.2	0.7	0.3	38	0.05	0.040	16
1228895	Soil		1.6	26.3	11.9	67	0.2	18.7	6.5	217	2.19	12.4	3.0	3.2	12	0.2	1.1	0.3	35	0.08	0.046	20
1228896	Soil		1.4	17.0	9.7	53	<0.1	13.3	5.5	211	2.10	10.1	3.2	1.2	9	0.1	0.7	0.2	36	0.08	0.049	16
1228897	Soil		2.5	22.7	18.2	41	0.2	11.5	3.6	120	2.01	9.4	4.5	0.4	12	0.2	0.5	1.2	38	0.06	0.085	13
1228898	Soil		1.0	29.6	12.9	59	0.1	20.3	7.6	216	2.63	11.3	4.1	4.7	9	<0.1	0.7	0.2	46	0.07	0.022	15
1228899	Soil		1.2	20.5	8.8	41	0.1	10.7	2.6	189	1.17	5.4	1.7	0.1	10	0.2	0.4	0.3	38	0.05	0.037	12
1228900	Soil		1.8	42.1	15.7	62	<0.1	19.5	7.9	298	3.11	11.6	11.7	3.0	14	0.2	0.7	0.3	51	0.10	0.036	16
1228901	Soil		1.1	38.3	11.7	56	<0.1	22.0	7.9	241	2.24	7.8	3.2	4.7	12	<0.1	0.7	0.2	39	0.10	0.023	16
1228902	Soil		1.3	15.5	13.5	55	0.4	18.4	9.2	239	2.68	13.3	3.4	5.1	11	0.1	0.7	0.2	52	0.07	0.023	14
1228903	Soil		1.3	63.2	13.8	48	<0.1	20.9	7.9	268	2.24	10.1	5.1	4.5	11	0.1	0.6	0.2	43	0.10	0.037	20

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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
1228874	Soil	19	0.36	159	0.022	1	0.93	0.009	0.07	0.6	0.06	2.2	<0.1	<0.05	3	<0.5	<0.2
1228875	Soil	26	0.38	199	0.027	<1	1.58	0.006	0.04	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1228876	Soil	27	0.40	153	0.018	<1	1.59	0.005	0.04	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
1228877	Soil	22	0.38	144	0.029	<1	1.34	0.005	0.03	0.2	0.04	2.3	0.2	<0.05	4	0.8	<0.2
1228878	Soil	20	0.25	96	0.016	<1	1.11	0.004	0.03	0.1	0.03	1.0	0.3	<0.05	5	<0.5	<0.2
1228879	Soil	18	0.28	121	0.016	<1	0.97	0.004	0.04	0.2	0.04	1.5	0.5	<0.05	3	0.6	<0.2
1228880	Soil	24	0.57	171	0.027	<1	1.45	0.005	0.03	0.1	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
1228881	Soil	18	0.20	123	0.014	<1	1.16	0.006	0.03	<0.1	0.02	0.7	0.2	<0.05	6	<0.5	<0.2
1228882	Soil	22	0.42	106	0.017	<1	1.38	0.004	0.04	0.2	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
1228883	Soil	25	0.37	111	0.022	<1	1.47	0.004	0.04	0.2	0.02	1.8	0.2	<0.05	5	0.5	<0.2
1228884	Soil	27	0.40	168	0.028	<1	1.73	0.006	0.05	0.2	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1228885	Soil	24	0.35	146	0.020	<1	1.51	0.004	0.05	0.2	0.02	2.1	0.2	<0.05	4	0.6	<0.2
1228886	Soil	17	0.24	107	0.011	<1	1.25	0.003	0.06	0.1	0.01	2.0	0.4	<0.05	3	<0.5	<0.2
1228887	Soil	23	0.30	86	0.018	<1	1.16	0.004	0.05	0.2	0.02	1.3	0.3	<0.05	4	0.6	<0.2
1228888	Soil	26	0.29	107	0.017	<1	1.54	0.006	0.07	0.2	0.03	2.1	0.4	<0.05	5	<0.5	<0.2
1228889	Soil	19	0.26	144	0.010	<1	1.46	0.003	0.04	0.2	0.03	2.1	0.2	<0.05	4	<0.5	<0.2
1228890	Soil	26	0.32	223	0.023	<1	1.67	0.005	0.04	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1228891	Soil	23	0.36	218	0.017	<1	1.44	0.005	0.04	0.2	0.03	2.0	0.3	<0.05	5	<0.5	<0.2
1228892	Soil	22	0.46	275	0.009	<1	1.47	0.003	0.04	0.2	0.03	2.7	0.6	<0.05	5	<0.5	<0.2
1228893	Soil	17	0.31	146	0.022	<1	0.97	0.004	0.05	0.2	0.02	2.4	0.6	<0.05	3	<0.5	<0.2
1228894	Soil	21	0.31	171	0.007	<1	1.22	0.004	0.03	0.2	0.03	1.0	0.2	<0.05	4	<0.5	<0.2
1228895	Soil	21	0.34	174	0.012	<1	1.08	0.004	0.04	0.2	0.04	2.2	0.6	<0.05	4	<0.5	<0.2
1228896	Soil	20	0.31	128	0.013	<1	1.13	0.004	0.04	0.2	0.03	1.5	0.3	<0.05	4	0.6	<0.2
1228897	Soil	21	0.24	160	0.006	<1	1.19	0.006	0.05	0.2	0.04	0.4	0.6	<0.05	4	0.6	<0.2
1228898	Soil	26	0.43	243	0.024	<1	1.63	0.006	0.04	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
1228899	Soil	10	0.07	124	0.005	<1	0.48	0.004	0.03	0.2	0.02	0.2	0.2	<0.05	4	<0.5	<0.2
1228900	Soil	26	0.33	299	0.026	<1	1.43	0.005	0.04	0.3	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1228901	Soil	23	0.44	352	0.024	<1	1.37	0.007	0.03	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228902	Soil	28	0.39	423	0.031	<1	1.77	0.006	0.04	0.2	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1228903	Soil	23	0.35	376	0.023	<1	1.47	0.005	0.03	0.2	0.04	2.9	0.1	<0.05	4	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
1228904	Soil	0.9	33.2	14.7	65	<0.1	19.7	9.8	312	2.65	13.1	3.2	5.5	11	<0.1	0.7	0.2	50	0.07	0.022	19
1228905	Soil	0.8	8.7	13.1	46	<0.1	9.3	4.4	177	2.54	16.9	3.3	2.9	5	0.2	0.6	0.2	41	0.05	0.049	10
1228906	Soil	1.6	48.9	12.9	69	0.1	23.2	11.4	327	2.45	10.3	45.4	5.4	11	0.1	0.8	0.2	43	0.08	0.025	16
1228907	Soil	1.0	19.0	11.6	46	0.1	15.9	7.4	231	2.39	11.2	1.6	2.9	13	0.2	0.5	0.3	53	0.14	0.026	11
1228908	Soil	1.6	144.3	10.0	65	0.3	29.4	13.0	243	3.16	10.7	7.4	2.8	20	0.2	0.6	1.7	65	0.25	0.056	11
1228909	Soil	0.8	30.1	12.5	56	0.1	23.3	9.4	199	2.50	12.0	2.7	5.1	9	0.1	0.7	0.2	42	0.08	0.018	14
1228910	Soil	3.2	29.6	14.1	77	<0.1	34.0	13.8	594	3.80	13.4	0.5	4.8	23	0.1	0.8	0.2	61	0.18	0.064	19
1228911	Soil	3.8	33.4	10.4	80	0.2	27.9	10.3	559	3.29	6.2	3.4	7.5	43	0.1	0.4	0.2	69	0.55	0.097	21
1228912	Soil	1.5	19.4	14.3	56	0.2	21.8	10.7	185	2.91	14.6	3.7	4.3	9	0.2	0.8	0.2	49	0.06	0.026	14
1228913	Soil	3.0	28.5	13.1	78	<0.1	28.4	11.7	375	3.30	9.3	30.6	5.3	19	0.1	0.5	0.4	60	0.18	0.072	17
1228914	Soil	3.3	30.5	13.3	67	0.2	23.1	8.3	380	2.67	8.8	<0.5	5.0	24	<0.1	0.5	0.3	57	0.25	0.052	18
1228915	Soil	8.4	87.2	88.9	286	1.1	50.4	17.3	539	4.08	12.9	<0.5	5.8	27	1.2	0.5	0.7	111	0.28	0.106	20
1228916	Soil	8.6	67.8	25.6	179	1.9	50.7	12.8	694	4.25	3.1	<0.5	10.0	73	2.1	0.4	0.5	108	0.51	0.150	33
1228917	Soil	3.6	38.1	23.1	144	0.4	31.1	10.2	422	3.03	5.5	<0.5	5.8	30	0.4	0.2	0.5	74	0.36	0.097	20
1228918	Soil	4.7	35.2	23.4	79	0.4	16.3	4.9	191	2.21	9.2	<0.5	0.3	22	0.4	0.5	4.6	43	0.13	0.090	22
1228919	Soil	3.0	45.8	13.8	109	0.4	29.4	10.5	330	2.77	7.4	11.0	6.2	27	0.4	0.6	0.4	63	0.36	0.106	23
1228920	Soil	1.7	21.9	9.9	51	0.2	14.8	6.1	144	2.00	9.2	<0.5	1.3	15	0.1	0.5	0.2	35	0.17	0.055	17
1228921	Soil	3.1	19.5	11.7	70	0.2	14.5	5.1	147	2.68	6.3	<0.5	2.1	17	0.3	0.7	0.4	50	0.10	0.063	23
1228922	Soil	2.9	19.9	8.9	44	0.2	13.3	4.0	85	1.61	7.3	<0.5	0.5	15	0.2	0.5	0.7	30	0.13	0.059	16
1228923	Soil	1.6	18.5	7.7	39	0.2	11.9	3.5	104	1.52	7.0	1.9	0.6	14	0.2	0.4	0.2	25	0.13	0.063	14
1228924	Soil	1.1	14.8	8.0	39	0.2	12.5	3.8	79	1.44	7.3	13.6	0.8	14	0.2	0.4	0.2	27	0.13	0.055	14
1228925	Soil	1.0	24.2	8.8	59	0.1	21.1	7.8	227	2.04	11.5	<0.5	4.1	21	0.1	0.8	0.1	32	0.25	0.065	16
1228926	Soil	1.0	21.0	9.7	58	0.1	17.8	8.3	310	2.03	9.5	1.2	3.2	24	0.1	0.7	0.2	34	0.30	0.068	16
1228927	Soil	1.3	18.7	9.9	58	0.1	16.3	6.5	142	2.09	9.1	4.7	1.8	23	0.1	0.6	0.2	38	0.28	0.061	16
1228928	Soil	0.8	17.9	8.8	52	<0.1	16.5	5.6	160	2.06	10.0	1.5	3.5	15	0.1	0.6	0.1	34	0.17	0.058	16
1228929	Soil	0.9	23.8	8.6	50	<0.1	17.4	6.2	167	1.92	11.6	9.0	3.5	13	<0.1	0.7	0.2	30	0.13	0.052	14
1228930	Soil	1.5	26.9	11.4	66	0.1	21.1	6.5	171	2.46	13.1	<0.5	1.7	11	0.3	0.6	0.2	40	0.14	0.064	14
1228931	Soil	1.4	30.9	9.2	71	0.2	20.9	6.8	251	2.02	7.8	<0.5	4.7	23	0.1	0.6	0.2	40	0.32	0.061	18
1228932	Soil	1.1	27.0	10.3	56	0.1	18.9	7.2	243	2.08	8.8	5.2	3.9	20	0.1	0.5	0.2	35	0.24	0.055	17
1228933	Soil	1.8	47.5	9.8	70	0.2	24.4	6.6	233	2.19	10.2	<0.5	4.9	16	0.2	0.7	0.2	37	0.14	0.049	18

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

		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
1228904	Soil		28	0.43	345	0.032	<1	1.71	0.007	0.05	0.2	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
1228905	Soil		16	0.23	106	0.020	<1	0.99	0.003	0.03	0.3	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1228906	Soil		26	0.42	320	0.026	<1	1.53	0.006	0.04	0.2	0.03	3.3	0.1	<0.05	4	<0.5	<0.2
1228907	Soil		24	0.34	267	0.020	<1	1.67	0.008	0.03	0.2	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
1228908	Soil		28	0.61	169	0.036	<1	1.92	0.018	0.08	0.3	0.02	3.9	0.6	<0.05	5	1.1	<0.2
1228909	Soil		26	0.42	208	0.025	<1	1.70	0.006	0.04	0.2	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
1228910	Soil		44	0.87	207	0.079	1	2.44	0.038	0.12	0.2	0.01	3.8	0.2	0.08	7	<0.5	<0.2
1228911	Soil		53	1.30	312	0.130	1	2.48	0.071	0.48	0.2	0.02	6.2	0.5	0.16	8	0.5	<0.2
1228912	Soil		31	0.44	184	0.032	<1	1.77	0.006	0.05	0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
1228913	Soil		42	0.78	200	0.066	2	2.41	0.013	0.08	0.2	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
1228914	Soil		38	0.75	210	0.072	1	1.95	0.026	0.09	0.2	0.02	4.9	0.3	0.06	6	0.8	<0.2
1228915	Soil		82	1.21	168	0.086	2	2.55	0.020	0.10	0.3	0.02	6.4	0.4	0.07	9	1.7	<0.2
1228916	Soil		81	1.59	213	0.129	1	2.37	0.083	0.73	0.2	0.02	7.1	0.8	0.43	10	3.3	<0.2
1228917	Soil		55	1.13	215	0.129	1	2.50	0.058	0.42	0.2	0.01	5.5	0.6	0.08	9	0.6	<0.2
1228918	Soil		29	0.32	114	0.015	1	1.00	0.009	0.10	0.2	0.03	1.0	0.8	0.08	5	1.8	<0.2
1228919	Soil		42	0.87	317	0.082	2	1.75	0.021	0.21	0.3	0.03	5.7	0.7	<0.05	6	1.1	<0.2
1228920	Soil		21	0.34	172	0.025	1	1.15	0.006	0.05	0.2	0.03	1.9	0.2	<0.05	4	0.5	<0.2
1228921	Soil		30	0.41	161	0.025	1	1.49	0.006	0.07	0.3	0.02	2.4	0.7	<0.05	5	1.0	<0.2
1228922	Soil		18	0.25	162	0.016	1	0.81	0.005	0.04	0.2	0.04	1.3	0.3	<0.05	3	0.8	<0.2
1228923	Soil		15	0.24	155	0.015	2	0.77	0.005	0.03	0.3	0.03	1.0	0.1	<0.05	3	0.8	<0.2
1228924	Soil		16	0.23	185	0.017	1	0.74	0.005	0.03	0.3	0.04	1.4	0.1	<0.05	3	<0.5	<0.2
1228925	Soil		20	0.31	265	0.037	1	0.87	0.008	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1228926	Soil		20	0.35	301	0.029	1	1.03	0.008	0.05	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1228927	Soil		22	0.36	247	0.032	2	1.11	0.008	0.05	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1228928	Soil		20	0.36	160	0.034	2	1.22	0.006	0.04	0.2	0.01	2.2	0.1	<0.05	3	<0.5	<0.2
1228929	Soil		20	0.31	185	0.030	1	1.03	0.005	0.04	0.2	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
1228930	Soil		23	0.35	147	0.027	2	1.30	0.006	0.06	0.3	<0.01	1.6	0.2	<0.05	4	<0.5	<0.2
1228931	Soil		24	0.39	291	0.051	2	1.18	0.011	0.06	0.2	0.02	3.4	0.2	<0.05	4	<0.5	<0.2
1228932	Soil		22	0.40	318	0.033	2	1.25	0.009	0.05	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1228933	Soil		24	0.39	162	0.037	1	1.14	0.007	0.05	0.3	0.01	3.0	0.3	<0.05	3	<0.5	<0.2

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www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001421.1

	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																					
1228647	Soil	1.7	40.1	7.4	64	0.4	16.1	4.5	119	1.52	5.9	10.1	1.2	15	1.0	0.4	0.3	30	0.14	0.053	14
REP 1228647	QC	1.8	38.0	7.2	61	0.4	16.4	4.6	120	1.53	6.0	4.5	1.0	15	1.0	0.3	0.3	31	0.14	0.051	13
1228729	Soil	0.5	16.1	10.1	51	<0.1	13.3	4.5	112	1.68	9.3	12.8	4.0	19	0.2	0.7	0.2	27	0.21	0.062	15
REP 1228729	QC	0.6	15.8	9.8	50	<0.1	12.6	4.4	108	1.65	8.4	17.2	3.9	18	0.1	0.7	0.2	27	0.20	0.061	14
1228736	Soil	1.1	34.2	14.1	56	<0.1	23.5	7.8	187	2.50	13.3	17.1	7.6	6	<0.1	0.9	0.2	36	0.05	0.016	23
REP 1228736	QC	1.1	33.5	14.8	51	<0.1	22.9	7.8	186	2.42	13.1	3.2	7.5	7	<0.1	0.9	0.2	36	0.05	0.015	23
1228751	Soil	0.7	20.7	20.8	41	<0.1	29.7	7.9	171	2.59	5.1	7.6	1.2	8	0.4	0.3	0.2	53	0.06	0.032	25
REP 1228751	QC	0.7	20.9	13.5	41	<0.1	29.3	8.2	176	2.56	4.9	2.5	1.8	8	<0.1	0.4	0.2	55	0.05	0.031	24
1228779	Soil	0.8	13.0	17.1	39	<0.1	12.7	6.2	180	2.41	8.0	4.0	4.7	8	<0.1	0.4	0.2	31	0.06	0.030	18
REP 1228779	QC	0.7	12.4	17.4	39	<0.1	12.0	6.2	189	2.48	8.1	2.0	5.1	8	<0.1	0.4	0.2	32	0.06	0.031	18
1228796	Soil	0.8	27.8	30.6	53	<0.1	15.2	6.8	220	2.51	8.4	3.3	8.3	9	<0.1	0.5	0.3	26	0.06	0.035	35
REP 1228796	QC	0.8	27.9	32.7	54	<0.1	15.0	6.7	226	2.53	8.3	2.3	8.9	9	0.1	0.4	0.3	27	0.06	0.038	37
1228811	Soil	0.6	29.2	24.2	45	0.4	21.3	8.5	369	2.40	14.5	2.6	9.2	70	0.1	0.7	0.2	21	0.94	0.028	23
REP 1228811	QC	0.7	29.6	24.1	44	0.4	22.1	8.4	360	2.41	14.5	1.6	8.8	72	0.2	0.7	0.2	19	0.92	0.028	20
1228837	Soil	1.0	19.1	14.3	46	<0.1	18.7	6.5	144	2.52	6.8	3.4	7.1	7	<0.1	0.7	0.2	29	0.04	0.023	34
REP 1228837	QC	0.9	20.5	15.3	49	<0.1	18.5	6.8	147	2.57	7.3	3.8	7.3	8	<0.1	0.8	0.2	30	0.04	0.024	37
1228855	Soil	0.5	18.1	9.1	43	<0.1	17.1	5.4	210	1.60	11.1	26.0	4.6	15	<0.1	1.3	0.2	22	0.22	0.053	17
REP 1228855	QC	0.6	18.8	9.4	45	<0.1	17.1	5.6	217	1.66	11.7	12.2	4.6	15	<0.1	1.4	0.2	24	0.23	0.058	18
1228861	Soil	0.7	22.6	16.6	57	<0.1	21.1	7.8	212	2.30	23.6	3.0	7.4	11	0.1	3.6	0.3	22	0.13	0.029	26
REP 1228861	QC	0.7	23.4	17.4	59	<0.1	20.8	7.7	221	2.34	23.8	7.8	7.7	11	0.1	3.6	0.3	22	0.12	0.030	26
1228875	Soil	1.0	19.3	13.3	51	<0.1	15.8	7.2	254	2.54	12.0	1.5	3.3	12	<0.1	0.7	0.2	46	0.09	0.041	18
REP 1228875	QC	1.0	20.2	13.8	51	<0.1	15.8	7.4	259	2.64	12.8	4.2	3.7	12	<0.1	0.6	0.2	47	0.09	0.042	18
1228907	Soil	1.0	19.0	11.6	46	0.1	15.9	7.4	231	2.39	11.2	1.6	2.9	13	0.2	0.5	0.3	53	0.14	0.026	11
REP 1228907	QC	1.1	19.2	11.8	47	0.1	16.2	7.4	226	2.36	11.1	2.2	2.8	12	0.2	0.5	0.3	52	0.13	0.027	11
1228913	Soil	3.0	28.5	13.1	78	<0.1	28.4	11.7	375	3.30	9.3	30.6	5.3	19	0.1	0.5	0.4	60	0.18	0.072	17
REP 1228913	QC	3.4	27.8	13.0	77	<0.1	28.6	11.8	368	3.21	9.5	<0.5	5.6	19	0.1	0.6	0.4	57	0.18	0.075	18
1228929	Soil	0.9	23.8	8.6	50	<0.1	17.4	6.2	167	1.92	11.6	9.0	3.5	13	<0.1	0.7	0.2	30	0.13	0.052	14
REP 1228929	QC	1.0	25.0	9.0	55	<0.1	17.4	6.4	176	2.07	12.8	1.9	3.8	13	0.1	0.7	0.2	31	0.15	0.055	15

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QUALITY CONTROL REPORT WHI11001421.1

	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
Pulp Duplicates																	
1228647	Soil	20	0.31	159	0.019	1	1.00	0.005	0.04	0.5	0.04	1.5	0.4	<0.05	3	0.8	<0.2
REP 1228647	QC	20	0.30	147	0.021	1	0.97	0.005	0.03	0.4	0.04	1.5	0.4	<0.05	3	1.0	<0.2
1228729	Soil	16	0.30	188	0.017	<1	0.88	0.005	0.03	0.4	0.06	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228729	QC	15	0.29	180	0.015	<1	0.84	0.005	0.03	0.3	0.06	1.6	<0.1	<0.05	2	0.7	<0.2
1228736	Soil	24	0.36	139	0.030	<1	1.29	0.006	0.04	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
REP 1228736	QC	23	0.34	141	0.031	<1	1.25	0.006	0.04	0.2	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
1228751	Soil	63	0.45	83	0.014	<1	1.28	0.006	0.06	<0.1	0.08	2.1	0.2	<0.05	4	<0.5	<0.2
REP 1228751	QC	66	0.45	82	0.012	<1	1.27	0.004	0.06	<0.1	0.07	2.1	0.2	<0.05	4	<0.5	<0.2
1228779	Soil	19	0.33	77	0.018	<1	1.25	0.005	0.03	0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
REP 1228779	QC	20	0.33	77	0.018	1	1.28	0.005	0.03	0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1228796	Soil	20	0.44	111	0.017	<1	1.21	0.005	0.04	<0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 1228796	QC	21	0.47	115	0.018	2	1.32	0.006	0.05	0.1	0.05	2.2	<0.1	<0.05	3	0.6	<0.2
1228811	Soil	16	0.30	256	0.004	1	1.26	0.008	0.07	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228811	QC	15	0.28	249	0.004	<1	1.14	0.008	0.07	0.1	0.02	2.3	0.1	<0.05	3	<0.5	<0.2
1228837	Soil	16	0.19	78	0.011	<1	0.85	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228837	QC	17	0.20	88	0.017	<1	0.89	0.004	0.05	0.1	0.02	1.5	<0.1	<0.05	3	0.5	<0.2
1228855	Soil	14	0.26	192	0.014	<1	0.70	0.006	0.04	0.3	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
REP 1228855	QC	15	0.27	196	0.018	<1	0.75	0.005	0.04	0.4	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228861	Soil	16	0.30	95	0.011	<1	0.96	0.004	0.07	0.3	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1228861	QC	17	0.30	98	0.010	<1	0.97	0.005	0.06	0.3	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228875	Soil	26	0.38	199	0.027	<1	1.58	0.006	0.04	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
REP 1228875	QC	27	0.39	206	0.026	1	1.60	0.005	0.04	0.2	0.04	3.3	0.2	<0.05	5	0.5	<0.2
1228907	Soil	24	0.34	267	0.020	<1	1.67	0.008	0.03	0.2	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
REP 1228907	QC	23	0.34	269	0.017	<1	1.66	0.008	0.03	0.2	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
1228913	Soil	42	0.78	200	0.066	2	2.41	0.013	0.08	0.2	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
REP 1228913	QC	41	0.79	199	0.066	1	2.36	0.013	0.08	0.2	0.02	3.9	0.3	<0.05	6	<0.5	<0.2
1228929	Soil	20	0.31	185	0.030	1	1.03	0.005	0.04	0.2	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
REP 1228929	QC	20	0.32	202	0.031	2	1.07	0.005	0.04	0.2	0.02	2.2	0.1	<0.05	3	<0.5	<0.2

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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001421.1

		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
Reference Materials																					
STD DS8	Standard	14.0	113.6	124.3	324	1.8	38.5	7.5	622	2.52	25.8	119.6	7.6	76	2.5	6.3	6.9	41	0.72	0.088	20
STD DS8	Standard	12.9	105.8	121.1	301	1.7	37.9	7.4	587	2.37	22.7	106.3	6.7	63	2.1	5.3	6.0	41	0.66	0.077	15
STD DS8	Standard	12.9	107.4	118.9	311	1.8	37.2	7.2	606	2.38	24.0	130.9	7.0	72	2.3	5.2	6.6	42	0.69	0.077	17
STD DS8	Standard	12.2	110.4	127.2	314	1.8	38.1	7.3	619	2.47	25.0	107.3	6.7	66	2.2	5.8	6.8	42	0.68	0.080	15
STD DS8	Standard	12.9	107.6	129.1	313	1.9	37.1	7.4	617	2.48	24.3	115.4	7.1	68	2.3	5.7	6.5	42	0.68	0.080	16
STD DS8	Standard	12.6	97.2	121.8	286	1.8	33.2	6.5	556	2.25	23.2	107.8	6.8	65	2.1	4.8	5.7	39	0.67	0.072	15
STD DS8	Standard	14.5	114.7	132.8	324	1.9	40.9	7.9	634	2.55	25.3	114.3	7.3	70	2.4	5.7	6.8	45	0.73	0.082	18
STD DS8	Standard	11.7	98.5	117.4	280	1.7	33.8	6.9	539	2.15	21.9	108.6	6.5	56	2.3	4.9	5.7	37	0.60	0.069	13
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
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
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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Project: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001421.1

		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
Reference Materials																	
STD DS8	Standard	116	0.65	305	0.141	4	1.04	0.098	0.43	3.1	0.22	3.0	5.6	0.15	5	4.8	5.6
STD DS8	Standard	112	0.57	266	0.110	2	0.86	0.090	0.40	3.0	0.18	2.4	5.3	0.16	4	4.9	4.7
STD DS8	Standard	116	0.60	277	0.119	2	0.94	0.101	0.44	2.8	0.19	3.0	5.2	0.15	5	5.0	4.8
STD DS8	Standard	117	0.60	279	0.123	3	0.94	0.096	0.42	3.2	0.20	2.8	5.4	0.15	4	4.6	4.9
STD DS8	Standard	114	0.61	287	0.118	2	0.95	0.098	0.42	3.0	0.18	2.7	5.5	0.16	5	5.3	5.1
STD DS8	Standard	106	0.56	272	0.114	3	0.88	0.102	0.42	2.6	0.18	2.6	5.2	0.10	4	4.7	4.4
STD DS8	Standard	127	0.65	293	0.123	3	0.97	0.103	0.44	3.1	0.21	2.6	5.7	0.21	5	5.4	5.0
STD DS8	Standard	104	0.58	242	0.104	2	0.80	0.076	0.38	2.7	0.19	1.8	5.0	0.14	4	3.8	4.5
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
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
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: Silt Sample Assay Certificates

Note: Certificate WHI11001381.1 contains results for additional Goldspike Exploration properties. Samples from the Seattle Property are:

1225705
1225906

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: August 27, 2011
Report Date: October 29, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI11001381.1

CLIENT JOB INFORMATION

Project: MQ+SEA+SP+BM
Shipment ID: mqsilts(1-4)
P.O. Number
Number of Samples: 56

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	56	Dry at 60C			WHI
SS80	56	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	56	Saving all or part of Soil Reject			WHI
1DX2	55	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: 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: MQ+SEA+SP+BM
Report Date: October 29, 2011

CERTIFICATE OF ANALYSIS WHI11001381.1

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
1220721	Silt	1.4	98.3	10.4	74	1.5	11.8	5.9	412	1.86	14.8	2.5	1.0	12	0.6	0.6	2.3	29	0.15	0.064	13
1220722	Silt	0.9	35.2	13.2	150	0.8	19.4	8.2	711	1.90	66.4	1.6	2.0	11	2.4	0.6	1.5	24	0.19	0.055	15
1220723	Silt	0.6	20.2	13.1	58	0.1	16.1	6.5	223	1.78	12.7	2.9	2.2	9	0.3	0.7	0.2	24	0.11	0.047	14
1220724	Silt	0.6	18.4	11.8	89	0.9	25.7	8.7	406	1.87	14.2	6.3	2.2	12	1.1	0.6	0.3	24	0.15	0.058	15
1220725	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1220726	Silt	1.3	31.6	41.9	263	3.2	10.4	5.7	404	1.71	27.0	20.0	0.8	17	3.5	0.5	0.7	29	0.16	0.043	22
1220727	Silt	1.6	44.2	48.2	449	0.8	15.7	6.3	335	1.93	41.4	2.8	2.5	15	4.1	0.8	2.1	31	0.19	0.057	18
1220728	Silt	0.4	13.7	10.4	68	0.1	16.7	8.2	306	1.62	12.2	10.9	4.0	14	0.5	0.7	0.4	18	0.17	0.042	17
1220729	Silt	0.6	24.5	14.1	64	0.1	23.2	10.4	361	2.22	6.8	2.1	3.0	28	0.2	0.9	0.2	27	0.25	0.044	18
1220730	Silt	1.5	15.8	13.6	159	0.2	13.4	6.5	368	1.81	271.5	8.2	3.3	22	1.4	0.7	0.8	30	0.24	0.053	16
1222113	Silt	1.1	1925	626.0	1596	38.7	35.0	58.1	3177	6.68	4376	9.2	9.2	20	36.4	5.4	92.4	23	0.15	0.061	39
1222114	Silt	0.6	59.5	27.2	328	0.6	21.6	10.7	373	2.49	174.2	2.5	3.9	17	3.0	0.5	2.2	25	0.25	0.049	19
1222115	Silt	1.0	59.7	23.0	393	0.6	21.7	8.2	200	2.27	106.4	1.9	3.8	23	1.8	0.3	2.5	24	0.35	0.074	17
1222116	Silt	1.1	25.6	20.8	68	<0.1	26.4	13.2	914	2.93	10.5	10.9	7.9	37	0.3	0.7	0.3	18	0.35	0.050	32
1222117	Silt	0.5	26.8	17.3	71	0.2	23.4	11.5	361	2.76	21.3	1.5	9.5	30	0.4	1.0	0.6	16	0.27	0.040	35
1222118	Silt	0.5	23.2	21.9	81	<0.1	29.5	13.9	546	3.34	20.1	2.9	12.5	45	0.1	1.5	0.3	13	0.75	0.047	35
1220665	Silt	1.8	73.6	10.4	153	0.4	32.5	10.6	507	2.29	34.2	3.4	1.0	24	1.2	0.5	2.0	44	0.27	0.064	14
1220666	Silt	2.6	78.1	13.2	181	0.3	53.9	17.4	794	3.03	42.5	5.3	2.8	32	1.3	0.9	4.1	73	0.35	0.089	17
1220667	Silt	1.5	42.2	11.6	127	0.3	24.9	10.1	634	2.11	28.2	2.5	0.8	18	1.1	0.6	1.2	36	0.25	0.078	15
1220668	Silt	1.4	37.8	14.2	150	0.3	25.0	8.3	514	2.10	28.6	1.9	1.2	17	1.4	0.6	2.1	33	0.24	0.086	15
1220669	Silt	0.7	27.9	88.5	155	2.8	29.3	14.1	930	2.96	26.9	6.9	7.2	21	1.8	1.8	0.5	16	0.28	0.050	32
1220670	Silt	0.9	30.6	46.0	126	2.3	29.9	13.6	606	2.77	49.3	3.3	8.0	17	1.1	4.7	0.3	14	0.22	0.044	31
1220671	Silt	0.8	22.7	29.1	96	0.9	25.5	12.5	701	2.18	15.8	3.6	5.1	25	0.9	1.5	0.2	19	0.32	0.051	24
1220672	Silt	0.5	15.5	14.6	87	0.3	19.0	11.4	539	1.68	16.5	6.2	3.6	16	0.9	0.8	0.7	19	0.21	0.045	17
1220673	Silt	0.6	50.1	51.0	527	1.1	23.8	9.3	577	2.17	44.1	3.5	3.4	14	6.2	0.6	1.2	25	0.24	0.046	24
1220674	Silt	1.6	46.3	32.9	522	0.8	23.0	9.3	622	1.92	38.3	2.7	2.6	28	8.2	0.5	1.5	24	0.56	0.054	20
1220675	Silt	1.1	36.3	28.1	407	0.6	20.9	7.7	417	1.87	35.9	11.0	3.0	22	4.0	0.5	1.8	22	0.42	0.043	16
1220676	Silt	0.7	19.1	15.3	84	0.2	22.1	11.4	465	2.04	13.2	1.2	4.4	19	0.9	0.9	0.3	21	0.25	0.047	20
1220677	Silt	0.7	24.2	19.9	73	0.1	25.7	12.2	564	2.60	7.6	7.1	3.5	33	0.3	1.1	0.2	32	0.33	0.054	22
1220678	Silt	0.6	19.6	18.4	116	0.5	28.4	15.6	676	2.10	10.6	2.8	5.1	32	1.0	2.2	0.2	20	0.35	0.047	25

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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
1220721	Silt	15	0.25	91	0.016	1	0.93	0.003	0.05	1.0	0.03	1.0	0.3	<0.05	3	<0.5	<0.2
1220722	Silt	16	0.28	104	0.017	2	0.85	0.003	0.05	2.2	0.02	1.1	0.3	<0.05	3	<0.5	<0.2
1220723	Silt	15	0.29	94	0.021	1	0.80	0.003	0.03	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1220724	Silt	16	0.31	104	0.017	2	0.83	0.003	0.03	0.3	0.06	1.1	<0.1	<0.05	2	0.6	<0.2
1220725	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1220726	Silt	15	0.25	97	0.016	1	0.86	0.003	0.03	0.6	0.05	0.9	<0.1	<0.05	3	<0.5	<0.2
1220727	Silt	17	0.29	139	0.021	2	1.03	0.004	0.06	2.6	0.03	1.3	0.3	<0.05	3	0.6	<0.2
1220728	Silt	13	0.26	87	0.013	1	0.70	0.002	0.03	0.4	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1220729	Silt	20	0.40	114	0.015	1	1.00	0.003	0.06	0.2	0.03	1.7	<0.1	<0.05	3	0.6	<0.2
1220730	Silt	17	0.32	114	0.021	2	1.02	0.005	0.05	3.3	0.02	1.7	0.2	<0.05	3	<0.5	<0.2
1222113	Silt	20	0.31	97	0.013	1	1.16	0.003	0.12	0.3	0.10	2.3	4.5	<0.05	4	4.0	<0.2
1222114	Silt	22	0.38	70	0.018	1	1.17	0.004	0.09	0.2	0.02	1.6	0.3	<0.05	4	0.5	<0.2
1222115	Silt	23	0.41	79	0.028	2	1.22	0.007	0.09	0.4	0.01	1.7	0.4	<0.05	4	0.9	<0.2
1222116	Silt	19	0.34	196	0.006	<1	0.78	0.002	0.05	0.3	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1222117	Silt	14	0.44	64	0.006	1	0.92	0.002	0.04	0.2	0.02	1.0	<0.1	<0.05	3	0.6	<0.2
1222118	Silt	14	0.50	62	0.007	2	0.95	0.002	0.06	0.2	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1220665	Silt	31	0.46	153	0.035	<1	1.28	0.006	0.08	1.1	0.03	1.6	0.3	<0.05	5	0.6	<0.2
1220666	Silt	56	0.73	364	0.067	1	1.75	0.010	0.24	2.5	0.04	2.8	0.6	<0.05	6	1.0	<0.2
1220667	Silt	24	0.37	133	0.023	1	1.17	0.005	0.07	1.1	0.05	1.4	0.4	<0.05	4	1.1	<0.2
1220668	Silt	23	0.34	129	0.023	<1	1.08	0.005	0.08	2.0	0.05	1.3	0.6	<0.05	4	1.4	<0.2
1220669	Silt	12	0.28	93	0.004	<1	0.92	0.002	0.05	0.1	0.04	1.4	0.1	<0.05	2	<0.5	<0.2
1220670	Silt	13	0.23	103	0.005	<1	0.70	0.002	0.04	<0.1	0.03	1.4	0.1	<0.05	2	<0.5	<0.2
1220671	Silt	13	0.29	168	0.006	1	0.96	0.003	0.05	0.3	0.04	1.6	0.1	<0.05	3	0.7	<0.2
1220672	Silt	13	0.26	95	0.013	1	0.78	0.003	0.04	0.4	0.02	1.3	0.1	<0.05	2	0.7	<0.2
1220673	Silt	20	0.33	88	0.029	<1	1.06	0.004	0.13	1.2	0.03	1.7	0.4	<0.05	3	0.6	<0.2
1220674	Silt	20	0.34	103	0.029	2	1.06	0.005	0.11	2.9	0.03	1.6	0.3	<0.05	3	1.2	<0.2
1220675	Silt	19	0.34	92	0.028	1	0.99	0.005	0.10	3.7	0.02	1.5	0.3	<0.05	3	0.9	<0.2
1220676	Silt	16	0.33	123	0.011	<1	0.87	0.004	0.04	0.2	0.02	1.6	0.1	<0.05	3	0.6	<0.2
1220677	Silt	24	0.47	132	0.020	<1	1.15	0.003	0.07	0.1	0.03	2.0	0.1	<0.05	3	0.6	<0.2
1220678	Silt	15	0.33	164	0.008	1	1.05	0.004	0.05	0.1	0.05	1.7	<0.1	<0.05	3	<0.5	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: MQ+SEA+SP+BM
Report Date: October 29, 2011

CERTIFICATE OF ANALYSIS WHI11001381.1

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
1220679	Silt	0.7	17.8	17.2	79	0.2	21.7	9.6	522	2.03	23.6	5.7	1.3	12	1.5	1.0	0.2	26	0.15	0.048	16
1220680	Silt	0.7	32.9	19.7	198	1.5	48.0	71.8	882	2.05	65.7	3.1	2.3	13	4.8	0.6	1.5	24	0.16	0.053	22
1220681	Silt	1.9	38.8	22.0	391	1.0	13.9	6.3	408	1.75	8.7	18.3	2.5	17	2.8	0.3	2.3	29	0.25	0.059	16
1220682	Silt	1.4	46.4	15.2	253	0.4	29.0	11.1	625	2.25	61.1	1.7	2.3	25	4.0	0.5	1.3	31	0.37	0.073	17
1220683	Silt	0.4	10.6	12.2	54	0.2	12.0	7.1	198	1.52	11.8	5.2	3.4	10	0.4	0.3	0.2	17	0.15	0.036	14
1220684	Silt	0.7	18.6	14.3	103	0.2	19.4	12.6	664	2.21	30.7	2.8	3.0	22	1.7	0.4	1.4	25	0.39	0.048	23
1220685	Silt	1.0	91.6	14.8	169	0.6	23.3	10.2	751	1.94	33.3	2.3	1.5	15	2.4	0.6	3.7	27	0.20	0.070	15
1220686	Silt	0.6	22.4	26.7	169	0.2	19.2	9.5	489	1.86	53.3	2.9	7.6	23	1.6	0.7	1.1	25	0.29	0.068	18
1220687	Silt	0.5	32.8	49.8	244	1.2	27.6	11.7	803	2.59	75.3	15.4	9.7	33	3.4	1.5	0.7	17	0.42	0.053	34
1220688	Silt	0.6	16.9	19.4	79	0.3	19.7	10.2	474	1.72	13.5	20.1	3.9	20	0.8	0.6	0.2	21	0.26	0.050	19
1220689	Silt	0.7	44.6	17.9	144	0.4	23.0	12.8	458	2.56	68.1	4.0	2.7	22	2.0	0.5	5.8	32	0.35	0.060	21
1220690	Silt	1.4	79.6	18.2	339	1.0	24.7	10.8	869	2.10	29.4	11.4	2.6	21	5.4	0.6	3.5	29	0.30	0.075	21
1220691	Silt	2.2	34.2	37.3	391	1.1	18.2	8.1	637	2.26	118.6	8.3	4.3	30	5.4	1.1	1.6	36	0.37	0.072	27
1220692	Silt	0.4	23.3	53.5	518	0.4	24.3	10.0	577	2.36	27.5	1.5	9.0	35	7.6	1.3	0.3	17	0.47	0.050	33
1220693	Silt	0.9	62.2	84.3	545	2.3	38.3	15.4	1433	3.18	218.0	12.7	9.9	34	10.3	2.1	1.7	26	0.35	0.064	37
1225901	Silt	0.5	29.5	17.0	61	0.1	28.2	12.0	366	2.61	9.6	7.4	10.8	74	<0.1	0.7	0.3	14	0.68	0.050	31
1225902	Silt	0.6	17.3	8.9	62	<0.1	18.4	6.5	342	1.56	11.5	<0.5	3.1	29	0.3	0.7	0.1	19	0.93	0.049	9
1225903	Silt	0.5	13.9	8.4	52	<0.1	16.8	6.4	257	1.58	10.6	10.9	4.5	33	0.2	0.7	0.1	21	0.76	0.063	14
1225904	Silt	0.5	24.9	15.1	62	0.1	27.7	12.7	606	2.07	6.6	1.2	4.4	63	0.3	1.5	0.2	19	0.74	0.047	26
1225905	Silt	0.5	15.4	10.6	60	<0.1	18.0	8.9	380	1.89	6.8	6.5	6.5	36	0.2	1.2	0.1	17	0.39	0.042	26
1225906	Silt	0.9	8.4	4.3	25	0.1	8.3	1.6	61	0.79	2.6	3.0	1.2	9	0.1	0.2	0.1	20	0.07	0.024	11
1225701	Silt	2.6	29.3	8.6	68	0.3	18.5	6.1	198	1.81	5.4	2.7	3.1	24	0.2	0.5	0.3	36	0.25	0.070	13
1225702	Silt	0.3	9.0	8.0	38	<0.1	11.7	5.4	181	1.14	3.7	1.5	4.8	22	0.1	1.0	<0.1	15	0.27	0.050	18
1225703	Silt	0.4	21.1	16.7	62	0.1	24.1	10.5	390	2.39	14.3	68.0	9.7	45	0.2	1.3	0.2	14	0.61	0.055	27
1225704	Silt	0.4	13.8	12.5	51	<0.1	16.4	8.1	413	1.83	12.2	1.3	5.1	41	0.2	1.7	0.2	18	0.44	0.049	18
1225705	Silt	0.4	18.4	13.2	58	<0.1	18.7	9.2	534	2.01	7.5	3.0	5.7	35	0.2	1.4	0.2	17	0.40	0.054	20

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www.acmelab.com

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

Project: MQ+SEA+SP+BM
Report Date: October 29, 2011

CERTIFICATE OF ANALYSIS WHI11001381.1

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
1220679	Silt	15	0.24	104	0.013	<1	0.84	0.003	0.03	0.2	0.03	1.0	0.1	<0.05	3	0.8	<0.2
1220680	Silt	15	0.28	104	0.014	<1	1.00	0.003	0.04	0.3	0.06	1.3	0.3	<0.05	3	0.9	<0.2
1220681	Silt	16	0.28	137	0.012	<1	1.04	0.004	0.05	1.5	0.02	1.4	0.2	<0.05	4	0.6	<0.2
1220682	Silt	23	0.39	125	0.023	<1	1.28	0.005	0.12	0.8	0.04	1.8	0.4	<0.05	4	1.6	<0.2
1220683	Silt	11	0.23	89	0.009	<1	0.72	0.003	0.03	0.2	0.03	1.1	<0.1	<0.05	2	<0.5	<0.2
1220684	Silt	17	0.29	107	0.016	<1	1.05	0.004	0.08	0.6	0.03	1.7	0.3	<0.05	3	1.1	<0.2
1220685	Silt	16	0.28	128	0.019	1	1.00	0.004	0.07	1.0	0.04	1.4	0.4	<0.05	3	1.0	<0.2
1220686	Silt	17	0.32	102	0.039	<1	0.92	0.009	0.10	1.6	0.01	2.1	0.2	<0.05	3	0.6	<0.2
1220687	Silt	17	0.48	95	0.009	<1	1.22	0.003	0.06	0.7	0.03	1.5	0.2	<0.05	3	0.7	<0.2
1220688	Silt	13	0.27	95	0.015	<1	0.76	0.003	0.04	0.3	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1220689	Silt	22	0.37	120	0.028	<1	1.43	0.007	0.10	1.4	0.04	2.1	0.4	<0.05	4	1.2	<0.2
1220690	Silt	18	0.32	159	0.019	<1	1.10	0.005	0.08	1.3	0.03	1.7	0.4	<0.05	3	1.2	<0.2
1220691	Silt	21	0.34	183	0.027	<1	1.38	0.008	0.09	5.2	0.05	2.2	0.4	<0.05	4	1.0	<0.2
1220692	Silt	18	0.46	123	0.009	<1	1.24	0.003	0.05	0.1	0.02	1.5	0.1	<0.05	3	0.7	<0.2
1220693	Silt	24	0.60	123	0.016	<1	1.45	0.006	0.10	1.2	0.03	1.9	0.4	<0.05	4	0.6	<0.2
1225901	Silt	13	0.36	56	0.010	<1	0.71	0.003	0.06	<0.1	0.02	1.4	<0.1	<0.05	2	0.5	<0.2
1225902	Silt	11	0.54	108	0.013	<1	0.52	0.004	0.03	0.2	0.01	1.3	<0.1	<0.05	1	0.6	<0.2
1225903	Silt	12	0.44	141	0.027	<1	0.49	0.005	0.03	0.5	0.01	1.2	<0.1	<0.05	1	0.6	<0.2
1225904	Silt	16	0.38	212	0.008	1	1.05	0.004	0.05	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1225905	Silt	14	0.35	158	0.010	<1	0.84	0.004	0.04	0.4	0.03	1.3	<0.1	<0.05	2	0.7	<0.2
1225906	Silt	13	0.21	65	0.018	<1	0.59	0.004	0.02	0.6	0.03	0.9	0.3	<0.05	2	0.6	<0.2
1225701	Silt	22	0.40	175	0.032	<1	0.94	0.021	0.07	0.4	0.02	2.3	0.4	<0.05	3	1.1	<0.2
1225702	Silt	10	0.21	114	0.013	<1	0.52	0.004	0.04	0.3	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1225703	Silt	13	0.38	68	0.009	<1	0.73	0.004	0.05	0.2	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1225704	Silt	14	0.30	157	0.011	<1	0.68	0.004	0.05	0.2	0.03	1.3	<0.1	<0.05	2	<0.5	<0.2
1225705	Silt	12	0.27	149	0.010	<1	0.67	0.004	0.04	0.2	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2

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www.acmelab.com

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

Project: MQ+SEA+SP+BM
Report Date: October 29, 2011

QUALITY CONTROL REPORT WHI11001381.1

	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																					
1222117	Silt	0.5	26.8	17.3	71	0.2	23.4	11.5	361	2.76	21.3	1.5	9.5	30	0.4	1.0	0.6	16	0.27	0.040	35
REP 1222117	QC	0.6	27.2	17.6	72	0.2	24.6	11.4	366	2.83	23.6	1.8	10.1	31	0.3	1.0	0.5	16	0.27	0.043	39
1220680	Silt	0.7	32.9	19.7	198	1.5	48.0	71.8	882	2.05	65.7	3.1	2.3	13	4.8	0.6	1.5	24	0.16	0.053	22
REP 1220680	QC	0.7	32.3	18.8	198	1.4	47.0	69.7	849	1.94	64.0	2.3	2.6	12	4.1	0.5	1.2	22	0.15	0.051	20
1220691	Silt	2.2	34.2	37.3	391	1.1	18.2	8.1	637	2.26	118.6	8.3	4.3	30	5.4	1.1	1.6	36	0.37	0.072	27
REP 1220691	QC	1.7	32.4	35.6	364	0.9	18.1	7.7	605	2.07	111.7	7.1	4.0	29	5.2	0.9	1.5	33	0.35	0.067	27
Reference Materials																					
STD DS8	Standard	12.6	111.6	129.4	314	1.9	38.2	7.3	601	2.45	24.7	122.8	6.5	64	2.1	5.4	6.7	41	0.66	0.079	14
STD DS8	Standard	13.0	110.3	127.8	311	1.9	38.7	7.9	615	2.47	24.7	123.4	7.0	71	2.3	5.8	6.8	43	0.69	0.079	16
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

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Project: MQ+SEA+SP+BM
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QUALITY CONTROL REPORT WHI11001381.1

	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
Pulp Duplicates																	
1222117	Silt	14	0.44	64	0.006	1	0.92	0.002	0.04	0.2	0.02	1.0	<0.1	<0.05	3	0.6	<0.2
REP 1222117	QC	17	0.43	65	0.009	2	0.91	0.002	0.05	0.6	0.02	1.2	<0.1	<0.05	3	0.7	<0.2
1220680	Silt	15	0.28	104	0.014	<1	1.00	0.003	0.04	0.3	0.06	1.3	0.3	<0.05	3	0.9	<0.2
REP 1220680	QC	14	0.27	98	0.012	<1	0.96	0.003	0.04	0.3	0.04	1.3	0.3	<0.05	3	0.8	<0.2
1220691	Silt	21	0.34	183	0.027	<1	1.38	0.008	0.09	5.2	0.05	2.2	0.4	<0.05	4	1.0	<0.2
REP 1220691	QC	20	0.33	178	0.026	<1	1.34	0.007	0.09	4.8	0.05	2.0	0.4	<0.05	4	0.6	<0.2
Reference Materials																	
STD DS8	Standard	115	0.61	275	0.112	3	0.93	0.089	0.42	3.2	0.22	2.2	5.5	0.12	5	5.2	4.7
STD DS8	Standard	120	0.60	275	0.116	2	0.92	0.091	0.42	3.1	0.21	2.4	5.4	0.15	5	5.0	4.8
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

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Appendix VI: Rock Sample Assay Certificates

Note: Certificate WHI11001494.1 contains results for additional Goldspike Exploration properties. Samples from the Seattle Property are:

1222745	1224367
1222746	1225870
1222747	1225871
1222748	1225872
1222749	1225873
1222750	1225874
1222751	1225875
1222752	1225876
1222753	1225877
1222754	1225878
1222755	1225879

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: August 29, 2011
Report Date: October 25, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI11001494.1

CLIENT JOB INFORMATION

Project: MQ+SEA
Shipment ID: mqsearX(1-5)
P.O. Number
Number of Samples: 57

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
R200-250	57	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	57	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	57	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

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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: MQ+SEA
Report Date: October 25, 2011

CERTIFICATE OF ANALYSIS WHI11001494.1

	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
1224360	Rock	1.59	3	0.8	50.6	5525	262	14.6	6.1	2.6	703	1.25	6.6	2.2	4.3	34	9.6	7.8	2.3	<2	0.75
1224361	Rock	0.79	<2	0.4	46.5	58.2	193	0.5	8.6	4.1	332	0.87	4.9	<0.5	4.2	3	11.6	0.4	0.1	<2	0.04
1224362	Rock	1.13	56	0.3	245.3	3212	379	13.2	4.0	1.4	228	0.87	13.5	20.6	4.4	19	19.7	4.5	1.2	<2	0.33
1224363	Rock	1.76	<2	0.2	44.9	14.2	15	0.1	4.5	2.4	194	0.94	1.5	<0.5	1.0	15	0.2	0.7	<0.1	<2	0.66
1224364	Rock	0.76	390	<0.1	38.6	38.3	37	2.1	3.6	1.3	47	0.67	375.0	359.9	<0.1	26	3.7	>2000	<0.1	<2	0.15
1224365	Rock	2.07	60	<0.1	74.6	<0.1	775	2.8	2.3	0.7	40	0.37	11.1	39.4	<0.1	4	6.7	>2000	<0.1	<2	0.05
1224366	Rock	1.41	20	<0.1	108.6	<0.1	54	0.6	4.1	1.4	39	0.38	4.2	2.3	<0.1	3	1.0	>2000	<0.1	<2	0.06
1224367	Rock	1.07	2	0.3	92.9	12.1	74	0.4	47.9	17.5	427	2.84	2.2	3.5	0.1	31	0.5	98.9	0.2	97	1.22
1225851	Rock	0.74	<2	0.2	4.7	9.9	7	<0.1	5.1	2.2	748	0.88	1.7	<0.5	0.3	8	<0.1	189.8	<0.1	<2	0.41
1225852	Rock	0.92	<2	0.3	8.6	7.7	26	<0.1	13.3	8.8	450	1.27	0.8	<0.5	6.6	3	<0.1	54.9	0.1	4	0.10
1225853	Rock	0.92	<2	0.2	5.0	28.4	5	<0.1	3.5	2.3	86	0.57	3.7	0.9	7.5	6	<0.1	17.8	<0.1	<2	0.08
1225854	Rock	0.85	<2	0.4	3.4	18.1	10	<0.1	3.5	2.1	171	0.89	1.8	<0.5	1.3	4	<0.1	18.8	0.1	<2	0.03
1225855	Rock	0.49	<2	0.3	6.7	9.8	8	<0.1	6.3	2.1	58	0.61	2.5	<0.5	6.5	4	<0.1	4.3	<0.1	2	<0.01
1225856	Rock	0.86	<2	0.2	1.2	4.0	14	<0.1	5.0	3.0	125	1.08	0.6	<0.5	7.4	6	<0.1	4.3	<0.1	2	<0.01
1225857	Rock	0.91	<2	0.1	2.1	2.4	3	<0.1	0.5	0.5	152	0.35	0.7	<0.5	0.8	331	<0.1	6.1	<0.1	<2	18.27
1225858	Rock	0.80	<2	0.8	12.8	2.5	122	<0.1	7.5	42.8	1506	8.99	0.7	<0.5	1.4	173	0.2	1.0	<0.1	203	2.91
1225859	Rock	0.91	<2	0.8	13.7	2.4	120	<0.1	8.1	40.6	1551	8.88	<0.5	<0.5	1.8	159	0.1	2.0	<0.1	176	1.87
1225860	Rock	0.89	<2	0.2	3.9	9.0	8	<0.1	4.6	2.9	340	1.06	5.0	<0.5	2.7	80	<0.1	5.4	<0.1	3	6.12
1225861	Rock	0.81	<2	0.2	5.0	5.0	10	<0.1	3.0	2.4	291	1.17	0.8	0.8	1.1	43	<0.1	2.9	<0.1	<2	2.00
1225862	Rock	1.04	<2	0.3	12.3	8.1	19	<0.1	12.2	6.0	111	1.07	0.6	0.9	7.0	7	<0.1	3.2	<0.1	11	0.07
1225863	Rock	0.87	<2	0.2	4.7	8.9	21	<0.1	19.6	7.4	519	1.08	0.5	1.5	7.4	4	<0.1	2.6	<0.1	4	0.02
1225864	Rock	0.58	<2	0.3	14.9	8.9	19	<0.1	9.5	2.9	138	1.83	1.0	3.4	5.4	4	<0.1	1.6	0.1	13	0.01
1225865	Rock	0.90	<2	0.2	9.3	8.2	24	<0.1	12.3	6.5	178	1.03	1.2	2.0	6.4	8	<0.1	1.5	<0.1	4	0.08
1225866	Rock	0.98	<2	0.4	7.7	8.7	38	<0.1	16.0	7.4	362	2.46	1.2	1.4	4.0	7	<0.1	1.3	0.2	26	<0.01
1225867	Rock	0.85	<2	0.1	4.5	5.2	20	<0.1	6.1	3.3	561	0.78	0.6	0.6	6.5	74	<0.1	2.2	<0.1	7	0.84
1225868	Rock	1.26	<2	0.3	27.5	10.9	11	<0.1	26.3	16.4	359	1.18	1.4	2.7	7.4	5	<0.1	6.4	0.2	5	0.02
1225869	Rock	1.30	<2	0.1	6.1	10.9	19	<0.1	6.9	5.7	103	1.16	1.2	0.5	6.9	3	<0.1	0.6	<0.1	2	<0.01
1225870	Rock	0.86	26	1.5	101.7	105.7	13	0.3	3.1	0.7	71	11.49	54.1	23.4	2.4	27	<0.1	14.0	1.0	66	0.02
1225871	Rock	1.16	9	0.6	4.1	34.9	3	0.1	1.0	0.2	24	0.75	5.7	1.9	0.8	14	<0.1	3.2	0.1	3	<0.01
1225872	Rock	0.98	13	1.2	96.8	60.5	20	0.1	2.4	1.0	110	12.98	12.5	11.3	2.8	5	<0.1	7.5	0.5	18	<0.01

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

Project: MQ+SEA
Report Date: October 25, 2011

CERTIFICATE OF ANALYSIS WHI11001494.1

	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
1224360	Rock	0.012	7	2	0.14	22	<0.001	<20	0.19	0.003	0.08	<0.1	0.01	<0.1	0.08	0.7	1.7	<1	0.5
1224361	Rock	0.003	8	36	0.03	24	<0.001	<20	0.18	0.004	0.09	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1224362	Rock	0.003	9	2	0.08	16	<0.001	<20	0.13	0.003	0.08	<0.1	0.03	<0.1	<0.05	0.4	1.0	<1	0.3
1224363	Rock	0.012	2	2	0.13	9	<0.001	<20	0.08	0.004	0.04	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1224364	Rock	0.008	5	26	0.02	87	<0.001	<20	0.20	0.003	0.15	<0.1	0.13	0.2	0.29	0.3	<0.5	<1	<0.2
1224365	Rock	0.002	<1	3	0.01	55	<0.001	<20	0.17	<0.001	0.12	<0.1	0.58	0.3	1.71	<0.1	<0.5	<1	<0.2
1224366	Rock	0.003	<1	27	0.01	55	<0.001	<20	0.15	<0.001	0.13	<0.1	0.03	0.4	1.26	<0.1	<0.5	<1	<0.2
1224367	Rock	0.051	2	78	1.05	222	0.193	<20	2.19	0.187	0.12	0.1	<0.01	<0.1	<0.05	5.8	<0.5	7	<0.2
1225851	Rock	0.025	<1	46	0.01	59	<0.001	<20	0.03	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	<1	<0.2
1225852	Rock	0.018	13	8	0.15	29	0.002	<20	0.32	0.045	<0.01	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
1225853	Rock	0.024	13	28	0.02	60	0.002	<20	0.31	0.001	0.18	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1225854	Rock	0.017	5	2	0.02	6	<0.001	<20	0.09	0.008	<0.01	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	<1	<0.2
1225855	Rock	0.020	10	27	0.01	56	0.001	<20	0.25	0.002	0.16	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1225856	Rock	0.007	15	4	0.03	46	<0.001	<20	0.26	0.010	0.11	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1225857	Rock	0.020	4	26	0.16	31	<0.001	<20	0.04	0.002	0.02	<0.1	0.04	<0.1	<0.05	0.4	<0.5	<1	<0.2
1225858	Rock	0.237	15	<1	2.79	98	0.275	<20	3.80	0.020	0.02	<0.1	0.01	<0.1	<0.05	6.9	<0.5	16	<0.2
1225859	Rock	0.288	18	4	2.68	68	0.249	<20	3.13	0.038	0.02	<0.1	0.02	<0.1	<0.05	5.9	<0.5	15	<0.2
1225860	Rock	0.007	8	5	0.07	19	0.005	<20	0.11	0.004	0.05	<0.1	0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2
1225861	Rock	0.007	6	14	0.05	26	0.005	<20	0.05	0.004	0.02	<0.1	0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2
1225862	Rock	0.020	18	18	0.18	6	0.004	<20	0.37	0.117	<0.01	<0.1	<0.01	<0.1	<0.05	1.7	<0.5	1	<0.2
1225863	Rock	0.013	19	34	0.11	26	0.002	<20	0.31	0.046	0.03	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	1	<0.2
1225864	Rock	0.012	13	16	0.03	53	0.002	<20	0.26	0.003	0.13	<0.1	0.05	<0.1	<0.05	1.8	<0.5	<1	<0.2
1225865	Rock	0.020	10	26	0.03	14	<0.001	<20	0.19	0.017	0.04	<0.1	0.04	<0.1	<0.05	1.1	<0.5	<1	<0.2
1225866	Rock	0.016	10	28	0.03	16	0.001	<20	0.22	0.006	0.02	<0.1	0.02	<0.1	<0.05	2.3	<0.5	1	<0.2
1225867	Rock	0.018	13	29	0.17	29	0.002	<20	0.29	0.034	0.01	<0.1	<0.01	<0.1	<0.05	1.7	<0.5	1	<0.2
1225868	Rock	0.019	13	12	0.13	14	0.002	<20	0.27	0.060	0.02	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	1	<0.2
1225869	Rock	0.015	11	14	0.03	19	<0.001	<20	0.27	0.006	0.05	<0.1	0.03	<0.1	<0.05	0.7	<0.5	<1	<0.2
1225870	Rock	0.232	4	9	<0.01	194	0.003	<20	0.18	0.002	0.07	0.7	0.48	1.0	<0.05	0.4	2.6	<1	<0.2
1225871	Rock	0.017	3	26	<0.01	92	0.001	<20	0.06	0.002	0.05	0.2	<0.01	2.1	<0.05	0.1	<0.5	<1	<0.2
1225872	Rock	0.081	9	8	<0.01	62	0.002	<20	0.19	<0.001	0.09	0.4	0.12	0.5	<0.05	0.4	1.8	1	<0.2

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CERTIFICATE OF ANALYSIS WHI11001494.1

	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
1225873	Rock	1.04	<2	1.4	5.4	8.4	4	<0.1	1.1	0.2	25	0.88	9.7	1.0	1.0	6	<0.1	2.3	<0.1	4	<0.01
1225874	Rock	0.95	20	1.0	49.4	56.2	48	0.8	3.2	0.5	46	3.15	14.2	13.1	3.2	9	0.2	8.2	1.3	16	<0.01
1225875	Rock	0.89	9	1.2	45.2	102.2	12	0.2	2.4	0.9	110	5.41	19.8	3.6	2.6	3	0.1	5.3	0.3	19	<0.01
1225876	Rock	0.55	9	0.3	5.6	4.7	3	0.2	1.2	0.7	54	0.65	3.2	6.2	0.8	16	<0.1	3.6	0.1	<2	<0.01
1225877	Rock	1.09	<2	0.3	4.4	2.5	2	<0.1	1.7	0.4	34	0.56	8.8	1.5	1.3	6	<0.1	3.2	<0.1	3	<0.01
1225878	Rock	0.52	<2	0.2	54.2	2.0	37	0.1	52.3	18.6	406	2.93	2.6	0.5	0.2	30	<0.1	0.9	<0.1	59	0.75
1225879	Rock	1.03	37	1.3	26.9	173.6	10	1.5	2.9	0.5	64	1.68	21.7	13.3	3.0	11	<0.1	4.3	1.0	14	<0.01
1222736	Rock	1.52	<2	0.3	5.1	2.5	67	<0.1	20.3	7.5	716	2.82	9.1	<0.5	9.2	5	0.2	0.3	<0.1	27	0.06
1222737	Rock	1.54	<2	1.8	40.4	8.8	48	0.3	35.2	11.2	156	2.41	1.5	1.6	11.3	156	0.2	0.2	0.3	43	1.59
1222738	Rock	1.69	33	0.6	31.9	9.6	49	0.7	8.4	2.1	69	3.84	180.4	30.9	3.3	10	0.1	12.8	0.4	6	0.01
1222739	Rock	0.74	<2	0.1	25.4	11.9	94	<0.1	22.9	12.5	212	4.44	3.2	2.4	3.4	7	<0.1	0.2	0.2	11	0.07
1222740	Rock	0.89	<2	0.2	3.4	3.6	4	<0.1	4.7	2.0	200	0.47	1.1	1.8	0.8	2	<0.1	1.0	<0.1	<2	0.02
1222741	Rock	1.28	2	0.1	2.0	1.1	4	<0.1	1.8	0.7	53	0.34	0.6	0.7	0.3	<1	<0.1	0.7	<0.1	<2	<0.01
1222742	Rock	1.46	<2	0.2	4.5	5.2	6	<0.1	6.5	2.6	181	0.40	1.1	0.8	0.1	2	<0.1	0.4	<0.1	<2	0.01
1222743	Rock	2.40	<2	0.7	12.1	1.9	44	<0.1	12.6	15.3	327	3.52	1.6	<0.5	5.0	13	<0.1	0.4	<0.1	51	0.96
1222744	Rock	0.85	<2	2.5	49.5	2.1	27	0.1	46.9	9.5	139	1.89	5.1	<0.5	6.8	157	0.2	0.3	0.1	56	3.24
1222745	Rock	3.37	<2	0.4	13.0	2.8	3	0.1	0.8	0.3	24	0.80	1.9	1.2	1.1	<1	<0.1	0.9	0.2	4	<0.01
1222746	Rock	1.92	3	0.3	2.1	1.0	<1	<0.1	1.5	0.2	24	0.26	0.9	<0.5	0.4	2	<0.1	0.3	<0.1	<2	<0.01
1222747	Rock	0.70	<2	1.4	3.8	1.6	3	<0.1	0.6	0.1	23	0.64	0.8	<0.5	3.2	3	<0.1	0.1	0.2	4	<0.01
1222748	Rock	1.21	<2	0.3	11.0	0.7	1	0.7	0.6	0.2	26	0.36	<0.5	<0.5	1.0	<1	<0.1	0.2	<0.1	<2	<0.01
1222749	Rock	0.67	<2	0.2	1.8	1.5	<1	<0.1	1.0	0.1	21	0.23	0.9	<0.5	1.1	1	<0.1	0.4	<0.1	<2	<0.01
1222750	Rock	3.46	<2	0.2	2.3	10.8	5	0.2	1.3	0.3	31	0.46	24.9	1.0	0.5	1	<0.1	0.6	<0.1	2	<0.01
1222751	Rock	2.01	<2	1.2	15.6	5.7	10	<0.1	2.3	0.4	51	1.28	49.5	0.8	0.5	3	0.1	0.9	<0.1	3	0.04
1222752	Rock	2.66	2	0.4	9.8	3.1	6	<0.1	3.7	0.7	66	0.95	23.0	2.7	1.0	4	<0.1	0.8	<0.1	3	<0.01
1222753	Rock	1.42	5	0.3	44.1	14.8	12	<0.1	3.9	1.0	57	2.75	109.0	4.7	1.8	5	0.1	1.2	0.2	8	0.01
1222754	Rock	0.80	<2	0.2	21.5	3.3	30	<0.1	12.1	6.3	319	1.43	1.2	<0.5	1.0	17	<0.1	0.2	0.2	11	0.03
1222755	Rock	0.88	<2	0.3	3.4	2.7	5	<0.1	0.7	0.2	24	0.51	3.2	<0.5	1.0	2	<0.1	0.3	<0.1	<2	<0.01

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www.acmelab.com

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

Project: MQ+SEA
Report Date: October 25, 2011

CERTIFICATE OF ANALYSIS WHI11001494.1

	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
1225873	Rock	0.016	3	34	<0.01	41	0.002	<20	0.06	0.001	0.05	0.1	0.05	1.7	<0.05	0.1	<0.5	<1	<0.2
1225874	Rock	0.036	5	9	<0.01	116	0.002	<20	0.25	0.001	0.05	0.2	0.46	0.8	<0.05	0.6	2.2	2	<0.2
1225875	Rock	0.058	11	17	<0.01	56	0.001	<20	0.11	<0.001	0.06	0.2	0.24	0.4	<0.05	0.4	1.0	<1	<0.2
1225876	Rock	0.010	4	3	<0.01	118	0.002	<20	0.07	0.003	0.09	0.1	0.37	9.1	0.13	0.1	<0.5	<1	<0.2
1225877	Rock	0.029	4	33	<0.01	50	0.001	<20	0.06	0.001	0.02	<0.1	0.15	0.8	<0.05	0.4	0.5	<1	<0.2
1225878	Rock	0.056	2	120	1.33	14	0.179	<20	1.93	0.032	<0.01	<0.1	<0.01	<0.1	<0.05	3.2	<0.5	4	<0.2
1225879	Rock	0.023	15	23	0.02	108	0.001	<20	0.31	0.004	0.18	<0.1	0.10	1.4	<0.05	1.1	3.9	1	<0.2
1222736	Rock	0.025	21	34	0.52	93	0.082	<20	1.61	0.005	0.57	0.1	<0.01	0.7	<0.05	3.2	<0.5	6	<0.2
1222737	Rock	0.022	19	62	0.37	46	0.114	<20	3.39	0.296	0.28	0.2	<0.01	0.2	0.81	4.2	1.0	10	<0.2
1222738	Rock	0.032	9	7	0.01	21	<0.001	<20	0.23	<0.001	0.06	3.5	0.40	0.4	<0.05	0.5	<0.5	1	<0.2
1222739	Rock	0.031	16	4	0.94	39	0.006	<20	1.92	0.003	0.12	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	5	<0.2
1222740	Rock	0.005	3	52	0.03	7	0.001	<20	0.08	0.005	0.01	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1222741	Rock	0.003	<1	1	<0.01	3	<0.001	<20	0.03	0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
1222742	Rock	0.007	<1	47	<0.01	6	<0.001	<20	0.04	0.012	<0.01	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
1222743	Rock	0.216	34	14	1.00	138	0.203	<20	1.11	0.040	0.32	0.1	<0.01	<0.1	<0.05	2.8	<0.5	4	<0.2
1222744	Rock	0.197	21	76	0.47	92	0.109	<20	2.55	0.324	0.14	0.3	<0.01	<0.1	0.74	1.8	7.9	7	<0.2
1222745	Rock	0.013	6	4	<0.01	36	0.002	<20	0.08	0.002	0.06	<0.1	0.10	2.2	<0.05	0.2	<0.5	<1	<0.2
1222746	Rock	0.003	3	43	<0.01	20	<0.001	<20	0.06	0.001	0.04	<0.1	0.01	0.5	<0.05	0.3	<0.5	<1	<0.2
1222747	Rock	0.007	4	<1	<0.01	78	0.001	<20	0.18	0.002	0.13	<0.1	<0.01	0.1	<0.05	0.5	0.9	<1	<0.2
1222748	Rock	0.003	2	2	<0.01	9	<0.001	<20	0.04	<0.001	0.02	<0.1	0.11	<0.1	<0.05	0.3	0.6	<1	<0.2
1222749	Rock	0.002	5	28	<0.01	16	<0.001	<20	0.04	0.001	0.03	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
1222750	Rock	0.004	3	4	<0.01	15	<0.001	<20	0.03	<0.001	0.01	<0.1	0.03	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1222751	Rock	0.032	<1	6	0.01	30	0.001	<20	0.11	0.001	0.04	0.1	0.05	0.1	<0.05	0.2	0.9	<1	<0.2
1222752	Rock	0.018	3	64	<0.01	23	<0.001	<20	0.05	<0.001	0.01	<0.1	<0.01	<0.1	<0.05	0.2	0.8	<1	<0.2
1222753	Rock	0.038	7	12	0.01	36	0.003	<20	0.14	0.002	0.04	<0.1	<0.01	<0.1	<0.05	1.1	2.8	<1	<0.2
1222754	Rock	0.023	2	44	0.30	768	0.018	<20	0.50	0.015	0.07	<0.1	<0.01	<0.1	0.27	1.1	<0.5	2	<0.2
1222755	Rock	0.004	4	4	<0.01	23	<0.001	<20	0.07	0.001	0.03	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2

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

Project: MQ+SEA
Report Date: October 25, 2011

QUALITY CONTROL REPORT WHI11001494.1

	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																					
1225851	Rock	0.74	<2	0.2	4.7	9.9	7	<0.1	5.1	2.2	748	0.88	1.7	<0.5	0.3	8	<0.1	189.8	<0.1	<2	0.41
REP 1225851	QC		<2																		
1225855	Rock	0.49	<2	0.3	6.7	9.8	8	<0.1	6.3	2.1	58	0.61	2.5	<0.5	6.5	4	<0.1	4.3	<0.1	2	<0.01
REP 1225855	QC			0.3	6.6	9.3	8	<0.1	6.3	2.1	58	0.61	2.2	<0.5	6.5	4	<0.1	4.6	0.1	2	<0.01
1222744	Rock	0.85	<2	2.5	49.5	2.1	27	0.1	46.9	9.5	139	1.89	5.1	<0.5	6.8	157	0.2	0.3	0.1	56	3.24
REP 1222744	QC			2.5	50.1	2.2	27	0.1	47.9	9.4	144	1.92	5.5	1.0	6.9	156	0.2	0.3	0.1	57	3.29
Core Reject Duplicates																					
1225874	Rock	0.95	20	1.0	49.4	56.2	48	0.8	3.2	0.5	46	3.15	14.2	13.1	3.2	9	0.2	8.2	1.3	16	<0.01
DUP 1225874	QC		22	1.0	53.9	51.7	54	0.8	3.1	0.6	54	3.48	13.7	13.1	3.0	9	0.2	7.0	1.2	17	<0.01
Reference Materials																					
STD DS8	Standard			13.5	108.4	122.3	302	1.7	36.2	8.0	597	2.47	24.2	96.4	6.9	65	2.4	3.9	6.4	41	0.72
STD DS8	Standard			14.6	121.2	135.0	338	1.7	42.8	8.5	631	2.64	25.9	122.8	7.1	70	2.7	5.2	6.6	43	0.75
STD DS8	Standard			12.8	117.9	122.0	306	1.6	39.3	7.9	581	2.42	28.3	107.1	6.0	64	2.8	3.9	6.6	42	0.67
STD OREAS45CA	Standard			0.7	529.9	22.5	62	0.3	262.1	94.7	939	16.46	3.8	41.3	7.4	16	<0.1	<0.1	0.2	204	0.43
STD OREAS45CA	Standard			0.9	535.3	22.1	67	0.3	270.3	99.8	952	16.68	4.4	40.7	7.3	15	0.1	0.2	0.2	232	0.44
STD OREAS45CA	Standard			0.8	508.8	21.7	65	0.3	263.1	95.9	897	15.98	3.8	42.1	7.4	18	0.1	<0.1	0.2	212	0.43
STD OXC88	Standard		209																		
STD OXC88	Standard		204																		
STD OXC88	Standard		196																		
STD OXH82	Standard		1340																		
STD OXH82	Standard		1216																		
STD OXH82	Standard		1292																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
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
BLK	Blank		<2																		
BLK	Blank		<2																		

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Project: MQ+SEA
Report Date: October 25, 2011

QUALITY CONTROL REPORT WHI11001494.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	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																				
1225851	Rock		0.025	<1	46	0.01	59	<0.001	<20	0.03	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	<1	<0.2
REP 1225851	QC																			
1225855	Rock		0.020	10	27	0.01	56	0.001	<20	0.25	0.002	0.16	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
REP 1225855	QC		0.021	10	26	0.01	57	0.001	<20	0.26	0.002	0.16	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1222744	Rock		0.197	21	76	0.47	92	0.109	<20	2.55	0.324	0.14	0.3	<0.01	<0.1	0.74	1.8	7.9	7	<0.2
REP 1222744	QC		0.198	22	79	0.48	95	0.116	<20	2.59	0.325	0.14	0.3	<0.01	<0.1	0.76	1.9	8.9	7	<0.2
Core Reject Duplicates																				
1225874	Rock		0.036	5	9	<0.01	116	0.002	<20	0.25	0.001	0.05	0.2	0.46	0.8	<0.05	0.6	2.2	2	<0.2
DUP 1225874	QC		0.039	4	11	<0.01	122	0.001	<20	0.26	0.001	0.05	0.2	0.51	0.7	<0.05	0.7	2.0	2	<0.2
Reference Materials																				
STD DS8	Standard		0.085	15	117	0.62	282	0.101	<20	0.96	0.098	0.43	2.1	0.19	5.3	0.17	1.9	5.0	5	4.8
STD DS8	Standard		0.085	16	126	0.65	310	0.125	<20	0.99	0.093	0.43	2.6	0.22	5.8	0.18	2.3	5.3	5	5.0
STD DS8	Standard		0.087	13	114	0.59	299	0.112	<20	0.89	0.085	0.40	2.5	0.19	5.0	0.17	2.2	5.2	4	4.8
STD OREAS45CA	Standard		0.039	17	738	0.14	167	0.111	<20	3.98	0.006	0.08	<0.1	0.04	<0.1	<0.05	37.0	0.6	19	<0.2
STD OREAS45CA	Standard		0.041	18	756	0.14	178	0.145	<20	4.04	0.008	0.08	<0.1	0.03	<0.1	<0.05	41.0	0.6	19	<0.2
STD OREAS45CA	Standard		0.041	17	696	0.16	178	0.162	<20	3.86	0.009	0.08	<0.1	0.03	<0.1	<0.05	40.4	0.7	19	<0.2
STD OXC88	Standard																			
STD OXC88	Standard																			
STD OXC88	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXC88 Expected																				
STD OXH82 Expected																				
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	
BLK	Blank																			
BLK	Blank																			

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QUALITY CONTROL REPORT WHI11001494.1

		WGHT Wgt kg 0.01	3B Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
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			<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	0.5	<0.1	<2	<0.01
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
Prep Wash																					
G1	Prep Blank		<2	0.1	2.1	3.0	47	<0.1	3.6	4.4	552	1.96	<0.5	0.8	6.0	70	<0.1	<0.1	<0.1	36	0.49
G1	Prep Blank		<2	0.1	2.1	3.1	49	<0.1	3.5	4.5	566	1.99	0.5	<0.5	5.3	71	<0.1	<0.1	<0.1	37	0.49

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QUALITY CONTROL REPORT WHI11001494.1

		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Tl ppm 0.1	1DX S % 0.05	1DX Sc ppm 0.1	1DX Se ppm 0.5	1DX Ga ppm 1	1DX Te ppm 0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
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	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	0.005	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
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
Prep Wash																			
G1	Prep Blank	0.085	11	7	0.57	223	0.132	<20	1.04	0.081	0.47	<0.1	<0.01	0.3	<0.05	2.1	<0.5	5	<0.2
G1	Prep Blank	0.081	11	6	0.57	228	0.135	<20	1.05	0.085	0.47	<0.1	<0.01	0.3	<0.05	2.1	<0.5	5	<0.2

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