

ASSESSMENT REPORT

2011 GEOCHEMICAL PROGRAM

on the

Berg Property

Watson Lake Mining District, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: 'BER' 1-54 (YD118441 – YD118494), 'BERG' 65-76 (YD118505 – YD118516), 'BERG' 94-95 (YD118534 – YD118535), 'BERG' 136-139 (YD118576 – YD118579), and 'BERG' 148-169 (YD118588 – YD118609)

NTS Mapsheet: 105A13

UTM Coordinates: E450000, N6760000 (NAD83, Zone 9)

Owner: Goldspike Exploration Inc.

Author: D. Ferraro, HBSc.

Dates worked performed: September 13th, 2011 to September 18th, 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	8
7.0 Geology	
7.1 Regional Geology	8
7.2 Property Geology	9
8.0 2011 Work Program	
8.1 Sampling Method and Approach	11
8.2 Sample Preparation, Analysis, and QA/QC	12
8.3 Results	12
9.0 Conclusions and Recommendations	16
References	17
Statement of Expenditures	18
Certificates of Qualifications.....	19

Figures, Photos, and Tables

Figure 1: General Location of the Berg Property	2
Figure 2: Claim Location Map	7
Figure 3: Regional Bedrock Geology	10
Figure 4: Sample Location Map	14
Figure 5: Sample Geochemistry Map.....	15
Photo 1: Example of physiography on the Property.....	3
Photo 2: Rock sample 1224395	13
Photo 3: Quartz veining	13
Table 1: List of claims	4

Appendices

Appendix I: Soil Sample Descriptions.....	20
Appendix II: Silt Sample Descriptions	29
Appendix III: Rock Sample Descriptions.....	31
Appendix IV: Soil and Silt Sample Assay Certificates	34
Appendix V: Rock Sample Assay Certificates	75

1.0 SUMMARY

A 6 day geochemical sampling program was conducted on the Berg Property from September 13th, 2011 to September 18th, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 94 quartz claims located in the Watson Lake Mining District.

The Berg Property is situated in the Hasselberg Lake area, approximately 115 km northwest of Watson Lake. Although there is no road access, the Campbell Highway runs 27 km east of the property. During the 2011 work program, the property was accessed by helicopter based out of Watson Lake.

The Hasselberg Lake area is located within Yukon Tanana Terrane, a middle to Upper Paleozoic metamorphosed assemblage which extends from central Alaska through central Yukon to northern British Columbia. Prospecting during the 2011 work program revealed that the property is underlain by two main lithologies: Devonian-Mississippian metasediments and Late Devonian ultramafics.

A total of 397 soil samples, 3 silt samples, and 24 rock samples were taken over the course of the program. Soil sampling results were generally not favourable. Two slightly anomalous gold samples were returned from the property, as well as a handful of moderately anomalous samples off the claims. One silt sample yielded 245 ppb Au. Rock samples did not yield any significant gold results, although prospecting uncovered numerous large quartz veins within the metasediments.

The Berg Property is located in a geological setting favourable to vein-hosted gold deposits and potential VMS deposits. The anomalous GSC-collected silt samples from creeks draining the area and the favourable results of the adjacent Vivi Property (Wolverine Minerals) are both indicators of the potential of this property. Despite this, sampling failed to return significantly anomalous results. Although coverage could be improved, the expense of another program is high. Further reconnaissance prospecting is recommended.

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 Berg Property. Field work was performed by Druid Exploration Inc. of Dawson City, Yukon. The report text and maps were written by D. Ferraro, of Ferraro Consulting Ltd. of Woodstock, ON.

3.0 PROPERTY LOCATION AND ACCESS

The Berg Property is situated 3 km northwest of Hasselberg Lake, approximately 115 km northwest of Watson Lake (Figure 1). Although there is no road access, the Campbell Highway runs 27 km east of the property. During the 2011 work program, the property was accessed by helicopter based out of Watson Lake.



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

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Berg Property is situated in the Simpson Range of the Pelly Mountains. Topographically it is fairly high relief; the highest peak on the property reaches 6200 ft elevation. The area was host to Pleistocene-age glaciation which moved southeasterly along the larger river valleys resulting in numerous local cirques, tarn lakes and lateral moraines.

Vegetation consists of evergreen and deciduous forest which dominates the slopes. The mountain tops are generally bare due to high elevations with felsenmere and buck brush covering. The treeline ranges from 4500 ft to 5000 ft. Outcrop exposure is excellent on the mountain tops and plateaus, but limited at lower elevations.

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: General physiography of the Berg Property.

5.0 PROPERTY DESCRIPTION

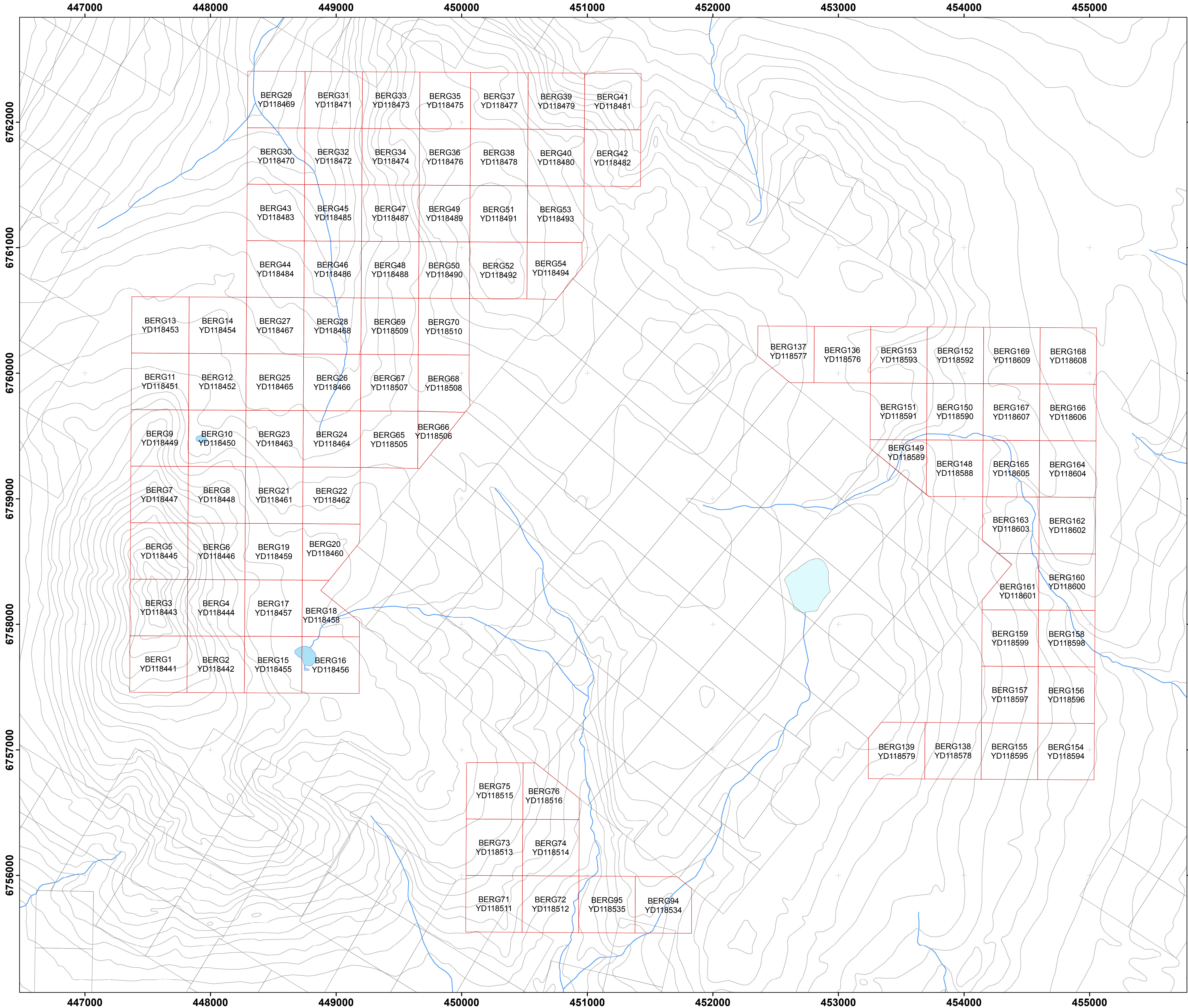
The present property consists of 94 quartz claims in the Watson Lake Mining District. The claims are broken into 3 contiguous groups of 60, 8, and 26 claims. The 94 'BERG' claims can be found on NTS mapsheet 105A13 (see Figure 2). The claims are owned 100% by Goldspike Exploration Inc. of Toronto, Ontario.

Table 1: Claims comprising the Berg Property.

Claim Name	Claim Number	Grant Number	Claim Owner	Status	Claim Expiry Date
BERG	1	YD118441	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	2	YD118442	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	3	YD118443	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	4	YD118444	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	5	YD118445	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	6	YD118446	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	7	YD118447	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	8	YD118448	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	9	YD118449	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	10	YD118450	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	11	YD118451	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	12	YD118452	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	13	YD118453	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	14	YD118454	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	15	YD118455	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	16	YD118456	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	17	YD118457	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	18	YD118458	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	19	YD118459	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	20	YD118460	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	21	YD118461	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	22	YD118462	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	23	YD118463	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	24	YD118464	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	25	YD118465	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	26	YD118466	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	27	YD118467	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	28	YD118468	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	29	YD118469	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	30	YD118470	Goldspike Exploration Inc. (100%)	Active	01/03/2016

BERG	31	YD118471	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	32	YD118472	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	33	YD118473	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	34	YD118474	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	35	YD118475	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	36	YD118476	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	37	YD118477	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	38	YD118478	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	39	YD118479	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	40	YD118480	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	41	YD118481	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	42	YD118482	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	43	YD118483	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	44	YD118484	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	45	YD118485	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	46	YD118486	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	47	YD118487	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	48	YD118488	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	49	YD118489	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	50	YD118490	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	51	YD118491	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	52	YD118492	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	53	YD118493	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	54	YD118494	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	65	YD118505	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	66	YD118506	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	67	YD118507	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	68	YD118508	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	69	YD118509	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	70	YD118510	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	71	YD118511	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	72	YD118512	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	73	YD118513	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	74	YD118514	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	75	YD118515	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	76	YD118516	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	94	YD118534	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	95	YD118535	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	136	YD118576	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	137	YD118577	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	138	YD118578	Goldspike Exploration Inc. (100%)	Active	01/03/2016

BERG	139	YD118579	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	148	YD118588	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	149	YD118589	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	150	YD118590	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	151	YD118591	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	152	YD118592	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	153	YD118593	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	154	YD118594	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	155	YD118595	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	156	YD118596	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	157	YD118597	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	158	YD118598	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	159	YD118599	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	160	YD118600	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	161	YD118601	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	162	YD118602	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	163	YD118603	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	164	YD118604	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	165	YD118605	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	166	YD118606	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	167	YD118607	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	168	YD118608	Goldspike Exploration Inc. (100%)	Active	01/03/2016
BERG	169	YD118609	Goldspike Exploration Inc. (100%)	Active	01/03/2016



Berg Property
Fig. 2: Claim Location Map
Goldspike Exploration Inc.
Hasselberg Lake area
Watson Lake Mining District

Legend

- BERG claims
- Yukon quartz claims

N 1:15,000

0 270 540 1,080 1,620 2,160 Meters

Date: March, 2012
Mapsheets: 105A13, 105H04
Datum: UTM NAD83 Zone 9

6.0 PROPERTY HISTORY

The Hasselberg Lake area has been explored for hard rock potential since the 1980s. Immediately south of the Berg Property, the Howard claims were staked by Alex Black in 1980. The Berg claims tie on to a central block of VIVI claims staked by John Peter Ross in 1997, HAS claims staked by Conor O'Donovan in 2010, and two EZ claims staked by Stella Hearty in 1998. The nearest Minfile occurrences are PORCUPINE, an ultramafic-hosted asbestos showing 3.5 km west of the BERG claims, and ITCH, an airborne EM-magnetic target staked 4 km east of the BERG claims by Cominco in 1994.

The PACKSACK claims were staked at the northwest end of Hasselberg Lake 2-3 km southeast of the BERG claims as a source of jade boulders. The SUSIE claims at the northeast end of Hasselberg Lake were also staked for jade boulders, but samples of transported glacial soil at the mouth of Hearty Creek returned strongly anomalous gold values, including 3560, 1010, 760, 290, and 140 ppb. The anomalous gold samples were confined to the SUSIE 1 and 2 claims along a north-south ridge close to the creek.

The Berg claims surround Wolverine Minerals Corp.'s Vivi Property. A 2011 soil sampling program yielded samples assaying up to 1300 ppb Au, while prospecting has not shown similar results (Wolverine Minerals, 2011).

7.0 GEOLOGY

7.1 Regional Geology

The Hasselberg Lake area is located within Yukon Tanana Terrane, a middle to Upper Paleozoic metamorphosed assemblage which extends from central Alaska through central Yukon to northern British Columbia. It consists of polymetamorphosed and polydeformed metasediments, metavolcanics, and metaplutonic rocks. The terrane is cut by the Tintina Fault, a right-lateral strike-slip fault which occurs along the suture zone between the Yukon Tanana Terrane to the southwest and ancestral North America to the northeast (Murphy, 2002).

The Simpson Range area is host to a package of mafic and felsic volcanics and associated sediments which are overlain to the northwest by Permian aged diorite, gabbro and pyroxenite of the Campbell Range (see Figure 3). Some areas of the ultramafic rocks are strongly serpentinized and talc altered and nephrite jade has been produced from boulders found in the reworked glacial till on south facing slopes and creeks in the area (Gregory, 2009).

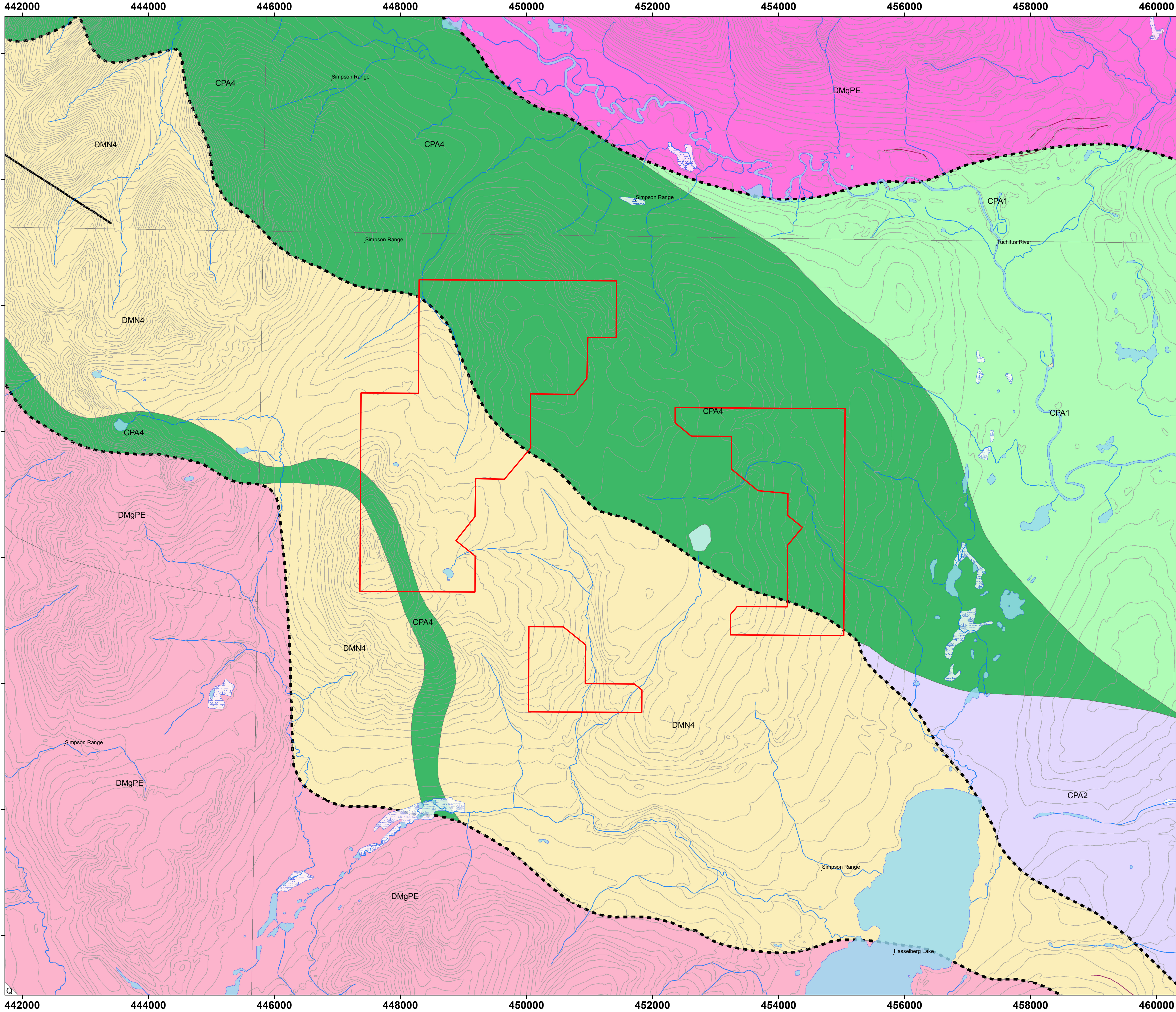
The Berg Property is 40 km southeast of the Fire Lake area, which was actively explored for volcanogenic massive sulphide deposits in the 1990s, and is underlain by highly deformed metamorphic rocks immediately east of the Tintina Fault. The Fire Lake deposit consists of two parallel northwest-trending zones with a drill defined strike length of 1500 m and a width of

250 m. Copper, cobalt, and gold occur in quartz-chlorite schist below a layer of carbonaceous phyllite. In 1998 Columbia Gold estimated a preliminary resource of 15.4 million tonnes grading 2.1% Cu, 0.11% Co, and 0.73 g/t Au (Bremner, 2010).

7.2 Property Geology

The claims cover Devonian-Mississippian quartzite and quartz-muscovite schist in the axis of a northwest-plunging anticline that is outlined by serpentized ultramafic rocks (dunite, peridotite, harzburgite and diabase) of Devonian to Carboniferous age. The Devonian-Mississippian quartzite and schist are interpreted as a metamorphosed felsic volcanic sequence, and government regional mapping shows them as the same unit that hosts the Fire Lake deposit. The Berg claim blocks cover the fold hinge as well as the ultramafic contacts on both the southwest and the northeast limb of the fold (Bremner 2010).

Prospecting during the 2011 work program revealed that the property is underlain by two main lithologies: Devonian-Mississippian metasediments and Upper Devonian ultramafics. The metasediments dominate most of the property and are generally observed as moderately foliated mica and chlorite schists and quartzite. Quartz veining is abundant within this unit, with veins up to 1m wide. While the schists are often well oxidized, pyrite mineralization was rarely observed. Hematite and epidote alteration is common in the metasediments. Strike tends to be NNE to NNW and shallow dips to the east and west were observed. The ultramafic unit was found to be peridotite or serpentinite and is commonly fine grained to aphanitic, dark green-grey-black, massive, and heavy. No mineralization was observed in the ultramafics.



Berg Property

Fig. 3: Bedrock Geology Map

Goldspike Exploration Inc.

Hasselberg Lake area
Watson Lake Mining District

Legend

Berg Property

Bedrock Geology

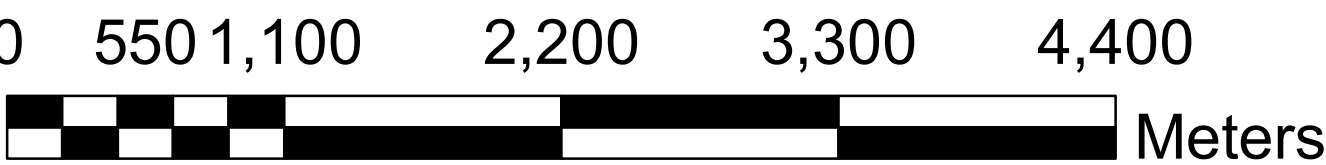
Rock type

- orthogneiss
- quartz monzonite
- quartzite/qt-ms-schist
- chert/shale/argillite/phyllite/breccia
- basalt/diorite/gabbro/greenstone
- dunite/peridotite/harzburgite/diabase/serpentinite

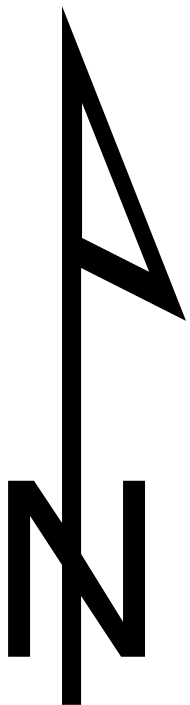
Fault lines

Fold axes

1:30,000



Date: March, 2012
Mapsheets: 105A13, 105H04
Datum: UTM NAD83 Zone 9



8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A 6 day geochemical sampling program was conducted on the Berg Property from September 13th, 2011 to September 18th, 2011. Working out of a camp, a crew of 4 soil samplers, 1 prospector and one geologist collected 397 soil samples, 3 silt samples, and 24 rock samples (see Figure 4 for sample locations). However due to changes in claim groups, only 153 soil samples, 2 silt samples, and 3 rock samples were taken from the property itself and thus claimed for in the report of work. For the purposes of this report, all samples taken from the property area are included in the maps and descriptions. 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 from the 'C' horizon, placing it in a Kraft paper bag, marking the location with GPS, and marking the location with flagging tape labeled with the sample number. Sample conditions, environment and attributes were recorded in a field notebook. The GPS units were downloaded daily for plotting in ArcGIS. Soil samples were hung up to dry, then packed and shipped to the lab. Soil sample descriptions can be found in Appendix I.

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

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

8.2 Sample Preparation, Analysis, and QA/QC

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

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

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

8.3 Results

Soil Samples

The soil sampling program conducted on the Berg Property yielded few anomalous results. A total of 397 samples were taken from the area, with a 153 on the claims themselves. Two samples immediately south of Group 2 yielded 92 and 34 ppb Au (Figure 5). A group of 7 samples between groups 2 and 3 yielded up to 73 ppb Au. On Group 3, one sample in the northeast corner yielded 32.7 ppb Au. Soil sample results can be found in Appendix IV.

Silt Samples

Only one silt sample taken from the property yielded anomalous gold results. Sample 1220698 was taken from a creek draining the Vivi plateau area and assayed 245 ppb Au. A GSC-collected sample taken 700m south from the sample assayed 22 ppb Au. Another GSC-collected sample taken from a creek draining the same area assayed 110 ppb Au. Silt sample results can be found in Appendix IV.

Rock Samples

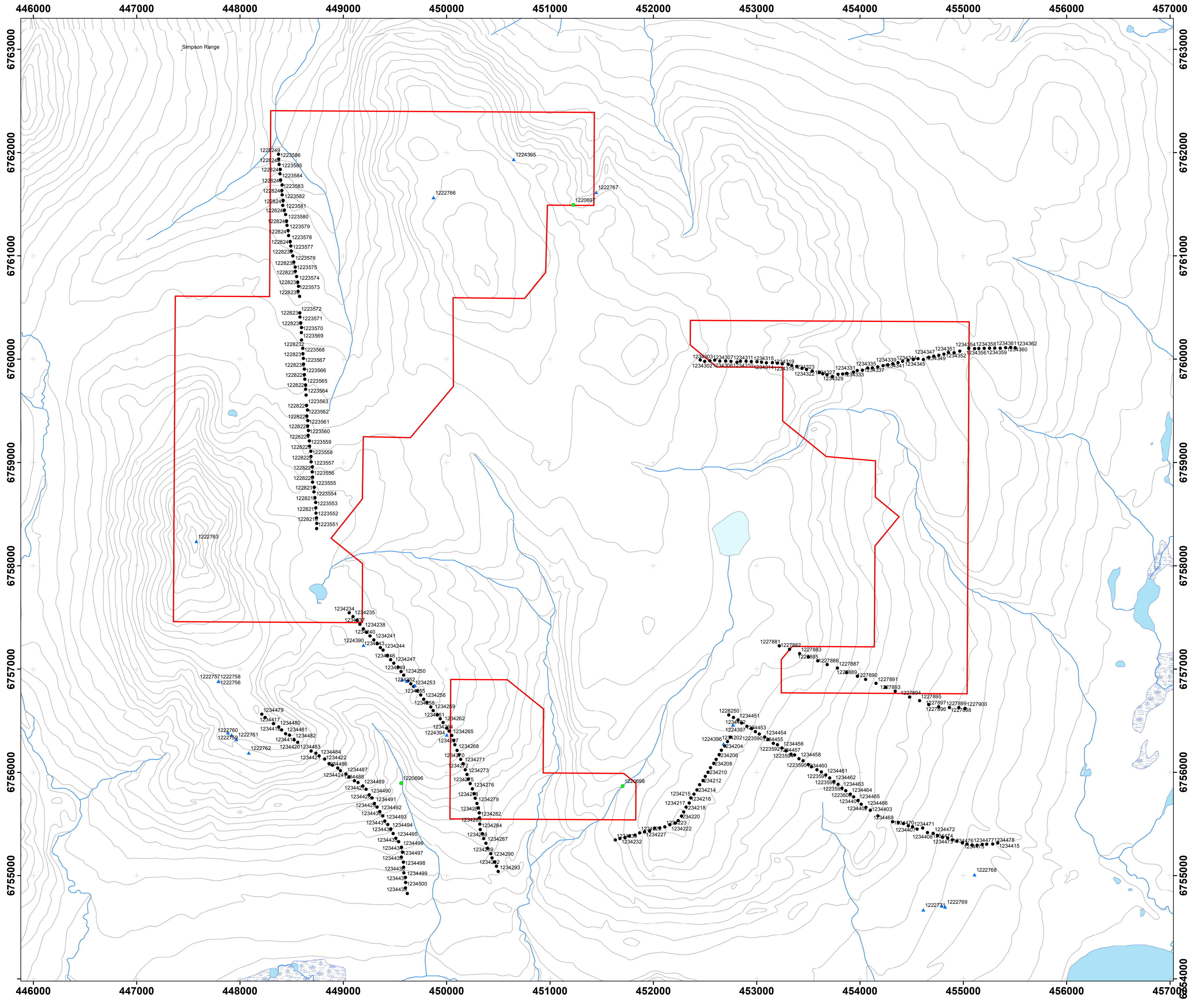
Although 24 rock samples were taken from the area, only 3 are located on the BERG claims. No sample yielded anomalous gold results, however samples 1222767 and 1224395 assayed 1649 and 1584 ppm Ni, respectively (Photo 2). These two samples were ultramafic in origin. Despite the lack of assay results, prospecting in the area turned up numerous large quartz veins up to 1m wide within the metasedimentary units (Photo 3). These veins often smelled heavily of sulfur when sampled. The metasedimentary hosts, typically a mica schist displayed remnant sulphide mineralization. Rock sample results can be found in Appendix V.



Photo 2: Rock sample 1224395: a serpentinite assaying 1584 ppm Ni.



Photo 3: Large quartz vein within the sedimentary unit at E449197, N6757239.



Berg Property

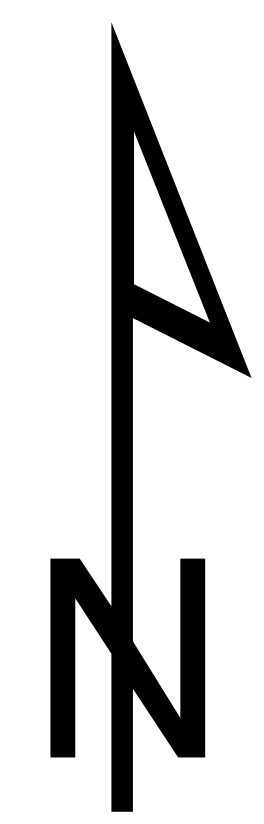
Fig. 4: Sample Location Map

Goldspike Exploration Inc.

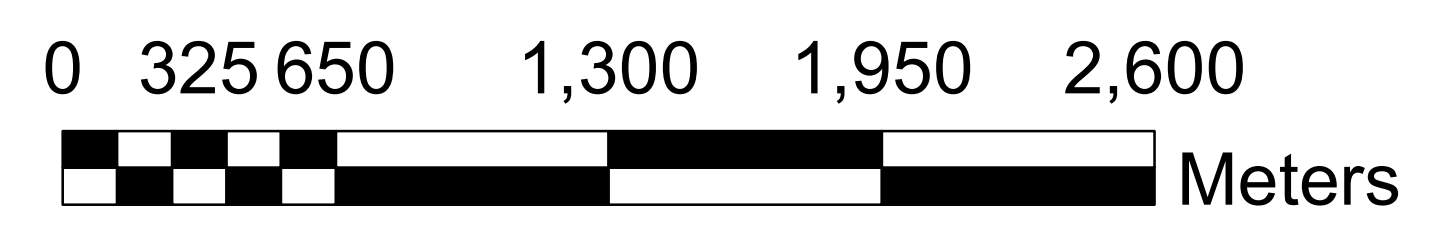
Hasselberg Lake area
Watson Lake Mining District

Legend

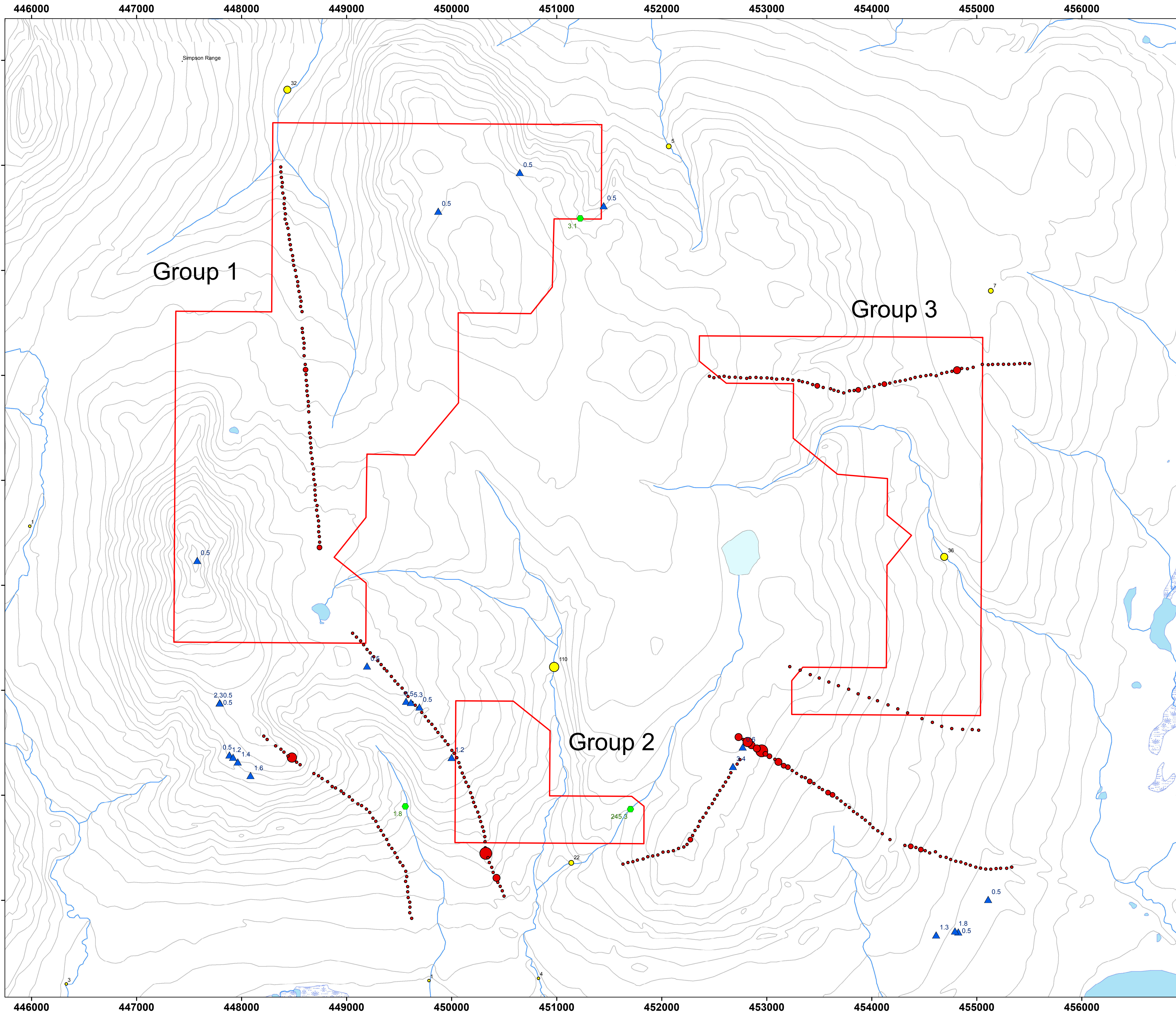
- Rock samples
- Silt samples
- Soil samples
- Berg Property



1:18,000



Date: March, 2012
Mapsheets: 105A13, 105H04
Datum: UTM NAD83 Zone 9



Berg Property

Fig. 5: Sample Geochemistry (Au)

Goldspike Exploration Inc.

Hasselberg Lake area
Watson Lake Mining District

Legend

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

Soil samples

Au (ppb)

- 0.5 - 10.0
- 10.1 - 25.0
- 25.1 - 50.0
- 50.1 - 70.0
- 70.1 - 92.7

— Berg Property

GSC Regional stream geochem

Au (ppb)

- 0.0 - 4.5
- 4.6 - 22.0
- 22.1 - 84.0
- 84.1 - 226.0
- 226.1 - 405.0

1:18,000

0 325 650 1,300 1,950 2,600
Meters

Date: March, 2012
Mapsheets: 105A13, 105H04
Datum: UTM NAD83 Zone 9

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Berg Property is located in a geological setting favourable to vein-hosted gold deposits and potential VMS deposits. The anomalous GSC-collected silt samples from creeks draining the area and the favourable results of the adjacent Vivi Property (Wolverine Minerals) are both indicators of the potential of this property.

In spite of the above, the samples taken from the property and surrounding area failed to return significant results. The two anomalous soil samples south of Group 2 may indicate local gold mineralization either in-situ or uphill. The group of 7 anomalous samples are located on unstaked ground which, if the property is held, should be staked for mineral rights.

Logistically, this property is expensive to reach and difficult to explore without a field camp. Sampling coverage during the 2011 work program was not adequate for proper reconnaissance. If operations for other Goldspike properties are undertaken from Watson Lake, it is recommended that further prospecting be done on the Berg Property in order to focus soil sampling and prospecting in the future.

REFERENCES

Bremner, T. (2010): Berg Property, BERG 1-94 claims, 105A13, Watson Lake Mining District, for YC Syndicate and Goldspike Exploration Inc.

Gregory, D. (2009): Assessment Report Describing Soil Sampling, Prospecting and Geological Mapping at the Four Corners Property located in the Watson Mining District, Yukon Territory; Assessment Report prepared by Archer, Cathro & Associates (1981) Limited for Strategic Metals Ltd., 9 p. plus maps and tables.

Murphy, D. et al. (2002): Finlayson Lake Targeted Geoscience initiative (southeastern Yukon), Part 1: Bedrock geology. In: Yukon Exploration and Geology 2001, D. S. Emond, L. H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189 - 207.

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

Wolverine Minerals Corp. (01/12/2011): Wolverine Identifies A Large, Strongly Anomalous Gold In Soil Zone At Its Vivi Property.
http://www.wolverineminerals.ca/s/NewsReleases.asp?ReportID=494012&_Type=News-Releases&_Title=Wolverine-Identifies-A-Large-Strongly-Anomalous-Gold-In-Soil-Zone-At-Its-Vi.

Yukon Minfile 105A034 (2002): HOWARD, Yukon Geological Survey.

Yukon Minfile 105A048 (2002): ITCH, Yukon Geological Survey.

Yukon Minfile 105B052 (2002): PORCUPINE, Yukon Geological Survey.

STATEMENT OF EXPENDITURES

EXPLORATION COSTS ASSOCIATED WITH THE BERG PROPERTY BETWEEN Sep 13th and Sep 18th 2011	GROUP-1 60-claims			GROUP-2 8-claims			GROUP-3 26-claims		
ITEM	COST/ UNIT	UNIT AMT	TOTAL	COST/ UNIT	UNIT AMT	TOTAL	COST/ UNIT	UNIT AMT	TOTAL
Hughes 500D Helicopter + Fuel /Hr	\$ 1,182.00	13.1	\$ 15,484.20	\$ 1,182.00	1.8	\$ 2,127.60	\$ 1,182.00	5.6	\$ 6,619.20
ROCK ASSAY	\$ 28.88	3	\$ 86.64	\$ 28.88	0	\$ -	\$ 28.88	0	\$ -
SOIL ASSAY	\$ 18.00	73	\$ 1,314.00	\$ 18.00	18	\$ 324.00	\$ 18.00	62	\$ 1,116.00
SILT ASSAY	\$ 18.00	1	\$ 18.00	\$ 18.00	1	\$ 18.00	\$ 18.00	0	\$ -
Project Geologist / Day	\$ 500.00	4	\$ 2,000.00	\$ 500.00	1	\$ 500.00	\$ 500.00	1	\$ 500.00
6 x Soil Samplers = 300 x 6 /day	\$ 1,800.00	4	\$ 7,200.00	\$ 1,800.00	1	\$ 1,800.00	\$ 1,800.00	1	\$ 1,800.00
2 x Prospector 2 x 350 / day	\$ 700.00	4	\$ 2,800.00	\$ 700.00	0	\$ -	\$ 700.00	2	\$ 1,400.00
Food and Accomodation (Andrea's Hotel)	\$ 3,610.82	1	\$ 3,610.82	\$ 129.00	0	\$ -	\$ 129.00	0	\$ -
Truck Rental = \$140 x 2	\$ 280.00	4	\$ 1,120.00	\$ 280.00	0	\$ -	\$ 280.00	2	\$ 560.00
Fuel - Automobile	\$ 550.32	1	\$ 550.32	\$ 3,800.00	0	\$ -	\$ 3,800.00	0	\$ -
Maps and drafting	\$ 100.00	2	\$ 200.00	\$ 100.00	0	\$ -	\$ 100.00	2	\$ 200.00
Report preperation	\$ 1,500.00	0.5	\$ 750.00	\$ 1,500.00	0	\$ -	\$ 1,500.00	0.5	\$ 750.00
Mobile office equipment rental from Druid Exploration - (Laptop,Printer,Software + Surge protector)	\$ 65.00	0	\$ -	\$ 65.00	0	\$ -	\$ 65.00	6	\$ 390.00
			\$ -			\$ -			\$ -
		TOTAL	\$ 35,133.98		TOTAL	\$ 4,769.60		TOTAL	\$ 13,335.20

CERTIFICATE OF QUALIFICATIONS

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

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


Daniel Ferraro, H.B.Sc.

Date: May 1st, 2012

Appendix I: Soil Sample Descriptions

Soil Sample Descriptions

UTM NAD83 Zone 9

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223551	448742	6758360	1533	15-Sep-11	30-40	c	light brown	15	10				75	talus	moist	alpine	plateau
1223552	448741	6758464	1536	15-Sep-11	20-30	c	light grey	5	10				85	talus	moist	alpine	plateau
1223553	448734	6758562	1524	15-Sep-11	30-40	c	greenish grey	5	5				90	talus	moist	alpine	plateau
1223554	448724	6758659	1522	15-Sep-11	40-50	c	light brown	15	10				75	talus	moist	alpine	plateau
1223555	448719	6758760	1510	15-Sep-11	30-40	c	light brown	5	5				90	talus	moist	alpine	plateau
1223556	448702	6758858	1499	15-Sep-11	40-50	c	greenish grey	5	5				90	talus	moist	alpine	plateau
1223557	448701	6758957	1487	15-Sep-11	30-40	c	light brown	10	15				75	talus	moist	alpine	plateau
1223558	448686	6759058	1469	15-Sep-11	40-50	c	light brown	5	5				90	talus	moist	alpine	mid slope
1223559	448673	6759158	1458	15-Sep-11	20-30	c	light brown	15	10				75	talus	moist	alpine	mid slope
1223560	448660	6759262	1450	15-Sep-11	40-50	c	light brown		5				95	weathered bedrock	moist	alpine	mid slope
1223561	448655	6759354	1435	15-Sep-11	40-50	c	light brown	5	5				90	talus	moist	alpine	mid slope
1223562	448648	6759450	1426	15-Sep-11	40-50	c	light brown	5	5				90	talus	moist	alpine	mid slope
1223563	448644	6759551	1413	15-Sep-11	50-60	c	dark grey	30					70	talus	moist	alpine	mid slope
1223564	448640	6759653	1405	15-Sep-11	40-50	c	light brown	10	5				85	talus	moist	alpine	mid slope
1223565	448635	6759750	1396	15-Sep-11	30-40	c	light grey	15					85	talus	moist	alpine	mid slope
1223566	448622	6759851	1383	15-Sep-11	50-60	c	light brown	5					95	talus	moist	alpine	mid slope
1223567	448615	6759952	1379	15-Sep-11	40-50	c	light brown						100	talus	moist	alpine	mid slope
1223568	448609	6760053	1372	15-Sep-11	40-50	c	light brown						100	talus	moist	alpine	mid slope
1223569	448595	6760186	1366	15-Sep-11	40-50	c	light brown	10			10		80	talus	moist	alpine	mid slope
1223570	448594	6760258	1360	15-Sep-11	40-50	c	light brown	10					90	talus	moist	alpine	mid slope
1223571	448588	6760352	1351	15-Sep-11	30-40	c	dark grey	15					85	talus	moist	alpine	mid slope
1223572	448578	6760447	1343	15-Sep-11	50-60	c	light grey	5	15				80	talus	moist	alpine	mid slope
1223573	448562	6760656	1322	15-Sep-11	50-60	c	greenish grey	10					90	talus	moist	alpine	mid slope
1223574	448558	6760746	1316	15-Sep-11	40-50	c	light brown	5	5				90	talus	moist	alpine	mid slope
1223575	448536	6760850	1313	15-Sep-11	40-50	c	light brown		5				95	talus	moist	alpine	mid slope
1223576	448521	6760940	1306	15-Sep-11	50-60	c	light grey		5				95	talus	moist	alpine	mid slope
1223577	448497	6761047	1298	15-Sep-11	40-50	c	dark brown	65					35	talus	moist	alpine	mid slope
1223578	448486	6761140	1289	15-Sep-11	50-60	c	dark brown	70					30	talus	moist	alpine	mid slope
1223579	448465	6761244	1281	15-Sep-11	30-40	c	light grey	15	10				75	talus	moist	alpine	mid slope
1223580	448451	6761338	1271	15-Sep-11	40-50	c	light grey	25					75	talus	moist	alpine	mid slope
1223581	448430	6761443	1270	15-Sep-11	40-50	c	light brown	15	5				80	talus	moist	alpine	mid slope
1223582	448417	6761538	1264	15-Sep-11	30-40	c	light brown	10	5				85	talus	moist	alpine	mid slope
1223583	448405	6761634	1246	15-Sep-11	40-50	c	greenish grey	10	5				85	talus	moist	alpine	mid slope
1223584	448393	6761736	1220	15-Sep-11	30-40	c		5					95	talus	moist	alpine	mid slope
1223585	448389	6761836	1181	15-Sep-11	40-50	c	greenish grey	10	10				80	talus	moist	alpine	mid slope
1223586	448375	6761937	1163	15-Sep-11	30-40	c	greenish grey		10				90	talus	moist	alpine	mid slope
1223587	452776	6756532	1402	16-Sep-11	30-40	c	light brown	5	15				80	weathered bedrock	moist	evergreen	mid slope
1223588	452855	6756477	1388	16-Sep-11	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope
1223589	452952	6756424	1367	16-Sep-11	40-50	c	dark grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1223590	453026	6756371	1345	16-Sep-11	50-60	c	dark grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1223591	453111	6756318	1327	16-Sep-11	40-50	c	dark grey	25					75	weathered bedrock	moist	evergreen	mid slope
1223592	453201	6756268		16-Sep-11	30-40	c	dark grey	20					80	weathered bedrock	moist	evergreen	mid slope
1223593	453285	6756208	1296	16-Sep-11	40-50	c	dark grey	35					65	weathered bedrock	moist	evergreen	mid slope
1223594	453368	6756168	1275	16-Sep-11	40-50	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1223595	453449	6756112	1267	16-Sep-11	40-50	c	dark grey	25					75	weathered bedrock	moist	evergreen	mid slope
1223596	453531	6756054	1261	16-Sep-11	50-60	c	light grey	5					95	weathered bedrock	moist	evergreen	mid slope
1223597	453626	6756004	1253	16-Sep-11	40-50	c	dark grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1223598	453707	6755945	1250	16-Sep-11	40-50	c	dark grey	10	5				85	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223599	453787	6755884	1231	16-Sep-11	30-40	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1223600	453862	6755822	1229	16-Sep-11	40-50	c	dark brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1227881	453219	6757225	1387	14-Sep-11	30-40	c	dark grey		15				85	weathered bedrock	moist	evergreen	plateau
1227882	453318	6757191	1390	14-Sep-11	30-40	c	greenish grey		10				90	weathered bedrock	moist	evergreen	plateau
1227883	453415	6757149	1392	14-Sep-11	40-50	c	light brown		30				70	weathered bedrock	dry	evergreen	plateau
1227884	453500	6757116	1381	14-Sep-11	30-40	c	dark brown		25				75	weathered bedrock	moist	evergreen	mid slope
1227885	453591	6757079	1351	14-Sep-11	40-50	c	dark brown	20					80	weathered bedrock	moist	evergreen	mid slope
1227886	453683	6757043	1318	14-Sep-11	30-40	c	dark grey	20					80	weathered bedrock	moist	evergreen	mid slope
1227887	453781	6757010	1298	14-Sep-11	40-50	c	dark brown	15	20				65	weathered bedrock	moist	evergreen	mid slope
1227888	453870	6756966	1273	14-Sep-11	60-70	c	dark grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1227889	453975	6756930	1250	14-Sep-11	40-50	c	dark grey		20				80	weathered bedrock	moist	evergreen	mid slope
1227890	454055	6756900	1226	14-Sep-11	50-60	c	light grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1227891	454155	6756861	1208	14-Sep-11	50-60	c	dark grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1227892	454248	6756823	1208	14-Sep-11	40-50	c	dark grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1227893	454341	6756785	1184	14-Sep-11	20-30	c	dark grey		15				85	weathered bedrock	moist	evergreen	mid slope
1227894	454479	6756729	1162	14-Sep-11	40-50	c	dark grey	10	5				85	talus	moist	evergreen	mid slope
1227895	454577	6756694	1136	14-Sep-11	40-50	c	dark brown	40					60	talus	moist	evergreen	mid slope
1227896	454666	6756656	1127	14-Sep-11	40-50	c	greenish grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1227897	454761	6756635	1102	14-Sep-11	40-50	c	light grey	5					95	weathered bedrock	moist	evergreen	mid slope
1227898	454865	6756627	1098	14-Sep-11	50-60	c	dark grey	25					75	weathered bedrock	moist	evergreen	mid slope
1227899	454957	6756626	1084	14-Sep-11	40-50	c	black	25					75	weathered bedrock	moist	evergreen	mid slope
1227900	455018	6756620	1084	14-Sep-11	40-50	c	dark grey	15					85	weathered bedrock	moist	evergreen	mid slope
1227951	459889	6756170	1089	17-Sep-11	30-40	c	ash(saltandpepper)	5					95	talus	moist	evergreen	ridge top
1227952	459836	6756162	1091	17-Sep-11	40-50	c	ash(saltandpepper)	5	5				90	talus	moist	evergreen	ridge top
1227953	459785	6756153	1090	17-Sep-11	40-50	c	light brown	5	5				90	talus	moist	evergreen	ridge top
1227954	459727	6756154	1090	17-Sep-11	30-40	c	light brown	5	5				90	talus	moist	evergreen	ridge top
1227955	459686	6756158	1091	17-Sep-11	40-50	c	greenish grey	5					95	talus	moist	evergreen	ridge top
1227956	459637	6756158	1091	17-Sep-11	30-40	c	light brown		10				90	talus	moist	evergreen	ridge top
1227957	459585	6756146	1090	17-Sep-11	40-50	c	light brown	10					90	talus	moist	evergreen	mid slope
1227958	459537	6756143	1091	17-Sep-11	40-50	c	ash(saltandpepper)	10					90	talus	moist	evergreen	mid slope
1227959	459488	6756144	1089	17-Sep-11	40-50	c	light grey	5	5				90	talus	moist	evergreen	mid slope
1227960	459441	6756144	1088	17-Sep-11	30-40	c	ash(saltandpepper)	5					95	talus	moist	evergreen	mid slope
1227961	459389	6756146	1086	17-Sep-11	40-50	c	dark grey	10	5				85	talus	moist	evergreen	mid slope
1227962	459344	6756141	1084	17-Sep-11	40-50	c	light brown	5	5				90	talus	moist	evergreen	mid slope
1227963	459278	6756132	1081	17-Sep-11	50-60	c	light brown	10	5				85	talus	moist	evergreen	mid slope
1227964	459233	6756133	1077	17-Sep-11	40-50	c	light brown	5					95	talus	moist	evergreen	mid slope
1227965	459181	6756136	1075	17-Sep-11	60-70	c	light grey	40	10				50	talus	moist	evergreen	mid slope
1227966	459138	6756132	1073	17-Sep-11	40-50	c	light brown	5	5				90	talus	moist	evergreen	mid slope
1227967	459086	6756128	1071	17-Sep-11	40-50	c	light brown	5	5				90	talus	moist	evergreen	mid slope
1227968	459031	6756124	1067	17-Sep-11	40-50	c	light brown	5					95	talus	moist	evergreen	mid slope
1227969	458982	6756124	1065	17-Sep-11	40-50	c	ash(saltandpepper)	5	5				90	talus	moist	evergreen	mid slope
1227970	458946	6756116	1061	17-Sep-11	40-50	c	light grey	5					95	talus	moist	evergreen	mid slope
1227971	458874	6756118	1058	17-Sep-11	40-50	c	light grey	5					95	talus	moist	evergreen	mid slope
1227972	458827	6756121	1054	17-Sep-11	40-50	c	light brown	5	5				90	talus	moist	evergreen	mid slope
1227973	458788	6756121	1050	17-Sep-11	40-50	c	greenish grey	5	5				90	talus	moist	evergreen	mid slope
1227974	458727	6756120	1046	17-Sep-11	40-50	c	light brown	10					90	talus	moist	evergreen	mid slope
1227975	458693	6756116	1042	17-Sep-11	50-60	c	light grey	5	10				85	talus	moist	evergreen	mid slope
1227976	458645	6756116	1038	17-Sep-11	40-50	c	ash	5	5				90	talus	moist	evergreen	mid slope
1227977	458592	6756111	1031	17-Sep-11	30-40	c	light brown	5	5				90	talus	moist	evergreen	mid slope
1227978	458539	6756114	1021	17-Sep-11	30-40	c	light brown		10				90	talus	moist	evergreen	mid slope
1227979	458485	6756110	1012	17-Sep-11	70-80	c	dark brown	20					80	loess - organic rich	moist	evergreen	mid slope
1227980	458434	6756112	1005	17-Sep-11	60-70	c	dark brown	70	30					loess - organic rich	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1227981	458387	6756101	998	17-Sep-11	60-70	b/c	light brown	30	20				50	loess - organic rich	moist	evergreen	mid slope
1227982	458333	6756100	991	17-Sep-11	>80	c	dark brown	50					50	loess - organic rich	moist	evergreen	mid slope
1227983	458285	6756099	987	17-Sep-11	60-70	c	dark grey	20	5				75	loess - organic rich	moist	evergreen	mid slope
1227984	458237	6756101	979	17-Sep-11	40-50	c	light brown	10	15				75	talus	moist	evergreen	mid slope
1227985	458140	6756099	966	17-Sep-11	40-50	b/c	light brown	5	5				90	loess - organic rich	moist	evergreen	mid slope
1227986	458186	6756102	973	17-Sep-11	40-50	c	light grey		10				90	talus	moist	evergreen	mid slope
1227987	458089	6756100	958	17-Sep-11	60-70	b/c	dark brown	80					20	loess - organic rich	moist	evergreen	mid slope
1227988	458039	6756087	947	17-Sep-11	70-80	c	greenish grey	20					80	loess - organic rich	moist	evergreen	mid slope
1227989	457982	6756081	944	17-Sep-11	50-60	c	dark grey	30	10				60	talus	moist	evergreen	mid slope
1227990	457923	6756090	937	17-Sep-11	50-60	b/c	dark brown	90					10	talus	moist	evergreen	mid slope
1227991	457884	6756086	930	17-Sep-11	>80	c	dark brown	90					10	fluvial	moist	evergreen	mid slope
1227992	457839	6756083	921	17-Sep-11	60-70	c	dark grey	10					90	talus	moist	evergreen	mid slope
1227993	457788	6756081	917	17-Sep-11	50-60	c	dark brown	25					75	loess - organic rich	moist	evergreen	mid slope
1227994	457741	6756072	911	17-Sep-11	40-50	c	dark brown	90					10	loess - organic rich	moist	evergreen	mid slope
1227995	457689	6756075	911	17-Sep-11	40-50	c	light brown				50		50	loess - organic rich	moist	evergreen	mid slope
1227996	457633	6756078	915	17-Sep-11	50-60	c	light brown				60		40	talus	moist	evergreen	mid slope
1227997	457584	6756078	911	17-Sep-11	30-40	c	light brown	10			50		40	talus	moist	evergreen	mid slope
1227998	457534	6756072	912	17-Sep-11	20-30	c	light brown	5			45		50	talus	moist	evergreen	mid slope
1227999	457483	6756066	913	17-Sep-11	40-50	c	light brown	10	10		40		40	talus	moist	evergreen	mid slope
1228000	457429	6756063	912	17-Sep-11	30-40	c	light brown	10	10		20		60	talus	moist	evergreen	mid slope
1228216	448744	6758411	1541	15-Sep-11	30-40	c	light brown		15				85	talus	moist	alpine	plateau
1228217	448735	6758509	1533	15-Sep-11	40-50	c	light brown		10				90	talus	moist	alpine	plateau
1228218	448732	6758613	1526	15-Sep-11	30-40	c	light brown	5	15				80	talus	moist	alpine	plateau
1228219	448715	6758715	1518	15-Sep-11	20-30	c	light brown	15	20				65	talus	moist	alpine	plateau
1228220	448702	6758810	1507	15-Sep-11	40-50	c	light brown		10				90	talus	moist	alpine	plateau
1228221	448698	6758908	1500	15-Sep-11	40-50	c	light brown	5	10				85	talus	moist	alpine	plateau
1228222	448689	6759006	1480	15-Sep-11	20-30	c	light brown	20	20				60	talus	dry	alpine	mid slope
1228223	448685	6759108	1458	15-Sep-11	30-40	c	light brown		25				75	talus	moist	alpine	mid slope
1228224	448672	6759208	1454	15-Sep-11	30-40	c	light brown	15					85	talus	moist	alpine	mid slope
1228225	448662	6759309	1440	15-Sep-11	40-50	c	light brown		15				85	weathered bedrock	moist	evergreen	mid slope
1228226	448656	6759405	1429	15-Sep-11	40-50	c	light brown				30		70	weathered bedrock	moist	evergreen	mid slope
1228227	448654	6759508	1425	15-Sep-11	30-40	c	dark grey		28				72	talus	moist	evergreen	mid slope
1228228	448636	6759708	1400	15-Sep-11	40-50	c	yellow-orange		10			10	80	weathered bedrock	moist	evergreen	mid slope
1228229	448628	6759806	1386	15-Sep-11	30-40	a/b	dark brown	70					30	loess - organic rich	moist	evergreen	mid slope
1228230	448623	6759903	1381	15-Sep-11	40-50	c	yellow-orange		5			10	85	weathered bedrock	moist	evergreen	mid slope
1228231	448614	6760007	1372	15-Sep-11	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228232	448607	6760104	1366	15-Sep-11	40-50	c	dark grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228233	448596	6760306	1354	15-Sep-11	30-40	c	light brown	15	10				75	loess - organic rich	moist	evergreen	mid slope
1228234	448580	6760408	1342	15-Sep-11	20-30	b	white	40					60	talus	moist	evergreen	bench
1228235	448576	6760607	1325	15-Sep-11	50-60	c	dark brown	30					70	loess - organic rich	wet	evergreen	mid slope
1228236	448567	6760705	1314	15-Sep-11	50-60	c	dark grey	30					70	loess - organic rich	moist	evergreen	mid slope
1228237	448547	6760799	1313	15-Sep-11	40-50	c	dark grey					10	90	fluvial	wet	marsh	bench
1228238	448534	6760891	1305	15-Sep-11	40-50	c	light grey		15				85	loess - organic rich	moist	evergreen	mid slope
1228239	448511	6761000	1295	15-Sep-11	60-70	c	dark brown	15					85	fluvial	wet	marsh	mid slope
1228240	448491	6761095	1290	15-Sep-11	30-40	c	light grey		30				70	talus	moist	evergreen	mid slope
1228241	448471	6761196	1282	15-Sep-11	30-40	c	yellow-orange	10			20		70	talus	moist	evergreen	mid slope
1228242	448456	6761294	1272	15-Sep-11	30-40	c	light grey		20				80	till	moist	evergreen	mid slope
1228243	448442	6761400	1267	15-Sep-11	20-30	c	dark brown	15	30				55	talus	moist	evergreen	mid slope
1228244	448414	6761488	1265	15-Sep-11	30-40	c	dark grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1228245	448409	6761590	1251	15-Sep-11	40-50	c	light grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228246	448408	6761687	1230	15-Sep-11	30-40	c	light brown	10	30				60	weathered bedrock	moist	evergreen	mid slope
1228247	448386	6761795	1196	15-Sep-11	40-50	c	light brown		20				80	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228248	448379	6761885	1172	15-Sep-11	30-40	c	light brown		25				75	weathered bedrock	moist	evergreen	mid slope
1228249	448373	6761984	1153	15-Sep-11	40-50	c	light grey		10				90	weathered bedrock	moist	evergreen	valley bottom
1228250	452731	6756555	1405	16-Sep-11	30-40	c	light brown		20				80	weathered bedrock	moist	evergreen	ridge top
1234201	452745	6756340	1387	14-Sep-11	40-50	c	dark brown	10	20				70	weathered bedrock	moist	evergreen	ridge top
1234202	452718	6756297	1383	14-Sep-11	50-60	c	dark grey	60	10				30	weathered bedrock	moist	evergreen	ridge top
1234203	452690	6756257	1384	14-Sep-11	40-50	c	dark brown		15				85	weathered bedrock	moist	evergreen	ridge top
1234204	452659	6756214	1383	14-Sep-11	30-40	c	light brown		10				90	weathered bedrock	moist	evergreen	ridge top
1234205	452637	6756171	1382	14-Sep-11	30-40	c	light brown		15		10		75	weathered bedrock	moist	evergreen	ridge top
1234206	452609	6756126	1383	14-Sep-11	40-50	c	light grey		10		15		75	weathered bedrock	moist	evergreen	ridge top
1234207	452585	6756087	1383	14-Sep-11	40-50	c	dark brown		10				90	weathered bedrock	moist	evergreen	ridge top
1234208	452345	6756045	1382	14-Sep-11	40-50	c	light brown				30		70	weathered bedrock	moist	evergreen	ridge top
1234209	452529	6756001	1382	14-Sep-11	40-50	c	light brown		10		10		80	weathered bedrock	moist	evergreen	ridge top
1234210	452503	6755961	1380	14-Sep-11	40-50	c	dark grey		10				90	weathered bedrock	moist	evergreen	ridge top
1234211	452482	6755920	1377	14-Sep-11	50-60	c	light brown	10	10		10		70	weathered bedrock	moist	evergreen	ridge top
1234212	452448	6755880	1371	14-Sep-11	40-50	c	dark brown	40			10		50	weathered bedrock	moist	evergreen	ridge top
1234213	452422	6755830	1368	14-Sep-11	40-50	c	dark brown	80					20	weathered bedrock	moist	evergreen	ridge top
1234214	452394	6755789	1378	14-Sep-11	40-50	c	light grey		10		10		80	weathered bedrock	moist	evergreen	ridge top
1234215	452363	6755753	1379	14-Sep-11	40-50	c	dark brown		15		15		70	weathered bedrock	moist	evergreen	ridge top
1234216	452347	6755703	1381	14-Sep-11	30-40	c	light brown				20		80	weathered bedrock	moist	evergreen	ridge top
1234217	452317	6755664	1384	14-Sep-11	40-50	c	dark grey		10				90	weathered bedrock	moist	evergreen	ridge top
1234218	452295	6755617	1389	14-Sep-11	40-50	c	light brown		50				50	weathered bedrock	moist	evergreen	ridge top
1234219	452273	6755577	1391	14-Sep-11	70-80	c	light grey		20				80	weathered bedrock	moist	evergreen	ridge top
1234220	452241	6755532	1394	14-Sep-11	30-40	c	light grey		10				90	weathered bedrock	moist	evergreen	ridge top
1234221	452210	6755508	1394	14-Sep-11	30-40	c	dark grey		20				80	weathered bedrock	moist	evergreen	ridge top
1234222	452160	6755493	1392	14-Sep-11	30-40	c	light brown		30				70	weathered bedrock	moist	evergreen	ridge top
1234223	452111	6755472	1391	14-Sep-11	30-40	c	light brown		40				60	weathered bedrock	moist	evergreen	ridge top
1234224	452062	6755463	1386	14-Sep-11	30-40	c	light grey		10				90	weathered bedrock	moist	evergreen	ridge top
1234225	452012	6755459	1382	14-Sep-11	40-50	c	dark grey		10				90	weathered bedrock	moist	evergreen	ridge top
1234226	451964	6755431	1372	14-Sep-11	40-50	c	dark grey		30				70	weathered bedrock	moist	evergreen	ridge top
1234227	451915	6755422	1358	14-Sep-11	30-40	c	dark grey		30				70	weathered bedrock	moist	evergreen	ridge top
1234228	451868	6755414	1343	14-Sep-11	30-40	c	dark grey		30				70	weathered bedrock	moist	evergreen	ridge top
1234229	451824	6755393	1329	14-Sep-11	20-30	c	dark grey	10					90	weathered bedrock	moist	evergreen	ridge top
1234230	451769	6755383	1315	14-Sep-11	30-40	c	light grey		20				80	weathered bedrock	moist	evergreen	ridge top
1234231	451726	6755367	1297	14-Sep-11	50-60	c	dark grey		20				80	weathered bedrock	moist	evergreen	mid slope
1234232	451678	6755359	1283	14-Sep-11	30-40	c	dark grey		30				70	weathered bedrock	moist	evergreen	mid slope
1234233	451632	6755345	1272	14-Sep-11	40-50	c	olive grey		20				80	weathered bedrock	moist	evergreen	mid slope
1234234	449057	6757544	1536	15-Sep-11	40-50	c	light brown		10				90	talus	moist	alpine	ridge top
1234235	449094	6757507	1536	15-Sep-11	50-60	c	light brown		10				90	talus	moist	alpine	ridge top
1234236	449134	6757471	1535	15-Sep-11	40-50	c	light brown	10	10				80	talus	moist	alpine	ridge top
1234237	449162	6757433	1535	15-Sep-11	50-60	c	dark brown	5	10				85	talus	moist	alpine	ridge top
1234238	449195	6757389	1541	15-Sep-11	50-60	c	light brown		10				90	talus	moist	alpine	ridge top
1234239	449225	6757356	1544	15-Sep-11	30-40	c	light brown		10				90	talus	moist	alpine	ridge top
1234240	449259	6757320	1544	15-Sep-11	50-60	c	light grey	5	10				85	talus	moist	alpine	ridge top
1234241	449296	6757282	1544	15-Sep-11	30-40	c	dark brown	10	20				70	talus	moist	alpine	ridge top
1234242	449329	6757245	1540	15-Sep-11	20-30	c	light brown	20	10				70	talus	moist	alpine	ridge top
1234243	449359	6757207	1538	15-Sep-11	30-40	c	light brown						100	talus	moist	alpine	ridge top
1234244	449384	6757184	1534	15-Sep-11	40-50	c	olive grey				50		50	talus	moist	alpine	ridge top
1234245	449426	6757132	1540	15-Sep-11	30-40	c	light brown		5				95	talus	moist	alpine	ridge top
1234246	449459	6757090	1538	15-Sep-11	30-40	c	light brown		15				85	talus	moist	alpine	ridge top
1234247	449488	6757057	1533	15-Sep-11	30-40	c	dark brown	15	15				70	talus	moist	alpine	ridge top
1234248	449529	6757020	1529	15-Sep-11	20-30	c	dark brown	40	10		30		20	talus	moist	alpine	ridge top
1234249	449559	6756975	1520	15-Sep-11	30-40	c	light grey	10	40				50	talus	moist	alpine	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1234250	449585	6756941	1513	15-Sep-11	30-40	c	light grey	20	40				40	talus	moist	alpine	ridge top
1234251	449623	6756884	1502	15-Sep-11	10-20	b/c	dark brown	80					20	talus	moist	alpine	ridge top
1234252	449653	6756858	1500	15-Sep-11	10-20	b/c	dark brown	80					20	talus	moist	alpine	ridge top
1234253	449681	6756831	1494	15-Sep-11	10-20	c	light grey		90				10	talus	moist	alpine	ridge top
1234254	449715	6756789	1491	15-Sep-11	30-40	c	light brown		15				85	talus	moist	alpine	ridge top
1234255	449749	6756749	1489	15-Sep-11	30-40	c	light brown		20				80	talus	moist	alpine	ridge top
1234256	449779	6756707	1481	15-Sep-11	40-50	c	light grey	10	20				70	talus	moist	alpine	ridge top
1234257	449811	6756677	1477	15-Sep-11	30-40	c	light grey		15				85	talus	moist	alpine	ridge top
1234258	449846	6756633	1472	15-Sep-11	30-40	c	light brown	10	20				70	talus	moist	alpine	ridge top
1234259	449870	6756599	1466	15-Sep-11	30-40	c	light brown	20	20		20		40	talus	moist	alpine	ridge top
1234260	449910	6756558	1454	15-Sep-11	20-30	c	light brown	20	30				50	talus	moist	alpine	ridge top
1234261	449938	6756518	1445	15-Sep-11	40-50	c	light brown	10	20				70	talus	moist	alpine	ridge top
1234262	449966	6756482	1432	15-Sep-11	30-40	c	light brown	10	20				70	talus	moist	alpine	ridge top
1234263	450002	6756428	1413	15-Sep-11	10-20	a or b	dark grey	80					20	talus	moist	buck brush	mid slope
1234264	450023	6756400	1405	15-Sep-11	30-40	c	light brown	5	10				85	talus	moist	buck brush	mid slope
1234265	450049	6756357	1396	15-Sep-11	40-50	c	light brown	10	10		10		70	talus	moist	buck brush	mid slope
1234266	450070	6756310	1388	15-Sep-11	20-30	c	light brown		10		20		70	talus	moist	buck brush	mid slope
1234267	450080	6756268	1381	15-Sep-11	30-40	c	light grey	25	15				60	talus	moist	buck brush	mid slope
1234268	450101	6756212	1377	15-Sep-11	30-40	c	light brown	30	20				50	talus	moist	evergreen	mid slope
1234269	450119	6756170	1364	15-Sep-11	30-40	c	dark brown	20	30				50	talus	moist	evergreen	mid slope
1234270	450137	6756125	1355	15-Sep-11	20-30	c	light brown	20	20				60	talus	moist	evergreen	mid slope
1234271	450160	6756084	1344	15-Sep-11	20-30	c	dark brown	20	20				60	weathered bedrock	moist	evergreen	mid slope
1234272	450181	6756024	1331	15-Sep-11	20-30	c	light brown	20			10		70	weathered bedrock	moist	evergreen	mid slope
1234273	450197	6755979	1319	15-Sep-11	10-20	c	dark brown	30	10				60	weathered bedrock	moist	evergreen	mid slope
1234274	450210	6755933	1310	15-Sep-11	30-40	c	dark brown				20		80	weathered bedrock	moist	evergreen	mid slope
1234275	450227	6755891	1310	15-Sep-11	20-30	c	dark grey		30		30		40	weathered bedrock	moist	evergreen	mid slope
1234276	450249	6755840	1291	15-Sep-11	20-30	c	dark grey	40	40				20	weathered bedrock	moist	evergreen	mid slope
1234277	450265	6755794	1284	15-Sep-11	10-20	c	dark brown	30	30				40	weathered bedrock	moist	evergreen	mid slope
1234278	450277	6755749	1276	15-Sep-11	30-40	c	dark brown						100	weathered bedrock	moist	evergreen	mid slope
1234279	450293	6755699	1267	15-Sep-11	30-40	c	light grey	30					70	weathered bedrock	moist	evergreen	mid slope
1234280	450305	6755657	1266	15-Sep-11	30-40	c	dark brown	30	30				40	weathered bedrock	moist	evergreen	mid slope
1234281	450316	6755607	1248	15-Sep-11	30-40	c	dark brown	50					50	weathered bedrock	moist	evergreen	mid slope
1234282	450318	6755558	1242	15-Sep-11	10-20	c	dark brown	30	50				20	weathered bedrock	moist	evergreen	mid slope
1234283	450321	6755500	1229	15-Sep-11	20-30	c	light brown	10	15	40			30	weathered bedrock	moist	evergreen	mid slope
1234284	450325	6755446	1228	15-Sep-11	20-30	c	light brown		10		30		60	weathered bedrock	moist	evergreen	mid slope
1234285	450346	6755406	1225	15-Sep-11	30-40	c	light brown				50		50	weathered bedrock	moist	evergreen	mid slope
1234286	450359	6755359	1221	15-Sep-11	20-30	c	dark brown	10	20				70	weathered bedrock	moist	evergreen	mid slope
1234287	450381	6755314	1200	15-Sep-11	40-50	c	light brown	10	10	10			70	weathered bedrock	moist	evergreen	mid slope
1234288	450395	6755265	1183	15-Sep-11	30-40	c	light brown	20	50				30	weathered bedrock	moist	evergreen	mid slope
1234289	450427	6755213	1153	15-Sep-11	40-50	c	light brown				40		60	weathered bedrock	moist	evergreen	mid slope
1234290	450439	6755171	1145	15-Sep-11	40-50	c	light brown				40		60	weathered bedrock	moist	evergreen	mid slope
1234291	450463	6755132	1136	15-Sep-11	40-50	c	light brown				40		60	weathered bedrock	moist	evergreen	mid slope
1234292	450482	6755090	1134	15-Sep-11	30-40	c	light brown		10		50		40	weathered bedrock	moist	evergreen	mid slope
1234293	450499	6755040	1136	15-Sep-11	30-40	c	dark brown		30		40		30	weathered bedrock	moist	evergreen	mid slope
1234301	452454	6759991	1410	16-Sep-11	40-50	c	light brown	10	10				80	talus	moist	alpine	ridge top
1234302	452497	6759978	1409	16-Sep-11	30-40	c	light brown	5	20				75	talus	moist	buck brush	ridge top
1234303	452547	6759985	1410	16-Sep-11	20-30	c	light brown	15	15				70	talus	moist	buck brush	ridge top
1234304	452594	6759991	1405	16-Sep-11	30-40	c	light brown	5	15				80	talus	moist	buck brush	ridge top
1234305	452644	6759982	1398	16-Sep-11	10-20	c	olive grey	50	10				40	talus	moist	buck brush	ridge top
1234306	452699	6759982	1390	16-Sep-11	10-20	c	light grey	50					50	talus	moist	buck brush	ridge top
1234307	452752	6759978	1387	16-Sep-11	20-30	c	light grey	5	10				85	talus	moist	buck brush	ridge top
1234308	452809	6759971	1381	16-Sep-11	30-40	c	light brown	10			20		70	talus	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1234309	452842	6759979	1378	16-Sep-11	40-50	c	light brown	5	5				90	talus	moist	buck brush	ridge top
1234310	452898	6759980	1374	16-Sep-11	20-30	c	dark brown	50					50	talus	moist	buck brush	ridge top
1234311	452947	6759976	1370	16-Sep-11	40-50	c	dark brown	30					70	talus	moist	buck brush	ridge top
1234312	453003	6759976	1367	16-Sep-11	30-40	c	dark brown	40	10				50	talus	moist	buck brush	ridge top
1234313	453047	6759971	1363	16-Sep-11	40-50	c	light brown	10	15				75	talus	moist	buck brush	ridge top
1234314	453095	6759964	1358	16-Sep-11	20-30	c	light grey	30					70	talus	moist	buck brush	ridge top
1234315	453152	6759967	1355	16-Sep-11	30-40	c	dark brown	60					40	talus	moist	buck brush	ridge top
1234316	453201	6759962	1348	16-Sep-11	40-50	c	dark brown	30		30			40	talus	moist	buck brush	ridge top
1234317	453249	6759954	1336	16-Sep-11	50-60	c	light brown	20	10		10		60	talus	moist	deciduous	ridge top
1234318	453306	6759950	1342	16-Sep-11	50-60	c	light brown		15				85	talus	moist	buck brush	ridge top
1234319	453340	6759939	1346	16-Sep-11	30-40	c	light grey	15	10				75	talus	moist	buck brush	ridge top
1234320	453389	6759930	1346	16-Sep-11	30-40	c	light brown	10	15				75	talus	moist	buck brush	ridge top
1234321	453438	6759911	1347	16-Sep-11	20-30	c	light grey	40					60	talus	moist	buck brush	ridge top
1234322	453482	6759900	1343	16-Sep-11	20-30	c	light grey	10	5				85	talus	moist	buck brush	ridge top
1234323	453538	6759885	1337	16-Sep-11	30-40	c	light brown	10	10				80	talus	moist	buck brush	ridge top
1234324	453608	6759872	1325	16-Sep-11	20-30	c	dark brown	50					50	talus	moist	buck brush	ridge top
1234325	453640	6759858	1318	16-Sep-11	20-30	c	white	50					50	talus	moist	buck brush	ridge top
1234326	453681	6759848	1308	16-Sep-11	0-10	c	light brown	40					60	talus	moist	buck brush	ridge top
1234327	453733	6759832	1300	16-Sep-11	0-10	c	light grey	30					70	talus	moist	buck brush	ridge top
1234328	453788	6759853	1287	16-Sep-11	40-50	c	dark brown	40					60	talus	moist	buck brush	ridge top
1234329	453832	6759856	1280	16-Sep-11	30-40	c	light brown	5	10		10		75	talus	moist	buck brush	ridge top
1234330	453872	6759862	1272	16-Sep-11	40-50	c	light brown		30				70	talus	moist	buck brush	ridge top
1234331	453937	6759874	1262	16-Sep-11	20-30	c	light brown	20					80	talus	moist	evergreen	mid slope
1234332	453973	6759889	1252	16-Sep-11	0-10	c	light brown	10	20				70	talus	moist	evergreen	mid slope
1234333	454024	6759893	1235	16-Sep-11	20-30	c	light brown	15	10		10		65	talus	moist	evergreen	mid slope
1234334	454074	6759914	1219	16-Sep-11	20-30	c	ash	40					60	talus	moist	evergreen	mid slope
1234335	454120	6759916	1214	16-Sep-11	10-20	c	light brown	10	20				70	talus	moist	evergreen	mid slope
1234336	454172	6759925	1209	16-Sep-11	30-40	c	ash	50					50	talus	moist	evergreen	mid slope
1234337	454223	6759937	1205	16-Sep-11	20-30	c	ash	50					50	talus	moist	evergreen	mid slope
1234338	454269	6759945	1203	16-Sep-11	20-30	c	light brown	10			20		70	talus	moist	evergreen	mid slope
1234339	454319	6759955	1195	16-Sep-11	20-30	c	light brown		20		30		50	talus	moist	evergreen	mid slope
1234340	454369	6759967	1192	16-Sep-11	30-40	c	light grey	10	30		10		50	talus	moist	evergreen	mid slope
1234341	454413	6759980	1191	16-Sep-11	30-40	c	dark brown		30		30		40	talus	moist	evergreen	mid slope
1234342	454464	6759989	1185	16-Sep-11	20-30	c	dark grey	50					50	talus	moist	evergreen	mid slope
1234343	454516	6759997	1182	16-Sep-11	20-30	c	light brown	20			20		60	talus	moist	evergreen	mid slope
1234344	454562	6760004	1179	16-Sep-11	40-50	c	dark grey	50					50	talus	moist	evergreen	mid slope
1234345	454614	6759996	1172	16-Sep-11	40-50	c	dark grey	40	30				30	talus	moist	evergreen	mid slope
1234346	454665	6760018	1168	16-Sep-11	10-20	c	dark grey	50					50	talus	moist	evergreen	mid slope
1234347	454714	6760029	1162	16-Sep-11	20-30	c	dark brown	30					70	talus	moist	evergreen	mid slope
1234348	454763	6760038	1160	16-Sep-11	50-60	c	greenish grey	20					80	talus	moist	evergreen	mid slope
1234349	454812	6760049	1155	16-Sep-11	40-50	c	greenish grey	10	10				80	talus	moist	evergreen	mid slope
1234350	454856	6760065	1151	16-Sep-11	30-40	c	dark grey	10	30		30		30	talus	moist	evergreen	valley bottom
1234351	454911	6760062	1147	16-Sep-11	20-30	c	dark brown	70					30	talus	moist	evergreen	valley bottom
1234352	454966	6760077	1146	16-Sep-11	20-30	c	dark grey	20	20		30		30	talus	moist	evergreen	valley bottom
1234353	455053	6760104	1149	16-Sep-11	30-40	c	dark brown		10		20		70	talus	moist	evergreen	valley bottom
1234354	455109	6760101	1144	16-Sep-11	20-30	c	dark brown		10		30		60	talus	moist	evergreen	valley bottom
1234355	455150	6760104	1145	16-Sep-11	40-50	c	dark brown	15	5				80	talus	moist	evergreen	valley bottom
1234356	455202	6760105	1147	16-Sep-11	30-40	c	light brown		30	30			40	talus	moist	evergreen	valley bottom
1234357	455254	6760106	1149	16-Sep-11	30-40	c	greenish grey	10	20				70	talus	moist	evergreen	valley bottom
1234358	455304	6760106	1150	16-Sep-11	20-30	c	dark grey	15	20				65	talus	moist	evergreen	valley bottom
1234359	455358	6760107	1153	16-Sep-11	30-40	c	light grey	15					85	talus	moist	evergreen	valley bottom
1234360	455409	6760111	1156	16-Sep-11	30-40	c	dark brown	5	15				85	talus	moist	evergreen	valley bottom

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1234361	455457	6760114	1153	16-Sep-11	20-30	c	dark brown	10	15				75	talus	moist	evergreen	valley bottom
1234362	455503	6760110	1147	16-Sep-11	30-40	c	light brown	5	10				85	talus	moist	evergreen	valley bottom
1234401	453938	6755763	1220	16-Sep-11	30-40	c	light grey	15					85	weathered bedrock	moist	evergreen	mid slope
1234402	454012	6755692	1201	16-Sep-11	40-50	c	light grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1234403	454100	6755634	1190	16-Sep-11	30-40	c	dark brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1234404	454173	6755578	1174	16-Sep-11	30-40	c	dark brown	15	5				80	weathered bedrock	moist	evergreen	mid slope
1234405	454371	6755514	1113	16-Sep-11	50-60	c	light brown	5	15				80	talus	moist	evergreen	mid slope
1234406	454467	6755483	1102	16-Sep-11	40-50	c	dark brown	15					85	weathered bedrock	moist	evergreen	mid slope
1234407	454552	6755451	1083	16-Sep-11	50-60	c	light brown	5					95	weathered bedrock	moist	evergreen	mid slope
1234408	454654	6755417	1069	16-Sep-11	40-50	c	dark grey	15	15				70	weathered bedrock	moist	evergreen	mid slope
1234409	454751	6755388	1058	16-Sep-11	60-70	c	dark grey	15	10				75	weathered bedrock	moist	evergreen	mid slope
1234410	454849	6755364	1047	16-Sep-11	40-50	c	dark grey		10				90	weathered bedrock	moist	evergreen	mid slope
1234411	454938	6755333	1033	16-Sep-11	60-70	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1234412	455036	6755306	1029	16-Sep-11	40-50	c	dark grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1234413	455133	6755295	1015	16-Sep-11	40-50	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1234414	455226	6755305	1016	16-Sep-11	40-50	c	dark grey	15					85	weathered bedrock	moist	evergreen	mid slope
1234415	455333	6755316	994	16-Sep-11	60-70	c	dark grey	20					80	weathered bedrock	moist	evergreen	mid slope
1234416	448243	6756532	1659	17-Sep-11	20-30	c	light brown	10	10				80	talus	moist	alpine	ridge top
1234417	448325	6756471	1639	17-Sep-11	30-40	c	light brown	20					80	talus	moist	alpine	ridge top
1234418	448404	6756411	1629	17-Sep-11	30-40	c	dark brown	30					70	talus	moist	alpine	ridge top
1234419	448479	6756360	1614	17-Sep-11	30-40	c	light brown	25	10				65	talus	moist	alpine	ridge top
1234420	448558	6756291	1591	17-Sep-11	40-50	c	light brown							talus	moist	alpine	ridge top
1234421	448733	6756185	1482	17-Sep-11	40-50	c	light brown	15	10				75	talus	moist	alpine	ridge top
1234422	448819	6756129	1446	17-Sep-11	30-40	c	dark grey	15	5				80	talus	moist	evergreen	mid slope
1234423	448894	6756069	1418	17-Sep-11	30-40	c	dark grey	30					70	weathered bedrock	moist	evergreen	mid slope
1234424	448972	6756016	1388	17-Sep-11	40-50	c	dark brown	15	10				75	talus	moist	evergreen	mid slope
1234425	449056	6755954	1345	17-Sep-11	40-50	c	dark brown	30					70	weathered bedrock	moist	evergreen	mid slope
1234426	449143	6755902	1322	17-Sep-11	50-60	c	light brown	10	5				85	weathered bedrock	moist	evergreen	mid slope
1234427	449221	6755837	1304	17-Sep-11	50-60	c	light brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1234428	449278	6755753	1275	17-Sep-11	20-30	c	yellow-orange	5	5				90	weathered bedrock	moist	evergreen	mid slope
1234429	449327	6755664	1253	17-Sep-11	40-50	c	light grey	5	30				65	weathered bedrock	moist	evergreen	mid slope
1234430	449382	6755579	1216	17-Sep-11	40-50	c	light brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1234431	449430	6755494	1194	17-Sep-11	40-50	c	light brown	10	5				85	weathered bedrock	moist	evergreen	mid slope
1234432	449483	6755407	1180	17-Sep-11	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1234433	449536	6755329	1170	17-Sep-11	50-60	c	light brown	15	5				80	weathered bedrock	dry	evergreen	mid slope
1234434	449573	6755226	1157	17-Sep-11	40-50	c	light brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1234435	449582	6755130	1142	17-Sep-11	20-30	c	dark grey	25	10				65	weathered bedrock	moist	evergreen	mid slope
1234436	449586	6755026	1133	17-Sep-11	30-40	c	dark grey	15	15				70	weathered bedrock	moist	evergreen	mid slope
1234437	449603	6754934	1126	17-Sep-11	40-50	c	light brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1234438	449620	6754827	1110	17-Sep-11	40-50	c	light brown	15	10				75	weathered bedrock	moist	evergreen	mid slope
1234451	452819	6756507	1395	16-Sep-11	40-50	c	light brown		35				65	weathered bedrock	moist	evergreen	mid slope
1234452	452905	6756446	1376	16-Sep-11	40-50	c	light grey		15				85	weathered bedrock	moist	buck brush	mid slope
1234453	452988	6756394	1351	16-Sep-11	40-50	c	yellow-orange		20				80	weathered bedrock	moist	evergreen	mid slope
1234454	453078	6756343	1336	16-Sep-11	40-50	c	dark grey		10				90	weathered bedrock	moist	evergreen	mid slope
1234455	453162	6756281	1315	16-Sep-11	40-50	c	light grey	5					95	weathered bedrock	moist	evergreen	mid slope
1234456	453243	6756236	1299	16-Sep-11	40-50	c	dark grey	10					90	loess - organic rich	moist	evergreen	mid slope
1234457	453332	6756176	1286	16-Sep-11	30-40	c	dark grey	10					90	weathered bedrock	moist	evergreen	mid slope
1234458	453410	6756132	1267	16-Sep-11	40-50	c	dark grey		10				90	weathered bedrock	moist	evergreen	mid slope
1234459	453499	6756075	1258	16-Sep-11	40-50	c	light grey		40				60	weathered bedrock	wet	evergreen	mid slope
1234460	453583	6756025	1256	16-Sep-11	30-40	c	light grey		10				90	weathered bedrock	moist	evergreen	mid slope
1234461	453669	6755975	1245	16-Sep-11	40-50	c	light grey		10				90	weathered bedrock	moist	evergreen	mid slope
1234462	453749	6755911	1238	16-Sep-11	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Sample Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1234463	453826	6755846	1224	16-Sep-11	30-40	c	light grey	10	15				75	weathered bedrock	moist	evergreen	mid slope
1234464	453907	6755789	1222	16-Sep-11	40-50	c	light grey						100	weathered bedrock	moist	evergreen	mid slope
1234465	453982	6755728	1209	16-Sep-11	30-40	c	light brown		15				85	weathered bedrock	moist	evergreen	mid slope
1234466	454058	6755661	1177	16-Sep-11	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope
1234468	454315	6755522	1134	16-Sep-11	>80	a/b	dark brown	65					35	loess - organic rich	moist	evergreen	mid slope
1234469	454421	6755503	1107	16-Sep-11	50-60	c	light grey		25				75	weathered bedrock	moist	evergreen	mid slope
1234470	454509	6755473	1083	16-Sep-11	40-50	c	light grey	10	15				75	weathered bedrock	moist	evergreen	mid slope
1234471	454606	6755461	1075	16-Sep-11	40-50	c	light grey		10				90	weathered bedrock	moist	evergreen	mid slope
1234472	454708	6755409	1057	16-Sep-11	50-60	c	light grey		40				60	weathered bedrock	moist	evergreen	mid slope
1234473	454800	6755371	1053	16-Sep-11	50-60	c	light grey		20				80	weathered bedrock	moist	evergreen	mid slope
1234474	454895	6755347	1034	16-Sep-11	50-60	c	light brown		5				95	weathered bedrock	moist	evergreen	valley bottom
1234475	454991	6755316	1027	16-Sep-11	40-50	c	light grey		10				90	weathered bedrock	moist	evergreen	valley bottom
1234476	455085	6755297	1017	16-Sep-11	40-50	c	white						100	weathered bedrock	moist	evergreen	valley bottom
1234477	455184	6755302	1011	16-Sep-11	50-60	c	light grey		10				90	weathered bedrock	moist	evergreen	valley bottom
1234478	455284	6755305	998	16-Sep-11	60-70	c	dark grey				30	40	30	weathered bedrock	moist	evergreen	valley bottom
1234479	448212	6756563	1660	17-Sep-11	30-40	c	light brown	5	10				85	talus	moist	alpine	ridge top
1234480	448374	6756439	1632	17-Sep-11	60-70	c	light grey	10	5				85	talus	moist	alpine	ridge top
1234481	448442	6756375	1619	17-Sep-11	30-40	c	light brown	20					80	talus	moist	alpine	ridge top
1234482	448524	6756315	1600	17-Sep-11	10-20	a/b	dark brown	50					50	talus	dry	alpine	mid slope
1234483	448688	6756207	1509	17-Sep-11	50-60	c	light brown	30					70	talus	dry	buck brush	mid slope
1234484	448766	6756159	1468	17-Sep-11	20-30	b/c	ash (saltandpepper)	30					70	talus	moist	evergreen	mid slope
1234485	448862	6756084	1430	17-Sep-11	20-30	c	dark brown	50					50	talus	moist	evergreen	mid slope
1234486	448947	6756041	1404	17-Sep-11	10-20	a/b	dark brown	65					35	talus	dry	evergreen	mid slope
1234487	449025	6755986	1357	17-Sep-11	10-20	a/b	ash (saltandpepper)	65					35	talus	dry	evergreen	mid slope
1234488	449108	6755918	1323	17-Sep-11	10-20	b?	ash (saltandpepper)	40					60	talus	moist	evergreen	mid slope
1234489	449188	6755868	1305	17-Sep-11	30-40	c	dark brown	15					85	talus	moist	evergreen	mid slope
1234490	449251	6755782	1277	17-Sep-11	20-30	b	dark brown	60					40	talus	moist	evergreen	mid slope
1234491	449301	6755699	1252	17-Sep-11	40-50	c	light brown	10					90	weathered bedrock	moist	evergreen	mid slope
1234492	449352	6755620	1238	17-Sep-11	30-40	c	light brown	15					85	talus	dry	evergreen	mid slope
1234493	449402	6755529	1213	17-Sep-11	30-40	c	light brown	10	5				85	talus	moist	evergreen	mid slope
1234494	449460	6755452	1193	17-Sep-11	30-40	c	light brown	15	10				75	talus	moist	evergreen	mid slope
1234495	449508	6755363	1172	17-Sep-11	30-40	c	dark brown		25				75	weathered bedrock	moist	evergreen	mid slope
1234496	449564	6755275	1160	17-Sep-11	20-30	b/c	ash (saltandpepper)	30	10				60	talus	moist	evergreen	mid slope
1234497	449562	6755179	1145	17-Sep-11	30-40	c	light brown			35	10	10	45	weathered bedrock	moist	evergreen	mid slope
1234498	449582	6755081	1139	17-Sep-11	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen	mid slope
1234499	449602	6754982	1124	17-Sep-11	40-50	c	light grey		15				85	weathered bedrock	moist	evergreen	valley bottom
1234500	449602	6754881	1108	17-Sep-11	no data	c								weathered bedrock	moist	evergreen	valley bottom

Appendix II: Silt Sample Descriptions

Silt Sample Descriptions

UTM NAD83 Zone 9

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Environment	Medium	Medium depth (m)	Medium width (m)	Bank type	Water colour
1220696	449559	6755895	1238	15-Sep-11	valley bottom	creek	0.4	1.3	alpine, evergreen	clear
1220697	451225	6761493	1384	16-Sep-11	mid slop	creek	0.2	0.5	talus, organics	clear
1220698	451703	6755867	1274	17-Sep-11	valley bottom	creek	0.3	1	organics	clear

Appendix III: Rock Sample Descriptions

Rock Sample Descriptions

UTM NAD83 Zone 9

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 Taken	Description
1222756	447791	6756881	1628	14-Sep-11	Boulder train EW (down slope) on west face (56,57,58 from same place). Sample is mostly QV with oxidation and epidote. Hoseted by metasediment.
1222757	447791	6756881	1626	14-Sep-11	Attached to QV, metasediment with heavy metallics.
1222758	447791	6756881	1627	14-Sep-11	QV with minor cpy and py. Did not trace boulders up hill.
1222759	447884	6756384	1595	14-Sep-11	Subcrop. Qtz vein, weathered. Smokey qtz within with fresh py, rust. Alongside 15x20m rusted talus area.
1222760	447919	6756362	1581	14-Sep-11	Boulder runoff but originates just up hill. Similar to 756 zone, only sampled rusty qtz this time (minor malachite?). Seds this time but suspect NS trend.
1222761	447963	6756319	1575	14-Sep-11	Boulder runoff, metasediments, mica schist.
1222762	448086	6756188	1549	14-Sep-11	Boulder runoff, metaseds, minor foliation, minor schistosity, recrystallized qtz crystals.
1222763	447577	6758237	1963	15-Sep-11	EW fault. 3m gouge with QV stockwork into ultramafic acidic halo, lots of rust, no visible sulphides.
1222764	448896	6751636	1426	15-Sep-11	Serpentinite, well rusted also with stockwork.
1222765	448896	6751636	1428	15-Sep-11	QV rusty with olive green staining
1222766	449873	6761564	1540	15-Sep-11	Large cluster of boulders, smooth rolling ridge top, ultramafic + py.

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Description
1222767	451447	6761617	1330	15-Sep-11	Subcrop "red zone", red lichen: looked like gossan across the way, ultramafics. Red zone widespread and also on otherside of gorge. Climbed to source of rouge
1222768	455107	6755010	1025	17-Sep-11	Frost heave, thin metased (slate) with good hematite alteration.
1222769	454823	6754700	1025	17-Sep-11	Outcrop: seds. Well rusted with emdedded 3 inch qtz somewhat rusted. Minimal schistosity almost graphitic, thin beds dipping 108E Az.
1222770	454792	6754708	1022	17-Sep-11	Rubble, 1x1ft qtz boulder in small stream, "well rusted" - rainbow colours, good schistosity attached OC. Either side of creek, 20m wide. Creek head striking coarsely SW 220 degs T. 23m away from large bull qtz boulder.
1222771	454613	6754671	1042	17-Sep-11	QV in in situ near flat lying seds. Orpiment? Rust, hematite possible fuchsite alterations. Seds are also rusty and have hematite staining. Strong sulfur odor.
1224390	449194	6757231	1542	14-Sep-11	6x1m QV sticking 1m high out of ground with no surrounding OC. QV is likely OC. Smells strongly of sulfur when broken open, some rusty seams, No visible sulphides. Some possible remnant sulphides.
1224391	449567	6756896	1502	14-Sep-11	Recrystallized 8cm QV in schist, mixed up with wallrock. Rusty with 1cm rusted out vugs in a flat schist OC.
1224392	449613	6756885	1496	14-Sep-11	Semi flat-lying subcrop. Vein stockwork in schist. 0.5-2cm QVs, rusty, in schist. In a fault trench.
1224393	449692	6756840	1494	15-Sep-11	Natural trench, OC. NE SW. 1-2m large rusty QV in the side of trench with qtz talus trailing to bottom of trench (see photo). Sample is of QV, host is schist. One 0.8cm red-orange rusty vug maybe orpiment or realgar. NVS, but smells strongly of sulfur when broken.
1224394	450000	6756361	1402	15-Sep-11	Qtz stockwork in schist with red hematitic veining.
1224395	450648	6761933	1444	16-Sep-11	Ultramafic, dk green and blk with massive texture. Sampled this because of yellow sulfurish and red weathering on surface, but looks fairly plain on fresh broken surface. Massive, aphanitic.
1224396	452679	6756276	1373	17-Sep-11	In natural fault trench with schist outcrops. Quartz talus, rusty, smells of sulfur, some chlorite seams with potential sulphides.
1224397	452772	6756460	1395	17-Sep-11	Weathered ultramafic talus. Rusty grains, probably just weathered.

Appendix IV: Soil and Silt Sample Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Goldspike Exploration Inc.

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

Submitted By: Bruce Durham

Receiving Lab: Canada-Whitehorse

Received: September 19, 2011

Report Date: November 16, 2011

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI11001862.1

CLIENT JOB INFORMATION

Project: LOT - BER
Shipment ID: BER+LOTsoils(1-10)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

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

CC: Daniel Ferraro
Robert Middleton

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	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

2 of 12

Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223551	Soil																							
1223552	Soil																							
1223553	Soil																							
1223554	Soil																							
1223555	Soil																							
1223556	Soil																							
1223557	Soil																							
1223558	Soil																							
1223559	Soil																							
1223560	Soil																							
1223561	Soil																							
1223562	Soil																							
1223563	Soil																							
1223564	Soil																							
1223565	Soil																							
1223566	Soil																							
1223567	Soil																							
1223568	Soil																							
1223569	Soil																							
1223570	Soil																							
1223571	Soil																							
1223572	Soil																							
1223573	Soil																							
1223574	Soil																							
1223575	Soil																							
1223576	Soil																							
1223577	Soil																							
1223578	Soil																							
1223579	Soil																							
1223580	Soil																							



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

2 of 12

Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223551	Soil	65	0.52	102	0.057	2	1.76	0.008	0.16	0.4	0.05	2.2	0.3	<0.05	7	0.7	<0.2
1223552	Soil	17	0.15	43	0.099	1	0.60	0.003	0.14	<0.1	0.02	1.1	0.2	<0.05	6	<0.5	<0.2
1223553	Soil	54	0.35	61	0.074	1	1.41	0.005	0.14	0.3	0.03	2.0	0.2	<0.05	7	0.6	<0.2
1223554	Soil	179	1.31	201	0.106	2	2.17	0.014	0.13	<0.1	0.04	3.4	0.1	<0.05	6	<0.5	<0.2
1223555	Soil	109	0.93	157	0.154	1	2.38	0.009	0.24	0.7	0.04	4.8	0.3	<0.05	7	<0.5	<0.2
1223556	Soil	120	0.59	128	0.155	2	1.25	0.013	0.27	0.7	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
1223557	Soil	72	0.45	85	0.070	2	1.50	0.009	0.17	0.3	0.03	2.1	0.2	<0.05	7	0.6	<0.2
1223558	Soil	196	1.28	131	0.150	2	3.53	0.020	0.17	1.7	0.04	5.6	0.2	<0.05	7	<0.5	<0.2
1223559	Soil	142	0.71	80	0.123	1	1.65	0.014	0.15	1.7	0.04	3.3	0.3	<0.05	8	0.7	<0.2
1223560	Soil	72	0.93	192	0.176	2	2.90	0.008	0.39	6.3	0.04	8.5	0.4	<0.05	10	0.7	<0.2
1223561	Soil	164	1.38	267	0.134	2	2.77	0.016	0.21	5.0	0.14	9.7	0.5	<0.05	9	1.3	<0.2
1223562	Soil	90	0.71	85	0.178	1	1.46	0.018	0.08	1.5	0.02	3.9	0.1	<0.05	9	<0.5	<0.2
1223563	Soil	53	0.38	126	0.035	2	1.35	0.021	0.06	5.2	0.23	2.8	0.1	<0.05	5	0.8	<0.2
1223564	Soil	91	0.70	106	0.148	1	1.89	0.013	0.11	7.5	0.04	4.4	0.2	<0.05	9	0.8	<0.2
1223565	Soil	21	0.11	37	0.150	1	0.55	0.013	0.03	1.6	0.02	1.1	<0.1	<0.05	6	<0.5	<0.2
1223566	Soil	86	0.84	83	0.074	2	2.54	0.015	0.11	5.8	0.05	4.1	0.3	<0.05	7	1.0	<0.2
1223567	Soil	87	0.71	71	0.118	<1	2.25	0.014	0.09	7.3	0.03	4.7	0.2	<0.05	8	0.8	<0.2
1223568	Soil	108	1.02	149	0.089	1	3.30	0.019	0.16	9.4	0.09	6.3	0.3	<0.05	7	0.7	<0.2
1223569	Soil	129	1.10	107	0.127	1	3.38	0.024	0.12	11.4	0.07	6.6	0.1	<0.05	7	1.2	<0.2
1223570	Soil	116	1.12	117	0.104	2	2.32	0.025	0.14	9.4	0.04	5.5	0.1	<0.05	7	1.0	<0.2
1223571	Soil	135	1.12	127	0.102	1	2.37	0.023	0.12	6.0	0.05	5.3	0.1	<0.05	6	1.1	<0.2
1223572	Soil	149	1.42	159	0.175	1	2.46	0.073	0.33	6.5	0.07	7.0	0.3	<0.05	6	0.7	<0.2
1223573	Soil	114	1.24	180	0.139	<1	2.14	0.064	0.19	5.8	0.05	6.6	0.2	<0.05	6	1.2	<0.2
1223574	Soil	93	0.81	103	0.117	<1	2.44	0.024	0.13	6.6	0.05	5.2	0.2	<0.05	6	0.9	<0.2
1223575	Soil	131	1.33	136	0.173	1	2.56	0.049	0.17	3.7	0.02	6.2	0.1	<0.05	6	0.7	<0.2
1223576	Soil	141	1.38	240	0.180	2	2.59	0.078	0.37	4.0	0.07	9.4	0.4	<0.05	7	1.6	<0.2
1223577	Soil	123	1.18	239	0.149	2	2.64	0.066	0.08	1.5	0.11	6.5	0.2	<0.05	6	1.4	<0.2
1223578	Soil	79	0.67	160	0.077	1	1.33	0.034	0.09	1.7	0.03	2.7	<0.1	<0.05	4	1.1	<0.2
1223579	Soil	63	0.17	30	0.121	<1	0.56	0.008	0.04	0.2	0.02	1.3	<0.1	<0.05	6	<0.5	<0.2
1223580	Soil	14	0.11	26	0.057	<1	0.25	0.022	0.04	0.3	0.03	1.0	<0.1	<0.05	2	<0.5	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

3 of 12

Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223581	Soil	0.7	51.2	8.3	52	<0.1	113.8	17.4	275	3.65	5.5	<0.5	3.0	8	0.1	0.3	0.1	77	0.24	0.022	8
1223582	Soil	0.5	9.8	6.8	28	<0.1	24.4	6.2	126	1.82	0.8	<0.5	1.8	6	<0.1	0.2	0.1	92	0.18	0.013	8
1223583	Soil	0.5	20.3	5.9	27	<0.1	30.5	7.7	135	1.74	1.1	3.5	1.4	5	<0.1	0.1	0.2	67	0.17	0.020	6
1223584	Soil	0.1	123.1	2.2	37	<0.1	56.0	16.6	270	2.23	2.0	3.3	1.1	14	<0.1	<0.1	<0.1	70	0.64	0.079	4
1223585	Soil	0.4	82.7	3.3	34	<0.1	56.3	13.3	240	1.89	3.0	1.0	1.2	15	<0.1	<0.1	<0.1	53	0.47	0.048	5
1223586	Soil	0.5	69.6	5.3	41	<0.1	94.4	15.9	326	2.32	3.4	3.1	2.4	19	<0.1	0.1	<0.1	58	0.54	0.053	9
1223587	Soil	0.6	7.9	9.2	89	<0.1	312.2	52.4	1138	4.98	43.4	2.4	3.0	5	0.4	1.3	0.2	40	0.03	0.032	15
1223588	Soil	0.7	10.3	10.2	61	<0.1	180.6	24.2	357	3.49	39.7	45.7	3.9	10	0.3	0.5	0.2	40	0.07	0.033	19
1223589	Soil	1.0	20.7	9.5	87	<0.1	154.8	19.0	440	4.11	94.4	73.0	5.1	14	0.3	0.6	0.2	62	0.13	0.059	15
1223590	Soil	0.7	16.7	7.9	56	0.2	358.3	20.5	361	2.82	261.3	10.6	2.2	19	0.1	0.9	0.2	37	0.19	0.045	15
1223591	Soil	0.5	17.2	9.3	90	0.3	378.2	19.1	612	3.13	466.8	48.6	1.9	34	0.5	1.1	0.2	38	0.40	0.146	14
1223592	Soil	0.8	38.9	11.8	82	0.6	250.7	18.8	484	3.99	429.7	11.9	4.1	22	0.2	1.1	0.3	58	0.23	0.088	59
1223593	Soil	0.7	28.9	12.1	87	0.7	78.2	10.0	300	2.62	144.3	1.9	2.4	30	0.7	0.6	0.2	59	0.32	0.086	54
1223594	Soil	1.1	22.3	8.3	80	0.2	93.9	12.4	308	2.80	31.7	3.8	3.5	16	0.3	0.4	0.2	52	0.14	0.047	18
1223595	Soil	1.2	14.2	6.0	56	0.3	89.4	11.1	254	1.89	16.3	1.7	1.5	16	0.4	0.3	0.1	39	0.16	0.042	12
1223596	Soil	1.8	25.6	9.9	74	0.3	117.6	12.0	239	2.67	14.5	3.0	4.4	24	0.3	0.6	0.2	48	0.28	0.085	21
1223597	Soil	15.8	59.6	17.9	74	0.8	104.6	7.7	208	3.01	27.6	11.2	4.2	34	0.4	2.4	0.2	81	0.05	0.033	14
1223598	Soil	0.7	7.7	5.1	13	0.6	18.5	1.6	36	0.57	4.2	0.8	0.1	7	0.2	0.1	<0.1	12	0.04	0.025	6
1223599	Soil	8.7	36.0	12.1	81	0.4	84.0	11.1	336	2.60	23.1	3.5	2.3	22	0.8	1.3	0.2	83	0.13	0.046	17
1223600	Soil	4.8	31.5	14.1	78	0.4	121.0	12.4	225	3.36	29.7	4.7	5.1	14	0.7	1.1	0.3	66	0.09	0.043	18
1227867	Soil	0.7	18.2	3.0	21	0.1	7.8	3.8	152	1.17	2.4	0.9	1.3	35	<0.1	0.2	<0.1	33	0.45	0.055	12
1227868	Soil	1.5	14.4	5.3	34	<0.1	10.6	6.5	279	1.94	4.3	3.1	5.8	23	<0.1	0.2	0.1	51	0.33	0.050	18
1227869	Soil	2.0	18.0	5.9	37	<0.1	11.3	7.4	339	2.16	5.1	1.5	8.0	31	0.1	0.3	0.1	57	0.41	0.051	24
1227870	Soil	0.8	9.0	3.9	28	<0.1	6.9	4.6	123	1.58	2.5	20.0	3.8	16	0.1	0.2	<0.1	48	0.21	0.034	8
1227871	Soil	0.8	16.3	5.2	41	<0.1	11.9	7.9	369	2.14	4.4	<0.5	5.1	27	0.2	0.4	0.1	58	0.35	0.048	12
1227872	Soil	0.9	25.2	6.3	42	0.2	14.1	9.6	442	2.36	5.2	1.6	5.8	63	0.3	0.5	0.1	57	0.86	0.075	29
1227873	Soil	0.5	14.1	5.3	35	<0.1	14.1	6.6	190	2.04	6.3	167.0	6.3	18	<0.1	0.3	0.1	53	0.28	0.035	12
1227874	Soil	2.6	64.7	3.9	68	0.3	41.9	8.0	234	1.87	11.2	2.7	4.0	54	0.4	0.7	0.1	57	0.75	0.059	21
1227875	Soil	3.4	49.8	4.6	85	0.6	29.0	7.5	341	1.80	13.1	4.1	1.0	35	0.3	0.8	0.4	84	0.39	0.083	10
1227876	Soil	2.2	40.9	6.9	117	0.5	39.2	15.4	645	2.59	25.3	3.0	1.6	30	1.1	1.5	0.4	88	0.26	0.066	13



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

3 of 12

Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223581	Soil	160	1.11	91	0.140	2	2.56	0.026	0.07	0.7	0.03	5.2	<0.1	<0.05	6	0.6	<0.2
1223582	Soil	56	0.51	39	0.153	<1	1.09	0.021	0.04	0.1	<0.01	2.8	<0.1	<0.05	8	<0.5	<0.2
1223583	Soil	64	0.57	53	0.133	<1	1.07	0.024	0.07	0.2	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
1223584	Soil	79	1.19	133	0.142	1	1.66	0.069	0.23	0.7	0.02	4.6	0.1	<0.05	5	<0.5	<0.2
1223585	Soil	85	0.88	126	0.115	<1	1.45	0.066	0.16	0.9	<0.01	3.8	0.1	<0.05	4	<0.5	<0.2
1223586	Soil	133	1.04	146	0.128	<1	1.67	0.058	0.14	0.8	0.02	4.6	0.1	<0.05	5	<0.5	<0.2
1223587	Soil	354	1.08	84	0.030	<1	0.91	0.005	0.02	0.3	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1223588	Soil	188	0.81	84	0.043	<1	1.26	0.008	0.04	0.4	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
1223589	Soil	146	1.24	143	0.081	<1	2.28	0.013	0.13	0.8	0.01	6.0	0.3	<0.05	8	<0.5	<0.2
1223590	Soil	166	1.02	105	0.027	<1	1.60	0.012	0.05	0.8	0.03	3.7	0.2	<0.05	5	0.5	<0.2
1223591	Soil	155	1.16	138	0.027	3	1.93	0.019	0.09	1.6	0.04	3.9	0.2	0.06	6	0.6	<0.2
1223592	Soil	131	1.29	178	0.048	3	2.60	0.017	0.20	1.1	0.05	8.1	0.4	0.05	8	0.8	<0.2
1223593	Soil	83	1.50	151	0.066	1	2.21	0.027	0.08	0.3	0.04	4.5	0.2	<0.05	7	1.1	<0.2
1223594	Soil	108	1.12	128	0.079	<1	1.90	0.017	0.14	0.3	<0.01	4.6	0.2	<0.05	7	<0.5	<0.2
1223595	Soil	102	0.88	97	0.050	<1	1.27	0.019	0.09	0.3	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
1223596	Soil	118	1.04	154	0.073	<1	1.71	0.022	0.14	0.3	0.03	4.8	0.3	<0.05	6	0.9	<0.2
1223597	Soil	117	1.01	114	0.062	1	1.95	0.020	0.10	0.5	0.03	4.3	0.8	0.07	7	2.9	<0.2
1223598	Soil	31	0.15	39	0.013	<1	0.38	0.020	0.04	0.3	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1223599	Soil	86	0.90	128	0.050	<1	1.75	0.016	0.10	0.4	0.03	3.5	0.5	<0.05	6	1.9	<0.2
1223600	Soil	138	0.92	88	0.074	<1	1.98	0.010	0.11	0.6	0.02	4.2	0.3	<0.05	6	1.1	<0.2
1227867	Soil	10	0.19	129	0.047	<1	0.66	0.037	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1227868	Soil	19	0.31	155	0.074	<1	1.03	0.016	0.06	0.6	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
1227869	Soil	21	0.37	213	0.095	<1	1.36	0.023	0.07	0.6	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
1227870	Soil	13	0.25	76	0.093	<1	0.78	0.024	0.06	0.3	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1227871	Soil	20	0.35	206	0.113	<1	1.24	0.022	0.08	0.3	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1227872	Soil	22	0.42	318	0.090	2	1.68	0.024	0.11	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
1227873	Soil	23	0.38	136	0.105	<1	1.25	0.017	0.07	0.3	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1227874	Soil	29	0.33	259	0.088	<1	1.01	0.028	0.10	0.3	0.05	2.9	0.1	0.06	4	1.3	<0.2
1227875	Soil	42	0.37	120	0.068	<1	1.20	0.026	0.07	0.2	0.04	2.8	0.1	<0.05	5	1.8	<0.2
1227876	Soil	48	0.44	165	0.089	1	1.41	0.020	0.13	0.2	0.02	3.4	0.2	<0.05	5	1.0	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 4 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1227877	Soil	1.2	20.8	6.0	79	0.9	23.5	8.8	242	2.16	12.1	1.2	2.6	26	0.6	0.8	0.4	62	0.33	0.064	13
1227878	Soil	0.7	32.4	3.5	56	0.4	17.7	7.0	397	1.55	9.0	0.9	1.3	48	1.3	0.9	<0.1	46	0.59	0.071	6
1227879	Soil	1.1	12.8	5.4	51	0.7	16.0	6.9	252	1.96	11.5	1.0	1.8	22	0.5	0.6	0.2	62	0.25	0.038	9
1227880	Soil	1.0	22.2	3.5	62	0.8	25.0	5.7	192	1.46	21.9	7.6	0.7	20	0.3	1.0	0.2	53	0.24	0.058	4
1227881	Soil	3.5	40.7	14.4	92	0.1	70.4	12.1	299	3.29	5.2	2.1	6.6	22	0.2	0.3	0.4	68	0.06	0.026	27
1227882	Soil	2.0	35.1	12.1	77	0.4	58.7	12.4	258	3.11	8.7	2.2	5.1	18	0.2	0.5	0.3	46	0.06	0.048	22
1227883	Soil	0.9	39.5	14.1	121	0.7	68.8	8.1	173	2.58	4.0	9.4	3.8	13	0.5	0.3	0.2	80	0.12	0.060	20
1227884	Soil	0.7	24.4	7.6	90	0.1	64.2	7.1	226	2.58	3.0	1.6	2.6	8	0.2	0.3	0.2	87	0.07	0.037	18
1227885	Soil	0.4	31.8	6.8	65	0.6	37.6	5.7	162	1.49	1.6	2.4	1.6	30	0.2	0.3	0.1	46	0.44	0.043	15
1227886	Soil	0.9	36.0	8.9	93	0.9	56.6	9.5	347	2.06	3.7	2.7	2.1	32	0.3	0.3	0.1	61	0.55	0.058	16
1227887	Soil	2.0	80.3	9.1	127	1.3	64.2	10.8	555	2.26	3.7	4.1	2.5	46	2.4	0.5	0.2	65	0.90	0.051	21
1227888	Soil	4.1	91.5	10.5	134	0.9	97.7	12.7	393	2.37	5.6	5.2	4.2	49	2.0	0.8	0.2	70	0.73	0.040	20
1227889	Soil	2.2	19.1	11.1	120	0.6	46.6	5.7	235	1.83	2.4	1.4	2.0	8	2.0	0.8	0.2	98	0.06	0.027	8
1227890	Soil	2.1	55.5	8.3	118	1.0	72.1	11.4	459	2.19	4.4	1.8	2.8	36	2.7	0.8	0.2	70	0.55	0.056	15
1227891	Soil	2.2	31.0	9.7	117	0.1	53.0	5.8	457	1.99	3.4	<0.5	2.9	11	0.5	0.6	0.2	109	0.08	0.030	10
1227892	Soil	3.8	23.8	10.1	100	0.6	53.7	7.3	301	2.09	3.0	2.8	2.3	22	0.8	0.6	0.3	71	0.29	0.031	11
1227893	Soil	1.6	15.2	5.5	38	0.5	28.0	2.9	172	0.95	2.0	1.1	1.0	14	0.3	0.3	0.2	36	0.16	0.023	7
1227894	Soil	1.9	13.1	10.7	112	0.4	48.9	6.9	192	2.57	5.7	3.9	3.3	9	1.4	0.6	0.3	70	0.05	0.027	11
1227895	Soil	5.8	80.9	13.9	30	4.2	44.5	21.1	1053	2.12	29.9	4.7	1.7	68	2.5	1.0	0.8	19	1.42	0.145	60
1227896	Soil	3.0	18.5	13.3	66	0.3	54.2	9.2	177	3.82	14.6	1.5	5.3	11	0.3	1.0	0.4	62	0.04	0.050	12
1227897	Soil	2.1	10.4	9.1	46	0.2	51.9	6.5	131	1.69	12.7	1.5	2.9	10	0.3	0.6	0.2	51	0.07	0.015	10
1227898	Soil	3.6	137.2	13.7	136	1.3	158.3	13.4	411	2.40	10.9	5.9	2.3	44	4.5	1.0	0.3	59	0.95	0.076	59
1227899	Soil	3.4	86.8	12.0	137	1.1	127.7	12.4	376	2.13	10.6	4.4	1.7	45	4.0	0.9	0.2	56	1.00	0.066	41
1227900	Soil	2.7	98.8	10.4	101	1.7	119.6	10.3	225	2.07	9.0	9.2	1.5	44	3.5	1.3	0.3	48	0.97	0.093	62
1227951	Soil	0.6	4.8	5.9	21	0.3	21.6	3.2	79	0.79	3.8	0.8	3.2	7	0.2	0.5	0.1	23	0.09	0.020	14
1227952	Soil	0.8	5.6	8.4	27	<0.1	37.5	5.6	118	1.12	6.0	0.8	2.7	9	0.2	0.6	0.1	29	0.10	0.015	12
1227953	Soil	1.6	12.9	8.6	48	0.1	75.6	11.0	210	2.26	8.0	1.1	2.8	9	0.2	1.0	0.1	43	0.13	0.015	11
1227954	Soil	1.7	11.0	7.1	58	0.2	52.8	9.2	198	2.32	7.2	0.9	2.7	7	0.3	0.9	0.1	42	0.09	0.021	11
1227955	Soil	1.5	10.9	9.6	42	<0.1	37.0	6.8	174	2.00	5.0	7.3	3.3	10	0.1	0.5	0.1	32	0.10	0.022	12
1227956	Soil	3.4	40.3	5.5	70	0.2	89.1	18.5	513	4.67	24.4	2.4	2.2	10	<0.1	1.3	0.1	117	0.11	0.039	9



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

4 of 12

Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1227877	Soil	35	0.44	115	0.093	<1	1.24	0.018	0.10	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1227878	Soil	24	0.26	216	0.061	1	0.82	0.043	0.07	0.2	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1227879	Soil	28	0.33	93	0.083	<1	0.99	0.016	0.06	0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1227880	Soil	25	0.25	113	0.056	<1	0.89	0.039	0.09	0.1	0.05	2.6	0.1	<0.05	3	0.7	<0.2
1227881	Soil	80	1.04	162	0.101	<1	2.50	0.017	0.28	0.2	<0.01	5.7	0.4	<0.05	8	0.7	<0.2
1227882	Soil	77	0.79	73	0.040	<1	2.52	0.013	0.08	0.2	0.03	3.0	0.2	<0.05	7	0.5	<0.2
1227883	Soil	114	1.52	258	0.148	<1	2.85	0.012	0.35	0.2	0.03	8.2	0.2	<0.05	10	1.1	<0.2
1227884	Soil	147	1.59	124	0.187	<1	2.13	0.013	0.22	0.2	<0.01	6.0	0.1	<0.05	13	0.6	<0.2
1227885	Soil	61	1.24	205	0.095	<1	1.95	0.030	0.09	0.1	0.02	4.0	0.1	<0.05	7	1.4	<0.2
1227886	Soil	92	1.76	204	0.119	<1	2.57	0.030	0.07	0.2	0.02	5.5	0.1	<0.05	8	1.7	<0.2
1227887	Soil	82	1.94	192	0.124	<1	2.76	0.063	0.12	0.2	0.03	6.3	0.3	<0.05	8	1.9	<0.2
1227888	Soil	93	1.63	201	0.118	<1	2.43	0.082	0.18	0.2	0.02	6.0	0.3	<0.05	8	2.1	<0.2
1227889	Soil	76	0.93	84	0.099	2	1.63	0.010	0.04	0.2	0.03	3.6	<0.1	<0.05	10	1.0	<0.2
1227890	Soil	70	1.33	190	0.082	2	2.12	0.032	0.12	0.3	0.03	4.7	0.2	0.05	7	3.0	<0.2
1227891	Soil	82	1.51	123	0.139	1	1.91	0.014	0.15	0.2	0.02	6.2	0.1	0.05	12	1.6	<0.2
1227892	Soil	70	0.98	138	0.087	2	1.65	0.010	0.07	0.3	0.02	3.7	<0.1	<0.05	8	2.0	<0.2
1227893	Soil	38	0.51	67	0.048	<1	0.82	0.014	0.06	0.2	0.02	1.9	<0.1	<0.05	5	1.3	<0.2
1227894	Soil	80	0.71	106	0.068	<1	1.42	0.008	0.06	0.4	0.01	2.9	<0.1	<0.05	8	0.6	<0.2
1227895	Soil	20	0.20	178	0.013	2	1.89	0.016	0.04	0.1	0.10	2.0	0.2	0.11	3	7.8	<0.2
1227896	Soil	65	0.58	86	0.039	1	2.17	0.005	0.04	0.4	0.04	2.3	<0.1	<0.05	9	0.8	<0.2
1227897	Soil	79	0.65	75	0.045	1	1.30	0.004	0.05	0.2	<0.01	2.8	0.1	<0.05	6	<0.5	<0.2
1227898	Soil	75	0.96	153	0.028	1	2.23	0.021	0.07	0.1	0.05	3.4	0.2	<0.05	6	3.8	<0.2
1227899	Soil	73	0.98	170	0.030	2	1.85	0.021	0.08	0.2	0.04	2.9	0.2	<0.05	5	3.7	<0.2
1227900	Soil	70	0.81	192	0.022	2	1.77	0.015	0.08	0.1	0.06	2.4	0.2	0.10	5	3.8	<0.2
1227951	Soil	46	0.31	78	0.026	2	0.71	0.009	0.04	0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1227952	Soil	64	0.54	111	0.029	1	0.82	0.004	0.05	0.2	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1227953	Soil	114	1.04	130	0.025	<1	1.34	0.005	0.09	0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1227954	Soil	99	0.94	95	0.027	<1	1.36	0.007	0.07	0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
1227955	Soil	58	0.77	124	0.021	1	1.34	0.006	0.07	0.2	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1227956	Soil	115	1.49	342	0.015	2	2.30	0.005	0.08	<0.1	0.02	8.0	<0.1	<0.05	8	1.1	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

5 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1227957	Soil	1.5	25.2	10.2	48	0.1	86.8	10.8	212	2.31	6.5	2.6	4.2	8	0.2	0.7	0.2	43	0.12	0.025	13
1227958	Soil	2.4	16.0	7.8	50	0.1	46.0	7.5	150	1.88	5.9	2.1	3.1	9	0.1	0.8	0.1	30	0.11	0.015	14
1227959	Soil	2.4	12.3	9.7	45	<0.1	29.9	5.9	142	1.88	6.1	2.2	3.4	8	0.2	0.7	0.1	27	0.09	0.016	14
1227960	Soil	1.6	6.3	7.7	31	<0.1	17.3	3.8	103	1.04	3.9	2.0	2.5	6	0.1	0.5	0.1	23	0.07	0.017	14
1227961	Soil	1.3	15.3	10.9	48	0.5	32.3	6.0	178	1.65	4.7	0.8	1.3	9	0.3	0.5	0.2	29	0.08	0.038	11
1227962	Soil	1.3	7.8	8.8	36	0.1	18.7	4.4	136	1.48	3.9	2.5	3.4	7	0.2	0.4	0.2	25	0.08	0.014	15
1227963	Soil	1.9	15.1	10.0	48	0.2	43.9	8.0	194	2.34	7.5	2.7	3.9	7	0.1	0.8	0.2	28	0.07	0.023	14
1227964	Soil	1.7	11.8	9.9	47	0.2	34.7	6.2	187	2.23	6.1	8.3	3.4	7	<0.1	0.7	0.2	31	0.08	0.022	14
1227965	Soil	2.4	43.1	18.9	82	0.6	84.5	11.0	407	2.63	13.5	4.7	7.4	26	0.3	1.4	0.2	28	0.57	0.055	24
1227966	Soil	1.9	19.7	10.5	85	0.5	37.4	7.1	212	2.41	7.8	3.2	4.4	9	0.3	0.8	0.2	31	0.10	0.018	14
1227967	Soil	2.0	10.1	18.9	81	0.3	21.8	5.9	169	2.43	6.6	3.8	5.1	6	0.3	0.6	0.2	29	0.06	0.019	19
1227968	Soil	1.6	10.3	28.7	111	0.2	22.6	4.8	155	2.30	7.7	3.4	4.5	6	0.5	0.9	0.2	29	0.06	0.019	18
1227969	Soil	0.8	3.5	10.5	31	<0.1	12.4	2.6	96	0.81	4.4	2.7	3.8	7	0.1	0.4	0.2	20	0.07	0.008	22
1227970	Soil	0.6	5.3	20.8	59	0.1	17.3	3.5	134	1.26	7.0	4.0	4.7	9	0.2	0.7	0.1	21	0.12	0.011	21
1227971	Soil	1.1	3.8	22.0	37	<0.1	10.2	2.9	139	0.98	33.0	2.4	3.8	7	0.2	0.9	0.2	20	0.07	0.011	22
1227972	Soil	1.0	6.1	22.5	50	<0.1	15.7	4.3	142	1.68	10.9	2.7	4.9	8	0.2	1.1	0.2	26	0.08	0.010	19
1227973	Soil	0.8	5.1	16.8	38	0.3	9.5	2.8	104	1.14	4.6	1.6	4.4	6	0.1	0.7	0.2	27	0.05	0.012	16
1227974	Soil	1.1	10.6	14.4	69	0.2	22.2	5.1	170	2.39	6.2	2.6	4.6	8	0.2	1.0	0.2	30	0.07	0.022	15
1227975	Soil	0.8	9.8	29.6	40	0.6	12.0	2.9	84	1.05	2.8	2.9	4.0	8	<0.1	0.7	0.2	20	0.06	0.012	16
1227976	Soil	0.5	1.9	8.8	22	<0.1	1.5	0.8	30	0.35	0.5	<0.5	2.5	4	<0.1	0.5	<0.1	8	0.03	0.013	24
1227977	Soil	0.4	2.8	11.0	17	<0.1	4.7	1.1	35	0.47	0.9	1.4	1.8	4	<0.1	0.3	<0.1	11	0.04	0.015	11
1227978	Soil	0.9	11.1	17.1	82	<0.1	28.4	8.0	189	2.71	5.6	2.1	4.3	12	0.1	2.8	0.2	25	0.15	0.032	11
1227979	Soil	0.9	35.9	21.4	88	0.7	40.6	9.5	481	2.15	7.3	3.2	8.7	82	0.7	1.6	0.2	20	1.20	0.052	107
1227980	Soil	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.
1227981	Soil	1.8	43.0	13.8	141	0.9	70.3	12.6	746	2.27	9.6	3.6	3.7	70	1.3	1.2	0.2	25	1.03	0.047	18
1227982	Soil	1.1	38.5	11.6	86	0.9	48.6	7.8	451	1.75	7.2	5.4	1.5	83	1.5	1.4	0.2	18	1.29	0.066	15
1227983	Soil	0.6	17.6	8.7	79	0.5	20.4	4.7	459	1.18	2.5	1.4	1.4	67	2.1	0.6	0.2	13	0.85	0.039	7
1227984	Soil	1.4	29.5	12.8	55	0.4	91.1	13.1	458	2.12	7.8	2.9	5.6	43	0.3	0.7	0.3	28	0.56	0.030	13
1227985	Soil	0.4	12.0	11.8	36	<0.1	32.7	8.6	240	1.83	4.3	5.0	5.0	16	<0.1	0.3	0.2	26	0.17	0.018	10
1227986	Soil	1.9	7.8	11.8	38	<0.1	20.1	4.4	144	1.45	7.7	1.7	3.9	11	0.1	0.6	0.2	23	0.13	0.040	12



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

5 of 12

Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1227957	Soil	104	1.00	132	0.045	1	1.81	0.005	0.08	0.1	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
1227958	Soil	66	0.78	135	0.021	1	1.40	0.005	0.07	0.1	<0.01	2.3	<0.1	<0.05	4	0.5	<0.2
1227959	Soil	44	0.56	88	0.023	1	1.26	0.005	0.06	0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1227960	Soil	36	0.37	79	0.022	<1	0.88	0.005	0.05	<0.1	<0.01	1.5	<0.1	<0.05	4	0.5	<0.2
1227961	Soil	59	0.39	161	0.013	1	1.21	0.012	0.08	0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
1227962	Soil	34	0.40	83	0.030	2	1.07	0.004	0.06	0.1	<0.01	1.8	<0.1	<0.05	4	1.1	<0.2
1227963	Soil	61	0.69	85	0.027	1	1.33	0.009	0.07	0.1	<0.01	2.1	<0.1	<0.05	4	0.8	<0.2
1227964	Soil	55	0.70	71	0.031	1	1.25	0.008	0.08	0.2	<0.01	2.2	<0.1	<0.05	4	0.8	<0.2
1227965	Soil	72	0.98	205	0.020	2	1.38	0.007	0.11	0.1	0.08	3.3	0.1	<0.05	4	1.3	<0.2
1227966	Soil	51	0.70	90	0.035	1	1.37	0.005	0.07	0.2	<0.01	2.5	<0.1	<0.05	5	0.9	<0.2
1227967	Soil	34	0.58	86	0.018	2	1.61	0.007	0.07	0.2	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1227968	Soil	37	0.57	111	0.017	<1	1.43	0.009	0.07	0.1	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2
1227969	Soil	22	0.28	67	0.031	<1	0.71	0.004	0.05	0.1	<0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1227970	Soil	32	0.59	84	0.036	1	1.06	0.005	0.09	0.2	<0.01	1.5	0.1	<0.05	4	<0.5	<0.2
1227971	Soil	23	0.36	81	0.021	<1	0.90	0.005	0.10	0.1	<0.01	1.3	0.1	<0.05	4	<0.5	<0.2
1227972	Soil	36	0.59	75	0.039	<1	1.17	0.005	0.10	0.2	<0.01	1.6	0.1	<0.05	5	<0.5	<0.2
1227973	Soil	24	0.33	82	0.034	<1	0.99	0.003	0.07	0.1	<0.01	1.3	0.1	<0.05	5	<0.5	<0.2
1227974	Soil	40	0.71	107	0.034	<1	1.51	0.005	0.10	0.2	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
1227975	Soil	26	0.35	87	0.020	<1	1.17	0.010	0.09	0.1	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
1227976	Soil	7	0.08	27	0.009	<1	0.45	0.006	0.07	<0.1	<0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
1227977	Soil	13	0.11	40	0.014	1	0.52	0.013	0.06	0.1	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1227978	Soil	59	1.33	81	0.053	2	1.98	0.007	0.36	0.1	<0.01	2.8	0.3	<0.05	7	<0.5	<0.2
1227979	Soil	39	0.71	145	0.023	2	1.61	0.011	0.11	0.2	0.06	3.7	0.2	<0.05	4	0.8	<0.2
1227980	Soil	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.
1227981	Soil	41	0.69	167	0.023	2	1.28	0.007	0.11	0.1	0.04	2.8	<0.1	<0.05	4	0.7	<0.2
1227982	Soil	36	0.57	124	0.012	2	1.18	0.009	0.08	0.1	0.07	1.7	<0.1	0.08	3	2.9	<0.2
1227983	Soil	22	0.44	88	0.012	<1	0.88	0.011	0.06	<0.1	0.01	0.9	<0.1	0.05	3	1.7	<0.2
1227984	Soil	78	0.91	105	0.045	<1	1.12	0.012	0.11	0.3	0.03	2.2	0.1	<0.05	3	1.4	<0.2
1227985	Soil	47	0.53	76	0.065	<1	1.11	0.006	0.07	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1227986	Soil	33	0.42	56	0.039	<1	0.80	0.005	0.08	0.1	<0.01	1.1	<0.1	<0.05	4	0.6	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 6 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
1227987	Soil	0.5	55.6	11.7	50	0.9	65.7	8.1	381	1.48	7.4	4.2	1.3	147	0.8	1.6	0.2	15	2.23	0.099	18
1227988	Soil	0.9	23.0	12.9	49	0.2	59.7	9.3	292	1.80	5.3	3.0	6.5	32	0.3	0.5	0.2	26	0.51	0.066	14
1227989	Soil	1.6	39.2	15.5	78	0.3	96.9	13.7	1249	2.20	12.0	4.3	5.2	50	1.6	0.9	0.3	28	0.58	0.061	18
1227990	Soil	0.8	31.2	13.1	75	0.4	75.7	12.8	882	2.14	6.0	3.2	4.4	72	1.2	0.6	0.3	26	1.08	0.057	16
1227991	Soil	0.7	31.4	9.5	51	0.3	67.8	7.9	736	1.13	3.5	2.1	1.8	117	1.4	0.8	0.2	15	2.13	0.058	10
1227992	Soil	0.8	30.5	13.3	62	0.3	72.3	11.8	827	2.05	7.2	1.4	5.0	53	0.6	0.7	0.2	25	0.89	0.057	15
1227993	Soil	0.7	31.6	11.7	58	0.4	55.0	8.3	492	1.70	7.3	2.8	2.3	92	0.7	0.7	0.2	21	1.52	0.070	12
1227994	Soil	1.9	61.1	8.1	87	0.8	68.7	5.7	712	1.45	7.0	0.7	0.9	112	2.4	0.7	0.2	20	2.10	0.112	10
1227995	Soil	1.1	12.3	10.6	67	0.1	55.1	9.3	309	2.54	6.5	1.1	4.6	8	0.2	0.4	0.2	38	0.10	0.078	11
1227996	Soil	0.7	10.0	11.5	37	<0.1	37.2	6.5	168	2.06	6.4	1.3	4.7	9	<0.1	0.3	0.2	30	0.08	0.056	10
1227997	Soil	0.9	8.5	11.4	59	0.1	26.5	6.7	173	2.12	3.8	1.1	3.6	7	0.2	0.4	0.2	36	0.06	0.076	10
1227998	Soil	1.0	11.5	10.5	49	0.2	40.9	8.2	287	2.33	6.0	1.7	4.2	8	0.1	0.4	0.2	37	0.08	0.070	10
1227999	Soil	0.4	6.9	5.2	23	0.2	11.0	3.0	279	0.73	1.2	0.6	1.6	8	0.1	0.1	<0.1	16	0.04	0.040	5
1228000	Soil	0.7	7.1	6.7	42	0.2	27.9	5.3	134	1.70	3.0	<0.5	2.4	7	0.1	0.2	0.1	29	0.05	0.047	7
1228201	Soil	0.9	18.7	19.0	60	<0.1	7.2	11.5	507	3.30	8.8	1.6	3.4	20	0.1	0.9	0.2	52	0.18	0.027	16
1228202	Soil	0.9	23.1	14.6	46	0.2	16.4	9.7	257	3.04	14.9	15.5	6.2	15	0.1	0.9	0.3	59	0.15	0.036	12
1228203	Soil	0.6	8.7	7.4	35	<0.1	6.5	6.2	285	1.71	6.3	<0.5	2.9	14	0.1	0.4	0.1	41	0.18	0.026	9
1228204	Soil	1.2	20.8	11.3	60	0.2	17.2	9.1	350	2.95	34.4	7.0	3.2	19	0.2	0.9	0.2	72	0.16	0.024	9
1228205	Soil	1.2	14.1	7.2	38	<0.1	13.6	7.3	314	2.79	8.4	66.5	6.3	17	0.1	0.4	0.1	70	0.26	0.069	17
1228206	Soil	1.0	11.9	8.4	42	0.1	12.8	6.1	235	2.35	8.1	1.2	3.4	18	0.1	0.4	0.1	58	0.21	0.032	11
1228207	Soil	0.9	24.1	11.9	54	0.1	16.9	11.5	559	2.78	17.5	3.6	3.8	48	0.1	1.3	0.2	52	0.74	0.081	16
1228208	Soil	0.6	32.0	8.1	39	0.3	17.6	10.2	468	2.06	11.5	2.8	1.3	68	0.2	1.1	0.1	41	1.19	0.067	11
1228209	Soil	0.8	41.1	17.7	96	<0.1	86.6	26.6	542	4.96	68.5	2.6	9.3	21	0.2	4.4	0.3	75	0.41	0.068	42
1228210	Soil	1.1	21.1	8.5	67	0.3	16.9	9.9	396	2.67	7.1	2.7	1.9	22	0.6	0.5	0.1	64	0.22	0.049	9
1228211	Soil	1.9	37.2	13.2	97	0.8	26.9	7.6	232	3.60	25.6	2.3	3.9	13	0.3	2.8	0.2	77	0.12	0.056	14
1228212	Soil	0.9	15.7	7.1	43	0.2	16.7	6.6	251	2.00	13.8	2.8	3.9	14	<0.1	1.5	0.1	44	0.23	0.037	13
1228213	Soil	0.7	12.7	6.9	34	0.2	10.7	6.7	295	1.92	6.6	6.9	2.4	19	0.1	0.5	0.1	52	0.28	0.030	10
1228214	Soil	1.6	56.3	17.5	96	0.4	31.6	7.0	157	3.08	53.8	5.9	11.0	10	0.3	3.3	0.3	37	0.22	0.072	34
1228215	Soil	2.5	34.0	10.1	98	0.3	31.3	13.3	411	3.67	17.7	3.2	3.0	28	0.4	1.5	0.5	93	0.34	0.040	9
1228216	Soil	0.9	27.6	17.3	62	0.3	27.3	8.9	193	3.67	40.2	1.7	4.6	6	<0.1	0.3	0.2	61	0.03	0.033	13



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 6 of 12 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1227987	Soil	39	0.54	168	0.014	3	1.06	0.013	0.08	<0.1	0.10	1.0	<0.1	0.12	3	4.8	<0.2
1227988	Soil	59	0.72	97	0.055	<1	0.96	0.011	0.14	0.3	0.01	2.2	0.1	<0.05	3	1.3	<0.2
1227989	Soil	63	0.74	243	0.036	<1	1.25	0.011	0.12	0.2	0.05	2.5	0.1	<0.05	4	3.6	<0.2
1227990	Soil	60	0.73	265	0.033	3	1.38	0.013	0.13	0.1	0.07	2.4	0.1	0.07	4	3.4	<0.2
1227991	Soil	33	0.50	256	0.019	3	0.86	0.013	0.07	0.1	0.06	1.2	<0.1	0.12	3	4.7	<0.2
1227992	Soil	55	0.68	249	0.034	1	1.21	0.012	0.12	0.1	0.04	2.2	0.1	0.06	4	2.3	<0.2
1227993	Soil	41	0.60	237	0.023	2	1.14	0.018	0.09	<0.1	0.05	1.7	<0.1	0.08	3	4.4	<0.2
1227994	Soil	39	0.44	248	0.016	2	1.10	0.017	0.06	<0.1	0.06	0.7	<0.1	0.14	3	7.7	<0.2
1227995	Soil	83	0.66	59	0.042	<1	1.20	0.006	0.07	0.3	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1227996	Soil	58	0.46	72	0.038	<1	1.20	0.007	0.05	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1227997	Soil	57	0.26	77	0.031	<1	1.13	0.007	0.04	0.4	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1227998	Soil	74	0.49	69	0.043	<1	1.27	0.005	0.05	0.3	<0.01	1.4	<0.1	<0.05	4	0.8	<0.2
1227999	Soil	21	0.11	56	0.027	<1	0.66	0.022	0.03	0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
1228000	Soil	56	0.31	61	0.038	<1	0.86	0.017	0.04	0.2	<0.01	0.8	<0.1	<0.05	4	<0.5	<0.2
1228201	Soil	12	0.35	227	0.005	<1	1.95	0.009	0.15	<0.1	<0.01	1.7	0.2	<0.05	5	0.6	<0.2
1228202	Soil	24	0.38	162	0.043	<1	1.76	0.015	0.08	0.3	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
1228203	Soil	14	0.31	88	0.065	<1	0.78	0.008	0.13	0.2	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
1228204	Soil	30	0.44	172	0.073	<1	2.06	0.012	0.05	0.1	<0.01	2.4	0.1	<0.05	7	<0.5	<0.2
1228205	Soil	26	0.35	124	0.056	<1	1.21	0.013	0.06	0.7	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1228206	Soil	24	0.41	108	0.067	<1	1.37	0.011	0.07	0.2	<0.01	2.2	<0.1	<0.05	6	0.7	<0.2
1228207	Soil	27	0.44	236	0.037	<1	1.41	0.018	0.08	0.2	0.05	4.4	0.2	<0.05	5	0.6	<0.2
1228208	Soil	22	0.33	236	0.030	<1	1.19	0.024	0.08	0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1228209	Soil	105	0.79	305	0.054	<1	2.17	0.008	0.17	<0.1	0.01	7.2	0.3	<0.05	7	0.7	<0.2
1228210	Soil	27	0.40	185	0.070	<1	1.61	0.016	0.09	0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
1228211	Soil	22	0.24	163	0.024	<1	1.17	0.010	0.06	<0.1	0.01	2.2	0.2	<0.05	5	0.8	<0.2
1228212	Soil	22	0.33	205	0.029	<1	1.09	0.009	0.07	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1228213	Soil	19	0.27	152	0.050	<1	0.87	0.015	0.07	0.3	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1228214	Soil	18	0.17	130	0.009	<1	0.64	0.004	0.09	<0.1	0.01	2.6	0.2	<0.05	2	1.3	<0.2
1228215	Soil	45	0.52	224	0.076	<1	1.93	0.014	0.09	0.2	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
1228216	Soil	53	0.52	105	0.138	<1	1.84	0.007	0.25	0.6	0.04	3.0	0.6	<0.05	7	0.5	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 7 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
1228217	Soil	0.4	52.5	8.0	82	<0.1	249.2	27.2	580	4.37	13.2	0.6	3.1	36	0.1	0.1	0.1	92	0.13	0.059	12
1228218	Soil	0.7	16.6	10.9	58	0.1	46.4	8.2	202	2.76	9.1	0.5	1.3	8	<0.1	0.3	0.2	56	0.07	0.041	15
1228219	Soil	1.2	17.5	13.9	55	<0.1	32.8	8.1	339	2.92	4.7	2.6	0.7	8	<0.1	0.4	0.4	54	0.07	0.068	11
1228220	Soil	1.2	31.7	11.9	69	<0.1	56.5	11.7	352	3.64	17.4	1.4	2.8	7	<0.1	0.3	0.3	77	0.07	0.038	9
1228221	Soil	1.0	47.9	15.2	71	0.2	76.4	17.2	506	4.14	33.0	3.8	3.1	9	0.1	0.5	0.3	92	0.14	0.071	11
1228222	Soil	0.6	23.4	8.0	33	0.1	37.2	8.1	246	1.88	5.3	<0.5	0.6	8	<0.1	0.2	0.2	54	0.11	0.038	9
1228223	Soil	1.9	114.7	137.7	134	0.8	56.4	27.9	1076	5.78	33.2	4.0	9.8	13	0.6	0.4	6.8	84	0.29	0.128	37
1228224	Soil	1.1	51.4	32.5	73	0.3	29.5	10.8	422	4.00	14.7	1.6	1.2	7	<0.1	0.3	1.4	105	0.07	0.046	10
1228225	Soil	1.1	77.2	37.6	103	0.1	61.9	20.2	1067	5.23	183.1	6.8	5.3	13	0.1	0.7	1.1	81	0.14	0.085	15
1228226	Soil	0.6	87.6	6.5	83	0.1	154.6	28.7	772	4.63	57.2	3.2	2.2	27	0.2	0.4	0.2	123	0.64	0.106	10
1228227	Soil	0.5	102.4	10.7	52	0.2	59.0	24.3	481	3.83	16.5	2.0	0.8	14	<0.1	0.3	0.2	93	0.44	0.032	5
1228228	Soil	0.6	36.9	42.1	99	<0.1	30.2	19.2	410	5.23	2.8	<0.5	0.9	10	<0.1	0.2	0.5	173	0.26	0.040	3
1228229	Soil	0.5	17.7	2.6	8	0.3	6.5	2.9	396	0.49	2.7	0.7	<0.1	18	<0.1	<0.1	<0.1	15	0.50	0.044	3
1228230	Soil	0.8	56.9	16.0	71	0.2	64.7	18.4	409	4.04	25.8	2.8	2.7	7	0.2	0.5	0.3	91	0.19	0.040	8
1228231	Soil	0.7	61.4	15.0	61	0.3	59.5	21.2	512	3.40	44.8	5.9	2.3	9	0.2	0.5	0.4	80	0.26	0.054	9
1228232	Soil	0.4	24.3	7.0	26	0.6	20.1	5.6	125	1.29	6.6	2.4	0.1	7	<0.1	0.2	0.2	33	0.14	0.041	6
1228233	Soil	0.5	51.0	14.7	56	<0.1	51.2	15.9	493	3.42	21.4	<0.5	1.3	6	0.1	0.4	0.3	82	0.21	0.076	6
1228234	Soil	0.3	14.6	3.0	15	0.1	10.8	4.2	68	0.71	1.9	<0.5	<0.1	7	<0.1	<0.1	<0.1	21	0.19	0.033	3
1228235	Soil	2.2	94.3	10.6	82	0.3	72.0	23.7	696	4.15	64.2	1.1	1.2	21	0.3	0.3	0.2	104	0.90	0.063	10
1228236	Soil	0.4	56.9	6.1	43	0.3	32.8	6.7	238	1.48	7.1	0.7	0.3	15	<0.1	0.2	0.1	33	0.60	0.053	6
1228237	Soil	0.6	102.8	7.5	49	<0.1	83.4	13.0	232	2.55	9.3	<0.5	1.9	12	<0.1	0.2	0.1	61	0.47	0.072	7
1228238	Soil	0.8	138.6	13.4	60	0.2	72.0	19.7	501	3.26	17.6	4.3	2.2	19	0.1	0.3	0.2	89	0.77	0.076	9
1228239	Soil	0.3	78.7	3.5	30	0.2	31.8	7.9	127	1.62	4.2	<0.5	0.5	18	<0.1	0.1	<0.1	40	0.81	0.056	6
1228240	Soil	0.4	273.8	4.9	44	<0.1	83.7	21.5	250	2.38	3.7	1.3	1.7	15	<0.1	<0.1	<0.1	75	0.75	0.076	10
1228241	Soil	0.7	59.9	13.8	56	<0.1	56.1	16.1	306	3.17	16.3	<0.5	2.1	6	0.1	0.2	0.2	91	0.22	0.030	5
1228242	Soil	0.6	100.8	7.3	59	<0.1	98.7	22.8	413	3.55	4.9	<0.5	2.2	9	<0.1	0.2	0.2	99	0.33	0.029	6
1228243	Soil	0.6	46.2	6.3	27	0.1	47.9	9.5	128	1.95	1.8	<0.5	1.0	8	<0.1	0.1	0.1	67	0.18	0.024	5
1228244	Soil	0.5	28.2	10.5	30	<0.1	30.9	8.8	140	1.97	1.0	<0.5	1.1	5	<0.1	0.1	0.1	72	0.19	0.022	5
1228245	Soil	0.3	10.2	7.0	12	<0.1	8.8	2.6	48	0.76	<0.5	<0.5	0.5	3	<0.1	<0.1	0.1	42	0.13	0.015	4
1228246	Soil	0.4	41.2	7.5	35	<0.1	42.1	10.1	206	2.00	2.7	1.8	1.1	6	<0.1	0.1	0.1	59	0.20	0.033	5



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 7 of 12 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228217	Soil	154	1.97	224	0.188	<1	2.57	0.010	0.15	0.2	0.01	6.5	0.3	<0.05	7	<0.5	<0.2
1228218	Soil	87	0.54	91	0.069	<1	1.72	0.007	0.13	0.3	0.01	1.7	0.2	<0.05	6	<0.5	<0.2
1228219	Soil	51	0.49	65	0.059	1	1.47	0.010	0.09	0.1	0.04	1.2	0.1	0.06	6	<0.5	<0.2
1228220	Soil	86	0.75	113	0.153	1	2.14	0.008	0.25	1.1	0.02	3.8	0.4	<0.05	7	<0.5	<0.2
1228221	Soil	116	0.97	144	0.141	2	2.74	0.010	0.27	4.5	0.04	5.4	0.5	<0.05	7	<0.5	<0.2
1228222	Soil	77	0.51	81	0.082	1	1.24	0.013	0.13	1.2	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
1228223	Soil	60	0.83	227	0.136	<1	1.58	0.011	0.69	>100	0.05	7.5	0.9	<0.05	5	<0.5	<0.2
1228224	Soil	69	0.63	118	0.123	1	1.85	0.009	0.24	2.5	0.03	4.2	0.3	<0.05	8	<0.5	<0.2
1228225	Soil	90	0.91	162	0.139	<1	2.63	0.013	0.38	3.3	0.08	6.0	0.6	<0.05	8	0.9	<0.2
1228226	Soil	216	1.83	254	0.203	1	3.76	0.040	0.44	5.4	0.07	8.7	0.3	<0.05	7	0.6	<0.2
1228227	Soil	114	1.24	178	0.138	2	2.56	0.026	0.22	2.0	0.05	7.9	0.2	<0.05	7	0.5	<0.2
1228228	Soil	143	1.72	158	0.290	1	2.90	0.019	0.41	4.0	0.02	3.5	0.4	<0.05	14	0.6	<0.2
1228229	Soil	11	0.09	61	0.018	1	0.65	0.031	0.02	1.3	0.03	0.5	<0.1	0.12	2	<0.5	<0.2
1228230	Soil	111	1.10	97	0.147	1	2.74	0.019	0.13	13.5	0.04	6.3	0.2	<0.05	7	<0.5	<0.2
1228231	Soil	103	1.00	116	0.129	1	2.84	0.023	0.18	11.5	0.05	6.4	0.3	<0.05	6	<0.5	<0.2
1228232	Soil	45	0.43	48	0.037	1	1.35	0.022	0.05	3.1	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1228233	Soil	120	0.94	117	0.112	1	2.05	0.016	0.22	10.6	0.08	4.9	0.3	<0.05	6	0.6	<0.2
1228234	Soil	33	0.26	37	0.038	1	0.62	0.018	0.06	0.9	0.03	0.8	<0.1	<0.05	3	1.5	<0.2
1228235	Soil	116	1.12	224	0.108	2	2.44	0.041	0.20	7.7	0.09	6.6	0.3	<0.05	6	2.5	<0.2
1228236	Soil	44	0.40	136	0.040	2	1.56	0.030	0.09	2.6	0.05	2.4	0.1	0.07	3	1.5	<0.2
1228237	Soil	96	0.87	153	0.086	2	1.58	0.030	0.21	2.9	0.06	4.6	0.2	<0.05	4	<0.5	<0.2
1228238	Soil	124	1.21	237	0.135	1	2.36	0.055	0.34	5.8	0.11	8.2	0.4	<0.05	6	0.7	<0.2
1228239	Soil	62	0.55	111	0.064	<1	1.28	0.035	0.09	1.0	0.06	2.9	<0.1	<0.05	3	2.3	<0.2
1228240	Soil	103	1.34	164	0.151	1	1.80	0.055	0.19	1.9	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
1228241	Soil	105	0.83	98	0.185	1	2.89	0.026	0.15	8.1	0.07	5.7	0.2	<0.05	7	0.5	<0.2
1228242	Soil	151	1.33	135	0.228	1	2.48	0.023	0.25	0.9	0.01	5.3	0.1	<0.05	8	0.7	<0.2
1228243	Soil	81	0.75	99	0.134	<1	1.47	0.022	0.04	0.9	<0.01	2.8	<0.1	<0.05	6	0.5	<0.2
1228244	Soil	61	0.61	44	0.165	<1	1.25	0.023	0.05	0.7	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
1228245	Soil	25	0.21	40	0.170	<1	0.59	0.015	0.02	0.2	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1228246	Soil	77	0.65	83	0.109	1	1.24	0.024	0.09	1.7	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

8 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228247	Soil		0.2	112.6	3.8	38	<0.1	68.2	16.8	324	2.35	2.8	2.4	1.2	19	<0.1	0.1	<0.1	66	0.61	0.066	4		
1228248	Soil		0.4	68.6	4.7	39	<0.1	88.9	12.8	235	2.07	4.1	<0.5	1.8	13	<0.1	0.1	0.1	52	0.35	0.055	6		
1228249	Soil		0.5	60.5	5.8	51	<0.1	87.3	16.4	286	2.22	3.6	<0.5	1.4	12	<0.1	0.1	0.1	51	0.28	0.060	6		
1228250	Soil		0.7	17.0	7.6	58	<0.1	743.7	83.9	2109	9.35	71.1	26.0	2.4	5	0.7	1.3	0.2	28	0.03	0.048	9		
1234201	Soil		0.6	24.0	10.7	54	<0.1	252.0	26.3	543	4.80	60.4	<0.5	3.3	9	0.2	0.6	0.2	74	0.08	0.040	8		
1234202	Soil		10.2	87.3	33.5	80	0.2	156.2	10.1	418	4.35	333.6	1.6	5.3	47	0.3	0.9	1.5	194	0.11	0.077	10		
1234203	Soil		1.3	21.6	12.0	61	0.1	194.2	20.4	280	3.32	41.0	<0.5	4.5	7	0.3	0.8	0.2	45	0.04	0.034	12		
1234204	Soil		1.1	41.7	15.5	61	0.1	74.0	13.1	267	3.76	8.6	1.1	2.9	9	0.1	0.4	0.3	86	0.12	0.068	8		
1234205	Soil		1.1	34.8	17.1	60	<0.1	54.0	10.7	232	4.18	7.6	0.5	3.9	10	0.3	0.2	0.2	86	0.10	0.104	10		
1234206	Soil		1.1	24.7	14.7	74	0.2	63.1	12.1	233	3.07	15.1	1.6	6.6	13	0.3	0.4	0.2	53	0.11	0.061	16		
1234207	Soil		1.3	23.8	13.5	69	0.3	61.4	11.5	212	3.10	10.9	2.1	4.5	11	0.3	0.4	0.2	54	0.10	0.048	16		
1234208	Soil		1.5	25.7	11.9	69	0.1	67.2	10.4	230	3.26	11.7	2.0	5.9	11	0.3	0.4	0.2	61	0.07	0.044	14		
1234209	Soil		1.2	28.9	9.6	71	0.1	86.3	12.0	285	3.44	17.9	2.5	6.6	10	0.2	0.5	0.2	50	0.05	0.034	17		
1234210	Soil		1.0	14.0	11.0	66	0.1	31.2	6.7	201	2.38	4.3	<0.5	4.0	6	<0.1	0.1	0.2	45	0.03	0.030	13		
1234211	Soil		1.2	16.6	11.7	65	0.1	50.2	8.5	179	2.64	10.1	<0.5	4.9	8	0.2	0.3	0.2	49	0.07	0.046	16		
1234212	Soil		1.1	27.2	14.3	64	0.1	34.4	8.6	238	3.19	5.9	0.6	3.2	14	0.2	0.3	0.3	65	0.10	0.056	14		
1234213	Soil		0.7	11.3	5.5	9	0.8	14.3	0.8	26	0.51	<0.5	<0.5	0.2	49	<0.1	0.2	<0.1	5	0.94	0.134	25		
1234214	Soil		1.3	22.6	12.7	72	0.2	48.0	11.4	249	2.99	13.9	1.4	7.0	10	0.2	0.5	0.2	47	0.11	0.051	18		
1234215	Soil		1.9	28.3	12.2	88	0.2	47.4	10.0	284	3.23	11.2	2.0	6.6	12	0.2	0.4	0.2	61	0.09	0.052	19		
1234216	Soil		2.4	31.7	15.5	98	0.1	46.4	11.3	308	3.77	14.1	2.9	6.9	12	0.3	0.5	0.2	61	0.07	0.067	21		
1234217	Soil		0.9	13.9	12.0	51	0.1	35.8	7.2	180	2.37	21.3	<0.5	4.1	8	0.1	0.3	0.2	44	0.07	0.031	20		
1234218	Soil		1.3	16.4	17.3	71	<0.1	55.2	8.5	207	4.07	34.3	0.9	5.0	5	0.2	0.4	0.3	81	0.06	0.069	11		
1234219	Soil		0.7	24.5	6.6	60	<0.1	773.2	60.5	1301	7.52	150.3	11.0	2.6	6	0.5	1.1	0.1	31	0.06	0.035	9		
1234220	Soil		1.3	22.9	12.3	77	0.1	66.7	12.4	309	3.63	18.5	<0.5	6.7	7	0.1	0.4	0.2	56	0.05	0.038	14		
1234221	Soil		0.8	12.0	9.7	67	<0.1	30.0	8.9	237	3.00	5.8	<0.5	5.2	5	<0.1	0.2	0.2	51	0.07	0.040	14		
1234222	Soil		0.8	18.4	6.9	57	<0.1	801.8	70.4	1814	8.59	144.0	<0.5	2.5	7	1.1	1.7	0.1	30	0.06	0.048	8		
1234223	Soil		0.6	12.5	6.4	41	<0.1	827.2	53.2	1882	5.19	124.8	3.3	2.9	6	0.4	2.2	0.1	21	0.05	0.032	9		
1234224	Soil		2.2	14.2	13.0	74	0.1	96.6	12.5	316	3.17	93.1	<0.5	2.4	7	0.4	0.9	0.2	42	0.04	0.037	17		
1234225	Soil		2.7	30.3	13.4	87	0.3	52.9	12.8	309	3.26	23.8	2.7	6.9	10	0.5	0.6	0.2	45	0.07	0.050	20		
1234226	Soil		3.1	30.4	14.7	81	0.2	44.6	11.1	274	3.46	11.1	1.7	8.0	8	0.3	0.4	0.3	46	0.05	0.047	19		



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 8 of 12 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228247	Soil	82	1.22	199	0.122	1	1.67	0.045	0.30	1.4	0.02	4.6	0.2	<0.05	4	0.8	<0.2
1228248	Soil	111	0.95	120	0.107	1	1.67	0.033	0.13	0.9	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
1228249	Soil	120	0.86	146	0.078	<1	1.71	0.025	0.09	1.6	0.03	3.6	0.1	<0.05	4	0.8	<0.2
1228250	Soil	267	2.11	117	0.021	1	1.07	0.003	0.03	0.6	0.03	5.8	<0.1	<0.05	3	0.6	<0.2
1234201	Soil	135	2.14	181	0.145	2	2.33	0.012	0.21	0.6	0.01	7.4	0.2	<0.05	7	1.1	<0.2
1234202	Soil	103	1.21	634	0.099	1	3.42	0.043	0.46	0.3	0.01	7.7	0.9	0.17	13	2.6	0.3
1234203	Soil	106	0.76	127	0.042	2	2.06	0.004	0.07	1.6	0.02	3.5	0.2	<0.05	5	0.9	<0.2
1234204	Soil	125	1.04	129	0.147	<1	2.49	0.010	0.27	6.8	0.04	5.3	0.3	<0.05	8	0.9	<0.2
1234205	Soil	88	0.80	161	0.133	<1	2.34	0.012	0.29	2.5	0.04	5.2	0.2	<0.05	9	0.6	<0.2
1234206	Soil	70	0.80	143	0.079	2	2.92	0.011	0.23	0.7	0.03	4.1	0.3	<0.05	7	0.6	<0.2
1234207	Soil	70	0.82	143	0.073	2	2.71	0.009	0.17	0.4	0.02	4.0	0.3	<0.05	7	1.0	<0.2
1234208	Soil	84	0.82	116	0.103	2	2.14	0.012	0.30	0.7	0.02	4.1	0.4	<0.05	8	<0.5	<0.2
1234209	Soil	79	0.91	159	0.107	2	2.33	0.010	0.41	0.4	0.01	3.9	0.6	<0.05	7	<0.5	<0.2
1234210	Soil	51	0.70	78	0.078	<1	1.65	0.012	0.22	0.1	0.01	2.9	0.2	<0.05	8	<0.5	<0.2
1234211	Soil	68	0.64	99	0.066	<1	2.08	0.009	0.15	0.5	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
1234212	Soil	56	0.74	162	0.090	<1	3.28	0.018	0.30	0.3	0.03	4.4	0.4	<0.05	10	0.9	<0.2
1234213	Soil	9	0.12	98	0.009	1	1.08	0.024	0.02	<0.1	0.04	0.5	<0.1	0.20	2	4.5	<0.2
1234214	Soil	48	0.72	142	0.078	1	2.41	0.012	0.23	0.6	<0.01	3.2	0.4	<0.05	6	0.7	<0.2
1234215	Soil	56	0.81	163	0.084	5	2.40	0.013	0.35	0.3	0.01	4.4	0.4	<0.05	7	<0.5	<0.2
1234216	Soil	56	0.85	142	0.074	2	2.58	0.014	0.33	0.2	0.02	4.3	0.5	<0.05	8	0.9	<0.2
1234217	Soil	46	0.52	89	0.038	1	1.78	0.006	0.11	0.2	0.01	2.5	0.2	<0.05	7	<0.5	<0.2
1234218	Soil	67	0.70	86	0.083	<1	2.00	0.009	0.20	0.3	0.01	3.6	0.2	<0.05	11	<0.5	<0.2
1234219	Soil	298	1.86	113	0.025	<1	1.05	0.006	0.05	0.4	<0.01	6.3	<0.1	<0.05	3	1.1	<0.2
1234220	Soil	75	0.81	101	0.075	<1	2.48	0.008	0.18	0.3	0.02	4.4	0.5	<0.05	8	0.6	<0.2
1234221	Soil	49	0.74	84	0.099	1	2.03	0.011	0.23	0.1	<0.01	3.6	0.3	<0.05	11	<0.5	<0.2
1234222	Soil	342	3.05	127	0.024	1	1.29	0.006	0.04	0.3	0.02	7.1	0.2	<0.05	3	0.8	<0.2
1234223	Soil	243	2.49	114	0.020	1	0.67	0.005	0.04	0.2	<0.01	5.9	0.1	<0.05	2	0.6	<0.2
1234224	Soil	78	0.54	82	0.012	<1	1.32	0.006	0.05	0.4	0.01	1.9	0.2	<0.05	5	<0.5	<0.2
1234225	Soil	43	0.59	100	0.043	<1	1.84	0.008	0.15	0.3	0.02	3.3	0.3	<0.05	5	0.5	<0.2
1234226	Soil	44	0.62	72	0.041	<1	1.80	0.007	0.13	0.7	0.02	2.8	0.3	<0.05	6	0.8	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

9 of 12

Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1234227	Soil	1.7	18.6	12.2	60	0.3	40.0	6.0	169	2.77	7.8	0.8	3.3	6	0.2	0.4	0.3	51	0.05	0.074	14
1234228	Soil	1.8	21.2	11.2	51	0.2	51.4	7.4	189	2.95	7.9	1.2	4.8	7	0.5	0.3	0.3	49	0.05	0.040	15
1234229	Soil	2.4	22.7	10.9	57	0.2	35.4	7.5	284	3.35	4.1	1.1	6.4	9	0.1	0.1	0.3	72	0.04	0.034	12
1234230	Soil	2.1	24.0	12.5	61	0.2	33.6	8.2	238	3.72	7.6	<0.5	6.3	13	0.4	0.3	0.2	67	0.07	0.053	15
1234231	Soil	1.9	23.8	10.9	56	0.1	36.2	8.4	187	3.16	5.6	<0.5	5.7	11	0.3	0.2	0.3	64	0.06	0.047	13
1234232	Soil	3.6	19.5	14.4	65	0.3	19.9	3.1	133	1.78	2.8	<0.5	4.0	9	0.3	0.1	0.2	78	0.05	0.052	14
1234233	Soil	7.7	52.2	16.3	67	0.8	13.5	1.9	89	2.99	7.1	<0.5	5.4	27	0.3	0.3	0.2	85	0.02	0.054	25
1234234	Soil	0.4	28.4	8.7	50	<0.1	66.1	13.4	223	2.76	5.1	<0.5	2.1	7	<0.1	0.2	0.1	57	0.12	0.029	11
1234235	Soil	0.5	28.2	7.4	55	<0.1	70.9	12.7	202	2.67	4.9	<0.5	2.2	7	<0.1	0.2	0.1	59	0.15	0.037	11
1234236	Soil	0.4	39.4	7.4	52	<0.1	78.7	15.9	274	2.69	5.2	2.0	2.7	8	0.1	0.2	0.1	59	0.16	0.039	10
1234237	Soil	0.5	24.1	8.6	54	0.2	43.2	9.9	165	2.50	5.7	0.9	1.5	6	<0.1	0.3	0.1	52	0.09	0.034	11
1234238	Soil	0.4	33.3	8.8	57	<0.1	62.5	13.4	187	2.78	4.4	0.7	3.1	6	<0.1	0.2	0.1	57	0.12	0.034	11
1234239	Soil	0.6	36.3	8.8	44	<0.1	69.4	12.9	206	2.85	4.3	<0.5	2.3	9	0.1	0.4	0.1	65	0.14	0.039	10
1234240	Soil	0.5	27.6	8.4	40	<0.1	59.6	11.9	206	2.38	4.1	<0.5	1.6	8	<0.1	0.1	0.1	58	0.15	0.044	13
1234241	Soil	0.9	16.0	9.7	44	<0.1	21.8	5.7	514	2.05	3.2	0.6	0.4	6	<0.1	0.3	0.3	43	0.06	0.066	10
1234242	Soil	0.8	12.1	14.7	35	<0.1	12.8	3.3	101	2.14	3.1	<0.5	1.3	4	<0.1	0.3	0.3	57	0.03	0.038	16
1234243	Soil	0.7	13.9	14.3	40	0.2	18.9	4.7	130	2.08	6.5	1.1	0.3	9	<0.1	0.3	0.3	44	0.06	0.106	15
1234244	Soil	0.3	106.7	4.7	39	<0.1	209.2	17.5	328	2.83	61.4	<0.5	5.1	7	<0.1	0.2	0.1	66	0.07	0.028	15
1234245	Soil	0.9	24.2	10.9	48	<0.1	43.5	9.1	155	2.57	9.9	0.6	4.7	8	<0.1	0.9	0.2	43	0.08	0.026	17
1234246	Soil	1.0	26.3	10.9	56	0.2	44.2	10.9	208	2.67	11.3	2.2	5.6	8	0.1	0.9	0.2	37	0.07	0.023	19
1234247	Soil	0.9	13.8	15.3	33	0.1	20.6	4.9	151	2.27	3.4	0.8	1.4	6	<0.1	0.3	0.3	56	0.03	0.034	16
1234248	Soil	0.9	23.1	15.6	57	0.2	40.5	7.7	257	3.24	3.2	<0.5	2.5	8	0.1	0.3	0.3	60	0.06	0.051	12
1234249	Soil	0.9	32.3	17.7	62	0.3	21.8	7.6	215	2.78	1.0	<0.5	1.8	5	<0.1	0.3	0.3	55	0.02	0.060	14
1234250	Soil	1.0	36.8	25.4	78	0.4	30.3	8.1	224	3.83	1.3	0.7	3.0	4	0.1	0.2	0.2	66	0.02	0.060	12
1234251	Soil	0.3	3.5	5.7	5	0.2	3.6	0.9	18	0.30	<0.5	<0.5	<0.1	5	<0.1	<0.1	0.2	9	0.03	0.046	1
1234252	Soil	1.2	7.0	9.8	19	<0.1	12.5	2.5	57	0.67	0.7	0.9	<0.1	5	<0.1	<0.1	<0.1	16	0.03	0.031	6
1234253	Soil	1.4	7.6	22.0	23	0.2	13.6	2.7	62	0.92	1.5	<0.5	0.5	3	<0.1	0.1	0.2	21	0.01	0.027	17
1234254	Soil	1.0	21.9	12.6	67	0.1	30.0	9.4	239	2.76	6.4	0.9	6.0	8	0.1	0.5	0.2	42	0.06	0.025	19
1234255	Soil	0.9	10.1	13.2	42	<0.1	16.8	4.4	110	1.99	4.4	1.3	4.2	5	<0.1	0.4	0.2	36	0.04	0.030	17
1234256	Soil	1.3	10.8	12.5	24	0.1	14.4	2.6	95	1.05	2.1	<0.5	0.3	5	<0.1	0.3	0.2	28	0.02	0.034	14



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 9 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234227	Soil	57	0.48	50	0.050	<1	1.14	0.007	0.08	0.3	<0.01	1.7	0.1	<0.05	7	1.0	<0.2
1234228	Soil	63	0.54	51	0.042	<1	1.36	0.006	0.08	0.4	0.01	2.0	0.1	<0.05	6	1.1	<0.2
1234229	Soil	53	0.76	103	0.139	2	2.13	0.009	0.37	3.7	<0.01	4.0	0.6	<0.05	11	0.6	<0.2
1234230	Soil	46	0.67	109	0.101	<1	2.07	0.014	0.29	2.8	<0.01	3.8	0.5	<0.05	8	1.1	<0.2
1234231	Soil	54	0.70	99	0.098	1	2.22	0.011	0.31	1.1	0.02	3.9	0.4	<0.05	9	0.9	<0.2
1234232	Soil	50	0.59	63	0.068	2	1.21	0.008	0.11	0.2	0.01	2.5	0.2	<0.05	8	1.0	<0.2
1234233	Soil	49	0.48	142	0.011	2	1.42	0.041	0.11	<0.1	<0.01	3.5	0.3	0.25	6	2.8	<0.2
1234234	Soil	95	0.83	105	0.106	<1	1.94	0.017	0.18	0.1	0.02	2.9	0.2	<0.05	6	0.8	<0.2
1234235	Soil	105	0.95	105	0.123	<1	2.12	0.019	0.17	0.1	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1234236	Soil	95	1.02	126	0.131	<1	2.25	0.021	0.21	<0.1	<0.01	3.7	0.3	<0.05	6	<0.5	<0.2
1234237	Soil	73	0.68	84	0.086	<1	1.79	0.013	0.20	<0.1	0.02	2.3	0.3	<0.05	6	<0.5	<0.2
1234238	Soil	84	0.87	105	0.129	<1	2.04	0.015	0.25	<0.1	0.02	3.2	0.3	<0.05	6	0.7	<0.2
1234239	Soil	94	0.94	123	0.117	1	2.26	0.017	0.17	0.2	0.02	3.5	0.3	<0.05	7	0.8	<0.2
1234240	Soil	86	0.80	117	0.084	1	2.08	0.015	0.17	0.2	0.02	2.7	0.2	<0.05	7	0.8	<0.2
1234241	Soil	39	0.35	89	0.039	1	1.47	0.008	0.14	0.1	0.04	1.1	0.2	0.08	6	<0.5	<0.2
1234242	Soil	29	0.20	77	0.085	1	0.89	0.004	0.14	<0.1	0.01	1.2	0.2	0.06	7	<0.5	<0.2
1234243	Soil	42	0.37	72	0.020	1	1.52	0.007	0.08	0.1	0.04	0.6	0.3	<0.05	7	0.7	<0.2
1234244	Soil	196	0.98	186	0.057	2	1.31	0.009	0.15	<0.1	0.01	7.6	0.3	0.06	4	<0.5	<0.2
1234245	Soil	58	0.32	102	0.046	<1	0.98	0.007	0.05	0.2	0.14	2.3	0.4	<0.05	3	<0.5	<0.2
1234246	Soil	45	0.31	112	0.042	<1	1.10	0.006	0.06	0.2	0.18	2.6	0.5	<0.05	3	<0.5	<0.2
1234247	Soil	37	0.35	83	0.085	<1	1.44	0.005	0.13	0.1	0.04	2.2	0.2	0.06	9	<0.5	<0.2
1234248	Soil	64	0.57	130	0.106	1	1.79	0.008	0.37	0.5	0.03	3.4	0.3	0.07	8	<0.5	<0.2
1234249	Soil	24	0.11	82	0.103	1	0.64	0.004	0.15	<0.1	0.05	1.4	0.3	0.15	6	<0.5	<0.2
1234250	Soil	36	0.30	110	0.161	1	1.12	0.006	0.35	0.1	0.06	2.1	0.4	0.08	7	0.7	<0.2
1234251	Soil	6	0.03	16	0.007	<1	0.27	0.020	0.03	<0.1	0.04	0.4	<0.1	0.11	1	<0.5	<0.2
1234252	Soil	17	0.02	33	0.008	<1	0.19	0.011	0.03	<0.1	0.02	0.3	0.2	0.08	1	<0.5	<0.2
1234253	Soil	19	0.03	39	0.021	<1	0.34	0.008	0.05	<0.1	0.02	0.4	0.3	0.11	3	<0.5	<0.2
1234254	Soil	36	0.46	113	0.067	1	1.44	0.006	0.13	0.2	0.03	3.1	0.2	0.07	4	<0.5	<0.2
1234255	Soil	29	0.24	55	0.040	<1	0.97	0.004	0.08	0.2	0.03	1.6	0.2	0.06	5	<0.5	<0.2
1234256	Soil	25	0.07	42	0.018	<1	0.44	0.005	0.05	0.1	0.03	0.5	0.1	0.08	4	<0.5	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

10 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
1234257	Soil	0.5	14.9	11.4	45	0.1	20.3	6.5	156	2.23	2.9	0.9	3.9	4	0.1	0.2	0.1	34	0.04	0.027	15
1234258	Soil	1.5	23.0	20.7	58	<0.1	28.7	6.8	197	3.23	5.1	<0.5	4.0	7	0.1	0.5	0.3	67	0.04	0.037	14
1234259	Soil	1.2	10.6	14.4	26	<0.1	13.7	3.0	108	1.49	3.8	1.1	0.6	6	<0.1	0.4	0.4	47	0.02	0.041	16
1234260	Soil	1.8	13.2	20.2	42	0.2	19.1	5.3	179	1.98	4.0	1.1	0.6	5	<0.1	0.4	0.3	45	0.03	0.046	20
1234261	Soil	1.1	12.8	13.7	41	0.1	17.2	4.9	130	2.09	4.8	0.5	2.8	5	<0.1	0.3	0.2	37	0.03	0.046	16
1234262	Soil	1.0	13.7	14.2	48	0.1	21.1	5.8	143	2.26	4.6	1.2	2.4	7	0.2	0.4	0.2	39	0.05	0.039	15
1234263	Soil	0.1	3.1	4.5	10	0.1	2.9	0.6	34	0.24	<0.5	<0.5	<0.1	6	<0.1	<0.1	<0.1	6	0.04	0.060	2
1234264	Soil	1.5	8.7	17.1	28	0.3	12.2	3.3	217	2.30	12.1	0.6	3.0	6	<0.1	0.4	0.4	64	0.03	0.038	16
1234265	Soil	1.0	13.7	14.3	39	0.2	30.0	5.3	141	2.01	6.9	<0.5	2.5	6	<0.1	0.3	0.2	46	0.06	0.032	15
1234266	Soil	0.8	24.0	11.3	68	0.4	28.1	8.8	186	3.01	7.2	1.7	5.4	7	<0.1	0.4	0.2	47	0.03	0.033	16
1234267	Soil	0.4	5.0	10.1	15	0.2	5.3	1.4	103	0.64	0.7	<0.5	0.2	9	<0.1	0.1	0.2	20	0.08	0.030	15
1234268	Soil	1.7	27.1	12.4	55	<0.1	26.1	8.0	162	3.38	2.7	<0.5	2.3	9	0.4	0.2	0.2	96	0.09	0.040	9
1234269	Soil	1.3	18.4	11.4	42	0.3	28.1	5.6	237	2.05	3.4	<0.5	0.6	10	0.2	0.2	0.2	43	0.09	0.042	9
1234270	Soil	1.0	8.4	16.6	27	0.2	10.3	2.6	125	1.31	1.6	0.9	0.6	7	0.2	0.2	0.3	42	0.04	0.038	14
1234271	Soil	1.2	13.5	14.0	40	0.2	18.0	4.3	129	1.90	3.3	1.2	0.7	6	0.3	0.3	0.2	42	0.05	0.051	12
1234272	Soil	0.9	9.4	11.3	38	0.1	9.7	2.6	124	1.21	3.1	<0.5	0.3	6	0.3	0.2	0.2	32	0.03	0.039	14
1234273	Soil	1.2	15.9	14.2	53	0.2	22.5	5.0	206	2.81	4.4	3.5	1.4	8	0.1	0.3	0.3	58	0.04	0.069	14
1234274	Soil	1.0	13.2	11.0	43	0.2	14.9	3.9	152	1.84	3.2	<0.5	1.3	6	0.1	0.3	0.2	38	0.04	0.053	12
1234275	Soil	1.5	23.1	18.4	88	<0.1	35.9	8.6	224	4.03	4.6	<0.5	4.3	24	0.6	0.3	0.3	86	0.15	0.081	14
1234276	Soil	0.9	16.8	14.5	71	0.5	15.7	5.5	796	2.12	3.9	0.8	0.4	6	0.1	0.2	0.2	44	0.04	0.070	9
1234277	Soil	1.5	23.2	15.9	65	0.1	24.2	6.3	205	2.82	3.1	<0.5	1.5	7	0.2	0.3	0.4	64	0.04	0.064	14
1234278	Soil	1.2	19.0	12.7	48	0.1	26.9	6.3	245	2.55	1.9	<0.5	1.0	9	0.2	0.2	0.3	64	0.06	0.052	9
1234279	Soil	0.2	1.9	4.0	3	0.1	1.8	0.4	11	0.15	<0.5	<0.5	<0.1	5	<0.1	<0.1	<0.1	4	0.03	0.024	1
1234280	Soil	6.7	28.3	23.9	84	0.3	67.7	8.4	209	3.63	2.9	1.9	2.7	24	0.4	0.2	0.5	130	0.17	0.048	8
1234281	Soil	2.1	18.0	16.2	47	0.2	29.1	7.1	179	2.95	4.3	1.4	1.6	11	0.5	0.3	0.4	78	0.05	0.033	10
1234282	Soil	1.1	11.4	9.4	37	<0.1	21.8	3.5	268	1.25	0.5	0.6	0.4	8	0.2	<0.1	0.1	32	0.05	0.028	6
1234283	Soil	1.5	32.4	13.2	122	0.5	92.0	13.4	354	3.11	4.6	1.9	2.5	9	0.3	0.2	0.2	83	0.13	0.085	8
1234284	Soil	1.2	12.9	9.7	36	0.1	24.4	3.9	105	1.63	2.6	92.7	2.5	5	<0.1	0.3	0.3	61	0.04	0.040	12
1234285	Soil	1.3	24.2	14.9	117	0.3	70.0	10.4	319	4.21	6.9	1.6	3.9	8	0.4	0.5	0.4	83	0.07	0.074	11
1234286	Soil	1.1	20.0	12.5	72	0.3	56.5	8.1	203	2.27	3.1	<0.5	1.8	8	0.3	0.2	0.2	52	0.08	0.064	9



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

10 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234257	Soil	30	0.23	62	0.057	<1	0.99	0.004	0.14	0.2	0.04	1.8	0.3	0.07	3	0.6	<0.2
1234258	Soil	45	0.40	75	0.095	<1	1.37	0.006	0.20	0.3	0.01	2.7	0.3	<0.05	7	0.5	<0.2
1234259	Soil	23	0.12	42	0.027	<1	0.70	0.003	0.06	0.2	0.02	0.8	0.3	<0.05	8	<0.5	<0.2
1234260	Soil	27	0.05	71	0.022	<1	0.50	0.003	0.04	0.2	0.03	1.0	0.4	0.07	5	<0.5	<0.2
1234261	Soil	29	0.16	46	0.034	<1	0.86	0.005	0.06	0.2	0.03	1.6	0.2	<0.05	4	<0.5	<0.2
1234262	Soil	34	0.28	66	0.032	1	1.20	0.005	0.07	0.3	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
1234263	Soil	4	0.01	47	0.003	<1	0.19	0.014	0.02	<0.1	0.02	0.3	<0.1	0.06	<1	<0.5	<0.2
1234264	Soil	22	0.21	66	0.065	<1	0.96	0.004	0.06	0.3	0.02	1.3	0.2	<0.05	9	<0.5	<0.2
1234265	Soil	44	0.33	72	0.049	1	1.28	0.007	0.07	0.1	0.04	2.1	0.2	<0.05	6	<0.5	<0.2
1234266	Soil	39	0.25	94	0.058	1	1.23	0.005	0.11	0.2	0.06	2.8	0.4	<0.05	4	<0.5	<0.2
1234267	Soil	10	0.06	52	0.020	<1	0.49	0.008	0.05	<0.1	0.01	0.4	0.1	<0.05	4	<0.5	<0.2
1234268	Soil	39	0.53	109	0.139	<1	1.69	0.010	0.14	0.2	0.01	3.4	0.1	<0.05	10	<0.5	<0.2
1234269	Soil	40	0.36	100	0.041	<1	1.18	0.011	0.12	0.2	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
1234270	Soil	18	0.08	69	0.043	<1	0.58	0.006	0.05	0.2	0.02	0.6	0.1	<0.05	5	<0.5	<0.2
1234271	Soil	25	0.15	79	0.044	<1	0.75	0.009	0.09	<0.1	<0.01	1.1	0.1	<0.05	5	<0.5	<0.2
1234272	Soil	16	0.11	67	0.040	<1	0.56	0.008	0.06	0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
1234273	Soil	33	0.36	79	0.057	<1	1.20	0.006	0.13	0.3	0.01	2.0	0.2	<0.05	8	0.7	<0.2
1234274	Soil	23	0.24	62	0.047	<1	0.86	0.009	0.10	0.2	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
1234275	Soil	54	0.81	201	0.129	<1	2.51	0.009	0.25	0.4	<0.01	5.3	0.3	<0.05	11	<0.5	<0.2
1234276	Soil	22	0.18	128	0.034	1	1.15	0.009	0.09	0.2	0.03	1.2	0.4	<0.05	6	<0.5	<0.2
1234277	Soil	35	0.32	123	0.074	<1	1.24	0.006	0.17	0.3	<0.01	1.9	0.2	<0.05	9	0.6	<0.2
1234278	Soil	42	0.52	119	0.085	<1	1.56	0.009	0.15	0.2	0.01	2.6	0.2	<0.05	10	<0.5	<0.2
1234279	Soil	4	0.02	24	0.004	<1	0.17	0.018	0.03	<0.1	0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
1234280	Soil	55	0.55	100	0.097	<1	2.77	0.009	0.22	0.6	0.04	3.9	0.2	<0.05	10	0.9	<0.2
1234281	Soil	41	0.47	91	0.093	<1	1.56	0.007	0.19	0.5	0.02	2.6	0.2	<0.05	11	<0.5	<0.2
1234282	Soil	34	0.28	103	0.045	<1	0.88	0.015	0.10	0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1234283	Soil	119	1.15	184	0.091	<1	2.97	0.015	0.12	0.5	0.04	4.5	0.1	<0.05	8	0.8	<0.2
1234284	Soil	56	0.27	49	0.068	<1	0.83	0.008	0.08	0.3	<0.01	1.2	<0.1	<0.05	7	<0.5	<0.2
1234285	Soil	102	0.91	157	0.075	<1	2.30	0.008	0.09	0.4	0.03	3.6	0.1	<0.05	9	<0.5	<0.2
1234286	Soil	76	0.61	100	0.078	<1	1.38	0.010	0.09	0.3	<0.01	2.3	0.1	<0.05	7	<0.5	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

11 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1234287	Soil	1.3	24.3	11.5	71	0.2	88.1	10.2	231	2.98	4.2	0.9	2.8	14	0.2	0.3	0.3	71	0.15	0.090	11
1234288	Soil	1.7	16.9	11.7	48	0.1	65.1	8.2	178	1.99	2.1	4.8	1.2	13	0.3	0.2	0.2	49	0.12	0.039	7
1234289	Soil	0.9	21.1	10.4	106	0.2	98.0	15.3	466	2.98	4.1	34.5	4.3	12	0.4	0.3	0.2	65	0.11	0.081	11
1234290	Soil	1.0	20.2	11.0	90	0.1	101.9	12.5	253	3.25	5.6	1.2	3.8	11	0.3	0.3	0.3	66	0.09	0.035	10
1234291	Soil	1.4	18.6	10.8	83	0.2	88.3	11.0	267	3.51	5.5	<0.5	3.7	11	0.2	0.3	0.3	68	0.09	0.049	11
1234292	Soil	1.2	19.3	11.6	78	0.2	75.5	8.6	235	2.99	5.6	0.5	2.8	7	0.2	0.3	0.3	61	0.06	0.073	8
1234293	Soil	1.6	20.9	13.3	106	0.2	116.3	14.8	419	3.38	5.5	3.5	3.3	13	0.2	0.3	0.3	91	0.14	0.070	9
1234301	Soil	0.4	7.7	8.2	43	<0.1	725.7	50.8	495	5.26	7.6	0.6	1.2	5	0.2	0.4	0.1	43	0.05	0.024	5
1234302	Soil	0.4	7.1	8.6	44	<0.1	491.6	36.3	446	3.23	6.9	0.6	2.6	7	0.2	0.4	0.1	30	0.08	0.029	11
1234303	Soil	0.4	4.9	8.1	51	<0.1	659.2	62.9	764	4.72	5.4	0.9	0.9	5	0.2	0.2	<0.1	39	0.04	0.044	4
1234304	Soil	0.7	6.9	8.6	49	<0.1	383.5	31.5	430	3.33	6.5	3.9	2.7	7	0.1	0.4	0.2	40	0.05	0.022	13
1234305	Soil	0.3	3.8	3.8	19	<0.1	176.8	11.7	227	1.16	2.0	<0.5	0.1	6	<0.1	<0.1	<0.1	15	0.04	0.028	1
1234306	Soil	0.2	1.6	3.0	12	<0.1	157.9	9.8	138	1.31	3.2	2.1	0.3	3	<0.1	0.1	<0.1	17	0.02	0.015	4
1234307	Soil	0.6	7.8	10.3	49	<0.1	671.8	62.0	721	4.61	8.6	2.8	1.7	6	0.4	0.4	0.1	33	0.04	0.024	7
1234308	Soil	0.3	8.7	3.9	19	<0.1	193.8	8.3	184	1.09	3.8	<0.5	0.2	7	<0.1	0.1	<0.1	15	0.05	0.039	2
1234309	Soil	0.3	20.2	5.1	30	<0.1	365.0	20.7	263	2.68	13.0	1.3	1.6	6	0.1	0.2	<0.1	37	0.09	0.029	5
1234310	Soil	0.4	12.7	6.0	29	<0.1	254.1	12.8	288	1.73	7.5	<0.5	0.3	9	0.2	0.2	0.1	24	0.07	0.065	4
1234311	Soil	0.4	17.9	10.1	40	<0.1	579.6	31.4	410	3.70	11.6	3.8	1.5	9	0.3	0.4	0.2	39	0.11	0.051	9
1234312	Soil	0.5	20.4	9.4	74	<0.1	1022	72.9	1002	6.45	20.9	<0.5	0.9	10	0.3	0.5	0.2	39	0.09	0.103	6
1234313	Soil	0.2	13.6	6.3	37	<0.1	633.9	33.6	385	3.04	5.7	5.6	2.3	7	0.2	0.2	<0.1	29	0.10	0.025	8
1234314	Soil	0.1	2.5	1.3	9	<0.1	67.4	3.2	66	0.55	0.8	<0.5	0.1	6	<0.1	<0.1	<0.1	15	0.06	0.022	1
1234315	Soil	0.4	22.3	7.4	43	0.1	599.3	29.7	789	2.53	13.6	<0.5	0.6	13	0.4	0.3	0.2	27	0.15	0.099	8
1234316	Soil	0.5	23.7	7.9	40	0.2	606.7	36.4	702	2.95	22.2	<0.5	0.7	10	0.6	0.4	0.2	26	0.15	0.107	7
1234317	Soil	0.4	7.4	6.1	34	<0.1	353.8	31.3	438	2.54	10.7	<0.5	0.8	9	0.2	0.3	0.1	27	0.09	0.043	6
1234318	Soil	0.4	7.2	7.9	51	<0.1	733.8	61.2	763	4.28	10.3	<0.5	1.6	4	0.2	0.3	0.1	35	0.04	0.030	6
1234319	Soil	0.3	5.5	8.5	43	<0.1	300.1	38.1	605	2.70	6.4	3.4	2.4	8	0.2	0.2	0.1	33	0.07	0.021	9
1234320	Soil	0.2	3.0	4.5	26	<0.1	150.6	11.1	180	1.68	2.7	1.7	1.3	4	0.1	0.1	0.1	21	0.03	0.013	6
1234321	Soil	<0.1	1.4	2.6	6	<0.1	23.0	4.0	126	0.40	<0.5	0.6	0.2	4	<0.1	<0.1	<0.1	10	0.02	0.012	2
1234322	Soil	0.3	2.4	4.1	20	<0.1	177.4	13.2	181	1.63	2.8	14.6	0.8	4	0.1	0.1	<0.1	23	0.02	0.014	4
1234323	Soil	0.2	2.8	4.1	30	<0.1	200.7	17.6	234	2.01	2.6	5.3	1.3	5	0.2	0.2	<0.1	21	0.03	0.014	5



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

11 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234287	Soil	114	0.85	150	0.084	<1	1.68	0.009	0.11	0.4	0.02	3.3	0.1	<0.05	8	0.6	<0.2
1234288	Soil	84	0.59	196	0.062	<1	1.18	0.014	0.09	0.3	0.02	2.1	0.1	<0.05	6	<0.5	<0.2
1234289	Soil	143	1.05	155	0.076	<1	1.72	0.008	0.12	0.4	0.01	3.0	0.1	<0.05	7	0.5	<0.2
1234290	Soil	140	1.10	140	0.076	<1	1.92	0.009	0.12	0.4	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
1234291	Soil	154	1.03	108	0.075	<1	2.05	0.008	0.12	0.3	0.01	3.3	0.1	<0.05	7	0.5	<0.2
1234292	Soil	100	0.79	91	0.072	<1	1.72	0.014	0.10	0.3	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
1234293	Soil	137	1.33	174	0.103	<1	2.22	0.011	0.12	0.3	<0.01	4.0	0.1	<0.05	9	<0.5	<0.2
1234301	Soil	863	2.92	53	0.023	3	0.48	0.006	0.02	0.2	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1234302	Soil	478	3.14	64	0.029	3	0.69	0.005	0.03	0.2	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1234303	Soil	965	3.11	60	0.016	3	0.46	0.004	0.02	0.3	0.03	2.0	<0.1	<0.05	2	0.5	<0.2
1234304	Soil	387	2.05	93	0.028	2	0.91	0.005	0.03	0.2	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1234305	Soil	119	0.78	43	0.021	1	0.40	0.022	0.03	<0.1	0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1234306	Soil	276	0.44	17	0.015	<1	0.18	0.010	0.02	0.1	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
1234307	Soil	646	4.20	65	0.025	4	0.63	0.007	0.03	0.3	<0.01	2.0	<0.1	<0.05	2	0.6	<0.2
1234308	Soil	56	0.48	57	0.022	1	0.68	0.029	0.03	0.2	0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
1234309	Soil	328	1.67	58	0.041	2	0.96	0.006	0.04	0.6	<0.01	2.3	<0.1	<0.05	2	0.5	<0.2
1234310	Soil	81	0.73	86	0.023	1	0.79	0.019	0.04	0.3	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1234311	Soil	522	3.38	91	0.029	4	0.97	0.007	0.04	0.4	0.01	3.1	<0.1	<0.05	3	<0.5	<0.2
1234312	Soil	849	5.42	118	0.015	7	0.92	0.005	0.04	0.6	0.02	4.2	<0.1	<0.05	3	<0.5	<0.2
1234313	Soil	498	3.50	49	0.031	4	0.70	0.007	0.02	0.2	<0.01	2.4	<0.1	<0.05	2	0.5	<0.2
1234314	Soil	27	0.23	23	0.028	<1	0.27	0.023	0.02	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1234315	Soil	172	1.76	155	0.019	3	0.99	0.016	0.05	0.5	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1234316	Soil	321	2.52	131	0.017	4	0.79	0.015	0.05	0.6	0.02	2.4	<0.1	<0.05	2	0.5	<0.2
1234317	Soil	392	1.57	72	0.022	2	0.50	0.012	0.04	0.3	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1234318	Soil	582	5.31	54	0.024	4	0.53	0.005	0.03	0.5	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
1234319	Soil	378	2.01	106	0.023	2	0.83	0.006	0.04	0.8	0.01	1.7	<0.1	<0.05	3	0.6	<0.2
1234320	Soil	181	0.91	43	0.022	1	0.48	0.010	0.02	0.3	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
1234321	Soil	44	0.17	20	0.015	<1	0.28	0.016	0.02	<0.1	0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1234322	Soil	278	0.91	32	0.024	1	0.35	0.011	0.02	0.5	<0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
1234323	Soil	300	0.95	31	0.023	1	0.36	0.011	0.03	0.5	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2



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: LOT - BER
Report Date: November 16, 2011

Page: 12 of 12 Part 1

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1234324	Soil	0.2	6.4	3.3	17	<0.1	117.7	11.9	223	1.05	6.8	0.9	0.4	8	<0.1	0.2	<0.1	12	0.05	0.019	4
1234325	Soil	<0.1	1.9	1.6	6	<0.1	32.7	3.3	102	0.36	1.0	0.6	<0.1	4	<0.1	<0.1	<0.1	6	0.02	0.012	1
1234326	Soil	0.4	12.2	6.0	24	<0.1	214.9	13.1	406	1.57	55.4	0.5	0.6	9	0.2	0.3	0.1	18	0.12	0.049	5
1234327	Soil	0.3	3.0	3.4	16	<0.1	161.9	9.2	103	1.62	2.3	0.9	1.1	4	0.1	0.2	0.1	22	0.03	0.009	8
1234328	Soil	0.4	15.3	8.6	32	<0.1	239.4	15.7	714	2.03	23.7	0.8	0.9	12	0.2	0.4	0.2	18	0.20	0.058	10
1234329	Soil	0.4	5.4	6.0	30	<0.1	275.0	34.2	512	3.56	7.5	6.7	1.7	5	0.2	0.3	0.1	23	0.05	0.025	7
1234330	Soil	0.2	7.7	6.1	34	<0.1	360.9	26.4	497	4.07	5.0	24.4	1.0	9	0.2	0.5	0.1	21	0.08	0.071	6
1234331	Soil	0.4	5.3	5.3	35	<0.1	203.7	35.5	699	3.86	5.4	7.3	2.2	5	0.1	0.4	0.1	23	0.04	0.029	6
1234332	Soil	0.4	3.9	4.8	24	<0.1	238.3	16.2	195	2.84	10.5	4.0	1.9	4	<0.1	0.4	0.2	46	0.06	0.014	7
1234333	Soil	0.4	4.6	4.5	31	<0.1	307.1	23.0	280	2.77	5.9	<0.5	1.7	7	<0.1	0.3	0.2	32	0.03	0.014	8
1234334	Soil	<0.1	1.6	0.9	6	<0.1	33.3	2.2	34	0.36	0.6	<0.5	<0.1	5	<0.1	<0.1	<0.1	5	0.03	0.014	<1
1234335	Soil	0.5	6.3	8.2	44	<0.1	205.5	21.2	297	3.38	9.3	10.7	2.7	7	0.1	0.3	0.2	44	0.05	0.016	9
1234336	Soil	<0.1	0.9	1.0	3	<0.1	5.2	0.8	9	0.18	<0.5	<0.5	<0.1	5	<0.1	<0.1	<0.1	5	0.02	0.011	<1
1234337	Soil	<0.1	0.7	0.8	5	<0.1	26.1	2.4	35	0.21	1.1	1.0	<0.1	5	<0.1	<0.1	<0.1	5	0.03	0.007	<1
1234338	Soil	0.3	4.1	3.9	19	<0.1	197.5	15.1	165	2.33	5.6	1.2	1.8	5	<0.1	0.4	0.3	54	0.05	0.009	6
1234339	Soil	0.4	12.8	6.5	42	<0.1	500.5	40.8	514	3.14	10.0	1.9	2.0	9	<0.1	0.3	0.1	31	0.07	0.024	6
1234340	Soil	0.8	22.8	8.6	40	0.2	339.4	24.2	286	3.22	27.1	3.9	3.6	23	0.2	0.4	0.3	38	0.09	0.026	11
1234341	Soil	0.2	18.2	3.5	43	<0.1	354.8	35.0	484	4.01	3.6	1.2	1.5	8	0.1	0.1	<0.1	94	0.12	0.021	3
1234342	Soil	1.5	6.2	8.6	29	<0.1	122.8	10.7	216	1.50	5.5	4.1	1.6	12	0.6	0.2	0.3	32	0.15	0.013	11
1234343	Soil	1.4	7.5	6.7	45	<0.1	167.0	13.8	188	2.65	12.1	0.6	2.4	12	0.4	0.5	0.3	40	0.05	0.016	8



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 12 of 12 Part 2

CERTIFICATE OF ANALYSIS

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234324	Soil	70	0.28	61	0.019	2	0.48	0.018	0.03	0.6	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
1234325	Soil	47	0.14	35	0.007	<1	0.11	0.016	0.02	0.2	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1234326	Soil	77	0.64	76	0.019	2	0.79	0.019	0.04	1.0	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1234327	Soil	248	0.45	26	0.015	<1	0.29	0.007	0.01	0.7	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
1234328	Soil	62	1.03	90	0.018	2	0.80	0.013	0.04	1.1	0.02	2.1	<0.1	<0.05	3	0.6	<0.2
1234329	Soil	166	0.71	59	0.020	1	0.74	0.005	0.03	1.4	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1234330	Soil	150	1.22	96	0.015	<1	0.76	0.004	0.02	0.9	0.01	4.2	<0.1	<0.05	2	<0.5	<0.2
1234331	Soil	141	1.01	58	0.024	1	0.89	0.006	0.03	1.3	0.02	2.4	<0.1	<0.05	3	0.7	<0.2
1234332	Soil	348	0.86	50	0.048	<1	0.56	0.007	0.02	1.0	0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
1234333	Soil	442	1.20	50	0.025	1	0.57	0.007	0.02	1.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1234334	Soil	51	0.09	35	0.006	<1	0.08	0.018	0.02	0.2	0.02	0.2	<0.1	<0.05	<1	<0.5	<0.2
1234335	Soil	288	1.11	85	0.046	<1	1.21	0.005	0.02	1.0	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1234336	Soil	9	0.04	12	0.009	1	0.12	0.017	0.02	<0.1	0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1234337	Soil	12	0.23	17	0.008	1	0.08	0.018	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1234338	Soil	281	0.67	34	0.062	<1	0.57	0.006	0.01	0.3	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1234339	Soil	415	2.12	95	0.024	3	0.78	0.007	0.03	0.5	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1234340	Soil	234	1.47	119	0.049	2	1.36	0.009	0.05	0.7	0.01	2.3	0.1	<0.05	4	<0.5	<0.2
1234341	Soil	276	3.08	194	0.221	<1	1.81	0.010	0.22	0.4	<0.01	6.3	<0.1	<0.05	6	<0.5	<0.2
1234342	Soil	204	0.70	62	0.037	<1	0.55	0.005	0.05	0.4	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1234343	Soil	225	0.71	52	0.029	2	1.03	0.005	0.03	0.4	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2



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:

LOT - BER

Report Date:

November 16, 2011

Page:

1 of 3

Part 1

QUALITY CONTROL REPORT

WHI11001862.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
Pulp Duplicates																					
1223552	Soil	0.5	10.5	9.2	24	<0.1	9.4	2.9	82	1.37	9.2	2.4	6.1	4	<0.1	0.2	0.2	42	0.01	0.016	22
REP 1223552	QC	0.7	10.5	9.3	24	<0.1	9.6	3.0	82	1.41	8.3	2.2	5.7	3	<0.1	0.2	0.2	42	0.01	0.016	21
1223569	Soil	0.6	67.8	14.0	54	0.2	59.2	17.2	352	3.82	20.8	2.8	1.9	8	0.1	0.3	0.4	89	0.24	0.054	7
REP 1223569	QC	0.6	68.6	13.3	55	0.2	59.0	17.5	350	3.86	20.3	3.7	2.0	8	0.2	0.3	0.4	85	0.23	0.053	7
1223597	Soil	15.8	59.6	17.9	74	0.8	104.6	7.7	208	3.01	27.6	11.2	4.2	34	0.4	2.4	0.2	81	0.05	0.033	14
REP 1223597	QC	15.6	60.3	17.9	75	0.7	105.4	8.0	208	3.02	28.7	12.0	4.2	33	0.4	2.4	0.2	83	0.04	0.032	13
1227878	Soil	0.7	32.4	3.5	56	0.4	17.7	7.0	397	1.55	9.0	0.9	1.3	48	1.3	0.9	<0.1	46	0.59	0.071	6
REP 1227878	QC	0.9	34.8	3.6	58	0.4	18.9	7.4	415	1.65	9.4	<0.5	1.4	49	1.3	1.0	<0.1	50	0.61	0.072	6
1227894	Soil	1.9	13.1	10.7	112	0.4	48.9	6.9	192	2.57	5.7	3.9	3.3	9	1.4	0.6	0.3	70	0.05	0.027	11
REP 1227894	QC	1.8	12.9	10.9	113	0.4	48.9	7.2	197	2.50	5.5	0.5	3.3	8	1.6	0.6	0.3	68	0.05	0.026	11
1227900	Soil	2.7	98.8	10.4	101	1.7	119.6	10.3	225	2.07	9.0	9.2	1.5	44	3.5	1.3	0.3	48	0.97	0.093	62
REP 1227900	QC	2.6	99.6	10.4	102	1.6	120.4	10.5	225	2.04	9.4	11.6	1.5	44	3.4	1.2	0.3	48	0.97	0.094	63
1227966	Soil	1.9	19.7	10.5	85	0.5	37.4	7.1	212	2.41	7.8	3.2	4.4	9	0.3	0.8	0.2	31	0.10	0.018	14
REP 1227966	QC	2.0	19.7	10.3	82	0.5	37.5	6.8	211	2.41	7.2	3.3	4.2	9	0.3	0.8	0.2	30	0.10	0.020	15
1227985	Soil	0.4	12.0	11.8	36	<0.1	32.7	8.6	240	1.83	4.3	5.0	5.0	16	<0.1	0.3	0.2	26	0.17	0.018	10
REP 1227985	QC	0.5	11.3	11.7	36	<0.1	32.1	8.5	236	1.77	4.4	2.4	5.1	16	0.2	0.3	0.2	25	0.17	0.017	11
1228218	Soil	0.7	16.6	10.9	58	0.1	46.4	8.2	202	2.76	9.1	0.5	1.3	8	<0.1	0.3	0.2	56	0.07	0.041	15
REP 1228218	QC	0.8	16.9	10.9	57	<0.1	47.0	8.0	197	2.71	9.0	<0.5	1.3	8	0.1	0.3	0.2	54	0.07	0.039	14
1228222	Soil	0.6	23.4	8.0	33	0.1	37.2	8.1	246	1.88	5.3	<0.5	0.6	8	<0.1	0.2	0.2	54	0.11	0.038	9
REP 1228222	QC	0.6	24.7	8.1	35	0.1	40.3	8.4	256	1.94	5.8	<0.5	0.6	8	<0.1	0.2	0.2	57	0.12	0.042	10
1228241	Soil	0.7	59.9	13.8	56	<0.1	56.1	16.1	306	3.17	16.3	<0.5	2.1	6	0.1	0.2	0.2	91	0.22	0.030	5
REP 1228241	QC	0.5	61.0	13.8	57	<0.1	55.1	16.2	305	3.26	16.5	<0.5	2.2	6	0.1	0.3	0.2	94	0.22	0.031	5
1234220	Soil	1.3	22.9	12.3	77	0.1	66.7	12.4	309	3.63	18.5	<0.5	6.7	7	0.1	0.4	0.2	56	0.05	0.038	14
REP 1234220	QC	1.1	22.6	12.2	75	0.1	69.5	12.3	310	3.57	17.9	0.7	6.6	7	0.1	0.4	0.2	55	0.05	0.036	15
1234227	Soil	1.7	18.6	12.2	60	0.3	40.0	6.0	169	2.77	7.8	0.8	3.3	6	0.2	0.4	0.3	51	0.05	0.074	14
REP 1234227	QC	1.7	18.1	12.4	59	0.3	40.3	6.3	170	2.78	7.9	<0.5	3.6	6	0.3	0.4	0.3	51	0.04	0.074	13
1234251	Soil	0.3	3.5	5.7	5	0.2	3.6	0.9	18	0.30	<0.5	<0.5	<0.1	5	<0.1	<0.1	0.2	9	0.03	0.046	1
REP 1234251	QC	0.3	3.4	5.8	6	0.2	3.5	0.8	20	0.32	<0.5	0.8	<0.1	5	<0.1	<0.1	0.1	10	0.03	0.042	1



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:

LOT - BER

Report Date:

November 16, 2011

Page:

1 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001862.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1223552	Soil	17	0.15	43	0.099	1	0.60	0.003	0.14	<0.1	0.02	1.1	0.2	<0.05	6	<0.5	<0.2
REP 1223552	QC	18	0.15	42	0.099	<1	0.59	0.003	0.14	<0.1	0.02	1.0	0.2	<0.05	6	<0.5	<0.2
1223569	Soil	129	1.10	107	0.127	1	3.38	0.024	0.12	11.4	0.07	6.6	0.1	<0.05	7	1.2	<0.2
REP 1223569	QC	124	1.09	104	0.123	1	3.41	0.022	0.11	10.7	0.08	6.6	0.2	<0.05	7	0.9	<0.2
1223597	Soil	117	1.01	114	0.062	1	1.95	0.020	0.10	0.5	0.03	4.3	0.8	0.07	7	2.9	<0.2
REP 1223597	QC	119	1.03	114	0.062	<1	2.09	0.021	0.10	0.6	0.04	4.4	0.9	0.08	8	2.6	<0.2
1227878	Soil	24	0.26	216	0.061	1	0.82	0.043	0.07	0.2	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
REP 1227878	QC	24	0.26	219	0.065	<1	0.84	0.044	0.07	0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1227894	Soil	80	0.71	106	0.068	<1	1.42	0.008	0.06	0.4	0.01	2.9	<0.1	<0.05	8	0.6	<0.2
REP 1227894	QC	78	0.72	105	0.068	1	1.38	0.008	0.06	0.4	0.01	2.9	<0.1	<0.05	7	0.6	<0.2
1227900	Soil	70	0.81	192	0.022	2	1.77	0.015	0.08	0.1	0.06	2.4	0.2	0.10	5	3.8	<0.2
REP 1227900	QC	69	0.84	194	0.022	2	1.81	0.016	0.08	0.1	0.07	2.3	0.2	0.08	5	5.5	<0.2
1227966	Soil	51	0.70	90	0.035	1	1.37	0.005	0.07	0.2	<0.01	2.5	<0.1	<0.05	5	0.9	<0.2
REP 1227966	QC	50	0.68	90	0.034	<1	1.32	0.009	0.08	0.2	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1227985	Soil	47	0.53	76	0.065	<1	1.11	0.006	0.07	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1227985	QC	46	0.53	74	0.064	<1	1.07	0.008	0.08	0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1228218	Soil	87	0.54	91	0.069	<1	1.72	0.007	0.13	0.3	0.01	1.7	0.2	<0.05	6	<0.5	<0.2
REP 1228218	QC	85	0.53	95	0.064	<1	1.66	0.006	0.12	0.2	0.01	1.8	0.2	<0.05	6	<0.5	<0.2
1228222	Soil	77	0.51	81	0.082	1	1.24	0.013	0.13	1.2	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
REP 1228222	QC	80	0.50	88	0.090	<1	1.34	0.014	0.14	1.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
1228241	Soil	105	0.83	98	0.185	1	2.89	0.026	0.15	8.1	0.07	5.7	0.2	<0.05	7	0.5	<0.2
REP 1228241	QC	106	0.85	100	0.177	1	2.97	0.026	0.15	8.3	0.07	5.8	0.2	<0.05	8	0.8	<0.2
1234220	Soil	75	0.81	101	0.075	<1	2.48	0.008	0.18	0.3	0.02	4.4	0.5	<0.05	8	0.6	<0.2
REP 1234220	QC	79	0.81	94	0.078	2	2.46	0.008	0.17	0.4	<0.01	4.3	0.5	<0.05	8	0.8	<0.2
1234227	Soil	57	0.48	50	0.050	<1	1.14	0.007	0.08	0.3	<0.01	1.7	0.1	<0.05	7	1.0	<0.2
REP 1234227	QC	54	0.47	50	0.048	<1	1.08	0.007	0.08	0.3	<0.01	1.6	0.1	<0.05	7	<0.5	<0.2
1234251	Soil	6	0.03	16	0.007	<1	0.27	0.020	0.03	<0.1	0.04	0.4	<0.1	0.11	1	<0.5	<0.2
REP 1234251	QC	6	0.03	17	0.007	<1	0.27	0.018	0.03	<0.1	0.04	0.3	<0.1	0.10	1	<0.5	<0.2



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:

LOT - BER

Report Date:

November 16, 2011

Page:

2 of 3

Part 1

QUALITY CONTROL REPORT

WHI11001862.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1234275	Soil	1.5	23.1	18.4	88	<0.1	35.9	8.6	224	4.03	4.6	<0.5	4.3	24	0.6	0.3	0.3	86	0.15	0.081
REP 1234275	QC	1.4	22.7	17.8	89	<0.1	35.9	8.6	229	4.06	4.2	1.1	4.5	25	0.4	0.3	0.3	85	0.14	0.082
1234287	Soil	1.3	24.3	11.5	71	0.2	88.1	10.2	231	2.98	4.2	0.9	2.8	14	0.2	0.3	0.3	71	0.15	0.090
REP 1234287	QC	1.2	23.7	11.2	68	0.2	84.5	9.9	218	2.88	3.9	1.3	2.8	14	0.2	0.3	0.3	71	0.15	0.087
1234308	Soil	0.3	8.7	3.9	19	<0.1	193.8	8.3	184	1.09	3.8	<0.5	0.2	7	<0.1	0.1	<0.1	15	0.05	0.039
REP 1234308	QC	0.3	8.5	3.3	20	<0.1	185.6	8.3	178	1.07	3.7	<0.5	0.1	7	<0.1	0.1	<0.1	16	0.04	0.037
1234325	Soil	<0.1	1.9	1.6	6	<0.1	32.7	3.3	102	0.36	1.0	0.6	<0.1	4	<0.1	<0.1	<0.1	6	0.02	0.012
REP 1234325	QC	0.1	1.9	1.6	6	<0.1	33.7	3.2	101	0.37	1.0	1.0	<0.1	4	<0.1	<0.1	<0.1	7	0.02	0.011
1234337	Soil	<0.1	0.7	0.8	5	<0.1	26.1	2.4	35	0.21	1.1	1.0	<0.1	5	<0.1	<0.1	<0.1	5	0.03	0.007
REP 1234337	QC	<0.1	0.7	0.8	5	<0.1	25.8	2.3	34	0.21	1.2	<0.5	<0.1	5	<0.1	<0.1	<0.1	4	0.03	0.007
Reference Materials																				
STD DS8	Standard	12.5	109.2	127.3	308	1.8	37.7	7.5	599	2.42	24.2	123.4	6.4	62	2.1	5.6	6.4	42	0.67	0.076
STD DS8	Standard	13.1	111.6	130.2	306	1.9	37.8	7.7	607	2.42	23.3	117.9	7.4	74	2.2	6.2	7.3	43	0.67	0.078
STD DS8	Standard	13.0	110.1	129.9	315	1.9	36.5	7.5	608	2.44	25.5	116.6	7.0	66	2.5	5.4	6.0	43	0.69	0.078
STD DS8	Standard	12.0	104.7	124.6	304	1.8	36.6	7.0	588	2.31	24.1	120.6	7.2	67	2.5	5.0	5.5	41	0.65	0.073
STD DS8	Standard	12.9	106.5	122.0	311	1.8	39.2	7.3	597	2.40	24.2	121.1	6.8	72	2.3	5.9	6.5	39	0.64	0.086
STD DS8	Standard	13.2	106.1	120.9	298	1.8	36.4	7.3	584	2.40	24.7	110.1	6.5	72	2.2	5.2	6.3	40	0.68	0.073
STD DS8	Standard	13.8	114.2	119.8	301	1.8	38.0	7.5	605	2.39	24.0	105.8	7.2	72	2.5	5.7	6.5	44	0.69	0.078
STD DS8	Standard	12.7	100.2	110.3	281	1.6	33.7	6.6	560	2.21	21.3	120.3	6.1	58	1.9	4.4	5.5	38	0.66	0.070
STD DS8	Standard	12.3	106.8	120.3	299	1.8	35.5	6.9	587	2.37	23.5	124.9	6.2	69	2.3	5.3	6.2	39	0.63	0.074
STD DS8	Standard	11.3	102.2	118.5	305	1.8	35.7	7.0	576	2.35	24.4	103.4	5.9	65	1.9	5.6	6.6	40	0.60	0.076
STD DS8	Standard	13.8	125.4	125.7	322	1.8	40.9	7.9	600	2.44	24.9	105.9	6.8	69	2.5	6.2	7.3	45	0.66	0.077
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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:

LOT - BER

Report Date:

November 16, 2011

Page:

2 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001862.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1234275	Soil	54	0.81	201	0.129	<1	2.51	0.009	0.25	0.4	<0.01	5.3	0.3	<0.05	11	<0.5
REP 1234275	QC	56	0.79	202	0.130	1	2.46	0.010	0.26	0.5	0.01	5.3	0.3	<0.05	11	0.8
1234287	Soil	114	0.85	150	0.084	<1	1.68	0.009	0.11	0.4	0.02	3.3	0.1	<0.05	8	0.6
REP 1234287	QC	114	0.83	144	0.082	<1	1.66	0.009	0.10	0.3	0.01	3.2	0.1	<0.05	8	<0.5
1234308	Soil	56	0.48	57	0.022	1	0.68	0.029	0.03	0.2	0.01	0.9	<0.1	<0.05	2	<0.5
REP 1234308	QC	57	0.48	56	0.023	1	0.68	0.026	0.04	0.1	<0.01	1.0	<0.1	<0.05	2	<0.5
1234325	Soil	47	0.14	35	0.007	<1	0.11	0.016	0.02	0.2	<0.01	0.2	<0.1	<0.05	<1	<0.5
REP 1234325	QC	48	0.14	34	0.006	<1	0.11	0.014	0.02	0.3	<0.01	0.2	<0.1	<0.05	<1	<0.5
1234337	Soil	12	0.23	17	0.008	1	0.08	0.018	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5
REP 1234337	QC	12	0.22	17	0.009	1	0.09	0.019	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5
Reference Materials																
STD DS8	Standard	115	0.61	268	0.114	2	0.88	0.090	0.39	3.3	0.18	2.3	5.5	0.13	4	4.7
STD DS8	Standard	119	0.59	275	0.116	3	0.89	0.091	0.41	2.9	0.19	2.4	5.4	0.15	5	5.2
STD DS8	Standard	117	0.61	278	0.120	<1	0.94	0.096	0.41	3.0	0.20	2.2	5.5	0.13	5	4.8
STD DS8	Standard	112	0.57	280	0.117	4	0.92	0.104	0.42	2.8	0.20	2.5	5.2	0.15	5	5.9
STD DS8	Standard	117	0.61	272	0.118	2	0.89	0.092	0.40	3.0	0.19	2.1	5.5	0.16	4	6.0
STD DS8	Standard	114	0.58	269	0.113	3	0.90	0.098	0.41	3.0	0.17	3.1	5.3	0.12	5	6.1
STD DS8	Standard	119	0.57	274	0.139	2	0.89	0.095	0.42	2.9	0.19	2.9	5.3	0.13	5	4.9
STD DS8	Standard	106	0.58	267	0.095	3	0.94	0.094	0.38	2.8	0.19	3.0	5.0	0.13	4	4.7
STD DS8	Standard	112	0.58	275	0.110	2	0.87	0.111	0.42	2.9	0.19	2.9	5.0	0.19	4	4.4
STD DS8	Standard	112	0.64	255	0.099	3	0.85	0.080	0.40	2.7	0.19	1.7	5.1	0.15	4	5.2
STD DS8	Standard	120	0.60	271	0.126	3	0.89	0.091	0.38	2.9	0.20	2.4	5.4	0.19	5	4.6
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5



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: LOT - BER

Report Date: November 16, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

WHI11001862.1

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



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: LOT - BER

Report Date: November 16, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11001862.1

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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Goldspike Exploration Inc.

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

Submitted By: Bruce Durham

Receiving Lab: Canada-Whitehorse

Received: September 19, 2011

Report Date: November 19, 2011

Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI11001863.1

CLIENT JOB INFORMATION

Project: LOT - BER
Shipment ID: BER+LOTsoils(1-10)
P.O. Number
Number of Samples: 111

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

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

CC: Daniel Ferraro
Robert Middleton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	111	Dry at 60C			WHI
SS80	111	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	111	Saving all or part of Soil Reject			WHI
1DX2	111	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 19, 2011

Page:

2 of 5

Part 1

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1234344	Soil	1.7	20.1	16.6	53	0.4	152.1	19.0	233	2.93	7.9	1.4	2.9	18	0.2	0.6	0.3	30	0.08	0.034	8
1234345	Soil	0.5	23.7	13.1	108	<0.1	463.7	25.1	212	2.98	30.8	2.9	4.3	58	0.5	0.4	0.3	86	0.33	0.035	16
1234346	Soil	0.9	8.5	9.3	40	0.2	104.3	8.4	172	2.58	18.4	<0.5	1.4	13	0.2	0.4	0.3	49	0.04	0.029	7
1234347	Soil	0.6	34.4	8.8	25	0.4	116.1	9.1	205	1.17	18.6	0.8	0.9	17	0.4	0.2	0.3	17	0.12	0.044	52
1234348	Soil	0.6	10.2	6.8	46	0.2	261.1	19.6	233	2.79	17.4	1.9	2.7	13	0.2	0.4	0.2	40	0.10	0.021	9
1234349	Soil	0.9	18.1	9.9	59	0.1	379.7	29.4	333	3.32	21.0	32.7	5.5	17	0.3	0.5	0.2	42	0.09	0.025	12
1234350	Soil	0.9	18.6	11.8	65	<0.1	203.7	15.2	329	2.76	19.8	0.6	3.0	50	0.4	0.4	0.3	53	0.13	0.029	14
1234351	Soil	1.1	27.5	9.3	29	1.0	228.8	13.0	426	1.88	19.5	2.6	2.0	25	0.3	0.4	0.3	24	0.30	0.117	25
1234352	Soil	0.7	10.4	10.0	38	<0.1	168.5	12.4	191	2.01	9.6	1.4	2.0	13	0.3	0.2	0.2	32	0.10	0.017	6
1234353	Soil	0.9	27.5	11.1	43	0.1	114.2	13.8	262	2.40	16.5	1.5	5.5	17	0.2	0.4	0.4	30	0.13	0.028	13
1234354	Soil	1.9	13.8	16.2	59	<0.1	63.4	10.1	274	3.02	27.0	1.8	4.1	11	0.2	0.6	0.4	41	0.07	0.079	15
1234355	Soil	2.2	102.2	27.2	72	0.2	137.1	23.4	221	3.14	45.3	3.7	12.1	159	0.2	1.0	0.6	31	0.11	0.098	50
1234356	Soil	1.8	21.8	15.3	46	0.1	70.6	11.6	215	2.70	15.8	1.8	8.9	18	<0.1	0.5	0.4	30	0.11	0.025	20
1234357	Soil	2.1	23.5	15.7	42	0.3	55.4	10.1	213	2.53	29.0	1.4	6.3	26	0.1	0.5	0.4	29	0.13	0.023	18
1234358	Soil	0.7	6.8	11.7	13	0.1	3.4	1.0	57	0.40	<0.5	<0.5	1.4	46	<0.1	<0.1	0.2	9	0.13	0.012	7
1234359	Soil	1.2	12.2	12.5	41	<0.1	45.8	7.7	214	2.73	10.9	<0.5	5.5	15	<0.1	0.4	0.4	36	0.08	0.020	10
1234360	Soil	1.0	21.5	15.9	52	<0.1	78.7	12.9	267	2.94	12.9	0.9	7.4	17	0.1	0.5	0.4	31	0.08	0.027	11
1234361	Soil	1.0	10.2	8.4	35	<0.1	30.4	5.6	174	2.43	6.8	0.7	3.4	16	<0.1	0.5	0.4	32	0.07	0.019	9
1234362	Soil	1.1	14.0	11.4	53	<0.1	46.7	9.0	278	3.18	10.6	2.2	5.7	11	0.2	0.5	0.4	35	0.07	0.029	9
1234401	Soil	0.8	2.8	3.9	10	0.3	11.6	1.3	36	0.40	0.8	<0.5	0.2	6	0.1	0.1	0.1	13	0.02	0.011	8
1234402	Soil	4.2	14.2	12.2	47	0.2	57.7	5.6	135	2.05	14.2	1.5	2.8	13	0.4	0.7	0.3	64	0.04	0.027	13
1234403	Soil	6.8	31.8	16.2	97	0.3	138.0	13.3	232	3.76	32.4	8.3	4.4	18	1.5	1.3	0.3	75	0.07	0.046	13
1234404	Soil	20.1	40.7	40.2	214	6.5	55.2	11.9	259	3.84	28.1	5.1	3.9	36	2.8	2.6	0.4	84	0.10	0.050	14
1234405	Soil	5.2	38.5	15.6	107	0.9	101.3	16.0	279	4.29	149.8	17.7	8.1	24	0.5	1.9	0.4	62	0.05	0.042	21
1234406	Soil	6.6	43.9	16.2	101	0.2	151.4	15.1	295	3.96	59.7	22.9	7.1	15	0.4	1.3	0.3	67	0.07	0.021	16
1234407	Soil	6.2	29.4	14.2	100	0.5	105.0	13.1	254	3.48	42.4	3.5	5.4	18	0.7	1.2	0.3	70	0.06	0.027	13
1234408	Soil	5.3	52.5	14.7	119	0.5	133.4	15.3	345	3.23	35.9	5.3	5.0	18	0.5	1.4	0.3	58	0.09	0.042	14
1234409	Soil	4.7	38.8	9.8	123	0.6	118.2	13.4	348	2.69	27.3	8.1	3.1	37	1.3	1.2	0.3	57	0.71	0.068	17
1234410	Soil	9.8	56.1	15.8	147	0.5	162.7	20.8	405	4.30	57.2	7.6	7.2	39	0.7	1.7	0.4	80	0.12	0.042	23
1234411	Soil	3.6	21.5	12.0	93	0.4	78.1	11.5	237	2.89	17.4	1.9	5.3	16	0.2	0.6	0.2	58	0.11	0.045	15



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 19, 2011

Page: 2 of 5 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234344	Soil	145	0.52	78	0.027	1	1.86	0.009	0.05	0.3	0.02	1.5	0.1	<0.05	5	0.9	<0.2
1234345	Soil	218	1.76	148	0.063	2	2.38	0.033	0.06	0.8	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
1234346	Soil	155	0.60	36	0.027	1	1.14	0.010	0.03	0.5	0.02	1.7	<0.1	<0.05	8	<0.5	<0.2
1234347	Soil	62	0.40	74	0.016	1	1.53	0.022	0.05	0.5	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1234348	Soil	314	1.45	80	0.034	2	1.40	0.006	0.03	0.3	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1234349	Soil	311	1.80	108	0.037	2	2.06	0.008	0.05	0.4	0.02	3.1	<0.1	<0.05	5	0.6	<0.2
1234350	Soil	206	1.49	124	0.030	1	1.94	0.011	0.06	0.5	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1234351	Soil	102	0.82	202	0.016	3	1.66	0.023	0.08	0.5	0.06	2.1	0.1	0.09	4	1.4	<0.2
1234352	Soil	161	1.12	93	0.028	1	1.10	0.012	0.07	0.5	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1234353	Soil	97	0.73	145	0.037	1	1.80	0.006	0.10	0.2	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
1234354	Soil	87	0.62	73	0.033	1	2.56	0.007	0.06	0.3	0.03	2.2	0.1	<0.05	7	0.7	<0.2
1234355	Soil	87	0.74	184	0.023	2	4.27	0.030	0.08	0.4	0.04	2.4	<0.1	0.17	6	1.2	<0.2
1234356	Soil	74	0.65	103	0.024	<1	2.81	0.007	0.08	0.2	0.03	2.4	0.1	<0.05	6	0.6	<0.2
1234357	Soil	56	0.67	124	0.021	<1	2.52	0.009	0.06	0.2	0.02	2.2	0.1	<0.05	6	0.8	<0.2
1234358	Soil	6	0.07	37	0.003	<1	1.29	0.010	0.02	<0.1	<0.01	0.6	<0.1	<0.05	4	<0.5	<0.2
1234359	Soil	62	0.59	86	0.032	<1	1.93	0.005	0.07	0.2	0.03	1.9	<0.1	<0.05	6	0.5	<0.2
1234360	Soil	75	0.73	112	0.029	<1	2.68	0.006	0.10	0.2	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1234361	Soil	47	0.43	80	0.021	<1	1.52	0.006	0.06	0.2	0.03	1.4	<0.1	<0.05	6	<0.5	<0.2
1234362	Soil	61	0.62	90	0.027	<1	2.26	0.013	0.07	0.2	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1234401	Soil	22	0.09	30	0.017	<1	0.34	0.013	0.03	<0.1	<0.01	0.4	<0.1	<0.05	3	<0.5	<0.2
1234402	Soil	100	0.44	63	0.049	<1	0.93	0.007	0.06	0.4	0.01	1.9	0.2	<0.05	7	1.0	<0.2
1234403	Soil	166	0.91	83	0.052	2	1.57	0.010	0.10	0.6	0.02	3.2	0.2	0.06	6	2.1	<0.2
1234404	Soil	69	0.80	121	0.062	2	2.46	0.021	0.13	0.3	0.05	3.5	0.2	0.10	9	2.7	0.3
1234405	Soil	91	0.91	116	0.044	2	2.25	0.021	0.14	0.6	0.04	3.2	0.3	0.17	6	1.8	<0.2
1234406	Soil	146	1.02	77	0.048	1	1.80	0.008	0.11	0.6	0.01	3.3	0.3	0.06	5	2.1	<0.2
1234407	Soil	108	0.80	96	0.037	<1	1.76	0.009	0.07	0.4	0.03	2.8	0.3	<0.05	6	2.1	<0.2
1234408	Soil	99	1.03	116	0.055	2	2.17	0.014	0.11	0.5	0.02	3.3	0.3	<0.05	5	1.8	<0.2
1234409	Soil	91	0.95	158	0.043	1	1.67	0.023	0.12	0.3	0.04	3.2	0.3	0.06	5	2.9	<0.2
1234410	Soil	127	1.20	189	0.055	<1	2.20	0.017	0.11	0.5	0.03	4.3	0.4	0.07	6	1.7	0.2
1234411	Soil	101	0.99	122	0.056	<1	1.84	0.009	0.10	0.3	0.02	3.3	0.2	<0.05	6	1.2	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 19, 2011

Page:

3 of 5

Part 1

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1234412	Soil	3.4	19.5	8.9	62	0.1	75.9	7.5	158	2.38	20.1	3.0	2.6	11	0.3	0.7	0.2	54	0.06	0.032	9
1234413	Soil	2.0	9.0	10.7	43	0.4	41.2	4.1	112	1.51	11.0	4.7	1.1	13	0.2	0.4	0.2	42	0.06	0.028	10
1234414	Soil	0.5	2.4	3.1	14	0.2	6.8	1.0	44	0.45	1.7	<0.5	0.3	5	0.2	0.1	<0.1	13	0.02	0.012	2
1234415	Soil	5.5	31.8	10.4	152	0.5	114.5	15.2	391	2.88	28.9	3.1	2.8	30	1.0	1.0	0.3	51	0.45	0.068	18
1234416	Soil	3.1	27.3	16.9	37	0.2	23.3	5.5	129	2.78	2.6	0.8	0.5	28	0.1	0.4	0.3	57	0.05	0.071	14
1234417	Soil	1.3	29.6	16.1	47	<0.1	37.8	13.2	324	3.45	3.8	1.1	1.9	21	0.2	0.3	0.3	64	0.10	0.048	18
1234418	Soil	0.8	16.7	12.6	30	<0.1	21.6	6.0	182	2.85	1.5	1.1	0.4	9	0.2	0.2	0.4	61	0.05	0.069	12
1234419	Soil	1.6	26.1	17.8	37	0.3	25.0	7.1	250	2.92	1.6	58.9	0.5	16	0.2	0.2	0.3	59	0.07	0.085	12
1234420	Soil	1.4	52.1	20.8	71	<0.1	60.6	20.3	630	4.87	4.4	2.5	3.9	123	0.2	0.2	0.4	86	0.14	0.057	18
1234421	Soil	2.0	20.9	74.6	93	0.3	39.8	15.1	1517	3.98	3.4	1.1	1.5	46	3.3	0.2	0.9	72	0.49	0.193	18
1234422	Soil	4.7	22.7	10.9	66	0.4	24.8	3.9	208	1.53	2.9	1.3	0.3	15	0.7	0.2	0.2	78	0.11	0.038	8
1234423	Soil	8.1	103.2	9.0	96	2.4	123.1	13.5	773	2.17	6.5	1.8	0.5	28	6.4	0.2	0.2	51	0.56	0.099	31
1234424	Soil	1.5	14.4	9.7	39	0.2	25.3	4.4	137	1.81	2.9	<0.5	0.2	11	0.2	1.1	0.2	41	0.05	0.035	13
1234425	Soil	0.7	12.8	8.0	25	0.2	14.8	3.9	98	1.10	0.8	0.9	0.3	12	0.2	0.1	0.2	32	0.09	0.034	9
1234426	Soil	1.2	20.2	10.3	45	0.2	40.4	7.9	190	2.46	3.3	0.7	1.6	15	0.1	0.3	0.2	68	0.12	0.022	12
1234427	Soil	1.3	22.4	16.0	57	0.2	35.0	8.8	207	3.28	1.6	0.7	2.3	17	0.4	0.2	0.3	70	0.09	0.036	17
1234428	Soil	2.5	19.1	10.1	41	0.2	33.9	9.4	315	4.80	14.5	0.5	2.0	7	0.3	1.1	0.2	103	0.04	0.054	11
1234429	Soil	0.8	14.0	9.3	36	<0.1	25.4	6.6	228	1.66	0.5	1.0	1.4	9	<0.1	0.1	0.2	51	0.06	0.025	13
1234430	Soil	0.6	23.6	6.8	58	0.3	66.3	11.6	195	2.76	3.1	<0.5	1.9	11	0.3	0.2	0.1	67	0.19	0.068	9
1234431	Soil	0.7	20.9	6.7	48	0.1	50.2	9.8	167	2.74	2.7	<0.5	1.2	9	0.2	0.2	0.1	64	0.12	0.042	7
1234432	Soil	1.6	28.8	16.5	56	0.3	48.1	10.1	379	2.96	5.9	0.8	1.5	9	0.2	0.2	0.3	75	0.06	0.028	11
1234433	Soil	1.2	22.2	10.6	89	0.1	132.2	16.0	365	3.77	4.7	8.8	2.4	11	0.3	0.2	0.2	97	0.09	0.054	8
1234434	Soil	1.3	12.6	10.1	71	<0.1	48.4	6.3	204	2.15	4.8	<0.5	2.5	9	0.2	0.4	0.3	69	0.07	0.030	12
1234435	Soil	0.3	8.0	4.1	9	0.4	16.2	1.9	34	0.46	<0.5	<0.5	<0.1	9	0.1	<0.1	<0.1	13	0.04	0.021	4
1234436	Soil	0.8	22.4	8.5	37	0.2	62.6	6.8	163	1.62	2.1	1.5	0.9	12	0.2	0.1	0.1	44	0.10	0.020	9
1234437	Soil	1.3	24.7	7.7	50	0.3	90.6	13.2	242	3.02	4.1	0.6	2.6	11	0.1	0.1	0.1	63	0.10	0.028	8
1234438	Soil	1.0	13.1	5.9	30	0.1	51.7	4.5	102	1.39	1.2	<0.5	1.8	12	0.6	0.2	0.2	46	0.12	0.013	11
1234451	Soil	0.7	11.0	7.7	56	<0.1	755.6	80.0	2739	8.59	138.7	52.3	2.6	7	0.8	2.8	0.2	32	0.05	0.048	9
1234452	Soil	0.6	16.6	8.6	72	<0.1	196.7	16.8	374	3.64	91.3	33.8	4.8	12	0.2	0.4	0.2	63	0.13	0.053	14
1234453	Soil	0.5	17.7	6.8	50	0.2	421.3	27.1	646	3.10	345.0	14.9	2.6	17	0.2	1.1	0.2	29	0.21	0.032	24



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 19, 2011

Page:

3 of 5

Part 2

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234412	Soil	92	0.65	74	0.044	<1	1.27	0.011	0.05	0.3	<0.01	2.2	0.1	<0.05	5	0.7	<0.2
1234413	Soil	69	0.58	51	0.036	<1	0.98	0.007	0.06	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1234414	Soil	13	0.05	22	0.019	<1	0.24	0.025	0.03	<0.1	0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1234415	Soil	113	1.01	126	0.035	1	1.52	0.014	0.09	0.2	0.03	2.7	0.2	<0.05	5	2.7	<0.2
1234416	Soil	32	0.41	160	0.044	<1	1.89	0.010	0.28	0.2	0.05	1.8	0.2	0.11	8	<0.5	<0.2
1234417	Soil	43	0.81	220	0.083	1	2.81	0.010	0.35	0.3	0.02	4.1	0.4	<0.05	8	0.7	<0.2
1234418	Soil	40	0.54	148	0.040	<1	2.13	0.010	0.26	0.1	0.03	1.9	0.2	<0.05	8	<0.5	<0.2
1234419	Soil	38	0.57	181	0.046	<1	2.36	0.010	0.48	0.3	0.06	2.4	0.3	0.09	8	<0.5	<0.2
1234420	Soil	60	1.17	426	0.115	<1	5.20	0.016	0.87	0.6	0.03	7.1	0.7	<0.05	14	<0.5	<0.2
1234421	Soil	57	0.91	158	0.052	<1	4.82	0.053	0.30	0.5	0.04	3.2	0.3	<0.05	11	<0.5	<0.2
1234422	Soil	48	0.71	132	0.047	<1	1.58	0.005	0.12	0.1	0.02	1.4	<0.1	<0.05	8	0.5	<0.2
1234423	Soil	64	0.73	150	0.037	1	1.94	0.017	0.13	0.1	0.08	3.0	0.3	0.08	5	2.3	<0.2
1234424	Soil	34	0.34	117	0.029	<1	1.25	0.009	0.14	0.1	0.02	0.8	0.1	<0.05	6	<0.5	<0.2
1234425	Soil	28	0.30	97	0.044	<1	1.09	0.014	0.10	0.1	0.03	1.2	0.1	<0.05	4	<0.5	<0.2
1234426	Soil	58	0.66	167	0.093	<1	1.66	0.010	0.17	0.2	0.02	3.1	0.2	<0.05	8	<0.5	<0.2
1234427	Soil	48	0.68	255	0.102	<1	2.53	0.011	0.34	0.3	0.05	4.7	0.3	<0.05	10	<0.5	<0.2
1234428	Soil	48	0.16	67	0.067	<1	0.76	0.004	0.07	0.3	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
1234429	Soil	43	0.47	148	0.082	<1	1.34	0.012	0.27	0.2	0.01	2.9	0.2	<0.05	7	<0.5	<0.2
1234430	Soil	131	0.86	114	0.107	<1	1.37	0.015	0.10	0.1	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
1234431	Soil	87	0.62	113	0.069	<1	1.73	0.014	0.08	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1234432	Soil	69	0.66	139	0.063	<1	2.08	0.006	0.13	0.2	0.03	3.4	0.2	<0.05	8	<0.5	<0.2
1234433	Soil	183	1.40	166	0.096	<1	2.01	0.010	0.10	0.2	0.02	4.0	<0.1	<0.05	9	<0.5	<0.2
1234434	Soil	97	0.58	68	0.070	<1	1.22	0.008	0.06	0.3	<0.01	2.3	<0.1	<0.05	8	<0.5	<0.2
1234435	Soil	14	0.13	190	0.014	<1	0.44	0.019	0.03	<0.1	0.04	0.8	<0.1	<0.05	2	<0.5	<0.2
1234436	Soil	121	0.62	115	0.050	1	1.17	0.019	0.07	0.3	0.04	1.9	<0.1	<0.05	5	<0.5	<0.2
1234437	Soil	97	0.88	141	0.090	<1	1.78	0.011	0.14	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1234438	Soil	116	0.33	140	0.043	<1	0.58	0.008	0.06	0.2	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1234451	Soil	332	2.44	140	0.024	1	1.12	0.004	0.03	0.5	0.03	5.6	0.1	<0.05	3	<0.5	<0.2
1234452	Soil	132	1.25	145	0.078	<1	2.09	0.017	0.13	2.1	<0.01	5.6	0.2	<0.05	8	<0.5	<0.2
1234453	Soil	230	2.01	109	0.022	<1	1.05	0.007	0.08	1.6	0.03	5.1	0.3	<0.05	3	<0.5	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 19, 2011

Page: 4 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1234454	Soil		0.7	14.7	10.3	67	0.2	404.5	26.9	694	4.17	166.1	5.7	2.7	25	0.4	0.8	0.2	49	0.21	0.047	16		
1234455	Soil		0.6	18.0	8.3	63	<0.1	172.9	16.8	408	3.42	106.6	10.2	5.6	13	0.2	0.5	0.2	50	0.14	0.039	18		
1234456	Soil		0.6	17.2	11.6	92	0.6	99.4	11.6	366	2.99	249.8	6.0	1.8	31	0.3	0.7	0.3	47	0.35	0.112	20		
1234457	Soil		1.1	23.1	11.6	96	0.4	93.2	10.6	314	2.66	79.8	2.6	2.3	24	0.5	0.5	0.2	77	0.21	0.061	17		
1234458	Soil		1.1	13.5	10.1	66	0.1	152.2	14.8	263	3.18	36.6	14.5	4.2	10	0.3	0.4	0.2	47	0.11	0.024	14		
1234459	Soil		1.7	26.0	9.6	77	0.1	184.6	15.7	304	3.06	27.9	6.5	5.8	16	0.3	0.7	0.2	56	0.20	0.047	19		
1234460	Soil		4.6	21.7	12.5	77	1.7	96.3	11.1	239	3.09	24.0	11.3	5.3	9	0.7	1.0	0.2	57	0.04	0.026	15		
1234461	Soil		4.2	25.8	11.7	76	0.3	128.1	13.6	255	2.84	20.0	3.1	4.0	13	0.4	0.7	0.3	56	0.10	0.038	13		
1234462	Soil		7.0	32.1	13.0	100	0.7	141.3	12.7	283	3.65	37.1	2.2	3.2	16	1.0	1.4	0.2	79	0.09	0.060	14		
1234463	Soil		9.2	25.2	14.1	173	0.2	75.6	8.6	232	3.21	18.3	1.2	4.8	24	2.1	0.9	0.3	130	0.09	0.041	15		
1234464	Soil		5.4	32.3	14.5	110	0.2	135.8	16.1	277	3.98	33.4	4.9	6.6	19	0.5	1.2	0.4	75	0.06	0.040	16		
1234465	Soil		5.0	31.6	10.9	88	0.3	210.0	17.0	315	3.47	25.8	3.3	5.3	19	0.5	1.3	0.3	61	0.11	0.056	15		
1234466	Soil		6.1	33.3	12.4	88	0.3	151.9	16.3	248	3.27	26.7	5.3	4.5	17	0.3	1.1	0.2	65	0.10	0.037	16		
1234468	Soil		1.6	43.5	4.8	43	0.6	70.5	2.2	67	0.67	34.0	3.3	0.4	34	6.9	0.4	0.1	9	1.07	0.036	16		
1234469	Soil		4.1	52.2	11.6	132	0.6	134.2	16.5	460	3.18	40.2	5.7	5.7	25	0.4	1.1	0.2	66	0.44	0.040	15		
1234470	Soil		6.9	46.3	14.2	128	0.4	155.5	20.2	370	3.69	46.8	5.7	4.6	20	0.6	1.0	0.2	72	0.19	0.030	13		
1234471	Soil		5.1	49.3	12.7	92	0.5	116.8	13.1	204	3.08	33.9	6.3	3.1	15	0.5	1.1	0.3	65	0.06	0.031	14		
1234472	Soil		4.0	80.4	10.9	181	0.9	108.7	12.1	590	2.49	24.3	6.4	2.6	30	2.7	0.9	0.3	54	0.84	0.038	12		
1234473	Soil		3.5	14.3	10.1	51	0.3	39.0	4.7	108	1.42	10.4	5.7	1.4	11	0.6	0.3	0.2	38	0.10	0.023	13		
1234474	Soil		3.3	37.4	13.1	93	0.2	126.2	16.3	266	3.16	15.8	3.5	5.9	12	0.4	0.5	0.3	65	0.15	0.048	16		
1234475	Soil		4.4	15.1	10.9	69	0.2	66.5	8.3	169	2.42	15.5	2.6	3.5	12	0.3	0.5	0.2	57	0.08	0.032	12		
1234476	Soil		3.6	23.0	11.6	94	0.3	89.3	14.2	221	2.92	16.8	2.1	5.4	13	0.2	0.6	0.2	61	0.08	0.032	13		
1234477	Soil		3.8	21.4	12.1	95	0.4	85.2	12.3	230	2.98	19.9	1.3	4.0	14	0.3	0.6	0.3	67	0.08	0.029	11		
1234478	Soil		5.9	44.3	12.0	117	0.2	163.8	19.3	531	3.37	31.6	3.3	6.1	29	1.0	1.2	0.3	63	0.16	0.059	18		
1234479	Soil		1.4	29.6	15.7	52	<0.1	36.5	12.6	217	3.08	5.0	3.0	4.1	20	0.3	0.3	0.2	53	0.13	0.042	16		
1234480	Soil		1.3	36.7	21.1	60	0.2	51.2	17.3	356	3.75	2.7	3.4	4.2	14	0.2	0.1	0.3	75	0.09	0.071	26		
1234481	Soil		1.3	18.2	11.1	25	0.6	17.5	5.3	154	1.95	2.2	2.5	0.2	9	0.1	0.2	0.2	37	0.06	0.132	10		
1234482	Soil		1.4	42.5	17.6	46	0.1	42.0	16.9	504	4.09	2.1	1.3	4.8	26	0.2	0.1	0.3	77	0.12	0.053	21		
1234483	Soil		2.7	32.7	18.0	77	0.3	37.4	13.0	568	3.32	2.2	0.8	0.5	23	0.7	0.2	0.3	64	0.10	0.066	15		
1234484	Soil		3.2	16.0	7.9	30	0.3	12.3	2.9	105	0.98	1.4	1.2	0.2	9	0.6	<0.1	0.1	33	0.04	0.047	8		



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 19, 2011

Page: 4 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234454	Soil	208	1.85	127	0.032	<1	1.92	0.009	0.06	2.4	0.03	4.0	0.2	<0.05	6	<0.5	<0.2
1234455	Soil	105	1.14	108	0.069	<1	1.80	0.011	0.15	0.6	0.01	4.1	0.3	<0.05	6	<0.5	<0.2
1234456	Soil	95	1.34	166	0.038	2	2.07	0.011	0.17	0.5	0.03	3.4	0.2	0.07	6	<0.5	<0.2
1234457	Soil	99	1.68	144	0.079	<1	2.48	0.023	0.10	0.3	0.02	4.4	0.1	<0.05	8	0.6	<0.2
1234458	Soil	133	1.00	87	0.059	<1	1.59	0.008	0.09	0.5	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2
1234459	Soil	138	1.24	144	0.073	<1	1.68	0.015	0.17	0.3	0.01	4.6	0.3	<0.05	6	<0.5	<0.2
1234460	Soil	110	0.81	97	0.055	<1	1.91	0.007	0.10	0.6	0.02	3.2	0.4	<0.05	6	0.6	<0.2
1234461	Soil	130	1.08	86	0.055	<1	1.57	0.008	0.09	0.5	0.02	2.8	0.2	<0.05	5	1.3	<0.2
1234462	Soil	138	1.07	102	0.039	1	2.13	0.010	0.09	0.6	0.05	3.1	0.3	0.07	6	2.0	<0.2
1234463	Soil	93	0.94	126	0.061	<1	2.63	0.013	0.07	0.3	0.02	4.1	0.3	0.06	9	1.4	0.3
1234464	Soil	126	1.00	136	0.049	<1	2.65	0.012	0.08	0.5	0.05	3.7	0.2	<0.05	7	1.4	<0.2
1234465	Soil	185	1.49	99	0.049	2	1.79	0.010	0.09	0.6	0.02	3.3	0.2	<0.05	5	1.4	0.2
1234466	Soil	143	1.02	115	0.041	2	1.66	0.010	0.10	0.6	0.02	4.1	0.3	<0.05	5	1.6	<0.2
1234468	Soil	8	0.06	46	0.010	2	0.41	0.023	0.04	<0.1	0.02	1.0	<0.1	0.06	1	2.0	<0.2
1234469	Soil	123	1.35	172	0.068	2	1.94	0.027	0.23	0.3	0.02	5.4	0.3	<0.05	7	1.6	<0.2
1234470	Soil	127	1.04	153	0.048	1	1.98	0.015	0.13	0.5	0.02	4.2	0.3	<0.05	6	3.2	<0.2
1234471	Soil	116	0.98	79	0.039	1	1.86	0.009	0.06	0.3	0.04	3.6	0.3	<0.05	6	1.8	<0.2
1234472	Soil	78	1.33	204	0.051	1	2.24	0.072	0.27	0.2	0.02	4.8	0.2	<0.05	7	2.1	<0.2
1234473	Soil	81	0.52	62	0.029	1	1.08	0.008	0.06	0.3	0.01	2.4	0.1	<0.05	5	2.0	<0.2
1234474	Soil	132	1.22	133	0.076	2	2.08	0.010	0.13	0.4	<0.01	5.0	0.3	<0.05	6	1.4	<0.2
1234475	Soil	106	0.87	66	0.052	1	1.37	0.008	0.08	0.4	<0.01	2.9	0.2	<0.05	6	1.3	<0.2
1234476	Soil	111	0.91	118	0.047	2	1.96	0.008	0.08	0.3	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
1234477	Soil	101	0.89	123	0.047	1	1.86	0.009	0.06	0.2	<0.01	3.0	0.1	<0.05	7	0.5	<0.2
1234478	Soil	122	1.44	142	0.042	2	1.92	0.015	0.12	0.3	0.02	3.9	0.3	0.06	5	2.3	<0.2
1234479	Soil	39	0.76	206	0.080	1	2.48	0.009	0.30	0.3	0.01	5.1	0.3	<0.05	7	<0.5	<0.2
1234480	Soil	63	1.15	369	0.074	1	4.37	0.009	0.71	0.3	<0.01	7.3	0.7	<0.05	12	<0.5	<0.2
1234481	Soil	24	0.36	113	0.018	2	1.85	0.012	0.25	0.2	0.05	1.3	0.2	0.18	6	1.1	<0.2
1234482	Soil	54	1.10	298	0.114	1	3.54	0.012	0.77	0.6	0.01	8.3	0.6	0.05	10	0.6	<0.2
1234483	Soil	45	0.65	142	0.040	2	2.53	0.007	0.34	0.3	0.03	2.6	0.3	0.09	9	0.9	<0.2
1234484	Soil	15	0.16	75	0.011	<1	0.91	0.011	0.08	0.1	<0.01	1.0	<0.1	0.06	4	0.6	<0.2



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 19, 2011

Page: 5 of 5 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1234485	Soil	4.7	37.6	9.2	82	1.2	43.1	7.1	133	2.12	5.4	2.9	0.8	15	0.8	0.1	0.2	74	0.10	0.043
1234486	Soil	3.5	30.9	14.3	72	0.4	53.6	13.0	559	2.05	6.5	1.7	0.3	21	2.0	0.2	0.2	46	0.25	0.084
1234487	Soil	1.1	14.3	8.0	26	0.2	18.3	4.1	158	1.24	0.5	0.8	0.2	15	0.3	0.1	0.2	39	0.19	0.041
1234488	Soil	0.3	2.4	1.7	6	<0.1	2.5	0.6	17	0.22	<0.5	<0.5	<0.1	5	<0.1	<0.1	<0.1	8	0.03	0.030
1234489	Soil	1.5	22.5	12.8	51	0.2	36.1	8.4	161	3.45	2.9	1.6	3.3	8	0.2	0.2	0.2	85	0.07	0.042
1234490	Soil	0.4	9.8	5.0	8	1.1	5.7	1.3	22	0.54	<0.5	1.5	<0.1	7	<0.1	<0.1	<0.1	11	0.04	0.043
1234491	Soil	1.0	28.8	11.2	49	0.5	94.2	12.3	174	2.89	4.1	2.5	2.4	14	0.1	0.2	0.2	62	0.14	0.038
1234492	Soil	0.4	10.0	4.5	27	0.1	18.1	4.2	73	0.99	0.9	1.0	0.5	6	<0.1	0.1	<0.1	31	0.09	0.025
1234493	Soil	0.8	17.6	8.0	45	0.2	37.9	7.7	162	2.22	1.9	2.2	2.3	5	0.1	0.2	0.2	58	0.11	0.046
1234494	Soil	0.4	10.6	5.0	15	0.2	9.2	1.9	45	0.56	<0.5	2.0	0.2	4	0.1	<0.1	<0.1	19	0.05	0.028
1234495	Soil	0.7	14.8	7.4	39	0.2	39.6	6.0	148	1.14	1.1	2.7	1.2	5	0.1	<0.1	0.1	43	0.09	0.026
1234496	Soil	0.3	1.9	2.3	5	<0.1	5.2	0.7	17	0.16	<0.5	1.5	0.1	5	<0.1	<0.1	<0.1	10	0.07	0.008
1234497	Soil	1.4	23.1	9.7	65	0.3	116.6	15.1	502	2.54	3.2	1.7	1.5	13	0.2	0.2	0.2	61	0.11	0.026
1234498	Soil	1.5	16.0	9.0	50	0.1	54.9	8.8	124	2.23	2.7	2.0	2.6	7	0.2	0.2	0.2	52	0.07	0.025
1234499	Soil	0.6	10.3	9.1	57	0.1	46.8	6.6	126	1.89	1.9	2.3	2.9	8	0.1	<0.1	0.2	65	0.10	0.018
1234500	Soil	0.4	13.4	5.5	38	0.1	88.9	14.5	115	2.04	<0.5	2.2	0.9	14	<0.1	<0.1	<0.1	68	0.24	0.006
1220694	Silt	0.8	7.5	3.6	31	<0.1	7.1	5.6	157	3.13	1.7	14.7	10.6	16	<0.1	0.2	0.1	104	0.41	0.097
1220695	Silt	0.7	6.8	2.9	31	0.1	8.8	4.9	206	2.35	4.9	29.1	8.9	16	0.1	0.2	<0.1	69	0.40	0.088
1220696	Silt	1.2	52.2	9.4	54	0.3	142.2	18.4	362	3.05	10.4	1.8	2.2	22	0.4	0.2	0.2	73	0.41	0.061
1220697	Silt	0.4	19.0	7.1	40	0.2	541.4	27.4	479	2.37	13.8	3.1	0.9	19	0.2	0.4	0.1	25	0.45	0.091
1220698	Silt	1.8	36.7	9.6	122	0.5	279.4	23.7	828	3.54	387.5	245.3	1.6	27	2.4	0.7	0.2	48	0.39	0.078



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 19, 2011

Page: 5 of 5 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1234485	Soil	69	0.77	134	0.040	1	2.00	0.016	0.16	0.2	0.03	3.0	0.2	0.07	7	2.0	<0.2
1234486	Soil	42	0.55	178	0.023	1	1.55	0.011	0.16	0.1	0.03	2.0	0.1	0.08	6	1.7	<0.2
1234487	Soil	24	0.26	149	0.027	1	0.96	0.013	0.16	<0.1	0.02	2.2	0.1	<0.05	6	0.6	<0.2
1234488	Soil	3	0.02	27	0.005	<1	0.17	0.023	0.03	<0.1	<0.01	0.8	<0.1	0.05	1	<0.5	<0.2
1234489	Soil	55	0.75	136	0.114	2	2.34	0.008	0.21	0.3	<0.01	5.7	0.2	<0.05	12	<0.5	<0.2
1234490	Soil	10	0.04	60	0.007	<1	0.64	0.016	0.04	<0.1	0.04	1.4	<0.1	<0.05	2	<0.5	<0.2
1234491	Soil	78	0.98	147	0.076	<1	2.21	0.008	0.17	0.3	0.03	4.8	0.2	<0.05	7	<0.5	<0.2
1234492	Soil	38	0.25	44	0.038	1	0.77	0.011	0.05	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1234493	Soil	74	0.51	83	0.083	<1	1.16	0.017	0.09	0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1234494	Soil	29	0.09	59	0.017	1	0.37	0.010	0.04	<0.1	0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
1234495	Soil	75	0.51	69	0.062	<1	1.04	0.008	0.09	0.1	0.01	2.6	<0.1	<0.05	6	0.7	<0.2
1234496	Soil	22	0.04	43	0.025	<1	0.17	0.017	0.02	<0.1	0.01	1.1	<0.1	<0.05	2	0.6	<0.2
1234497	Soil	121	1.08	283	0.060	1	1.57	0.011	0.11	0.3	0.01	3.9	0.1	<0.05	7	<0.5	<0.2
1234498	Soil	68	0.51	106	0.067	1	1.50	0.007	0.08	0.3	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
1234499	Soil	92	1.14	125	0.086	1	1.92	0.012	0.06	0.2	0.01	5.8	0.1	<0.05	9	0.8	<0.2
1234500	Soil	181	1.46	155	0.171	<1	1.97	0.033	0.04	<0.1	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
1220694	Silt	25	0.23	127	0.066	<1	0.76	0.007	0.05	2.3	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1220695	Silt	21	0.21	90	0.053	<1	0.56	0.008	0.04	2.7	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1220696	Silt	112	1.37	284	0.106	2	1.98	0.020	0.35	0.4	0.03	5.4	0.3	<0.05	6	1.0	<0.2
1220697	Silt	243	1.82	154	0.021	5	1.03	0.011	0.05	0.8	0.03	2.6	<0.1	<0.05	2	0.7	<0.2
1220698	Silt	182	1.35	187	0.035	2	1.94	0.011	0.11	7.3	0.04	4.3	0.2	<0.05	4	3.1	<0.2



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:

LOT - BER

Report Date:

November 19, 2011

Page:

1 of 1

Part 1

QUALITY CONTROL REPORT

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1234346	Soil	0.9	8.5	9.3	40	0.2	104.3	8.4	172	2.58	18.4	<0.5	1.4	13	0.2	0.4	0.3	49	0.04	0.029	7
REP 1234346	QC	0.8	8.3	9.5	42	0.2	108.6	8.3	173	2.57	18.8	63.8	1.4	14	0.2	0.4	0.3	50	0.04	0.029	7
1234362	Soil	1.1	14.0	11.4	53	<0.1	46.7	9.0	278	3.18	10.6	2.2	5.7	11	0.2	0.5	0.4	35	0.07	0.029	9
REP 1234362	QC	1.1	14.8	11.3	57	<0.1	48.8	9.3	283	3.35	10.3	0.6	5.7	12	0.2	0.6	0.4	36	0.07	0.030	9
1234425	Soil	0.7	12.8	8.0	25	0.2	14.8	3.9	98	1.10	0.8	0.9	0.3	12	0.2	0.1	0.2	32	0.09	0.034	9
REP 1234425	QC	0.6	12.8	7.8	26	0.2	15.8	3.9	97	1.12	<0.5	<0.5	0.2	12	0.1	<0.1	0.2	32	0.09	0.032	9
1234452	Soil	0.6	16.6	8.6	72	<0.1	196.7	16.8	374	3.64	91.3	33.8	4.8	12	0.2	0.4	0.2	63	0.13	0.053	14
REP 1234452	QC	0.6	17.0	8.5	72	<0.1	200.4	16.4	373	3.63	91.2	11.8	4.8	13	0.1	0.5	0.2	62	0.13	0.051	13
1234479	Soil	1.4	29.6	15.7	52	<0.1	36.5	12.6	217	3.08	5.0	3.0	4.1	20	0.3	0.3	0.2	53	0.13	0.042	16
REP 1234479	QC	1.4	30.0	15.3	54	<0.1	38.2	13.0	226	3.29	4.4	1.5	4.2	21	0.3	0.3	0.2	55	0.14	0.047	16
1234497	Soil	1.4	23.1	9.7	65	0.3	116.6	15.1	502	2.54	3.2	1.7	1.5	13	0.2	0.2	0.2	61	0.11	0.026	11
REP 1234497	QC	1.6	22.9	9.7	62	0.3	116.9	15.0	494	2.53	3.3	1.9	1.4	13	0.2	0.2	0.2	63	0.11	0.028	12
1220697	Silt	0.4	19.0	7.1	40	0.2	541.4	27.4	479	2.37	13.8	3.1	0.9	19	0.2	0.4	0.1	25	0.45	0.091	13
REP 1220697	QC	0.4	20.4	8.5	41	0.1	551.1	27.8	496	2.49	14.2	1.9	0.9	19	0.2	0.3	0.1	26	0.44	0.095	13
Reference Materials																					
STD DS8	Standard	12.5	107.4	117.8	298	1.7	36.3	7.0	579	2.32	25.1	103.2	5.9	65	2.3	4.8	5.6	43	0.67	0.075	14
STD DS8	Standard	12.2	99.7	120.5	295	1.9	34.8	7.2	588	2.40	23.1	103.5	6.8	69	2.3	5.5	6.4	41	0.68	0.078	15
STD DS8	Standard	12.6	104.8	120.3	310	1.7	35.8	6.9	599	2.38	24.2	118.3	6.4	67	2.1	5.4	6.3	41	0.67	0.079	15
STD DS8	Standard	12.0	109.6	118.5	305	1.8	38.2	7.4	588	2.37	24.6	121.2	6.1	64	2.3	5.5	6.3	41	0.66	0.075	14
STD DS8	Standard	11.7	100.0	119.7	295	1.7	34.4	6.6	545	2.29	23.7	111.5	6.6	69	2.1	5.4	6.4	38	0.67	0.072	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
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	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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:

LOT - BER

Report Date:

November 19, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

WHI11001863.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1234346	Soil	155	0.60	36	0.027	1	1.14	0.010	0.03	0.5	0.02	1.7	<0.1	<0.05	8	<0.5	<0.2
REP 1234346	QC	163	0.61	37	0.029	<1	1.18	0.009	0.04	0.5	<0.01	1.7	<0.1	<0.05	8	<0.5	<0.2
1234362	Soil	61	0.62	90	0.027	<1	2.26	0.013	0.07	0.2	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
REP 1234362	QC	64	0.64	94	0.029	<1	2.29	0.007	0.08	0.3	0.03	2.1	<0.1	<0.05	6	0.5	<0.2
1234425	Soil	28	0.30	97	0.044	<1	1.09	0.014	0.10	0.1	0.03	1.2	0.1	<0.05	4	<0.5	<0.2
REP 1234425	QC	28	0.29	96	0.040	<1	1.09	0.013	0.10	0.2	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
1234452	Soil	132	1.25	145	0.078	<1	2.09	0.017	0.13	2.1	<0.01	5.6	0.2	<0.05	8	<0.5	<0.2
REP 1234452	QC	134	1.25	151	0.076	1	2.16	0.015	0.13	2.1	0.02	5.7	0.2	<0.05	8	<0.5	<0.2
1234479	Soil	39	0.76	206	0.080	1	2.48	0.009	0.30	0.3	0.01	5.1	0.3	<0.05	7	<0.5	<0.2
REP 1234479	QC	41	0.80	209	0.084	1	2.53	0.010	0.34	0.3	0.02	5.6	0.4	<0.05	7	0.9	<0.2
1234497	Soil	121	1.08	283	0.060	1	1.57	0.011	0.11	0.3	0.01	3.9	0.1	<0.05	7	<0.5	<0.2
REP 1234497	QC	121	1.13	283	0.059	<1	1.63	0.010	0.12	0.2	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
1220697	Silt	243	1.82	154	0.021	5	1.03	0.011	0.05	0.8	0.03	2.6	<0.1	<0.05	2	0.7	<0.2
REP 1220697	QC	260	1.93	152	0.023	5	1.08	0.012	0.06	0.7	0.03	2.5	<0.1	<0.05	3	0.9	<0.2
Reference Materials																	
STD DS8	Standard	113	0.59	280	0.101	4	1.00	0.107	0.47	2.9	0.19	3.2	5.4	0.17	5	6.1	5.3
STD DS8	Standard	109	0.60	278	0.115	2	0.89	0.099	0.40	2.9	0.19	2.6	5.3	0.16	5	3.6	4.6
STD DS8	Standard	110	0.57	266	0.110	3	0.88	0.096	0.41	2.9	0.20	2.4	5.3	0.14	5	5.1	4.9
STD DS8	Standard	116	0.59	273	0.116	2	0.87	0.081	0.39	3.0	0.18	2.1	5.2	0.13	4	5.3	4.7
STD DS8	Standard	105	0.56	265	0.113	2	0.86	0.089	0.39	2.9	0.17	2.3	5.2	0.17	5	5.1	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

Appendix V: Rock Sample Assay Certificates

Note: Samples 1224388 and 1224389 from certificate WHI11001717.1 are not from the Berg Property.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Goldspike Exploration Inc.

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

Submitted By: Bruce Durham

Receiving Lab: Canada-Whitehorse

Received: September 23, 2011

Report Date: November 16, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001717.1

CLIENT JOB INFORMATION

Project: LOT - BER
Shipment ID: BER RX(1-2)
P.O. Number
Number of Samples: 26

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

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

CC: Daniel Ferraro
Robert Middleton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	26	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	26	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	26	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client:

Goldspike Exploration Inc.

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

Project:

LOT - BER

Report Date:

November 16, 2011

Page:

2 of 2

Part 1

CERTIFICATE OF ANALYSIS

WHI11001717.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1222756	Rock	1.61	<2	0.2	2.0	2.9	1	<0.1	1.5	0.5	67	0.26	2.5	<0.5	0.2	31	<0.1	<0.1	<0.1	<2	0.42
1222757	Rock	2.07	7	0.6	22.2	9.8	34	<0.1	43.4	21.0	313	5.75	0.9	2.3	11.9	33	<0.1	<0.1	0.3	140	0.26
1222758	Rock	2.08	<2	<0.1	3.3	2.0	<1	<0.1	2.4	0.8	24	0.30	0.6	<0.5	0.3	16	<0.1	<0.1	<0.1	<2	0.11
1222759	Rock	1.65	<2	0.7	6.8	7.0	15	<0.1	9.7	3.4	345	1.07	1.4	<0.5	3.4	243	0.4	<0.1	0.1	23	4.20
1222760	Rock	1.79	<2	0.2	4.6	0.8	3	<0.1	2.6	0.6	41	0.51	1.0	1.2	0.8	<1	<0.1	<0.1	<0.1	5	0.02
1222761	Rock	1.56	<2	0.5	33.9	9.4	39	<0.1	51.5	25.8	473	5.79	<0.5	1.4	13.0	18	0.2	<0.1	0.1	135	0.22
1222762	Rock	1.33	3	3.7	46.7	8.4	31	<0.1	35.6	16.8	447	4.60	0.8	1.6	8.2	19	0.1	<0.1	1.0	113	0.30
1222763	Rock	2.00	<2	1.2	22.7	9.8	7	0.1	21.0	8.0	1751	1.39	0.8	<0.5	7.1	455	0.2	<0.1	0.1	10	17.38
1222764	Rock	3.01	<2	1.4	22.9	4.7	55	0.1	0.6	1.6	516	3.36	0.8	0.6	3.7	32	<0.1	0.1	4.7	30	0.59
1222765	Rock	0.95	<2	0.2	1.5	0.6	2	<0.1	1.3	0.5	55	0.36	0.8	<0.5	0.2	9	<0.1	<0.1	<0.1	2	0.19
1222766	Rock	1.49	<2	<0.1	0.2	0.3	32	<0.1	482.0	93.7	317	13.84	31.6	<0.5	0.1	<1	<0.1	0.2	<0.1	138	0.05
1222767	Rock	1.94	<2	<0.1	3.4	0.4	17	<0.1	1650	70.7	568	3.65	75.7	<0.5	<0.1	1	<0.1	0.1	<0.1	10	0.34
1222768	Rock	0.98	<2	0.2	52.6	2.1	59	0.1	20.0	4.2	144	2.13	24.0	0.5	3.7	45	0.1	0.2	<0.1	37	1.03
1222769	Rock	0.97	<2	1.0	15.2	14.1	35	0.3	17.7	7.4	388	1.97	11.1	<0.5	4.1	11	0.1	0.1	0.3	13	0.30
1222770	Rock	1.12	<2	1.6	8.6	5.1	20	<0.1	5.8	1.5	159	0.64	13.5	1.8	0.3	5	0.2	0.3	<0.1	2	0.08
1222771	Rock	1.21	<2	0.1	12.3	0.6	5	<0.1	1.1	0.3	51	1.13	89.2	1.3	1.2	2	<0.1	0.1	<0.1	3	0.01
1224388	Rock	1.37	5	0.4	29.4	10.8	81	<0.1	27.7	15.3	600	4.18	12.1	3.8	16.9	14	0.2	0.1	0.1	90	0.19
1224389	Rock	0.84	5	0.3	10.0	10.0	18	<0.1	5.9	3.4	174	1.11	5.3	1.5	13.1	5	<0.1	0.3	<0.1	17	0.05
1224390	Rock	1.20	<2	<0.1	1.7	1.4	2	<0.1	1.5	0.4	25	0.30	0.8	<0.5	0.1	2	<0.1	<0.1	<0.1	<2	<0.01
1224391	Rock	1.39	<2	0.1	7.3	5.2	34	<0.1	11.9	5.7	112	1.25	1.3	<0.5	0.6	1	<0.1	<0.1	<0.1	13	<0.01
1224392	Rock	1.79	4	0.5	2.6	1.5	2	1.1	0.7	0.2	17	0.60	6.3	5.3	1.1	5	<0.1	1.8	0.1	2	<0.01
1224393	Rock	1.92	<2	0.1	14.8	7.7	23	<0.1	6.6	2.6	76	1.11	1.0	<0.5	6.3	2	<0.1	<0.1	0.3	14	0.03
1224394	Rock	1.00	5	0.6	10.6	3.3	21	0.2	3.8	1.8	44	0.99	12.2	1.2	3.3	12	<0.1	0.7	0.8	19	<0.01
1224395	Rock	0.85	9	<0.1	4.2	0.2	17	<0.1	1585	66.9	295	4.93	8.0	<0.5	<0.1	<1	<0.1	<0.1	<0.1	26	<0.01
1224396	Rock	0.57	<2	0.2	14.6	1.9	3	<0.1	13.6	2.2	38	0.62	47.0	3.4	0.3	1	<0.1	0.3	<0.1	<2	<0.01
1224397	Rock	0.28	6	<0.1	0.3	0.4	18	<0.1	306.6	32.8	408	3.02	1.8	0.6	<0.1	1	<0.1	<0.1	<0.1	12	0.03



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER
Report Date: November 16, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001717.1

	Method Analyte Unit MDL	1DX P	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Tl	1DX S	1DX Sc	1DX Se	1DX Ga	1DX Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1222756	Rock	0.038	1	2	0.02	23	0.002	<20	0.74	0.050	0.02	0.4	<0.01	<0.1	<0.05	0.5	<0.5	1	<0.2
1222757	Rock	0.065	31	81	1.55	747	0.360	<20	4.05	0.112	2.44	<0.1	<0.01	1.0	<0.05	17.1	<0.5	14	<0.2
1222758	Rock	0.011	1	<1	0.02	14	0.003	<20	0.25	0.039	0.01	0.2	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1222759	Rock	0.106	10	11	0.19	102	0.040	<20	5.62	0.101	0.06	12.2	<0.01	<0.1	0.07	1.8	<0.5	17	<0.2
1222760	Rock	0.001	2	4	0.06	40	0.015	<20	0.19	0.006	0.07	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1222761	Rock	0.077	36	93	1.74	1153	0.287	<20	4.09	0.073	2.36	<0.1	<0.01	0.8	<0.05	15.7	<0.5	14	<0.2
1222762	Rock	0.070	27	74	1.48	536	0.221	<20	3.30	0.078	1.44	<0.1	<0.01	0.5	<0.05	11.2	<0.5	12	<0.2
1222763	Rock	0.080	10	7	0.16	104	0.038	<20	5.46	0.140	0.02	0.1	<0.01	<0.1	0.50	1.2	0.6	11	<0.2
1222764	Rock	0.072	7	10	0.90	102	0.230	<20	1.73	0.008	0.18	0.3	<0.01	0.2	0.28	4.1	4.9	3	0.2
1222765	Rock	0.004	<1	2	0.05	167	0.007	<20	0.14	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1222766	Rock	0.009	<1	1122	9.87	4	0.034	20	2.47	<0.001	<0.01	0.5	<0.01	<0.1	<0.05	26.1	<0.5	3	<0.2
1222767	Rock	0.001	<1	374	14.14	10	0.003	<20	0.21	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	4.9	<0.5	<1	<0.2
1222768	Rock	0.045	5	31	0.90	255	0.051	<20	2.82	0.109	0.36	<0.1	<0.01	0.6	0.07	4.8	1.6	8	<0.2
1222769	Rock	0.025	11	13	0.66	46	0.021	<20	1.10	0.015	0.09	<0.1	<0.01	<0.1	<0.05	1.8	1.7	3	<0.2
1222770	Rock	0.035	<1	2	0.19	14	<0.001	<20	0.22	0.004	0.03	0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2
1222771	Rock	0.009	2	<1	0.10	4	<0.001	<20	0.15	0.004	<0.01	<0.1	<0.01	<0.1	<0.05	0.4	0.9	<1	<0.2
1224388	Rock	0.037	27	66	1.00	202	0.301	<20	2.43	0.052	1.12	0.1	<0.01	0.5	<0.05	9.8	0.6	10	<0.2
1224389	Rock	0.009	10	14	0.21	43	0.079	<20	0.63	0.059	0.35	0.4	<0.01	0.2	<0.05	2.2	0.6	3	<0.2
1224390	Rock	0.001	<1	1	<0.01	13	<0.001	<20	0.05	0.001	0.02	<0.1	<0.01	<0.1	<0.05	0.1	<0.5	<1	<0.2
1224391	Rock	0.008	1	5	<0.01	20	0.001	<20	0.15	<0.001	0.03	<0.1	0.02	<0.1	<0.05	1.3	<0.5	<1	<0.2
1224392	Rock	0.004	5	3	<0.01	353	<0.001	<20	0.11	0.001	0.06	<0.1	0.50	<0.1	<0.05	0.2	<0.5	<1	0.4
1224393	Rock	0.022	11	21	0.16	89	0.053	<20	0.41	0.003	0.29	<0.1	0.01	0.1	<0.05	1.1	<0.5	2	<0.2
1224394	Rock	0.008	11	8	<0.01	112	<0.001	<20	0.23	<0.001	0.06	<0.1	0.19	0.1	<0.05	1.0	0.9	1	0.3
1224395	Rock	<0.001	<1	853	10.77	3	0.002	<20	0.14	0.002	<0.01	<0.1	<0.01	<0.1	<0.05	3.7	<0.5	<1	<0.2
1224396	Rock	0.004	2	<1	0.05	6	0.001	<20	0.09	0.002	0.02	1.0	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1224397	Rock	0.003	<1	545	7.22	16	<0.001	<20	0.05	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	3.2	<0.5	<1	<0.2



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:

LOT - BER

Report Date:

November 16, 2011

Page:

1 of 2

Part 1

QUALITY CONTROL REPORT

WHI11001717.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1222770	Rock	1.12	<2	1.6	8.6	5.1	20	<0.1	5.8	1.5	159	0.64	13.5	1.8	0.3	5	0.2	0.3	<0.1	2	0.08
REP 1222770	QC			1.6	8.7	5.6	19	0.1	6.2	1.5	161	0.65	13.2	<0.5	0.2	5	0.2	0.3	<0.1	2	0.08
Core Reject Duplicates																					
1222757	Rock	2.07	7	0.6	22.2	9.8	34	<0.1	43.4	21.0	313	5.75	0.9	2.3	11.9	33	<0.1	<0.1	0.3	140	0.26
DUP 1222757	QC		6	0.5	22.1	9.3	39	<0.1	41.8	20.5	296	5.60	0.7	3.3	12.2	29	<0.1	<0.1	0.3	133	0.24
Reference Materials																					
STD DS8	Standard			14.8	116.0	131.9	321	1.8	39.8	7.8	637	2.63	26.6	106.9	7.3	75	2.6	4.7	7.5	43	0.75
STD OREAS45CA	Standard			0.6	532.6	21.5	64	0.3	268.4	94.8	991	17.32	4.6	37.0	7.0	17	0.1	<0.1	0.2	216	0.46
STD OXC88	Standard		199																		
STD OXC88	Standard		209																		
STD OXC88	Standard		208																		
STD OXC88	Standard		190																		
STD OXH82	Standard		1272																		
STD OXH82	Standard		1297																		
STD OXH82	Standard		1307																		
STD OXH82	Standard		1265																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		



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

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: LOT - BER

Report Date: November 16, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001717.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
1222770	Rock	0.035	<1	2	0.19	14	<0.001	<20	0.22	0.004	0.03	0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2
REP 1222770	QC	0.036	<1	2	0.19	13	<0.001	<20	0.22	0.004	0.03	0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2
Core Reject Duplicates																			
1222757	Rock	0.065	31	81	1.55	747	0.360	<20	4.05	0.112	2.44	<0.1	<0.01	1.0	<0.05	17.1	<0.5	14	<0.2
DUP 1222757	QC	0.062	34	78	1.49	695	0.351	<20	3.98	0.102	2.35	<0.1	<0.01	1.0	<0.05	16.1	<0.5	13	<0.2
Reference Materials																			
STD DS8	Standard	0.082	17	120	0.64	321	0.125	<20	0.99	0.100	0.44	2.8	0.20	5.8	0.17	2.3	5.7	5	5.2
STD OREAS45CA	Standard	0.041	17	689	0.18	167	0.137	<20	4.06	0.009	0.08	<0.1	0.03	<0.1	<0.05	41.6	1.3	20	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5.2
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
STD OXC88 Expected																			
STD OXH82 Expected																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		



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: LOT - BER

Report Date: November 16, 2011

Page: 2 of 2 **Part** 1

QUALITY CONTROL REPORT

WHI11001717.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank	<2																			
Prep Wash																					
G1	Prep Blank	<2	0.5	2.3	3.2	53	<0.1	4.0	4.4	599	2.09	0.7	<0.5	6.2	69	<0.1	<0.1	<0.1	40	0.52	
G1	Prep Blank	3	0.1	2.2	3.0	50	<0.1	3.7	4.5	599	2.10	0.6	0.6	5.9	68	<0.1	<0.1	<0.1	40	0.53	



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: LOT - BER

Report Date: November 16, 2011

Page: 2 of 2 **Part** 2

QUALITY CONTROL REPORT

WHI11001717.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Tl ppm	1DX S %	1DX Sc ppm	1DX Se ppm	1DX Ga ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.085	12	6	0.62	230	0.144	<20	1.04	0.083	0.52	0.2	<0.01	0.3	<0.05	2.2	<0.5	6	<0.2
G1	Prep Blank	0.084	12	6	0.61	226	0.139	<20	1.04	0.085	0.51	0.2	<0.01	0.3	<0.05	2.1	<0.5	5	<0.2