ASSESSMENT REPORT

2013 GEOCHEMICAL PROGRAM

on the

Livingstone Property

Whitehorse Mining District, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: 'LIV' 1-66 (YD119011 – YD119076), 'LT' 1-3 (YD155673 - YD155675), 'LT' 5-8 (YD155677 – YD155680), 'LT' 9 (YD155690)
NTS Mapsheet: 105E08
UTM Coordinates: E538000, N6805000 (NAD83, Zone 8)
Owner: Goldspike Exploration Inc.
Author: D. Ferraro, HBSc.
Dates worked performed: August 21st, 2013

TABLE OF CONTENTS

Figures and Tables

Appendices

1.0 SUMMARY

A one day geochemical sampling and geological reconnaissance program was conducted on the Livingstone Property on August 21st, 2013. The property is owned 100% by Goldspike Exploration Inc. and presently consists of 100 contiguous quartz claims located in the Whitehorse Mining District. The claims filed for in this report cover 74 of the 100 claims.

The Livingstone Property is situated in the Livingstone Creek area, approximately 85 km northeast of Whitehorse. The property was accessed by fixed-wing aircraft using the Livingstone airstrip as well as a helicopter out of Whitehorse. There is also a winter road that sees some use.

Geologically, the property is located within the Yukon-Tanana Terrane; a composite of crustal blocks including former volcanic island arc and continental shelf depositional environments. The present claims extend far enough east to cover the contact between an Early Mississippian intrusion and Devonian metaquartzite and schist at the headwaters of Lake and Cottoneva Creeks. They also extend far enough south to cover the ridge and the cirque at the southeast extremity of the Lake Creek drainage. Glacial overburden is extensive in the area, especially within the creek valleys.

A total of 14 rock samples and 1 soil sample were taken. The main objective was follow-up of an 8.2 g/t Au float sample of quartz vein, taken in 2011. A sulfur-rich quartz vein breccia in bedrock was uncovered in the vicinity. This assayed 10.7 g/t Au, <100 ppm Ag with high Pb, Cu, Mo, As, and anomalous Hg and Te. This area was also discovered to be at a contact between biotite schist and silicified gneiss.

The Livingstone Property is located in a geological setting favourable to gold mineralization. The extensive placer history of the area, previous and current geochemical and geophysical surveys show the need for follow-up work. An IP survey is recommended to pinpoint sulfide mineralization and faults, which have been said in literature to control the mineralization in the area. A geochemical soil sampling survey as well as further prospecting is also 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 2013 geochemical and reconnaissance program on the Livingstone Property. Field work was performed by Druid Exploration Inc. of Dawson City, Yukon, the author of this report, and B. Durham. The report text and maps were produced by D. Ferraro, of Ferraro Consulting Ltd. of Woodstock, ON.

3.0 PROPERTY LOCATION AND ACCESS

The Livingstone Property is located approximately 85 km northeast of Whitehorse, YT (Figure 1). The property was accessed by fixed-wing aircraft using the Livingstone airstrip as well as a helicopter out of Whitehorse. There is also a winter road that sees some use.

The approximate center of the property is located at UTM coordinates E538000, N6805000 (NAD83, Zone 8).

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Livingstone Property is located in a sparsely forested area of high rolling hills to rough mountainous terrain. It covered numerous large creek drainage systems including Cottoneva Creek, Summit Creek and Lake Creek. Topographically, the property ranges from 1500 m at peaks to 1000 m in the creek drainages. The airstrip is at ~800 m elevation.

Vegetation in the area is relatively sparse. Moss, lichen, grasses and buck brush cover much of the higher slopes throughout the property. Willow, buck-brush and black spruce are found spread-out through the valleys, along with other varieties of moss and long grasses.

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.

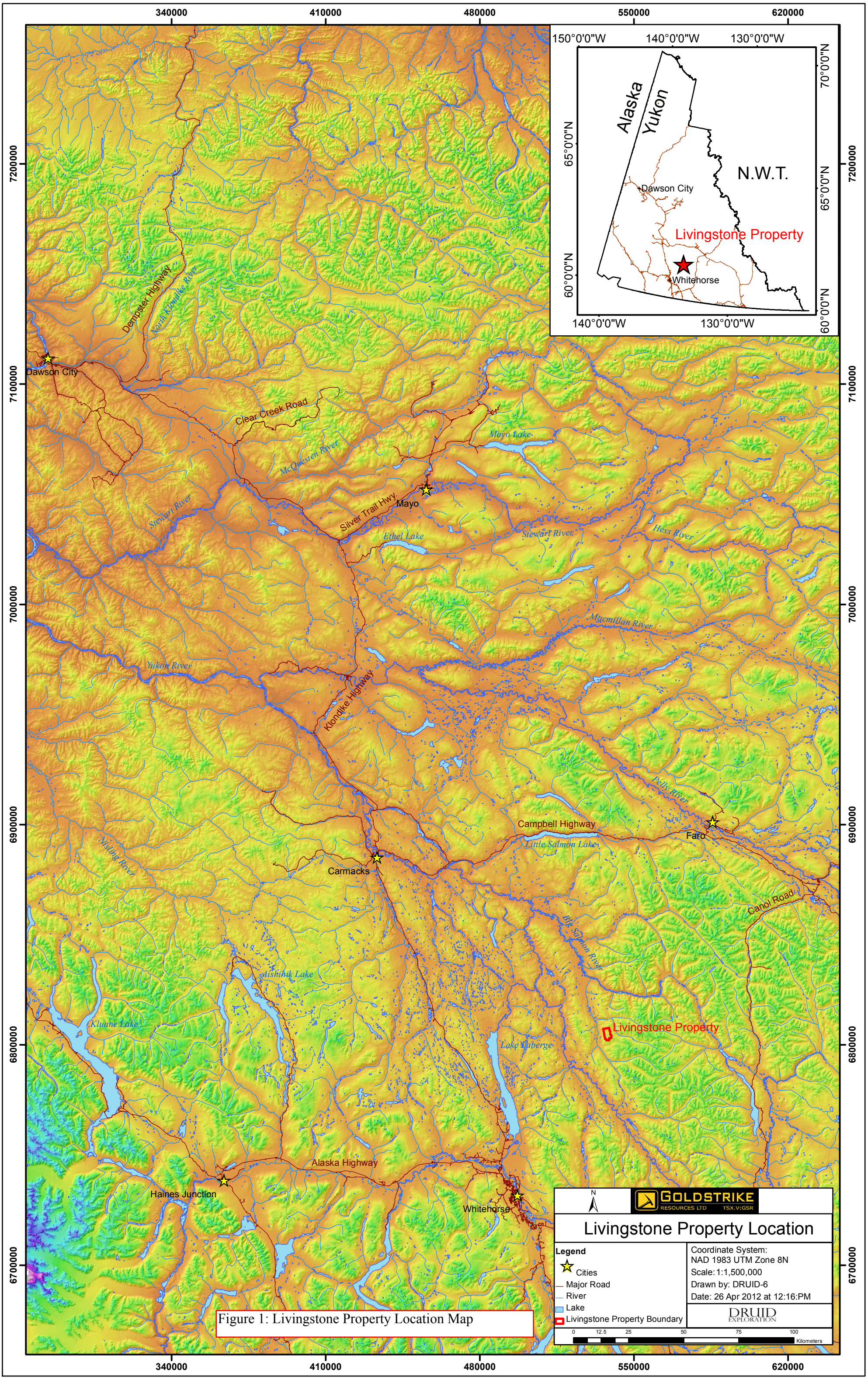


Figure 1: Livingstone Property Location Map

5.0 PROPERTY DESCRIPTION

The Livingstone Property consists of 100 contiguous quartz claims in the Whitehorse Mining District, mapsheet 105E08 (see Figure 2 for claim map). This report of work only covers the 66 'LIV' claims and 8 'LT' claims. An additional 26 'LTE' claims were staked, but have not had work done (included at the bottom of Table 1). All claims are owned 100% by Goldspike Exploration Inc. of Toronto, Ontario. A complete list of the mining claims that make up the Livingstone Property is as follows:

Table 1: Claims comprising the Livingstone Property.

Claim name	Claim No.	Grant No.	Claim Owner	%	Claim Expiry Date	Status
LIV	1	YD119011	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	2	YD119012	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	3	YD119013	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	4	YD119014	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	5	YD119015	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	6	YD119016	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	7	YD119017	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	8	YD119018	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	9	YD119019	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	10	YD119020	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	11	YD119021	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	12	YD119022	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	13	YD119023	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	14	YD119024	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	15	YD119025	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	16	YD119026	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	17	YD119027	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	18	YD119028	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	19	YD119029	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	20	YD119030	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	21	YD119031	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	22	YD119032	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	23	YD119033	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	24	YD119034	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	25	YD119035	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	26	YD119036	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	27	YD119037	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	28	YD119038	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	29	YD119039	Goldspike Exploration Inc.	100	30/11/2017	Active

LIV	30	YD119040	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	31	YD119041	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	32	YD119042	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	33	YD119043	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	34	YD119044	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	35	YD119045	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	36	YD119046	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	37	YD119047	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	38	YD119048	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	39	YD119049	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	40	YD119050	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	41	YD119051	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	42	YD119052	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	43	YD119053	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	44	YD119054	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	45	YD119055	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	46	YD119056	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	47	YD119057	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	48	YD119058	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	49	YD119059	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	50	YD119060	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	51	YD119061	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	52	YD119062	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	53	YD119063	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	54	YD119064	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	55	YD119065	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	56	YD119066	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	57	YD119067	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	58	YD119068	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	59	YD119069	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	60	YD119070	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	61	YD119071	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	62	YD119072	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	63	YD119073	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	64	YD119074	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	65	YD119075	Goldspike Exploration Inc.	100	30/11/2017	Active
LIV	66	YD119076	Goldspike Exploration Inc.	100	30/11/2017	Active
LT	1	YD155673	Goldspike Exploration Inc.	100	28/09/2017	Active
LT	2	YD155674	Goldspike Exploration Inc.	100	28/09/2017	Active
LT	3	YD155675	Goldspike Exploration Inc.	100	28/09/2017	Active
LT	5	YD155677	Goldspike Exploration Inc.	100	28/09/2017	Active

LT	6	YD155678	Goldspike Exploration Inc.	100	28/09/2017	Active
LT	7	YD155679	Goldspike Exploration Inc.	100	28/09/2017	Active
LT	8	YD155680	Goldspike Exploration Inc.	100	28/09/2017	Active
LT	9	YD155690	Goldspike Exploration Inc.	100	28/09/2017	Active
LTE*	1	YD155681	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	2	YD155682	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	3	YD155683	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	4	YD155684	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	5	YD155685	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	6	YD155686	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	7	YD155687	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	8	YD155688	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	9	YD155985	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	10	YD155986	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	11	YD155987	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	12	YD155988	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	13	YD155989	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	14	YD155990	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	15	YD155991	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	16	YD155992	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	17	YD155993	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	18	YD155994	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	19	YE77275	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	20	YE77276	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	21	YE77277	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	22	YE77278	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	23	YE77279	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	24	YE77280	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	25	YE77281	Goldspike Exploration Inc.	100	22/08/2014	Active
LTE*	26	YE77282	Goldspike Exploration Inc.	100	22/08/2014	Active

*****New LTE claims not included in this report of work.

Figure 2: Claim Location Map

Livingstone Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

Cottoneva Creek area,
Whitehorse Mining District

Legend

- LIV claims
- LT claims
- LTE claims (new staking)
- Yukon quartz claims

1:15,000

0 250 500 1,000 1,500 2,000 Meters

Date: November, 2013
Mapsheets: 105E08
Datum: UTM NAD83 Zone 8

533000 534000 535000 536000 537000 538000 539000 540000 541000 542000

6808000 6807000 6806000 6805000 6804000 6803000 6802000 6801000

LIV1 YD119011
LIV2 YD119012
LIV3 YD119013
LIV4 YD119014
LIV5 YD119015
LIV6 YD119016
LIV7 YD119017
LIV8 YD119018
LIV9 YD119019
LIV10 YD119020
LIV11 YD119021
LIV12 YD119022
LIV13 YD119023
LIV14 YD119024
LIV15 YD119025
LIV16 YD119026
LIV17 YD119027
LIV18 YD119028
LIV19 YD119029
LIV20 YD119030
LIV21 YD119031
LIV22 YD119032
LIV23 YD119033
LIV24 YD119034
LIV25 YD119035
LIV26 YD119036
LIV27 YD119037
LIV28 YD119038
LIV29 YD119039
LIV30 YD119040
LIV31 YD119041
LIV32 YD119042
LIV33 YD119043
LIV34 YD119044
LIV35 YD119045
LIV36 YD119046
LIV37 YD119047
LIV38 YD119048
LIV39 YD119049
LIV40 YD119050
LIV41 YD119051
LIV42 YD119052
LIV43 YD119053
LIV44 YD119054
LIV45 YD119055
LIV46 YD119056
LIV47 YD119057
LIV48 YD119058
LIV49 YD119059
LIV50 YD119060
LIV51 YD119061
LIV52 YD119062
LIV53 YD119063
LIV54 YD119064
LIV55 YD119065
LIV56 YD119066
LIV57 YD119067
LIV58 YD119068
LIV59 YD119069
LIV60 YD119070
LIV61 YD119071
LIV62 YD119072
LIV63 YD119073
LIV64 YD119074
LIV65 YD119075
LIV66 YD119076

LT1 YD155673
LT2 YD155674
LT3 YD155675
LT5 YD155677
LT6 YD155678
LT7 YD155679
LT8 YD155680
LT9 YD155690

LTE1 YD155681
LTE2 YD155682
LTE3 YD155683
LTE4 YD155684
LTE5 YD155685
LTE6 YD155686
LTE7 YD155687
LTE8 YD155688
LTE9 YD155985
LTE10 YD155986
LTE11 YD155987
LTE12 YD155988
LTE13 YD155989
LTE14 YD155990
LTE15 YD155991
LTE16 YD155992
LTE17 YD155993
LTE18 YD155994
LTE19 YE77275
LTE20 YE77276
LTE21 YE77277
LTE22 YE77278
LTE23 YE77279
LTE24 YE77280
LTE25 YE77281
LTE26 YE77282

Cottoneva Creek
Lake Creek
Mendocina Creek
Summit Creek
Livingstone Airfield
Livingstone Creek
Livingstone

6.0 PROPERTY HISTORY

Exploration in the Livingstone Creek area began in the 1880s when early prospectors found placer gold in river bars while travelling the Big Salmon River. As more substantial amounts were found on the Yukon River to the northwest, more prospectors began to explore the area. Livingstone Creek itself was first prospected by Joseph E. Peters in 1894. However the first major discovery in the area was in Cottoneva Creek in 1898 which led to the establishment of the Livingstone Camp (Levson, 1992). The other creeks in the area also were shown to host significant amounts of course gold. In 1905 a 39 ounce nugget was found on Summit Creek, a drainage immediately north of Livingstone. Although the camp hosted as many as 1500 people, placer production for the entire area almost ceased for about 20 years after WWI. After this period, production resumed and the creeks of the Livingstone camp have been continuously mined up to the present.

Little is known about early hard rock exploration in the area. It is assumed that some efforts to locate the lode source were made, and some small veins mined, but no significant find has been recorded. During the 1970s prospectors began to stake quartz claims in the area and carry out exploration. Gold prices during the 1980s led to junior exploration companies taking an interest. Table 2 below highlights some of the more recent hardrock exploration in the Livingstone area.

Table 2: Recent hardrock exploration in the Livingstone area.
:

Year	Company	Type of Work	Description/Results
1981	DuPont Exploration	Regional stream sediment survey	DuPont Exploration of Canada conducted a large widespread regional stream sediment survey across approximately 20,000 sq. km of land in southern Yukon and northern British Columbia. The Livingstone area was detected in that survey as having an anomalous gold and copper signature.
1983	Archer, Cathro & Associates	Trenching	Trenching was performed on the Horseshoe claim on Livingstone Creek to excavate an old adit on the claims. Adit was of interest due to mineralized vein quartz piled on surface with Au values up to 1.58 oz/ton and silver values up to 35 oz/ton. Adit was found to be small and caved in with discontinuous quartz veins with traces of galena-sphalerite mineralization. A fault was found across the face of the adit which is presumed to have terminated the Au mineralized vein (Cathro, 1983).
1992	Stroink and Friedrich	Geological report	In the early 1990's two German geologists conducted research on mineralized quartz-carbonate veins in the Livingstone area. They

			determined the mineralization is structurally controlled by NNE-striking faults and a set of NNW-trending joints. They concluded that veins carrying gold in the area were of epithermal origin and could be the source for the course placer gold at Livingstone because of chemical similarities between placer gold and gold from local quartz veins (Stroink and Friedrich, 1992).
1996	Edward Kosmonko	Grassroots prospecting, hand trenching	Kosmonko performed numerous traverses around the Livingstone area. Located a quartz field which he was unable to sample due to conditions. Located some small galena in quartz boulder showings (Kosmonko, 1996).
1997-present	Larry Carlyle	Rock, soil, stream sediment sampling; trenching; VLF-EM survey,	Geologist and prospector Larry Carlyle holds the CAM claims that cover numerous creeks adjacent to the west of Goldspike's property. Claims also cover the Horseshoe adit. Economic gold grades have been located at the Horseshoe adit over a strike length of 200m. Silicification is strongest at Livingstone Creek and gets weaker towards the north. Skarn mineralization was located at Little Violet Creek. Gold-in-soil anomalies were found but may have experienced glacial transport (Carlyle, 2000).
2005	Cordilleran Minerals Ltd.	Soil sampling	A soil sampling program was conducted on the large Liv Property (slightly north of Goldspike's property) to test for gold and copper mineralization associated with a large, circular landsat feature (interpreted to be a radial dike structure caused by recessive weathering over a buried intrusion). Five hundred and fifty-nine samples were taken, but sampling conditions were not ideal. "Assay results from the soil survey show anomalous enrichment in intrusion related mineralization over the central part of the circular structural. The most significant geochemical values occur, and appear to be directly associated, with the ring structures. Assay values as high as 100 ppb Au, 12.5 ppm Ag, 208 ppm Cu, 2222 ppm Pb, 3470 ppm Zn, 4328 ppm Mn, 170 ppm As, 12 ppm Sb, 4.5 ppm Bi, and 320 ppb Hg were encountered during the survey.." Further geophysical surveys recommended (Lindsay, 2005).
2004-2006	Maurice Colpron	Geological mapping	Colpron has produced numerous reports for the Yukon government as well as a detailed regional

			geological map for the Livingstone area.
2011-2012	Goldstike Reources Ltd.	Ground Magnetometer, ground spectrometer, geochemical survey	One >8 g/t Au rock sample of float. Magnetic data showed mag lows and highs consistent with mapped geology. Radiometric data indicated distinct areas of potassic alteration and, in the area of the high-Au rock sample looks related to a linear potassic feature 350m in length. Another prospective zone of mineralization at the central-east boundary yielded 802 ppb Au in a galena-chalcopyrite-malachite-azurite quartz vein.

7.0 GEOLOGY

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

Colpron (2006) describes the geology of the area as follows:
"The Yukon-Tanana Terrane in the Livingstone Creek area comprises five successions of metasedimentary and metavolcanic rocks which range in age from pre-Upper Devonian to lower Mississippian. They are correlated with Lower Mississippian and older strata in the Glenlyon and Finlayson Lake areas. Yukon-Tanana rocks are intruded by at least five plutonic suites, ranging in age from Late Devonian to Late Cretaceous. The structural style of the area is dominated by a transportation foliation which is axial planar to isoclinal folds of an earlier foliation. The transportation foliation is itself folded by northeast-verging open fold."

The present claims extend far enough east to cover the contact between the Early Mississippian intrusion and the Devonian metaquartzite and schist, at the headwaters of Lake and Cottoneva Creeks (Figure 3). They also extend far enough south to cover the ridge and the cirque at the southeast extremity of the Lake Creek drainage. Glacial overburden is extensive in the area, especially within the creek valleys (Dashwood, 2011).

The Livingstone area has been glaciated on at least 3 separate occasions, termed pre-Reid, Reid and McConnell. The onset of the most recent glaciation, the McConnell, has been dated at less than 29 Ka, and the retreat dated at 10.3 Ka (Lebarge, 1996). Placer gold at the Livingstone camp was spared the usual scouring and erosive action of glaciation due to the east-west trending valleys, which are transverse to the direction of ice movement. Auriferous interglacial gravels formed between the Reid and McConnell glaciations and were buried by several meters of glacial drift, later to be uncovered by post-glacial fluvial reworking (Levson, 1992).

Figure. 3: Regional GSC Geology

528000 530000 532000 534000 536000 538000 540000 542000 544000 546000

6810000 6808000 6806000 6804000 6802000 6800000

Regional Geology

Fault Type

— Fault, approximate, movement undefined
— Fault, defined, movement undefined
- - Fault, extrapolated, movement undefined

Lithology

Carboniferous

DTrH Klinkit Subterrane: andesite/basalt/breccia/tuff/greenstone
DTrH Klinkit Subterrane: slate/phyllite/sandstone/chert/conglo/breccia/greenstone/limestone

Devonian/Mississippian

DMN Nasina Subterrane: marble
DMN Nasina Subterrane: quartzite/qt-ms-schist

Ordovician/Silurian/Devonian

CDRC Cassiar Terrane: siltstone/quartzite

Upper Proterozoic/Paleozoic

PPa Amphibolite Subterrane: cl-bi-schist/amphibolite/hb-gneiss/ac-pg-cl-bi-schist/pg-ac-cl-bi-schist/phyllite/quartzite/ultramafics
PPa Amphibolite Subterrane: cl-bi-schist/amphibolite/hb-gneiss/schist

Little Violet Creek
South Big Salmon River
Cottonwood Creek
Lake Creek
Mendocino Creek
Summit Creek
Livingstone Creek
Livingstone Airfield
Livingstone

DTrH
DMN
PPa

N

GOLDSTRIKE RESOURCES LTD TSX.V:GSR

Livingstone Regional Geology

Legend

Building
Trail
Runway
Contour (20 ft)
Index Contour (100 ft)
River
Lake
Wetland
Livingstone Claim Boundary

Coordinate System:
NAD 1983 UTM Zone 8N
Scale: 1:50,000
NTS Map Sheets: 115E08
Drawn by: DRUID-6
Date: 26 Apr 2012 at 11:58:AM

DRUID EXPLORATION

0 0.5 1 2 Kilometers

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A one day geochemical sampling and geological reconnaissance program was conducted on the Livingstone Property on August 21st, 2011. Flying out of Whitehorse, a crew of 2 geologists collected 14 rock samples and 1 soil sample (see Figure 4 for sample locations). A Jet Ranger helicopter was used for the program.

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.

Soil samples were taken sporadically based on surrounding geology and previous results. Samplers use Dutch augurs to collect an adequate soil sample, preferably from the 'C' horizon, placing it in a Kraft paper bag, marking the location with GPS, and marking the location with flagging tape labeled with the sample number. Sample conditions, environment and attributes were recorded in a field notebook. The GPS units were downloaded daily for plotting in ArcGIS. Soil samples were hung up to dry, then packed and shipped to the lab.

All sample descriptions can be found in Appendix I.

8.2 Sample Preparation, Analysis, and QA/QC

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

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

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

8.3 Results

The 2013 program on the Livingstone Property showed prospective results. During the 2011 and brief 2012 programs, a zone of significant gold mineralization in float was discovered.

Assays yielded 8.2 g/t Au with overlimits silver and numerous other anomalous elements. This rock was recorded as quartz vein with oxidized sulphides and graphite. During 2013, this area was targeted and dug out by hand, and it is believed that bedrock was met. Rock sample 1201921 (Photo 1), taken from bedrock, was composed of quartz vein breccia with orange oxidization and sulfur staining. Fine sulphides (pyrite) were visible. The vein showed a rough orientation of 190/22/W. This sample assayed 10.7 g/t Au, >100 ppm Ag, 305 ppm As, 896 ppm Pb, 223 ppm Cu, 78 ppm Mo, 0.20 ppm Hg, and 104 ppm Te. This signature is similar to the high gold float sampled in previous years. The dark soil above the rock visible in Photo 1 was also sampled. It presented a similar geochemical signature except for the gold, silver and tellurium.

Sample 1201921 and the float samples from 2011 were taken in a small depression on a saddle ridge. Geological reconnaissance showed two distinct rock types on either side of the quartz breccia. To the west and south, bedrock appears to be competent biotite schist with some graphitic interbeds. To the east and north, silicified gneiss was found. This gneiss was found to dip the opposing way of the showing at 240/25/E.

Results are displayed on Figure 5. Assay results and certificates can be found in appendix II.

Photo 1: Rock sample 1201921 assayed 10.7 g/t Au.

Figure 4: Sample Location Map

Livingstone Property

Fig. 4: Sample Location Map

Goldspike Exploration Inc.

Cottoneva Creek area,
Whitehorse Mining District

Legend

- Soil samples
- Rock samples
- LIV claims
- LT claims
- LTE claims (new staking)

1:15,000

0 250 500 1,000 1,500 2,000 Meters

Date: November, 2013
Mapsheets: 105E08
Datum: UTM NAD83 Zone 8

Figure 5: Sample Geochemistry Map

Livingstone Property

Fig. 5: Sample Results

Goldspike Exploration Inc.

Cottoneva Creek area,
Whitehorse Mining District

533000 534000 535000 536000 537000 538000 539000 540000 541000 542000

6808000 6807000 6806000 6805000 6804000 6803000 6802000 6801000

Cottoneva Creek
Lake Creek
Cottoneva Creek
Mendocina Creek
Summit Creek
Lake Creek
Livingstone Airfield
Summit Creek
Livingstone Creek
Livingstone

Soil sample 1238504
12.6 ppb Au
120 ppm As
4.3 ppm Ag
1006 ppm Pb
92 ppm Cu
134 ppm Mo
2.4 ppm Te

Rock sample 1201921
10.7 g/t Au
305 ppm As
>100 ppm Ag
896 ppm Pb
223 ppm Cu
79 ppm Mo
104 ppm Te

Legend

Rock samples

Au (ppb)

- 0.5 - 50.0
- 50.1 - 10726.2
- Soil samples
- LIV claims
- LT claims
- LTE claims (new staking)

N

1:15,000

0 250 500 1,000 1,500 2,000 Meters

Date: November, 2013
Mapsheets: 105E08
Datum: UTM NAD83 Zone 8

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Livingstone Property is located in a geological setting favourable to gold mineralization. The local geology, geophysical features, and placer history point to the potential for gold mineralization. Furthermore, hardrock exploration history is limited and the ground is relatively untested.

The 2011 program yielded a 8.2 g/t Au sample in float. The 2013 program followed up on this area and found a 10.7 g/t Au quartz breccia sample in bedrock. Geochemical signatures show anomalous silver, arsenic, copper, lead, molybdenum, mercury and tellurium. A soil sample taken above this outcrop showed a similar signature minus anomalous gold, silver, and tellurium, possibly due to the mobile nature of the elements in soil. The vein appears to be roughly a foot wide; however the bedrock exposure is less than a meter in this area.

This zone was found to be at the contact of a biotite schist and silicified gneiss. The gneiss displays a NE-trending strike, dipping east, while the quartz vein showing has a NNE strike, dipping west. This contact and subsequent silicification and brecciation may represent a NNE-striking fault. In their 1992 study, Stroink and Friedrich determined mineralization in the area was structurally controlled by a series of NNE-striking faults and NNW-trending joints. They concluded that veins carrying gold in the area were of epithermal origin and could be the source for the course placer gold at Livingstone because of chemical similarities between placer gold and gold from local quartz veins.

It is recommended that a ground IP survey be conducted. Conductivity highs would represent areas of sulphide mineralization which may relate to gold mineralization, and resistivity lows should point to faults in the area controlling mineralization. Systematic soil sampling is also recommended to give a more complete geochemical profile to the area and help locate new targets now that pathfinder elements have been established from grab samples. Mechanical trenching in the area of the showing is recommended to help give a better visual representation of the style of mineralization.

REFERENCES

Carlyle, L. (2000) Bedrock geology, VLF-EM surveying, rock, soil, and stream sediment sampling, CAM claims 1-146, Livingstone area. Whitehorse, Yukon.

Cathro, R.J. (1983) Report on Trenching Horseshoe Claims, Livingstone Creek. For Archer, Cathro & Associates, Vancouver, BC.

Colpron, Maurice (2006) Geology and Mineral Potential of Yukon-Tanana Terrane in the Lvingstone Creek area (NTS 105E/8), South Central Yukon; Yukon Geological Survey p. 93-107.

Colpron, Maurice (2006) Geological Map (in part) is reproduced in this report.

Dashwood, Edward, B.Sc. (Preliminary) "Geological and Geochemical Work on the Livingstone Property", September 2011.

Kosmonko, E. (1996) Livingstone Grassroots Prospecting, Yukon Mining Incentives Program (95-035), Final Report.

LeBarge, W.P. (1996a) Placer Deposits of the Yukon: Overview and Potential for New Discoveries, In: LeBarge W.P. (ed.), 1996. Yukon Quaternary Geology Volume 1, Exploration and Geological Services Division, Northern Affairs Program, Yukon Region, p. 1-12.

Levson, V. (1992) The sedimentology of Pleistocene deposits associated with placer gold bearing gravels in the Livingstone Creek area, Yukon Territory. In: Yukon Geology, Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Vol. 3, p. 99-132.

Lindsay, M. (2005) Assessment Report on The Livingstone Project, Livingstone Creek Area, Yukon Territory, 2005 YMIP (05-026) Target Evaluation Program. For Cordilleran Minerals Limited

Sheldrake, Ronald (2012) Assessment Report on Ground Magnetometer, Ground Spectrometer and Geochemical Surveys, for Goldstrike Resources Ltd. April, 2012.

Stroink, L. and Friedrich, G. (1992) Gold-sulphide quartz veins in metamorphic rocks as a possible source for placer gold in the Livingstone Creek area, Yukon Territory, Canada. In: Yukon Geology, Vol 3; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, p.87.

STATEMENT OF EXPENDITURES

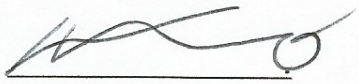
Costs associated with the Livingstone Property
Worked August 21st, 2013
Goldspike Exploration Inc.

Geologist wages (2 men)	$450/day	$2,700.00
helicopter charter + fuel		$3,147.00
truck fuel (Dawson-Whitehorse)	$130/trip	$260.00
truck rental	$150/day	$450.00
soil sample assay	$24x1 sample	$24.00
rock sample assay	$30x14 samples	$420.00
assessment report		$2,000.00
food	$40/man/day	$240.00
accommodation in Whitehorse	$130/rm/night	$520.00
consumables (bags, flagging, etc)		$200.00
TOTAL		**$9,961.00**

CERTIFICATE OF QUALIFICATIONS

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

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



Date: Feb. 1 2014

Daniel Ferraro, HBSc.

Appendix I: Rock and Soil Sample Descriptions

Rock Sample Descriptions

UTM NAD83 Zone 8

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

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Source	Description
1201918	539033	6803276	1487	21-Aug-13	outcrop	Biotite schist outcrop. Well foliated with abundant po in foliation (syngenetic). Sulfur stained outcrop
1201919	539088	6803273	1489	21-Aug-13	float	Qtz vein boulder near 2012 sample E5242365. Graphitic 1-3cm inclusions of amphibolite with euhedral fg py. Minor fg galena. Sulfurous.
1201920	539088	6803272	1490	21-Aug-13	float	Graphitic sulfur stained edge of quartz vein boulder from last sample. No QV in sample. Vuggy weathered out veinlets. Minor py
1201921	539074	6803270	1484	21-Aug-13	outcrop	Very oxidized QV breccia material from dugout area. Orange stained veining shows a rough orientation of 190/22/W.
1201922	539084	6803258	1493	21-Aug-13	float	Similar to sample 1201919. Quartz boulder float with graphitic sediment or amphibole inclusions with fg py. Well oxidized.
1201923	538881	6803233	1514	21-Aug-13	outcrop	Gneiss, small outcrop with fg dissem py (5%). 240/25/E dipping opposite way of showing.
1201924	538594	6802882	1552	21-Aug-13	subcrop	2 inch quartz vein in gneiss subcrop, mg euhedral py along side OV in wallrock
1201925	538300	6802041	1534	21-Aug-13	float	Amphibolite. Altered rusty weathering rind. Fine grained py with specular hematite or aspy.
1201926	538812	6803242		21-Aug-13	float?	Muscovite schist with vfg py, plus 50% qtz vein material.
1201927	538811	6803247		21-Aug-13	float?	Mostly rusty QV material, some muscovite schist wallrock. Minor specualar hematite or possibly aspy.
1201928	538802	6803252		21-Aug-13	float?	Qtz vein material mixed with metasediment schist, well oxidized.
1201929	538815	6803240		21-Aug-13	float?	Orange oxidized QV material. Very fine silvery specular hematite?

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Source	Description
1201930	538824	6803224		21-Aug-13	float	Silicious metasediment (bt schist) cherty in some areas. Some qtz veining.
1201931	539085	6803291	1488	21-Aug-13	outcrop	Metasediment. Competant biotite schist from steep outcrop near showing. Almost like shale or slate. For whole rock analysis.
1201932	539076	6803267	1488	21-Aug-13	outcrop	Gneiss, very silicious, bedrock sample for whole rock.

Soil Sample Descriptions

UTM NAD83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Description
1238504	539073	6803270	1484	21-Aug-13	~150	Sample taken from black soil/rock chips from just above dug out qtz vein (source of rock sample 1201921). C horizon, grassy vegetation cover, saddle topo position.

Appendix II: Rock and Soil Sample Assay Certificates

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: September 09, 2013
Report Date: October 03, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI13000397.1

CLIENT JOB INFORMATION

Project: LIV
Shipment ID: LIV_2013
P.O. Number
Number of Samples: 15

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	15	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	13	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	13	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
4X	2	Li2B4O7/LiBO2 fusion, analysis by XRF		Completed	VAN
2A Leco	2	Analysis by Leco	0.1	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

CERTIFICATE OF ANALYSIS WHI13000397.1

Method		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1201918	Rock	1.36	3	1.3	70.1	4.4	56	<0.1	28.2	15.9	373	4.57	<0.5	0.5	2.3	85	<0.1	<0.1	<0.1	82	0.97
1201919	Rock	1.42	3	62.6	3.9	73.3	2	0.2	2.4	0.2	37	0.45	<0.5	2.6	<0.1	95	<0.1	0.1	<0.1	<2	0.02
1201920	Rock	1.09	2	32.6	19.1	13.6	38	0.7	7.6	0.5	47	1.83	7.8	2.2	4.1	42	0.4	0.7	<0.1	217	0.17
1201921	Rock	0.78	9658	78.6	223.1	896.4	92	>100	19.8	1.8	73	3.33	305.3	10726	1.4	100	0.7	11.6	0.5	27	0.06
1201922	Rock	0.97	26	125.7	15.6	57.4	16	0.9	8.0	0.9	54	0.96	2.0	31.0	0.6	69	0.1	0.4	<0.1	5	0.20
1201923	Rock	1.00	33	0.7	13.1	5.0	33	0.6	17.8	10.9	709	2.28	1.5	37.8	13.6	19	<0.1	0.1	0.1	27	0.17
1201924	Rock	0.90	4	0.5	51.0	1.0	14	<0.1	2.2	3.6	291	0.93	<0.5	10.3	0.6	10	<0.1	<0.1	<0.1	12	0.19
1201925	Rock	2.46	6	0.3	77.8	0.9	123	<0.1	63.3	40.5	1282	9.25	<0.5	9.6	0.1	47	0.1	0.3	<0.1	235	2.85
1201926	Rock	1.93	7	0.8	32.6	2.9	27	0.2	32.6	5.5	247	1.99	4.9	6.9	2.6	8	<0.1	0.2	0.2	24	0.06
1201927	Rock	1.18	8	1.9	14.1	1.8	20	<0.1	16.5	5.1	133	2.20	<0.5	12.7	2.3	16	<0.1	0.2	<0.1	23	0.10
1201928	Rock	1.48	7	1.3	52.0	2.1	28	0.2	25.9	7.9	277	2.40	1.1	13.7	4.0	17	<0.1	0.3	0.2	28	0.11
1201929	Rock	1.98	<2	0.2	5.3	1.4	12	<0.1	13.8	2.8	89	0.82	<0.5	1.8	1.1	4	<0.1	0.1	<0.1	4	0.06
1201930	Rock	1.18	<2	<0.1	11.8	0.9	20	<0.1	15.3	4.5	183	1.44	0.8	3.4	2.9	4	<0.1	<0.1	<0.1	12	0.02
1201931	Rock	0.73																			
1201932	Rock	1.35																			

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

CERTIFICATE OF ANALYSIS WHI13000397.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	4X	4X
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	SiO2	Al2O3
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	0.01	0.01
1201918	Rock	0.280	16	68	1.38	985	0.240	<20	2.44	0.084	1.00	<0.1	<0.01	0.2	0.35	4.8	<0.5	8	<0.2		
1201919	Rock	0.017	<1	10	<0.01	2801	0.001	<20	0.04	0.005	<0.01	<0.1	<0.01	<0.1	0.13	0.2	<0.5	<1	<0.2		
1201920	Rock	0.155	11	44	0.19	883	0.084	<20	0.33	0.023	0.31	0.3	0.03	<0.1	0.38	3.3	10.3	3	0.3		
1201921	Rock	0.123	4	15	0.02	547	0.001	<20	0.19	0.004	0.09	0.2	0.20	0.2	0.22	2.8	19.4	<1	104.4		
1201922	Rock	0.166	4	18	0.02	611	0.001	<20	0.14	0.001	0.02	<0.1	<0.01	<0.1	0.15	1.1	2.2	<1	0.8		
1201923	Rock	0.030	10	23	1.47	214	0.032	<20	1.52	0.035	0.23	<0.1	<0.01	<0.1	0.22	3.1	<0.5	5	0.3		
1201924	Rock	0.014	2	9	0.36	224	0.012	<20	0.43	0.016	0.14	<0.1	<0.01	<0.1	<0.05	1.8	<0.5	<1	<0.2		
1201925	Rock	0.120	3	85	2.83	53	0.010	<20	3.20	0.015	0.09	<0.1	<0.01	<0.1	0.10	24.5	<0.5	13	<0.2		
1201926	Rock	0.043	10	34	0.40	548	0.003	<20	0.60	0.002	0.09	<0.1	<0.01	<0.1	0.17	2.2	<0.5	3	<0.2		
1201927	Rock	0.070	8	35	0.28	706	0.006	<20	0.52	0.026	0.05	<0.1	<0.01	<0.1	0.40	2.7	1.5	4	<0.2		
1201928	Rock	0.060	13	38	0.43	863	0.005	<20	0.65	0.018	0.17	<0.1	<0.01	<0.1	0.43	4.3	0.7	4	<0.2		
1201929	Rock	0.033	5	17	0.12	202	0.002	<20	0.21	<0.001	0.05	<0.1	<0.01	<0.1	0.07	0.8	<0.5	1	<0.2		
1201930	Rock	0.009	3	16	0.41	290	0.002	<20	0.57	0.001	0.12	<0.1	<0.01	<0.1	0.12	1.6	<0.5	3	<0.2		
1201931	Rock																			1.58	0.30
1201932	Rock																			91.21	2.60

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

CERTIFICATE OF ANALYSIS WHI13000397.1

	Method	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	2A Leco	2A Leco
	Analyte	Fe2O3	CaO	MgO	Na2O	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	LOI	SUM	TOT/C	TOT/S
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	-5.11	0.01	0.02	0.02
1201918	Rock														
1201919	Rock														
1201920	Rock														
1201921	Rock														
1201922	Rock														
1201923	Rock														
1201924	Rock														
1201925	Rock														
1201926	Rock														
1201927	Rock														
1201928	Rock														
1201929	Rock														
1201930	Rock														
1201931	Rock	0.36	55.09	0.92	<0.01	0.03	0.06	<0.01	0.02	<0.001	0.01	43.00	101.4	12.34	<0.02
1201932	Rock	1.43	0.06	0.24	0.01	0.63	<0.01	0.17	0.10	0.010	0.71	2.34	99.59	1.44	0.09

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000397.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1201923	Rock	1.00	33	0.7	13.1	5.0	33	0.6	17.8	10.9	709	2.28	1.5	37.8	13.6	19	<0.1	0.1	0.1	27	0.17
REP 1201923	QC			0.7	14.7	4.9	34	0.6	18.3	10.4	697	2.29	1.3	35.6	13.5	19	<0.1	0.2	0.1	27	0.17
Core Reject Duplicates																					
1201929	Rock	1.98	<2	0.2	5.3	1.4	12	<0.1	13.8	2.8	89	0.82	<0.5	1.8	1.1	4	<0.1	0.1	<0.1	4	0.06
DUP 1201929	QC	<0.01	4	0.2	5.1	1.4	10	<0.1	13.0	2.9	98	0.85	0.5	7.2	1.0	4	<0.1	0.1	<0.1	4	0.06
Reference Materials																					
STD DS9	Standard			12.7	111.1	127.2	315	1.8	41.6	7.6	605	2.44	25.4	127.5	5.9	76	2.5	5.1	6.8	44	0.75
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45EA	Standard			1.3	718.8	14.1	30	0.3	394.0	53.5	410	24.68	9.5	64.2	10.6	4	<0.1	0.2	0.3	315	0.03
STD OREAS72B	Standard																				
STD OXC109	Standard		199																		
STD OXI96	Standard		1788																		
STD SY-4(D)	Standard																				
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD OXC109 Expected			201																		
STD OXI96 Expected			1802																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
STD SY-4(D) Expected																					
STD OREAS72B Expected																					
BLK	Blank																				
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000397.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	4X	4X
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	SiO2	Al2O3
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	0.01	0.01
Pulp Duplicates																						
1201923	Rock		0.030	10	23	1.47	214	0.032	<20	1.52	0.035	0.23	<0.1	<0.01	<0.1	0.22	3.1	<0.5	5	0.3		
REP 1201923	QC		0.030	10	25	1.46	213	0.033	<20	1.51	0.035	0.23	<0.1	0.01	<0.1	0.22	3.1	<0.5	5	<0.2		
Core Reject Duplicates																						
1201929	Rock		0.033	5	17	0.12	202	0.002	<20	0.21	<0.001	0.05	<0.1	<0.01	<0.1	0.07	0.8	<0.5	1	<0.2		
DUP 1201929	QC		0.030	4	18	0.10	209	0.001	<20	0.20	<0.001	0.06	<0.1	<0.01	<0.1	0.08	0.9	<0.5	<1	<0.2		
Reference Materials																						
STD DS9	Standard		0.084	13	119	0.63	322	0.112	<20	0.98	0.087	0.42	2.4	0.18	5.2	0.17	2.5	5.3	4	5.1		
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD OREAS45EA	Standard		0.030	7	839	0.11	143	0.097	<20	3.37	0.018	0.06	<0.1	<0.01	<0.1	<0.05	82.5	0.9	13	<0.2		
STD OREAS72B	Standard																				51.43	8.94
STD OXC109	Standard																					
STD OXI96	Standard																					
STD SY-4(D)	Standard																				50.18	20.82
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD OXC109 Expected																						
STD OXI96 Expected																						
STD DS9 Expected			0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	5.3	0.1615	2.5	5.2	4.59	5.02		
STD OREAS45EA Expected			0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			0.072	0.036	78	0.6	11.7	0.07		
STD SY-4(D) Expected																					49.9	20.69
STD OREAS72B Expected																					51.3735	8.95421
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2		
BLK	Blank																				<0.01	<0.01
Prep Wash																						

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000397.1

		Method	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	4X	2A Leco	2A Leco
		Analyte	Fe2O3	CaO	MgO	Na2O	K2O	MnO	TiO2	P2O5	Cr2O3	Ba	LOI	SUM	TOT/C	TOT/S
		Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.001	0.01	-5.11	0.01	0.02	0.02
Pulp Duplicates																
1201923	Rock															
REP 1201923	QC															
Core Reject Duplicates																
1201929	Rock															
DUP 1201929	QC															
Reference Materials																
STD DS9	Standard															
STD GS311-1	Standard														0.97	2.34
STD GS910-4	Standard														2.55	8.00
STD OREAS45EA	Standard															
STD OREAS72B	Standard	9.80	3.94	16.20	1.34	1.33	0.13	0.33	0.05	0.152	0.04	5.13	98.81			
STD OXC109	Standard															
STD OXI96	Standard															
STD SY-4(D)	Standard	6.22	7.94	0.52	7.09	1.60	0.11	0.27	0.12	<0.001	0.04	4.56	99.47			
STD GS311-1 Expected															1.02	2.35
STD GS910-4 Expected															2.65	8.27
STD OXC109 Expected																
STD OXI96 Expected																
STD DS9 Expected																
STD OREAS45EA Expected																
STD SY-4(D) Expected		6.21	8.05	0.54	7.1	1.66	0.108	0.287	0.131		0.034	4.56				
STD OREAS72B Expected		9.80416	3.96019	16.2569	1.36031	1.32636	0.13235	0.34768	0.05704	0.15058	0.03665	5.14	98.9238			
BLK	Blank														<0.02	<0.02
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.004	<0.01	0.00	<0.01			
Prep Wash																

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000397.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	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
G1-WHI	Prep Blank		<2	<0.1	3.2	6.5	42	<0.1	2.7	3.7	570	1.92	<0.5	4.6	5.3	60	<0.1	<0.1	0.1	37	0.47
G1-WHI	Prep Blank		<2	0.1	3.3	3.8	44	<0.1	2.9	4.0	571	1.98	<0.5	2.1	5.5	58	<0.1	<0.1	0.9	39	0.55

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000397.1

		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Tl ppm 0.1	1DX S % 0.05	1DX Sc ppm 0.1	1DX Se ppm 0.5	1DX Ga ppm 1	1DX Te ppm 0.2	4X SiO2 % 0.01	4X Al2O3 % 0.01
G1-WHI	Prep Blank	0.071	11	6	0.48	166	0.118	<20	0.93	0.087	0.48	<0.1	<0.01	0.3	<0.05	2.5	<0.5	4	<0.2		
G1-WHI	Prep Blank	0.076	13	7	0.52	152	0.123	<20	0.96	0.093	0.53	<0.1	<0.01	0.3	<0.05	2.6	<0.5	5	<0.2		

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000397.1

		4X Fe2O3 % 0.01	4X CaO % 0.01	4X MgO % 0.01	4X Na2O % 0.01	4X K2O % 0.01	4X MnO % 0.01	4X TiO2 % 0.01	4X P2O5 % 0.01	4X Cr2O3 % 0.001	4X Ba % 0.01	4X LOI % -5.11	4X SUM % 0.01	2A Leco TOT/C % 0.02	2A Leco TOT/S % 0.02
G1-WHI	Prep Blank														
G1-WHI	Prep Blank														

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: September 09, 2013
Report Date: October 03, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI13000398.1

CLIENT JOB INFORMATION

Project: LIV
Shipment ID: LIV_2013
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	1	Dry at 60C			WHI
SS80	1	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	1	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
Country Manager - Canada

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

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

CERTIFICATE OF ANALYSIS WHI13000398.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1238504	Soil	133.6	92.4	1006	138	4.3	40.9	5.4	432	4.20	119.7	12.6	5.3	179	0.9	4.0	0.5	48	0.19	0.148	16

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

CERTIFICATE OF ANALYSIS WHI13000398.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1238504 Soil	23	0.16	172	0.003	<1	0.55	0.014	0.32	0.7	0.14	4.6	0.2	0.73	2	10.8	2.4

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000398.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Reference Materials																					
STD DS9	Standard	12.7	107.8	131.2	306	1.7	39.3	7.5	582	2.25	24.2	114.9	6.5	73	2.6	6.1	6.8	42	0.71	0.078	14
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
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.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

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

Project: LIV
Report Date: October 03, 2013

QUALITY CONTROL REPORT WHI13000398.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																	
STD DS9	Standard	119	0.66	298	0.115	2	0.96	0.082	0.37	2.8	0.21	2.6	5.2	0.17	5	5.2	4.4
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
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