ASSESSMENT REPORT

2012 GEOCHEMICAL PROGRAM

on the

Lugdush Property

Mayo and Dawson Mining Districts, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: See next page
NTS Mapsheets: 115P10, 115P11, 115P14, 115P15
UTM Coordinates: E400000, N7070000 (NAD83, Zone8)
Owner: Goldspike Exploration Inc.
Author: D. Ferraro, HBSc.
Dates worked performed: June 25th, 2012

Claims filed for in 2012 (all Mayo Mining District):

Claim name and number				Grant number				Map Sheet
From			To	From			To	
Lug	13	-	Lug 24	YD96213	-	YD96224		115P15
Lug	33	-	Lug 48	YD96233	-	YD96248		115P14
Lug	57	-	Lug 76	YD96257	-	YD96276		115P14
Lug	85	-	Lug 258	YD96285	-	YD96458		115P14, 115P11
Lug	261	-	Lug 300	YD96461	-	YD96500		115P14, 115P11
Lug	301	-	Lug 372	YD96001	-	YD96072		115P14, 115P11
Lug	378	-	Lug 383	YD96078	-	YD96083		115P14
Lug	390	-	Lug 395	YD96090	-	YD96095		115P14
Lug	402	-	Lug 403	YD101502	-	YD101503		115P14
Lug	404	-	Lug 406	YD61614	-	YD61616		115P14
Lug	498	-	Lug 500	YD101798	-	YD101800		115P15
Lug	501	-	Lug 503	YD101785	-	YD101787		115P15
LG	10	-	LG 15	YD72650	-	YD72655		115P15, 115P14
Van	26			YD101826				115P15
Van	28			YD101828				115P14
Van	32	-	Van 36	YD101832	-	YD101836		115P15, 115P14
Van	38			YD101838				115P14
Van	48	-	Van 49	YD101848	-	YD101849		115P14
Van	112			YD101912				115P14
Van	179			YD101979				115P15
Van	239	-	Van 246	YD102039	-	YD102046		115P11, 115P10
Van	301	-	Van 312	YD102101	-	YD102112		115P11
Van	330	-	Van 331	YD102130	-	YD102131		115P11
Van	355	-	Van 360	YD102155	-	YD102160		115P11
Van	362			YD102162				115P11
Van	364			YD102164				115P11
Van	366			YD102166				115P11
Van	375	-	Van 378	YD102175	-	YD102178		115P11
Van	409	-	Van 416	YD102259	-	YD102266		115P11, 115P10
Van	437			YD102287				115P11
Van	439	-	Van 442	YD102289	-	YD102292		115P11

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1.0 SUMMARY

A 1 day geochemical sampling program was conducted on the Lugdush Property on June 25th, 2012. The property is owned 100% by Goldspike Exploration Inc. and consists of 494 contiguous quartz claims located in the Dawson and Mayo Mining Districts.

The Lugdush Property is situated in the Clear Creek area, approximately 122 km ESE of Dawson City. It can be reached by truck via Clear Creek road which begins at the Klondike Highway approximately 100 km west of Dawson. The majority of the property is best accessed by helicopter.

Geologically, the property is located in the Tintina gold belt. The region is underlain by Hyland Group metasedimentary rocks which have been intruded by a wide range of Cretaceous aged dykes, sills and stocks known as the Tombstone Plutonic Suite. Gold mineralization in the area is generally related to these intrusions. The area is also host to late-Cretaceous granitic intrusions including the Two Sisters Batholith and the Vancouver Creek Stock. The property is underlain by chlorite and mica schists, quartzite, and slate with minor quartz veining and pyrite mineralization. The east is dominated by the Vancouver Creek Stock which has associated scarn.

A total of 222 soil samples, 4 silt samples, and 34 rock samples were taken over the course of the program. The program had two objectives: To follow up on results from the 2011 program, and to perform reconnaissance on the eastern 'LG' claims and Van block. Followup on gold-in-soil anomalies at the west arm of Vancouver Creek shows a strong WNW trend over 1 km long. Followup on a 3 g/t Au float sample yielded similar values, but the origin remains undetermined. Exploration on the LG claims showed significantly anomalous base metal values related to the Vancouver Stock as well as numerous skarn outcroppings.

The geological setting of the property is favourable to intrusive-related gold mineralization. Soil sampling and prospecting outlined three areas in which further work is recommended: the 'Contact Zone' around the Vancouver Stock requires further prospecting and possibly trenching. The west Vancouver Creek gold-in-soil trend requires trenching with a CanDig machine and could benefit from a ground geophysical survey. The 3 g/t float likely originated from just south of the claims and requires the nearby peak to be staked and prospected.

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 2012 geochemical and prospecting program on the Lugdush 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 Lugdush Property is situated in the Clear Creek area, approximately 122 km ESE of Dawson City (Figure 1). The property can be reached by truck via Clear Creek Road which begins at the Klondike Highway approximately 100 km west of Dawson. Although the majority of the property is not road accessible, the northern extent of the property can be reached about 50km down Clear Creek Road. The east side of the property also has limited access via old placer roads at the headwaters of Vancouver Creek. For the purposes of this soil sampling program, a helicopter was used based from a field camp.

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

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Lugdush Property is situated in a fairly high relief area of the Clear Creek – McQuesten River region. The northern extent is cut by Clear Creek with a few small tributaries while the majority of the property is dominated by Vancouver Creek and its tributaries. The southwest of the property is cut by Thoroughfare Creek and a number of tributaries. Topographically, Vancouver Creek is fairly high relief, with the creek lying at approximately 2000 ft elevation and the mountain peaks generally at 4000 to 4800 ft. At the east end of the property, the West Ridge peaks at 5200 ft elevation.

Vegetation consists of evergreen and deciduous forest which dominates the slopes. The mountain tops are generally bare due to high elevations with buck brush covering. The treeline ranges from 4100 ft to 4500 ft. Outcrop exposure is good on the mountain tops, but limited at lower elevations (5%).

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 Lugdush Property (facing south).

5.0 PROPERTY DESCRIPTION

The present property consists of 494 contiguous quartz claims in the Dawson and Mayo Mining Districts: 415 'Lug', 13 'LUG', 60 'Van' claims, and 6 'LG' claims found on NTS mapsheets 115P10, 115P11, 115P14, and 115P15 (Figure 2). Seventy-one of the claims are located in the Dawson Mining District in two non-contiguous groups, while 423 of the claims are located in the Mayo Mining District as one group. There are an additional 9 'LG' claims in the Mayo District which are non-contiguous to the Lugdush Property, and have not had work filed on them. The claims are 100% owned by Goldspike Exploration Inc. of Toronto, Ontario.

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

Table 1: Claims comprising the Lugdush Property.

Claim Name	Claim No.	Grant Number	District	Claim Owner (100%)	Status	NTS Map No.	Claim Expiry Date
Lug	13	YD96213	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	14	YD96214	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	15	YD96215	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	16	YD96216	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	17	YD96217	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	18	YD96218	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	19	YD96219	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	20	YD96220	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	21	YD96221	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	22	YD96222	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	23	YD96223	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	24	YD96224	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	33	YD96233	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	34	YD96234	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	35	YD96235	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	36	YD96236	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	37	YD96237	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	38	YD96238	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	39	YD96239	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	40	YD96240	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	41	YD96241	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	42	YD96242	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	43	YD96243	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	44	YD96244	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	45	YD96245	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	46	YD96246	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014

Lug	47	YD96247	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	48	YD96248	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	57	YD96257	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	58	YD96258	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	59	YD96259	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	60	YD96260	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	61	YD96261	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	62	YD96262	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	63	YD96263	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	64	YD96264	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	65	YD96265	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	66	YD96266	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	67	YD96267	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	68	YD96268	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	69	YD96269	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	70	YD96270	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	71	YD96271	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	72	YD96272	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	73	YD96273	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	74	YD96274	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	75	YD96275	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	76	YD96276	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	85	YD96285	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	86	YD96286	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	87	YD96287	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	88	YD96288	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	89	YD96289	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	90	YD96290	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	91	YD96291	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	92	YD96292	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	93	YD96293	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	94	YD96294	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
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Lug	96	YD96296	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
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Lug	162	YD96362	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	163	YD96363	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	164	YD96364	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	165	YD96365	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	166	YD96366	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	167	YD96367	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	168	YD96368	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	169	YD96369	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	170	YD96370	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	171	YD96371	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	172	YD96372	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	173	YD96373	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	174	YD96374	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	175	YD96375	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	176	YD96376	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	177	YD96377	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	178	YD96378	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	179	YD96379	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	180	YD96380	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	181	YD96381	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	182	YD96382	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	183	YD96383	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	184	YD96384	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	185	YD96385	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016

Lug	186	YD96386	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	187	YD96387	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	188	YD96388	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	189	YD96389	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	190	YD96390	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	191	YD96391	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	192	YD96392	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	193	YD96393	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	194	YD96394	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	195	YD96395	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	196	YD96396	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	197	YD96397	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	198	YD96398	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	199	YD96399	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	200	YD96400	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	201	YD96401	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	202	YD96402	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	203	YD96403	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	204	YD96404	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	205	YD96405	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	206	YD96406	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	207	YD96407	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	208	YD96408	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	209	YD96409	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	210	YD96410	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	211	YD96411	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	212	YD96412	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	213	YD96413	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	214	YD96414	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	215	YD96415	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	216	YD96416	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	217	YD96417	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	218	YD96418	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	219	YD96419	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	220	YD96420	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	221	YD96421	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	222	YD96422	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	223	YD96423	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	224	YD96424	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	225	YD96425	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	226	YD96426	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014

Lug	227	YD96427	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	228	YD96428	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	229	YD96429	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	230	YD96430	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	231	YD96431	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	232	YD96432	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	233	YD96433	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	234	YD96434	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	235	YD96435	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	236	YD96436	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	237	YD96437	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	238	YD96438	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	239	YD96439	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	240	YD96440	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	241	YD96441	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	242	YD96442	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	243	YD96443	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	244	YD96444	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	245	YD96445	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	246	YD96446	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	247	YD96447	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	248	YD96448	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	249	YD96449	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	250	YD96450	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	251	YD96451	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	252	YD96452	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	253	YD96453	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	254	YD96454	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	255	YD96455	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	256	YD96456	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	257	YD96457	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	258	YD96458	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	261	YD96461	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	262	YD96462	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	263	YD96463	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	264	YD96464	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	265	YD96465	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	266	YD96466	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	267	YD96467	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	268	YD96468	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	269	YD96469	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014

Lug	270	YD96470	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	271	YD96471	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	272	YD96472	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	273	YD96473	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	274	YD96474	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	275	YD96475	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	276	YD96476	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	277	YD96477	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	278	YD96478	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	279	YD96479	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	280	YD96480	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	281	YD96481	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	282	YD96482	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	283	YD96483	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	284	YD96484	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	285	YD96485	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	286	YD96486	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	287	YD96487	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	288	YD96488	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	289	YD96489	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	290	YD96490	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	291	YD96491	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	292	YD96492	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	293	YD96493	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	294	YD96494	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	295	YD96495	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	296	YD96496	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	297	YD96497	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	298	YD96498	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	299	YD96499	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	300	YD96500	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	301	YD96001	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	302	YD96002	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	303	YD96003	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	304	YD96004	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	305	YD96005	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	306	YD96006	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	307	YD96007	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	308	YD96008	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	309	YD96009	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	310	YD96010	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014

Lug	311	YD96011	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	312	YD96012	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	313	YD96013	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	314	YD96014	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	315	YD96015	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	316	YD96016	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	317	YD96017	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	318	YD96018	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	319	YD96019	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	320	YD96020	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	321	YD96021	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	322	YD96022	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	323	YD96023	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	324	YD96024	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	325	YD96025	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	326	YD96026	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	327	YD96027	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	328	YD96028	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	329	YD96029	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	330	YD96030	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	331	YD96031	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	332	YD96032	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	333	YD96033	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	334	YD96034	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	335	YD96035	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	336	YD96036	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	337	YD96037	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	338	YD96038	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	339	YD96039	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	340	YD96040	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	341	YD96041	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	342	YD96042	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	343	YD96043	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	344	YD96044	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	345	YD96045	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	346	YD96046	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	347	YD96047	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	348	YD96048	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	349	YD96049	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	350	YD96050	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	351	YD96051	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014

Lug	352	YD96052	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	353	YD96053	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	354	YD96054	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	355	YD96055	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	356	YD96056	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	357	YD96057	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	358	YD96058	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	359	YD96059	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	360	YD96060	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	361	YD96061	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	362	YD96062	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	363	YD96063	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	364	YD96064	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	365	YD96065	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	366	YD96066	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	367	YD96067	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	368	YD96068	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	369	YD96069	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	370	YD96070	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	371	YD96071	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
Lug	372	YD96072	Mayo	Goldspike Exploration Inc.	*Pending*	115P11	01/03/2014
LUG	375	YD96075	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
LUG	376	YD96076	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
LUG	377	YD96077	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	378	YD96078	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	379	YD96079	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	380	YD96080	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	381	YD96081	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	382	YD96082	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	383	YD96083	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
LUG	384	YD96084	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
LUG	385	YD96085	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
LUG	386	YD96086	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
LUG	387	YD96087	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	390	YD96090	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	391	YD96091	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	392	YD96092	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	393	YD96093	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	394	YD96094	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	395	YD96095	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	396	YD96096	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016

Lug	397	YD96097	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	398	YD96098	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	399	YD96099	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	400	YD96100	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	401	YD101501	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2016
Lug	402	YD101502	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	403	YD101503	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	404	YD61614	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	405	YD61615	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2016
Lug	406	YD61616	Mayo	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2014
Lug	407	YD61627	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	408	YD101708	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	409	YD101709	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	410	YD101710	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	411	YD101711	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	412	YD101712	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	413	YD101713	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	414	YD101714	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	415	YD101715	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	416	YD101716	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	417	YD101717	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	418	YD101718	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	419	YD101719	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	420	YD101720	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	421	YD101721	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	422	YD101722	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	423	YD101723	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	424	YD101724	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	430	YD101730	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	431	YD101731	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	432	YD101732	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	433	YD101733	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	434	YD101734	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	435	YD101735	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	436	YD101736	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	437	YD101737	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	438	YD101738	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	439	YD101739	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	440	YD101740	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	441	YD101741	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	442	YD101772	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015

Lug	443	YD101773	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	444	YD101774	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	445	YD101775	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	446	YD101776	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
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Lug	449	YD101779	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	450	YD101780	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	451	YD101751	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	452	YD101752	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
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Lug	455	YD101755	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	456	YD101756	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
Lug	457	YD101757	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
LUG	459	YD101759	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
LUG	460	YD101760	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
LUG	461	YD101761	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
LUG	462	YD101762	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
LUG	463	YD101763	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
LUG	465	YD101765	Dawson	Goldspike Exploration Inc.	Active	115P14	01/03/2015
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Lug	470	YD101770	Dawson	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2015
Lug	471	YD101771	Dawson	Goldspike Exploration Inc.	*Pending*	115P14	01/03/2015
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Lug	498	YD101798	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
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Lug	500	YD101800	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	501	YD101785	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
Lug	502	YD101786	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	01/03/2018
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LG	3	YD72643	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2013
LG	4	YD72644	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2013
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LG	6	YD72646	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2013
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LG	8	YD72648	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2013

LG	9	YD72649	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2013
LG	10	YD72650	Mayo	Goldspike Exploration Inc.	*Pending*	115P10	09/01/2018
LG	11	YD72651	Mayo	Goldspike Exploration Inc.	*Pending*	115P10	09/01/2018
LG	12	YD72652	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2018
LG	13	YD72653	Mayo	Goldspike Exploration Inc.	*Pending*	115P15	09/01/2018
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Van	32	YD101832	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P15	01/03/2014
Van	33	YD101833	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P15	01/03/2014
Van	34	YD101834	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	35	YD101835	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	36	YD101836	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	38	YD101838	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	48	YD101848	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	49	YD101849	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	112	YD101912	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P14	01/03/2014
Van	179	YD101979	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P15	01/03/2014
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Van	243	YD102043	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
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Van	308	YD102108	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
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Van	310	YD102110	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
Van	311	YD102111	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
Van	312	YD102112	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
Van	330	YD102130	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	331	YD102131	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014

Van	355	YD102155	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	356	YD102156	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	357	YD102157	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	358	YD102158	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	359	YD102159	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	360	YD102160	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	362	YD102162	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	364	YD102164	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	366	YD102166	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	375	YD102175	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	376	YD102176	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	377	YD102177	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	378	YD102178	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	409	YD102259	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	410	YD102260	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
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Van	415	YD102265	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
Van	416	YD102266	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P10	01/03/2014
Van	437	YD102287	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	439	YD102289	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	440	YD102290	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	441	YD102291	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014
Van	442	YD102292	Mayo	*Goldspike Exploration Inc.**	*Pending*	115P11	01/03/2014

*claims transferred to Goldspike Exploration Inc. from Bearing Resources Ltd.

Lugdush Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts

Legend

- Mining district boundary
- Lugdush Property
- Yukon quartz claims

1:30,000

0 550 1,100 2,200 3,300 4,400 Meters

Date: October, 2012
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Dawson Mining District

Mayo Mining District

Clear Creek

Vancouver Creek

Thoroughfare Creek

Right Hook Creek

West Ridge

6.0 PROPERTY HISTORY

The Clear Creek area has had a long history of placer gold production and hard rock exploration. Placer gold mining in Clear Creek dates back to 1900 when the discovery claim was staked. The massive Clear Creek Dredge, located on the Lugdush Property, was operated by the Yukon Consolidated Gold Corporation from 1941 to 1955 then refurbished and operated by Queenstake Resources from 1981 to 1987. Since 1941 approximately 129,000 crude ounces of gold have been recovered from Clear Creek (Hart and Marsh, 1999).

Although quartz claims in the area were recorded as early as 1902 at Josephine Creek (5 km north of Lugdush), the current Lugdush Property has not seen extended hard rock exploration. The east end was staked as Lugdush in 1971 by a joint venture of Canada Tungsten Mining Corp. and Chevron Standard Ltd. An 800x200m skarn unit, related to the Vancouver Creek Stock, was discovered, with narrow beds yielding grades of over 0.1% WO_3. The best section, within 500m of the intrusive contact, graded 2.2% WO_3, across 0.2 m of biotite-quartz hornfels. This was cut by narrow galena-bearing veins bearing up to 645 g/t Ag and 8% Pb. In 1992, the claims were restaked by Placer Dome exploring for Fort Knox-style gold mineralization and subsequently allowed to lapse due to a lack of results (Minfile 115P009).

A 1995 soil grid that straddled the northern boundary of the LUG claims was sampled by Bryan Lueck, with 22 samples returning between 30 and 108 ppb Au, and up to 206 ppm As.

During 2011, Goldspike Exploration performed a large soil and prospecting reconnaissance program on the property. Numerous anomalous areas of gold, arsenic and tungsten were uncovered.

7.0 GEOLOGY

7.1 Regional Geology

The Lugdush Property is located in the Tintina gold belt of the central Yukon. The regional geology was mapped by Murphy and Heon in 1993 as underlain by a large unit of Hyland Group rocks comprising quartzo-feldspathic psammite (metamorphosed sandstone), micaceous psammite and muscovite-chlorite phyllite (see Figure 3). Other lithologies include gritty or pebbly psammite, meta-pebble conglomerate, marble and calc-silicate rocks. Younger, unmetamorphosed stratigraphy outcrop to the north and include a Lower Paleozoic carbonate unit (Rabbitkettle Formation), Road River Group shale and siltstone and Earn Group fine chert pebble conglomerate, shale and sandstone (Murphy and Heon, 1994).

The entire package of sedimentary and metasedimentary rocks have been intruded by a wide range of Cretaceous (92 Ma) aged dykes, sills and stocks known as the Tombstone Plutonic

Suite (Stephens et al., 2000). Composition of these intrusive rocks varies from quartz syenite and syenite at the large Syenite Range Stock to granitic and quartz monzonite bodies which include the Josephine, Eiger, Rhosgobel and Pukelman stocks. In a study of the Bear Paw Breccia Zone, Stephens and Weekes (2001) found that significant intrusive-related gold mineralization can be found outwards of 1.5 km away from Tombstone Plutonic Suite stocks.

Stephens and Weekes (2001) defined four main styles of gold mineralization recognized in the Clear Creek area:

1. East- to east-southeast-striking, sheeted, auriferous quartz sulphide veins occurring mostly within larger Tombstone Plutonic Suite stocks (ex. Pukelman, Rhosgobel stocks);
2. Silicified fault zones in both south to southeast and east to east-southeast orientations (ex. Contact zone of the Pukelman Stock);
3. Intrusive breccias with stockwork, auriferous quartz-sulphide veins (ex. Bear Paw breccia, Saddle Stock);
4. Calc-silicate rocks with replacement/skarn-style mineralization (ex. Bear Paw breccia).

7.2 Property Geology

The Lugdush Property is dominated by Upper Proterozoic to Lower Cambrian Hyland Group metasedimentary rocks including phyllite, sandstone, schist, conglomerate, grit, and limestone. There are a number of small, <1 km in diameter units of mid-Cretaceous instrusives, likely part of the Tombstone Plutonic Suite stocks to the north. These small outcrops may be representative of a larger intrusive unit at depth. There are also late-Cretaceous intrusive units in the area. The Vancouver Creek Stock is mapped to be approximately 6x2.5km in size and dominates the northeast of the property. Also of similar age is the massive Two Sisters Batholith 5 km west of the property.

The Van showing was found by government geologists Don Murphy and Danièle Héon during district mapping in 1993. The area is underlain by limestone, calcareous phyllite, meta-sandstone, and pebbly meta-sandstone of the Upper Proterozoic-Lower Cambrian Hyland Group rocks. The Hyland Group rocks are brecciated along a north-south lineament. A sample of this breccia assayed 118 ppb Au, 5 ppm Bi, 382 ppm As, 8.7 ppm Ag, 173 ppm Cu, 3,882 ppm Pb, 2,211 ppm Zn, and 11 ppm W. Murphy reported numerous undated north-trending faults and topographic lineament swarms in the McQuesten area similar to the one documented at the Van showing, and northwest and northeast lineaments are also evident.

Field work during the 2011 and 2012 work programs involved prospecting on the limited outcrop on the property. Observations revealed the metasediments on the property as mica-chlorite schists with abundant quartz veining, oxidization, and ductile deformation. Quartz veining was observed as mostly 1-3 inch veins, but large, 1m quartz boulders were found, indicating the existence of larger veins on the property. Metasediments are commonly well oxidized and rusty; however pyrite and other sulphide mineralization was quite rare and limited to a few outcrops. Deformation was observed as isoclinal folding at the meter scale as well as

smaller crenulations in the rock. Structural measurements varied across the property: in the north end the metasediments strike 260 degrees and dip shallow to the east, while on the west side the schist trends NS, dipping west. To the southwest measurements show a NE trend, dipping shallowly southwest. This variance may be attributed to uplift by the numerous intrusive bodies. The metasediment unit is rarely intruded by 30cm wide aplite dikes. Sillimanite overprinting was observed a few outcrops, likely related to contact metamorphism from the granite bodies on the property.

The Vancouver Creek Stock was observed as a granite-monzogranite with a fine to medium grained groundmass and medium grained smokey quartz and feldspar phenocrysts. Biotite is fairly prevalent and is often oriented close to the contacts of the unit. In the northwest area of the stock, huge granite 'tombstone'-shaped outcrops can be found (Photo 1). Here, the feldspar phenocrysts are pegmatitic, up to 10 cm long. Occasionally, rounded inclusions up to 30cm in diameter were observed within this unit. These are fine to medium grained and granodioritic in composition, and could be xenoliths of the earlier Tombstone Plutonic Suite. On the easterly most margin of the unit, a green diopside skarn was observed which has been well documented by Canada Tungsten.

Various other small intrusive units were observed across the property, likely of an earlier age (mid-Cretaceous) than the Vancouver Creek Stock. Composition of these units varies between granite, quartz monzonite, or granodiorite. Grainsize is generally finer than the late-Cretaceous unit, and textures tend to be more equigranular than porphyritic. Minor pyrite mineralization was observed in a unit on the west side of the property, often related to small inclusions in the granite.

Lugdush Property

Fig. 3: Bedrock Geology

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts

Legend

Lugdush Property

Bedrock Geology

Lithology

- phyllite/shale/sandstone/grit/conglom.
- silt/sand/gravel
- granite/quartz monzonite
- granite/quartz monzonite/granodiorite
- Fault

1:50,000

0 1,000 2,000 4,000 6,000 8,000 Meters

Date: March, 201
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A 1 day geochemical sampling program was conducted on the Lugdush Property on June 25th, 2012. Working out of a camp, a crew of 6 soil samplers, 2 prospectors and one geologist collected 222 soil samples, 4 silt samples, and 34 rock samples (see Figure 4 for sample locations). A Hughs 500D helicopter was used for the duration of the program.

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

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

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

8.2 Sample Preparation, Analysis, and QA/QC

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

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

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

8.3 Results

The 2012 work program on the Lugdush Property had two objectives: To follow up on results from the 2011 program, and to perform reconnaissance on the eastern 'LG' claims and Van block.

Results from 2011 showed one soil line south of the west arm of Vancouver Creek yielding numerous samples in excess of 100 ppb Au. In attempt to reveal a trend, a line on either side was soil sampled in 2012. The line on the west side showed very similar gold results (up to 228 ppb Au) but the line on the east did not extend the strike of mineralization (see Appendices IV to VI for assay results and Figures 5 to 7 for result maps).

In 2011 rock sampling on the northeast side of the Vancouver Creek Stock yielded a float sample of 660 ppb Au and >10000 ppm As. This area was followed up with further prospecting in an attempt to find the source of the float. Although similar outcrops were found, the results were not replicated. However soil sampling at the top of the slope yielded one 273 ppb Au sample as well as other less anomalous results.

One rock sample (float) from 2011 yielded 3 g/t Au. This was a highly oxidized quartzite with quartz veining. This area was followed up in 2012 with further prospecting. New values of 651, 368 and 120 ppb Au were recovered, but the source was not located. Copper, lead, and arsenic are also elevated in these samples. One rock sample in the same area, 1205697, yielded >100 ppm Ag, 605 ppm Cu, 1972 ppm Pb and 530 ppm Zn but insignificant gold and arsenic (Photo 2). This sample appeared to be of a different source, a highly altered, bleached metasediments.

New areas south of the Vancouver Creek Stock were reconnaissance sampled for their proximity to the intrusion. Sampling on the LG claims revealed slightly anomalous gold values, but significantly anomalous silver, tungsten, and tin values. Rock sampling of skarn outcrops showed over limits on tungsten as well as elevated tin values (Photo 3). Soil sampling south of the Vancouver Creek Stock on the 'Van' claims yielded progressively lower Sn and W values and insignificant gold values.

Photo 2: Rock sample 1205697 is a heavily altered metasediment, yielding >100 ppm Ag, 605 ppm Cu, 1972 ppm Pb and 530 ppm Zn.

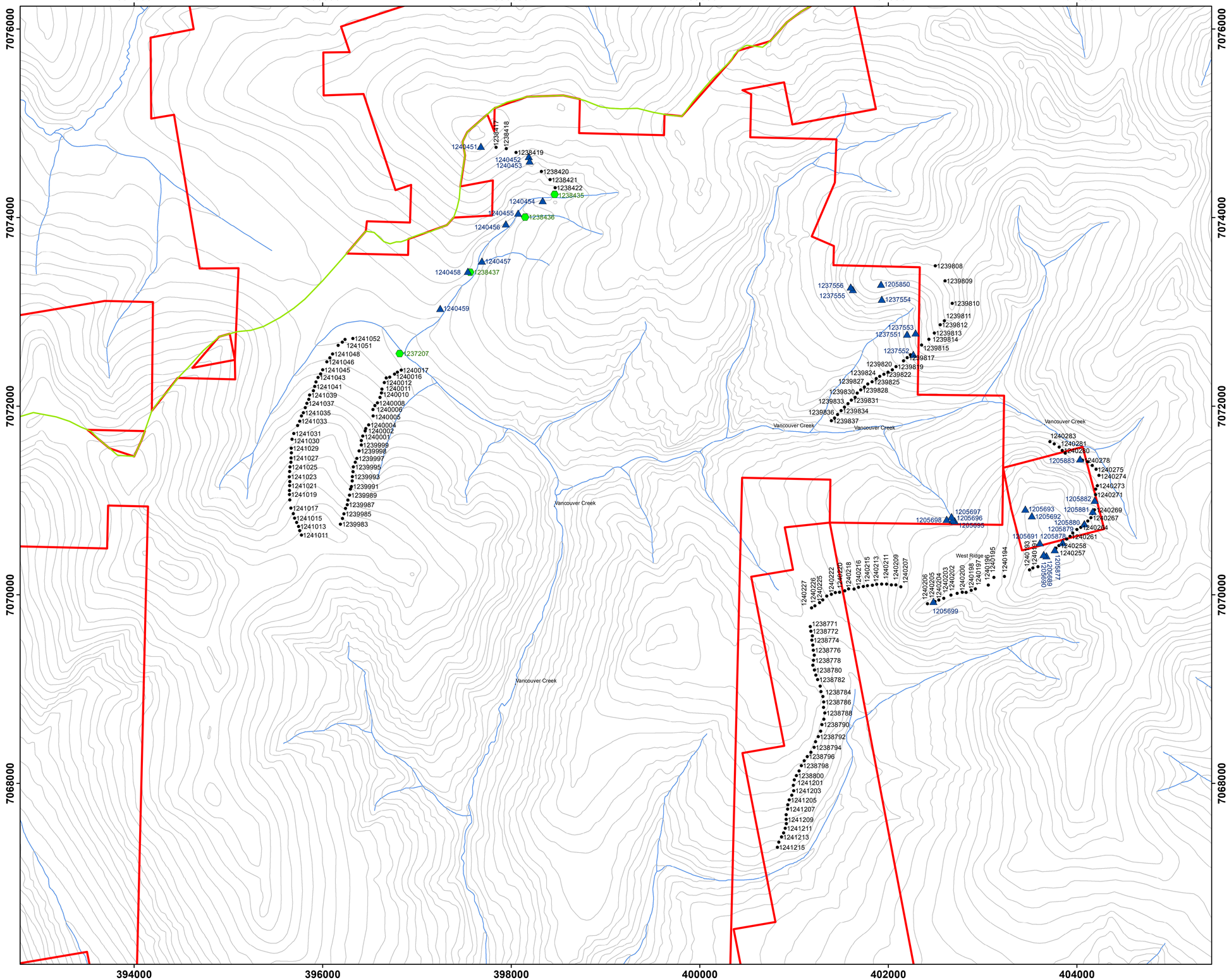
Photo 3: Rock sample 1205882 is a skarnified metasediment adjacent to the Vancouver Creek stock, assaying >100 ppm W with anomalous Zn.

Lugdush Property

Fig. 4: Sample Location Map

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts



Legend

- Rock samples
- Silt samples
- Soil samples
- Mining district boundary
- Lugdush Property

N

1:20,000

0 375 750 1,500 2,250 3,000 Meters

Date: October, 2012
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Lugdush Property

Fig. 5: Sample Geochemistry - Gold

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

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

Soil samples

Au (ppb)

- 0.0 - 10.0
- 10.1 - 25.0
- 25.1 - 50.0
- 50.1 - 100.0
- 100.1 - 273.2

Mining district boundary

Lugdush Property

1:20,000

0 375 750 1,500 2,250 3,000 Meters

Date: October, 2012
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

394000 396000 398000 400000 402000 404000

7076000 7074000 7072000 7070000 7068000

Vancouver Creek

West Ridge

Lugdush Property

Fig. 6: Sample Geochemistry - Arsenic

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

- Rock samples (ppm As)
- Silt samples (ppm As)

Soil samples

As (ppm)

- 5.7 - 15.0
- 15.1 - 30.0
- 30.1 - 50.0
- 50.1 - 100.0
- 100.1 - 146.4

Mining district boundary

Lugdush Property

1:20,000

0 375 750 1,500 2,250 3,000 Meters

Date: October, 2012
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

394000 396000 398000 400000 402000 404000

7076000 7074000 7072000 7070000 7068000

Vancouver Creek
West Ridge

Lugdush Property

Fig. 7: Sample Geochemistry - Tungsten

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

- Rock samples (ppm W)
- Silt samples (ppm W)

Soil samples

W (ppm)

- 0.0 - 1.0
- 1.1 - 3.0
- 3.1 - 10.0
- 10.1 - 25.0
- 25.1 - 49.0

Mining district boundary

Lugdush Property

1:20,000

0 375 750 1,500 2,250 3,000 Meters

Date: October, 2012
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Lugdush Property

Fig. 8: Sample Geochemistry - Tin

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

- Rock samples (ppm Sn)
- Silt samples (ppm Sn)

Soil samples

Sn (ppm)

- 1.0
- 1.1 - 2.0
- 2.1 - 4.0
- 4.1 - 6.0
- 6.1 - 7.0
- Mining district boundary
- Lugdush Property

1:20,000

0 375 750 1,500 2,250 3,000 Meters

Date: October, 2012
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

394000 396000 398000 400000 402000 404000

7076000 7074000 7072000 7070000 7068000

Vancouver Creek
West Ridge

9.0 CONCLUSIONS AND RECOMMENDATIONS

The Lugdush Property is located in a geological setting favourable to intrusion-related gold deposits. The Vancouver Creek Stock, various smaller Tombstone-age intrusive units, regional placer history, and GSC-collected silt anomalies on the property make it a desirable exploration target.

Soil sampling on the property revealed numerous gold anomalies, often with related arsenic and minor base metal values. Rock sampling also was fairly successful in indicating the presence of gold mineralization related to the intrusives on the property.

The gold-in-soil anomalies at the west arm of Vancouver Creek are significantly high (up to 228 ppb Au), and, when plotted with results from 2011, show a WNW trend. Gold values appear to increase towards the west, with a strike length of over 1 km. As outcrop is very rare in this area, a CanDig machine trenching program would be the best method of followup.

The 'Contact Zone' in the northeast of the property, to the southeast of the Vancouver Stock has shown significant gold and arsenic values in 2011. Further sampling and prospecting on the LG claims has shown very high base metal values (W, Sn, Ag) related to the skarn, but weakly anomalous gold values. Intrusion-related gold mineralization has been proven with mid-Cretaceous (Tombstone suite) intrusions in the area. Although the Lugdush Property has numerous small intrusions of this age, the Vancouver Stock is of late Cretaceous age. Despite this, there is still strong base metal potential in regards to this intrusion. A trenching program within the LG claims is recommended.

The south contact of the Vancouver Creek Stock (near the VAN showing) yielded a 3 g/t Au rock sample in 2011. This was taken from a large scree slope. Further prospecting in 2012 yielded similar results (as well as scree with high base metal values) but the bedrock source of these samples was not located. It is likely just south of the claims on the nearest peak. This area should be staked and further prospected.

REFERENCES

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STATEMENT OF EXPENDITURES

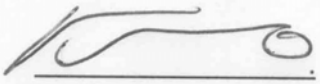
Costs associated with the Lugdush Property
Worked June 25th, 2012

WAGES	6 samples/junior geos	350/day	$2,100.00
	2 prospectors	400/day	$800.00
	cook	350/day	$350.00
	1 geologist	500/day	$500.00
TRANSPORT	helicopter	975/hr	$4,290.00
	helicopter fuel		$880.00
	truck fuel		$50.00
	truck rental	150/day	$150.00
ASSAYS	soil sample assay	$18x222 samples	$3,996.00
	silt sample assay	$18x4 samples	$72.00
	rock sample assay	$24x34 samples	$816.00
CAMP COSTS	food	35/man/day	$350.00
	camp gear and crew gear (generators, fuel drums, propane tanks, water pumps, water tank, hose, batteries, water heater, fridge, freezer, sinks, bbq, kitchen utensils, augers, gold pans, mesh seives, radios, gps, chopper flags, compasses, backpacks, hammers)		$800.00
	consumables (sample bags, tape, AA batteries, pens, markers, flagging tape, sample books, tags, bug spray)		$150.00
	tents and accommodations (8 canvas wall tents, frames, floors, cots, stoves, chimneys, tarps)		$800.00
	safety gear (fire extinguishers, shotgun, signage, stretcher, neck brace, oxygen tank, spill kit, first aid kits, bear spray, bear bangers)		$150.00
	communications (satellite internet, satellite phone)		$50.00
	assessment report		$2,000.00
	maps and drafting		$100.00
	TOTAL		**$18,404.00**

CERTIFICATE OF QUALIFICATIONS

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

1. I am a graduate of Lakehead University, 2008, and a hold an H. B.Sc. Geology degree.
2. I am an independent geological consultant.
3. I am a member of the Ontario Prospectors Association (2010).
4. I have been employed as a geological assistant for the Ontario Geological Survey and the Geological Survey of Canada during the summers of, respectively, 2006 and 2007.
5. I have been working in the mineral exploration industry since 2008 for Pacific North West Capital Corporation, East West Resources Corporation, Rainy Mountain Royalty Corporation, Black Panther Mining Corporation, White Tiger Mining Corporation, Trillium North Minerals Ltd., Nebu Resources Inc., 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: Jan. 3rd, 2013

Appendix I: Soil Sample Descriptions

Lugdush Property Sample Descriptions

UTM NAD 83 Zone 8

SOIL SAMPLES

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Org-anics	Ang. Rock	Gra-vel	Sand	Silt	Clay				
1241011	395776	7070632	1263	25-Jun-12	Lug	20-30	c	yel/orange	20		20			60	weathered bedrock	moist	evergreen forest	ridge top
1241012	395758	7070680	1256	25-Jun-12	Lug	30-40	c	olive grey	10			30		60	weathered bedrock	moist	evergreen forest	ridge top
1241013	395745	7070723	1248	25-Jun-12	Lug	30-40	c	olive grey				20		80	weathered bedrock	moist	evergreen forest	ridge top
1241014	395727	7070766	1240	25-Jun-12	Lug	20-30	c	olive grey				50		50	weathered bedrock	moist	evergreen forest	ridge top
1241015	395704	7070812	1233	25-Jun-12	Lug	40-50	c	yel/orange					20	80	weathered bedrock	moist	evergreen forest	ridge top
1241016	395691	7070858	1224	25-Jun-12	Lug	30-40	c	yel/orange	30			20		50	weathered bedrock	moist	evergreen forest	ridge top
1241017	395665	7070918	1212	25-Jun-12	Lug	20-30	c	olive grey			30			70	weathered bedrock	moist	evergreen forest	ridge top
1241018	395653	7071005		25-Jun-12	Lug	10-20	b/c	olive grey	40					60	weathered bedrock	partially frozen	evergreen forest	ridge top
1241019	395649	7071062	1191	25-Jun-12	Lug	20-30	c	yel/orange	30					70	weathered bedrock	moist	evergreen forest	ridge top
1241020	395649	7071104	1187	25-Jun-12	Lug	20-30	c	yel/orange	20	10				70	weathered bedrock	moist	evergreen forest	ridge top
1241021	395651	7071156	1177	25-Jun-12	Lug	20-30	c	olive grey	30					70	weathered bedrock	moist	evergreen forest	ridge top
1241022	395652	7071199	1172	25-Jun-12	Lug	30-40	c	yel/orange	30					70	weathered bedrock	moist	evergreen forest	ridge top
1241023	395647	7071250	1163	25-Jun-12	Lug	20-30	c	olive grey					40	60	weathered bedrock	wet	evergreen forest	mid slope
1241024	395651	7071306	1154	25-Jun-12	Lug	20-30	c	olive grey			30			70	weathered bedrock	wet	evergreen forest	mid slope
1241025	395654	7071354	1144	25-Jun-12	Lug	20-30	c	yel/orange	20			20		60	weathered bedrock	wet	evergreen forest	mid slope
1241026	395665	7071405	1137	25-Jun-12	Lug	20-30	c	olive grey	40					60	weathered bedrock	partially frozen	evergreen forest	mid slope
1241027	395666	7071451	1130	25-Jun-12	Lug	10-20	c	yel/orange	40					60	weathered bedrock	partially frozen	evergreen forest	mid slope
1241028	395670	7071505	1124	25-Jun-12	Lug	20-30	c	yel/orange	30					70	weathered bedrock	partially frozen	evergreen forest	mid slope
1241029	395669	7071553	1115	25-Jun-12	Lug	10-20	c	olive grey	20					80	weathered bedrock	saturated	evergreen forest	mid slope
1241030	395676	7071647	1099	25-Jun-12	Lug	20-30	c	olive grey	20	20				60	weathered bedrock	wet	evergreen forest	mid slope
1241031	395695	7071709	1089	25-Jun-12	Lug	20-30	c	yel/orange	20	10				70	weathered bedrock	saturated	evergreen forest	mid slope
1241032	395737	7071794	1077	25-Jun-12	Lug	20-30	c	olive grey	30					70	weathered bedrock	partially frozen	evergreen forest	mid slope
1241033	395759	7071840	1072	25-Jun-12	Lug	20-30	c	yel/orange	30					70	weathered bedrock	saturated	evergreen forest	mid slope
1241034	395776	7071895	1064	25-Jun-12	Lug	20-30	c	olive grey	20					80	weathered bedrock	saturated	evergreen forest	mid slope
1241035	395796	7071930	1059	25-Jun-12	Lug	10-20	c	yel/orange	20	10				70	weathered bedrock	saturated	evergreen forest	mid slope
1241036	395817	7071983	1053	25-Jun-12	Lug	10-20	c	yel/orange	30					70	weathered bedrock	saturated	evergreen forest	mid slope
1241037	395834	7072030	1043	25-Jun-12	Lug	10-20	c	yel/orange	40					60	weathered bedrock	wet	evergreen forest	mid slope
1241038	395854	7072072	1036	25-Jun-12	Lug	10-20	c	olive grey	20					80	weathered bedrock	wet	evergreen forest	mid slope
1241039	395864	7072117	1029	25-Jun-12	Lug	10-20	c	yel/orange	20					80	weathered bedrock	wet	evergreen forest	mid slope
1241040	395903	7072163	1021	25-Jun-12	Lug	10-20	c	yel/orange	40					60	weathered bedrock	saturated	evergreen forest	mid slope
1241041	395917	7072208	0	25-Jun-12	Lug	20-30	c	olive grey			20		30	50	weathered bedrock	moist	evergreen forest	mid slope
1241042	395931	7072255	999	25-Jun-12	Lug	20-30	c	olive grey	20					80	weathered bedrock	wet	evergreen forest	mid slope
1241043	395952	7072304	988	25-Jun-12	Lug	10-20	c	yel/orange	20			40		40	weathered bedrock	wet	evergreen forest	mid slope
1241044	395980	7072340	980	25-Jun-12	Lug	20-30	c	yel/orange	20					80	weathered bedrock	wet	evergreen forest	mid slope
1241045	396001	7072384	970	25-Jun-12	Lug	10-20	c	yel/orange	20		20			60	weathered bedrock	wet	evergreen forest	mid slope
1241046	396046	7072468	954	25-Jun-12	Lug	10-20	c	olive grey					70	30	weathered bedrock	saturated	evergreen forest	mid slope
1241047	396078	7072511	946	25-Jun-12	Lug	30-40	c	yel/orange				30	20	50	weathered bedrock	wet	evergreen forest	mid slope
1241048	396107	7072552	939	25-Jun-12	Lug	10-20	c	yel/orange	20					80	weathered bedrock	saturated	evergreen forest	mid slope
1241049	396167	7072644	920	25-Jun-12	Lug	10-20	c	olive grey	30					70	weathered bedrock	saturated	evergreen forest	mid slope
1241050	396210	7072677	910	25-Jun-12	Lug	20-30	c	olive grey			20		30	50	weathered bedrock	wet	evergreen forest	mid slope
1241051	396238	7072707	904	25-Jun-12	Lug	20-30	c	yel/orange						100	weathered bedrock	saturated	buck brush	valley bottom
1241052	396322	7072716	901	25-Jun-12	Lug	20-30	c	olive grey					30	70	weathered bedrock	saturated	evergreen forest	valley bottom
1239808	402499	7073488	1557	25-Jun-12	Lug	20-30	c	lt brown		20		60		20	weathered bedrock	dry	alpine	mid slope
1239809	402602	7073328	1532	25-Jun-12	Lug	20-30	c	lt brown	5	10				85	weathered bedrock	moist	alpine	mid slope
1239810	402679	7073089	1525	25-Jun-12	Lug	10-20	c	lt brown		20		40		40	weathered bedrock	dry	alpine	mid slope
1239811	402595	7072905	1545	25-Jun-12	Lug	0-10	b/c	lt brown	10	10				80	weathered bedrock	moist	alpine	mid slope
1239812	402551	7072862	1536	25-Jun-12	Lug	10-20	b/c	lt brown	10	5				85	weathered bedrock	moist	evergreen forest	mid slope
1239813	402489	7072774	1508	25-Jun-12	Lug	20-30	b/c	lt brown	10	10				80	weathered bedrock	dry	alpine	mid slope
1239814	402432	7072708	1468	25-Jun-12	Lug	10-20	b/c	lt brown	10	10				80	weathered bedrock	dry	alpine	mid slope
1239815	402353	7072647	1438	25-Jun-12	Lug	10-20	b/c	lt brown	10	10		40		40	weathered bedrock	dry	alpine	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Org-anics	Ang. Rock	Gra-vel	Sand	Silt	Clay				
1239816	402235	7072543		25-Jun-12	Lug	20-30	b/c	lt brown	10					90	weathered bedrock	moist	buck brush	mid slope
1239817	402201	7072513	1339	25-Jun-12	Lug	20-30	b/c	dk brown	15			40		45	weathered bedrock	dry	buck brush	mid slope
1239818	402162	7072479	1311	25-Jun-12	Lug	20-30	b/c	lt brown	20			60		20	weathered bedrock	dry	buck brush	mid slope
1239819	402083	7072418	1260	25-Jun-12	Lug	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen forest	mid slope
1239820	402044	7072384	1244	25-Jun-12	Lug	30-40	b/c	dk brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1239821	401998	7072360	1231	25-Jun-12	Lug	60-70	c	lt grey	5					95	weathered bedrock	wet	evergreen forest	mid slope
1239822	401953	7072336	1223	25-Jun-12	Lug	50-60	c	dk grey	5					95	weathered bedrock	moist	evergreen forest	mid slope
1239823	401910	7072316	1211	25-Jun-12	Lug	40-50	b/c	dk brown	5	5				90	weathered bedrock	moist	evergreen forest	mid slope
1239824	401873	7072291	1201	25-Jun-12	Lug	40-50	c	lt brown						100	weathered bedrock	moist	evergreen forest	mid slope
1239825	401829	7072257	1186	25-Jun-12	Lug	30-40	c	lt brown		30		70			weathered bedrock	dry	evergreen forest	mid slope
1239826	401782	7072234	1177	25-Jun-12	Lug	40-50	c	lt brown			50	50			weathered bedrock	dry	evergreen forest	mid slope
1239827	401748	7072201	1164	25-Jun-12	Lug	30-40	c	lt brown			50	50			weathered bedrock	dry	evergreen forest	mid slope
1239828	401708	7072171	1154	25-Jun-12	Lug	50-60	c	lt brown			50	50			weathered bedrock	dry	evergreen forest	mid slope
1239829	401670	7072138	1141	25-Jun-12	Lug	40-50	c	lt brown			50	50			weathered bedrock	dry	evergreen forest	mid slope
1239830	401649	7072091	1126	25-Jun-12	Lug	50-60	c	lt brown			20			80	weathered bedrock	moist	evergreen forest	mid slope
1239831	401608	7072062	1115	25-Jun-12	Lug	40-50	c	lt brown			50	50			weathered bedrock	dry	evergreen forest	mid slope
1239832	401574	7072025	1103	25-Jun-12	Lug	40-50	c	lt brown			50	50			weathered bedrock	dry	evergreen forest	mid slope
1239833	401536	7071988	1088	25-Jun-12	Lug	>80	c	lt brown		50		50			weathered bedrock	dry	evergreen forest	mid slope
1239834	401500	7071951	1076	25-Jun-12	Lug	40-50	c	lt brown		50		50			weathered bedrock	dry	evergreen forest	mid slope
1239835	401462	7071911	1063	25-Jun-12	Lug	40-50	c	lt brown		50		50			weathered bedrock	dry	evergreen forest	mid slope
1239836	401431	7071874	1042	25-Jun-12	Lug	40-50	c	lt brown		40		50		10	weathered bedrock	dry	evergreen forest	mid slope
1239837	401396	7071844	1029	25-Jun-12	Lug	40-50	c	lt brown		50		50			weathered bedrock	dry	evergreen forest	mid slope
1238417	397840	7074743	1292	25-Jun-12	Lug	40-50	c	lt brown		10		30	50	10	weathered bedrock	dry	buck brush	mid slope
1238418	397949	7074731	1267	25-Jun-12	Lug	40-50	c	lt brown	10	20		20	50		weathered bedrock	dry	buck brush	mid slope
1238419	398053	7074689	1246	25-Jun-12	Lug	60-70	c	lt brown		20			60	20	weathered bedrock	wet	buck brush	mid slope
1238420	398321	7074488	1152	25-Jun-12	Lug	30-40	c	lt brown	10	30		20	30	10	weathered bedrock	dry	deciduous forest	mid slope
1238421	398413	7074401	1135	25-Jun-12	Lug	40-50	c	lt brown	10	20		30	20	20	weathered bedrock	dry	evergreen forest	mid slope
1238422	398467	7074315	1107	25-Jun-12	Lug	40-50	c	lt brown	10	10		20	30	30	weathered bedrock	moist	evergreen forest	mid slope
1238771	401174	7069663	1070	25-Jun-12	Lug	20-30	c	lt brown				60	40		weathered bedrock	partially frozen	evergreen forest	plateau
1238772	401181	7069613	1072	25-Jun-12	Lug	20-30	c	lt brown				70	30		weathered bedrock	partially frozen	evergreen forest	plateau
1238773	401195	7069563	1073	25-Jun-12	Lug	20-30	c	lt brown				70	30		weathered bedrock	partially frozen	evergreen forest	plateau
1238774	401191	7069518	1076	25-Jun-12	Lug	30-40	c	lt brown				70	30		weathered bedrock	partially frozen	evergreen forest	plateau
1238775	401200	7069465	1078	25-Jun-12	Lug	30-40	c	lt brown				70	30		weathered bedrock	saturated	evergreen forest	plateau
1238776	401205	7069411	1079	25-Jun-12	Lug	20-30	b/c	lt brown				70	30		weathered bedrock	saturated	evergreen forest	plateau
1238777	401215	7069359	1082	25-Jun-12	Lug	20-30	b/c	lt brown				80	20		weathered bedrock	partially frozen	evergreen forest	plateau
1238778	401206	7069304	1085	25-Jun-12	Lug	20-30	c	lt brown				80	20		weathered bedrock	partially frozen	evergreen forest	plateau
1238779	401201	7069252	1089	25-Jun-12	Lug	40-50	c	lt brown				80	20		weathered bedrock	moist	evergreen forest	plateau
1238780	401217	7069201	1087	25-Jun-12	Lug	30-40	c	lt brown				70	30		weathered bedrock	partially frozen	evergreen forest	mid slope
1238781	401232	7069148	1087	25-Jun-12	Lug	40-50	c	lt brown		20		60	20		weathered bedrock	moist	evergreen forest	mid slope
1238782	401250	7069100	1089	25-Jun-12	Lug	40-50	c	lt brown				70	30		weathered bedrock	saturated	buck brush	mid slope
1238783	401278	7069031	1090	25-Jun-12	Lug	50-60	c	lt brown				60	40		weathered bedrock	moist	buck brush	mid slope
1238784	401287	7068972	1100	25-Jun-12	Lug	50-60	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238785	401307	7068919	1102	25-Jun-12	Lug	40-50	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238786	401316	7068862	1102	25-Jun-12	Lug	50-60	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238787	401313	7068804	1090	25-Jun-12	Lug	>80	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1238788	401327	7068746	1081	25-Jun-12	Lug	30-40	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1238789	401318	7068680	1079	25-Jun-12	Lug	50-60	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1238790	401297	7068622	1079	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1238791	401284	7068553	1076	25-Jun-12	Lug	70-80	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1238792	401258	7068494	1076	25-Jun-12	Lug	50-60	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238793	401229	7068441	1079	25-Jun-12	Lug	30-40	c	lt brown				80	20		weathered bedrock	moist	evergreen forest	mid slope
1238794	401214	7068381	1077	25-Jun-12	Lug	50-60	c	lt brown				50	50		weathered bedrock	moist	evergreen forest	mid slope
1238795	401181	7068329	1080	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1238796	401141	7068284	1084	25-Jun-12	Lug	40-50	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238797	401109	7068239	1084	25-Jun-12	Lug	30-40	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238798	401079	7068187	1078	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Org-anics	Ang. Rock	Gra-vel	Sand	Silt	Clay				
1238799	401055	7068131	1072	25-Jun-12	Lug	30-40	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1238800	401026	7068082	1069	25-Jun-12	Lug	30-40	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241201	401004	7068037	1065	25-Jun-12	Lug	30-40	c	lt brown				80	20		weathered bedrock	dry	evergreen forest	mid slope
1241202	400994	7067978	1058	25-Jun-12	Lug	40-50	c	lt brown		20		60	20		weathered bedrock	moist	evergreen forest	mid slope
1241203	400998	7067921	1051	25-Jun-12	Lug	50-60	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241204	400977	7067873	1047	25-Jun-12	Lug	40-50	c	lt brown				80	20		weathered bedrock	moist	evergreen forest	mid slope
1241205	400949	7067824	1041	25-Jun-12	Lug	30-40	c	lt brown		20		40	40		weathered bedrock	moist	evergreen forest	mid slope
1241206	400935	7067773	1031	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241207	400932	7067726	1023	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241208	400917	7067667	1014	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241209	400917	7067617	1006	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241210	400919	7067573	998	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241211	400908	7067523	991	25-Jun-12	Lug	40-50	c	lt brown				60	40		weathered bedrock	moist	evergreen forest	mid slope
1241212	400890	7067474	983	25-Jun-12	Lug	30-40	c	lt brown				50	50		weathered bedrock	moist	evergreen forest	mid slope
1241213	400868	7067431	972	25-Jun-12	Lug	30-40	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1241214	400840	7067376	955	25-Jun-12	Lug	40-50	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1241215	400824	7067321	940	25-Jun-12	Lug	50-60	c	lt brown				70	30		weathered bedrock	moist	evergreen forest	mid slope
1239983	396191	7070748	1255	25-Jun-12	Lug	30-40	c	lt brown		10		90			weathered bedrock	wet	evergreen forest	ridge top
1239984	396212	7070808	1245	25-Jun-12	Lug	20-30	c	lt brown		30		70			weathered bedrock	wet	evergreen forest	mid slope
1239985	396226	7070857	1233	25-Jun-12	Lug	30-40	c	lt brown		30		70			weathered bedrock	wet	evergreen forest	mid slope
1239986	396245	7070915	1217	25-Jun-12	Lug	30-40	c	lt brown		20		80			weathered bedrock	wet	evergreen forest	mid slope
1239987	396262	7070954	1206	25-Jun-12	Lug	30-40	c	lt brown		10		90			weathered bedrock	saturated	evergreen forest	mid slope
1239988	396269	7071003	1195	25-Jun-12	Lug	30-40	c	lt brown		40		60			weathered bedrock	moist	evergreen forest	mid slope
1239989	396286	7071056	1181	25-Jun-12	Lug	20-30	c	lt brown		20		80			weathered bedrock	wet	evergreen forest	mid slope
1239990	396296	7071120	1166	25-Jun-12	Lug	20-30	c	lt brown		15		85			weathered bedrock	saturated	evergreen forest	mid slope
1239991	396307	7071146	1158	25-Jun-12	Lug	20-30	c	lt brown		30		70			weathered bedrock	saturated	evergreen forest	mid slope
1239992	396315	7071205	1144	25-Jun-12	Lug	20-30	c	lt brown			40	60			weathered bedrock	saturated	evergreen forest	mid slope
1239993	396317	7071253	1135	25-Jun-12	Lug	20-30	c	lt brown		20	10	70			weathered bedrock	saturated	evergreen forest	mid slope
1239994	396323	7071305	1125	25-Jun-12	Lug	20-30	c	black	80			20			weathered bedrock	partially frozen	evergreen forest	mid slope
1239995	396328	7071355	1116	25-Jun-12	Lug	30-40	c	lt brown			30	70			weathered bedrock	saturated	evergreen forest	mid slope
1239996	396347	7071404	1105	25-Jun-12	Lug	10-20	b/c	lt brown	30		30	40			weathered bedrock	partially frozen	evergreen forest	mid slope
1239997	396364	7071445	1095	25-Jun-12	Lug	30-40	c	lt brown			20	80			weathered bedrock	wet	evergreen forest	mid slope
1239998	396388	7071525	1082	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	moist	evergreen forest	mid slope
1239999	396412	7071588	1070	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	moist	evergreen forest	mid slope
1240000	396411	7071635	1064	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	wet	evergreen forest	mid slope
1240001	396426	7071682	1059	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	wet	evergreen forest	mid slope
1240002	396452	7071736	1043	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	saturated	evergreen forest	mid slope
1240003	396459	7071761	1036	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	moist	evergreen forest	mid slope
1240004	396490	7071800	1020	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	moist	evergreen forest	mid slope
1240005	396536	7071895	990	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	moist	evergreen forest	mid slope
1240006	396536	7071964	979	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	moist	evergreen forest	mid slope
1240007	396555	7072005	968	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	moist	evergreen forest	mid slope
1240008	396583	7072033	959	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	moist	evergreen forest	mid slope
1240009	396609	7072093	948	25-Jun-12	Lug	20-30	c	lt brown			10	40		50	weathered bedrock	wet	evergreen forest	mid slope
1240010	396625	7072140	940	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	wet	evergreen forest	mid slope
1240011	396630	7072180	933	25-Jun-12	Lug	20-30	c	lt brown			20	80			weathered bedrock	moist	evergreen forest	mid slope
1240012	396655	7072249	921	25-Jun-12	Lug	20-30	c	lt brown			10	90			weathered bedrock	moist	evergreen forest	mid slope
1240013	396675	7072299	912	25-Jun-12	Lug	30-40	c	lt brown		10		90			weathered bedrock	saturated	evergreen forest	mid slope
1240014	396714	7072307	906	25-Jun-12	Lug	20-30	c	lt brown		10		90			weathered bedrock	moist	evergreen forest	mid slope
1240015	396763	7072339	892	25-Jun-12	Lug	30-40	c	lt brown		10		90			weathered bedrock	moist	evergreen forest	mid slope
1240016	396795	7072359	883	25-Jun-12	Lug	10-20	c	lt brown					100		weathered bedrock	moist	evergreen forest	mid slope
1240017	396835	7072382	875	25-Jun-12	Lug	20-30	c	lt brown				100			weathered bedrock	wet	evergreen forest	valley bottom
1240257	403780	7070493	1596	25-Jun-12	Lug	20-30	b/c	dk brown				30	40	30	weathered bedrock	moist	alpine	mid slope
1240258	403810	7070520	1583	25-Jun-12	Lug	40-50	b	dk brown				20	30	50	weathered bedrock	partially frozen	alpine	valley bottom
1240259	403849	7070556	1576	25-Jun-12	Lug	40-50	b/c	dk brown				40	30	30	weathered bedrock	frozen	alpine	mid slope
1240260	403893	7070590	1565	25-Jun-12	Lug	40-50	b/c	dk brown				40	30	30	weathered bedrock	frozen	alpine	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Org-anics	Ang. Rock	Gra-vel	Sand	Silt	Clay				
1240261	403928	7070618	1555	25-Jun-12	Lug	30-40	b/c	dk brown				30	40	30	weathered bedrock	frozen	alpine	mid slope
1240262	403958	7070655	1542	25-Jun-12	Lug	40-50	b/c	dk brown				40	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240263	404001	7070691	1528	25-Jun-12	Lug	40-50	b	dk brown				30	40	40	weathered bedrock	saturated	alpine	mid slope
1240264	404042	7070714	1511	25-Jun-12	Lug	30-40	b	dk brown	10			30	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240265	404080	7070751	1492	25-Jun-12	Lug	30-40	b	dk brown				40	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240266	404116	7070781	1472	25-Jun-12	Lug	30-40	b/c	dk brown				40	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240267	404151	7070816	1455	25-Jun-12	Lug	30-40	b/c	dk brown				40	30	30	weathered bedrock	moist	alpine	mid slope
1240268	404165	7070859	1445	25-Jun-12	Lug	30-40	b/c	dk brown		10		30	30	30	weathered bedrock	moist	alpine	mid slope
1240269	404188	7070899	1427	25-Jun-12	Lug	30-40	b	dk brown				30	30	40	weathered bedrock	partially frozen	alpine	mid slope
1240270	404183	7070993	1389	25-Jun-12	Lug	20-30	b	dk brown	20			20	30	30	weathered bedrock	moist	alpine	mid slope
1240271	404199	7071061	1352	25-Jun-12	Lug	30-40	b	dk brown	20			20	30	30	weathered bedrock	moist	alpine	mid slope
1240272	404201	7071121	1331	25-Jun-12	Lug	50-60	b/c	dk brown				30	40	30	weathered bedrock	partially frozen	alpine	mid slope
1240273	404218	7071155	1318	25-Jun-12	Lug	40-50	b/c	dk brown				40	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240274	404235	7071266	1295	25-Jun-12	Lug	50-60	b	dk brown	20			20	30	30	weathered bedrock	partially frozen	buck brush	mid slope
1240275	404205	7071329	1286	25-Jun-12	Lug	20-30	b	dk brown	20			20	30	30	weathered bedrock	moist	buck brush	mid slope
1240276	404164	7071370	1283	25-Jun-12	Lug	40-50	b	dk brown	30			20	20	30	weathered bedrock	partially frozen	buck brush	mid slope
1240277	404117	7071409	1275	25-Jun-12	Lug	40-50	b/c	dk brown	10			30	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240278	404061	7071426	1273	25-Jun-12	Lug	30-40	b/c	dk brown	10			30	30	30	weathered bedrock	wet	alpine	mid slope
1240279	403877	7071501	1266	25-Jun-12	Lug	50-60	b/c	dk brown				40	30	30	weathered bedrock	frozen	alpine	mid slope
1240280	403846	7071530	1264	25-Jun-12	Lug	30-40	b	dk brown				30	40	30	weathered bedrock	moist	alpine	mid slope
1240281	403814	7071566	1258	25-Jun-12	Lug	40-50	b	dk brown	10			30	30	30	weathered bedrock	frozen	alpine	mid slope
1240282	403761	7071599	1256	25-Jun-12	Lug	50-60	b	dk brown	10			30	30	30	weathered bedrock	partially frozen	alpine	mid slope
1240283	403716	7071623	1257	25-Jun-12	Lug	20-30	b	dk brown	20			20	30	30	weathered bedrock	moist	alpine	mid slope
1240191	403589	7070296	1604	25-Jun-12	Lug	20-30	b/c	dk brown	10	10				80	weathered bedrock	moist	alpine	mid slope
1240192	403534	7070282	1596	25-Jun-12	Lug	30-40	b/c	dk brown	10	10				80	weathered bedrock	moist	alpine	mid slope
1240193	403499	7070263	1593	25-Jun-12	Lug	30-40	b/c	dk brown		10				90	weathered bedrock	moist	alpine	mid slope
1240194	403232	7070194	1485	25-Jun-12	Lug	20-30	b	dk brown	50					50	talus	moist	alpine	mid slope
1240195	403120	7070183	1454	25-Jun-12	Lug	20-30	b/c	dk brown		25				75	talus	moist	alpine	mid slope
1240196	403061	7070102	1447	25-Jun-12	Lug	40-50	b/c	yel/orange		20				80	weathered bedrock	moist	alpine	mid slope
1240197	402924	7070062	1443	25-Jun-12	Lug	20-30	b	dk brown	50					50	talus	moist	alpine	plateau
1240198	402879	7070046	1440	25-Jun-12	Lug	30-40	b/c	dk brown		20	20	20		40	weathered bedrock	dry	alpine	plateau
1240199	402826	7070025	1428	25-Jun-12	Lug	30-40	b/c	dk brown		30		10		60	weathered bedrock	moist	alpine	mid slope
1240200	402785	7070026	1424	25-Jun-12	Lug	30-40	b/c	dk brown		25		20		55	weathered bedrock	dry	alpine	mid slope
1240201	402731	7070013	1415	25-Jun-12	Lug	30-40	b/c	dk brown	20	20		20		40	weathered bedrock	dry	alpine	mid slope
1240202	402665	7069995	1405	25-Jun-12	Lug	10-20	b/c	dk brown	10	30		10		50	talus	dry	alpine	mid slope
1240203	402589	7069962	1403	25-Jun-12	Lug	40-50	c	dk brown		25				75	weathered bedrock	moist	alpine	mid slope
1240204	402537	7069942	1408	25-Jun-12	Lug	30-40	b/c	dk brown		25				75	talus	moist	alpine	mid slope
1240205	402496	7069927	1416	25-Jun-12	Lug	30-40	b/c	dk brown		25		10		65	weathered bedrock	moist	alpine	ridge top
1240206	402417	7069904	1418	25-Jun-12	Lug	30-40	c	dk brown		10				90	weathered bedrock	moist	alpine	ridge top
1240207	402133	7070083	1281	25-Jun-12	Lug	30-40	b/c	yel/orange		20				80	weathered bedrock	moist	evergreen forest	mid slope
1240208	402082	7070104	1265	25-Jun-12	Lug	30-40	b/c	dk brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1240209	402033	7070103	1250	25-Jun-12	Lug	30-40	b/c	dk brown	10	20				70	weathered bedrock	moist	evergreen forest	mid slope
1240210	401983	7070112	1237	25-Jun-12	Lug	40-50	c	dk brown		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240211	401931	7070112	1225	25-Jun-12	Lug	40-50	b/c	dk brown	20					80	organic rich	partially frozen	evergreen forest	mid slope
1240212	401877	7070111	1210	25-Jun-12	Lug	40-50	c	dk brown						100	weathered bedrock	moist	evergreen forest	mid slope
1240213	401831	7070100	1202	25-Jun-12	Lug	30-40	c	dk brown		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240214	401779	7070095	1185	25-Jun-12	Lug	40-50	c	lt brown						100	weathered bedrock	moist	evergreen forest	mid slope
1240215	401736	7070087	1175	25-Jun-12	Lug	30-40	b	dk brown	70					30	organic rich	partially frozen	evergreen forest	mid slope
1240216	401685	7070079	1162	25-Jun-12	Lug	40-50	b/c	dk brown		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240217	401637	7070059	1156	25-Jun-12	Lug	60-70	c	lt brown		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240218	401580	7070061	1140	25-Jun-12	Lug	50-60	c	dk grey		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240219	401539	7070041	1130	25-Jun-12	Lug	50-60	c	dk grey		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240220	401483	7070025	1117	25-Jun-12	Lug	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen forest	mid slope
1240221	401439	7070023	1111	25-Jun-12	Lug	40-50	c	dk brown						100	weathered bedrock	moist	evergreen forest	mid slope
1240222	401397	7070003	1104	25-Jun-12	Lug	40-50	b/c	dk brown	20			20		60	weathered bedrock	moist	evergreen forest	mid slope
1240223	401347	7069985	1091	25-Jun-12	Lug	30-40	c	lt brown		20				80	weathered bedrock	moist	evergreen forest	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Org-anics	Ang. Rock	Gra-vel	Sand	Silt	Clay				
1240224	401305	7069945	1088	25-Jun-12	Lug	40-50	c	dk brown		10		20		70	weathered bedrock	moist	evergreen forest	mid slope
1240225	401272	7069915	1081	25-Jun-12	Lug	50-60	c	dk brown				40		60	weathered bedrock	moist	evergreen forest	mid slope
1240226	401223	7069881	1073	25-Jun-12	Lug	30-40	c	dk brown				30		70	weathered bedrock	moist	evergreen forest	mid slope
1240227	401187	7069859	1070	25-Jun-12	Lug	50-60	c	lt brown				20		80	weathered bedrock	moist	evergreen forest	valley bottom

Appendix II: Silt Sample Descriptions

Lugdush Property Sample Descriptions

UTM NAD 83 Zone 8

SILT SAMPLES

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Sample Environment	Medium	Medium depth (m)	Medium width (m)	Water colour	Vegetation cover
1238435	398460	7074245	1086	25-Jun-12	Lug	low energy	creek	0.2	0.5	clear	coniferous
1238436	398148	7074005	1042	25-Jun-12	Lug	low energy	creek	0.1	0.3	clear	coniferous
1238437	397565	7073421	958	25-Jun-12	Lug	low energy	creek	0.5	1	clear	coniferous
1237207	396815	7072558	867	25-Jun-12	Lug	low energy	creek	0.2	0.5	clear	coniferous

Appendix III: Rock Sample Descriptions

Lugdush Property Sample Descriptions

UTM NAD 83 Zone 8

abbreviations: py - pyrite, cpy - chalcopyrite, OC - outcrop, QV - quartz vein, qtz - quartz, cal - calcite, chl - chlorite, fg - fine grained, mg - medium grained, metased - metasediment

ROCK SAMPLES

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Rock Source	Description
1240451	397678	7074755	1333	25-Jun-12	Lug	subcrop	phyllite with 10cm quartz vein, oxidized
1240452	398186	7074649	1223	25-Jun-12	Lug	float	quartz vein hosted by phyllite, oxidized
1240453	398195	7074599	1203	25-Jun-12	Lug	outcrop	foliated quartzite with quartz veins, oxidized, very pink colors
1240454	398334	7074180	1095	25-Jun-12	Lug	outcrop	quartzite with very oxidized quartz
1240455	398072	7074048	1035	25-Jun-12	Lug	outcrop	quartzite, foliated and oxidized, with quartz veins
1240456	397943	7073932	1015	25-Jun-12	Lug	subcrop	quartz boulder, oxidized with deep red colors
1240457	397688	7073538	995	25-Jun-12	Lug	outcrop	quartz vein, foliated quartzite/biotite schist host
1240458	397540	7073430	958	25-Jun-12	Lug	outcrop	quartz in foliated quartzite host, tourmaline
1240459	397247	7073037	926	25-Jun-12	Lug	outcrop	quartz with silvery metallics, arsenopyrite, pyrite, foliated quartzite host
1205850	401921	7073294	1500	25-Jun-12	Lug	float	rusty blueish green quartzite with sulphides
1237551	402198	7072763	1375	25-Jun-12	Lug	float	quartz with arsenopyrite
1237552	402263	7072551	1378	25-Jun-12	Lug	float	rusty gray quartzite with arsenopyrite
1237553	402287	7072777	1421	25-Jun-12	Lug	float	quartzite with rust stains and greenish tint (scorodite?)
1237554	401930	7073134	1429	25-Jun-12	Lug	float	rusty brecciated quartz with black manganese stains and botroidia mineral with peacock ore stains
1237555	401623	7073236	1441	25-Jun-12	Lug	float	rusty green quartzite with sulphides
1237556	401600	7073265	1437	25-Jun-12	Lug	float	extremely rusty and heavy quartzite with arsenopyrite and chalcopyrite, gossanous
1205877	403763	7070478	1600	25-Jun-12	Lug	float	biotite schist cut by quartz veining (with disseminated sulfides?)

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Property	Rock Source	Description
1205878	403848	7070556	1575	25-Jun-12	Lug	float	vein quartz with tourmaline
1205879	404078	7070752	1492	25-Jun-12	Lug	float	muscovite-biotite schist cut by oxidized quartz vein, slight banding
1205880	404079	7070753	1492	25-Jun-12	Lug	float	pyroxenite with manganese and iron oxides
1205881	404166	7070887	1436	25-Jun-12	Lug	float	green quartzite with localized oxidation (partial skarn?)
1205882	404187	7071002	1381	25-Jun-12	Lug	float	green skarn with localized mangenese and iron oxides
1205883	404034	7071442	1270	25-Jun-12	Lug	float	somewhat oxidized vein quartz with muscovite-biotite schist, arsenopyrite?
1205689	403677	7070413	1605	25-Jun-12	Lug	talus	dk grey metased talus (top of hill), mica schist, 0.5-1cm rusty quartz vein. Smells of sulfur when broken. Good pyrite mineralization along seams along qtz contact + possibly aspy
1205690	403648	7070427	1606	25-Jun-12	Lug	talus	same talus hill, now talus is more granite than seds. Sample is partial scarn, dk green to white qtz-feld, trace sulphides
1205691	403606	7070551	1569	25-Jun-12	Lug	talus	metasediments with 2cm rusty quartz vein, mica schist, dk grey, trace sulphides
1205692	403522	7070838	1564	25-Jun-12	Lug	talus	rusty dark grey metaseds, similar to 5691
1205693	403452	7070909	1540	25-Jun-12	Lug	talus	altered, bleached metased talus, carb alteration? folding, oxididation along crenulations
1205694	402702	7070784	1302	25-Jun-12	Lug	talus	close to 2011 3gr/t Au sample. Old sample location buried by snow. Oxidized qtz breccia, cherty infilling, some carb alteration, generally very oxidized with Fe staining and MnO
1205695	402702	7070784	1302	25-Jun-12	Lug	talus	beside 5694, partial scarn. Dk green, 1.5 cm recrystallized QV with well formed late stage qtz crystals, rusty sulphide vugs and pockets
1205696	402682	7070796	1294	25-Jun-12	Lug	talus	oxidized recrystallized quartz vein material with MnO, Fe, similar to 5694
1205697	402671	7070830		25-Jun-12	Lug	talus	altered bleached carb material, recrystallized QV? Less black MnO than previous. Green staining possibly scorodite (As)
1205698	402618	7070802	1286	25-Jun-12	Lug	talus	similar to 5694, more tan-pink oxidation, looking more like quartzite here.
1205699	402478	7069929	1421	25-Jun-12	Lug	outcrop	metaseds at contact with granite. Sedimentary OC is only 2m away from granite outcrop. Sample is oxidized mica schist with 0.5cm rusty QV. No min.

Appendix IV: Soil Sample Assay Certificates

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

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Dawson City
Received: June 28, 2012
Report Date: July 11, 2012
Page: 1 of 9

CERTIFICATE OF ANALYSIS DAW12000063.1

CLIENT JOB INFORMATION

Project: LUG
Shipment ID: LUG Soils+Silts 1
P.O. Number
Number of Samples: 222

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	222	Dry at 60C			DAW
SS80	222	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	222	Saving all or part of Soil Reject			DAW
1DX2	222	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
GENERAL MANAGER

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

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

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
1241011	Soil	0.9	18.6	14.7	41	<0.1	10.7	4.0	123	2.02	31.3	4.4	0.7	14	0.1	0.7	0.4	33	0.05	0.048	15
1241012	Soil	1.1	17.3	42.9	75	0.4	16.8	5.6	203	2.41	109.7	17.7	1.6	15	0.5	2.3	0.5	40	0.10	0.055	16
1241013	Soil	0.7	22.2	16.2	62	0.1	17.1	6.5	241	2.54	17.4	9.4	6.8	14	0.2	0.7	0.3	29	0.10	0.048	17
1241014	Soil	0.8	14.2	9.8	38	<0.1	11.3	3.9	123	1.61	13.9	3.1	0.4	13	0.1	0.5	0.2	30	0.10	0.049	12
1241015	Soil	0.9	13.2	21.8	51	<0.1	13.3	4.9	178	1.78	43.1	5.7	0.7	14	0.2	0.6	0.4	33	0.15	0.052	12
1241016	Soil	0.8	12.1	39.2	66	0.2	11.6	4.3	169	1.66	59.6	15.5	0.4	15	0.8	0.6	0.3	33	0.15	0.050	12
1241017	Soil	1.3	9.5	12.5	44	0.2	10.4	3.7	129	1.65	46.6	26.3	0.8	20	0.2	0.5	0.3	36	0.23	0.046	13
1241018	Soil	0.7	9.8	16.9	34	0.2	8.7	2.8	87	1.45	29.3	4.1	0.3	12	0.3	0.4	0.3	29	0.11	0.047	10
1241019	Soil	0.6	14.3	13.1	44	0.1	12.2	4.6	205	1.71	23.5	5.4	0.7	12	0.2	0.5	0.2	30	0.12	0.047	13
1241020	Soil	0.8	12.3	11.3	47	0.1	11.7	4.0	153	1.77	17.9	3.5	0.9	12	0.1	0.5	0.2	31	0.12	0.049	12
1241021	Soil	1.1	14.1	15.1	43	0.3	10.3	3.4	139	1.58	23.1	9.0	0.3	11	0.3	0.6	0.3	35	0.07	0.040	11
1241022	Soil	0.8	12.1	14.8	51	0.1	12.5	4.9	206	1.95	21.1	4.7	0.9	12	0.2	0.5	0.2	34	0.13	0.055	12
1241023	Soil	0.9	13.8	21.3	54	0.2	13.0	4.7	191	2.02	37.3	15.7	0.9	12	0.2	0.6	0.3	34	0.11	0.055	14
1241024	Soil	0.8	28.9	48.1	48	1.3	12.5	2.8	78	1.45	52.2	15.8	0.3	14	1.6	0.5	0.6	25	0.09	0.083	13
1241025	Soil	0.8	10.5	17.1	36	0.4	9.5	2.8	81	1.21	15.2	15.1	0.3	11	0.6	0.4	0.2	29	0.09	0.040	10
1241026	Soil	0.8	12.4	47.5	39	0.6	10.0	3.2	102	1.73	27.5	15.3	0.3	12	0.6	0.4	0.3	35	0.10	0.056	11
1241027	Soil	0.8	14.9	23.4	72	0.7	11.9	4.3	165	1.79	41.5	59.5	0.5	11	0.9	0.5	0.4	36	0.10	0.050	14
1241028	Soil	0.6	13.9	14.7	65	0.3	14.5	5.3	208	1.90	35.4	15.2	2.2	13	0.4	0.5	0.4	31	0.13	0.052	16
1241029	Soil	0.7	13.8	12.9	59	0.3	13.7	5.5	215	1.90	32.7	228.6	2.2	13	0.3	0.5	0.5	32	0.14	0.054	14
1241030	Soil	0.6	15.3	13.9	55	0.3	15.2	5.8	195	1.84	50.3	23.9	3.8	15	0.2	0.5	0.5	31	0.18	0.055	16
1241031	Soil	0.6	11.1	11.7	44	0.5	11.7	4.1	120	1.67	37.2	15.6	0.8	13	0.2	0.4	0.5	28	0.12	0.052	14
1241032	Soil	0.8	9.6	9.1	45	0.3	11.5	4.2	132	1.72	36.9	6.4	0.7	13	0.2	0.4	0.5	32	0.11	0.055	12
1241033	Soil	0.5	11.3	9.4	49	0.3	12.0	4.9	128	1.62	27.7	14.0	1.5	15	0.1	0.4	0.4	25	0.13	0.047	14
1241034	Soil	0.7	13.0	10.4	42	0.4	11.3	5.1	166	1.69	41.2	17.5	1.5	16	0.2	0.4	0.3	26	0.12	0.050	14
1241035	Soil	0.7	10.9	10.8	53	0.3	13.0	5.5	185	1.85	33.8	45.4	2.5	15	0.2	0.5	0.4	29	0.13	0.051	15
1241036	Soil	1.0	16.1	10.7	47	0.2	13.7	6.3	272	2.09	36.5	19.5	1.1	14	0.2	0.5	0.4	38	0.11	0.044	16
1241037	Soil	0.9	18.3	11.1	48	<0.1	14.0	9.8	449	2.39	26.6	4.1	5.1	16	0.2	0.5	0.3	29	0.09	0.041	21
1241038	Soil	0.6	13.8	6.5	38	0.3	10.4	3.9	129	1.43	13.0	3.4	0.6	15	0.2	0.3	0.2	25	0.12	0.049	12
1241039	Soil	0.5	18.0	9.2	51	0.2	13.9	5.5	145	1.87	20.6	3.7	2.3	16	0.2	0.4	0.3	29	0.14	0.048	17
1241040	Soil	0.5	12.1	10.4	48	0.2	11.9	4.7	123	1.77	23.8	7.1	2.2	14	0.2	0.5	0.2	29	0.15	0.050	14

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Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
1241011	Soil	20	0.29	75	0.010	2	1.05	0.007	0.03	0.1	0.04	0.8	<0.1	<0.05	5	<0.5	<1	<0.2
1241012	Soil	37	0.47	113	0.023	2	1.33	0.005	0.04	0.3	0.04	2.2	0.1	<0.05	4	<0.5	1	<0.2
1241013	Soil	20	0.44	88	0.026	2	1.15	0.005	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<1	<0.2
1241014	Soil	16	0.26	170	0.012	2	0.83	0.007	0.03	0.2	0.03	0.9	<0.1	<0.05	4	<0.5	<1	<0.2
1241015	Soil	19	0.32	134	0.018	2	1.02	0.005	0.04	0.3	0.04	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1241016	Soil	17	0.26	156	0.016	<1	0.88	0.005	0.03	0.2	0.05	1.0	<0.1	<0.05	4	<0.5	<1	<0.2
1241017	Soil	19	0.28	172	0.023	2	0.83	0.012	0.03	0.8	0.05	1.4	<0.1	<0.05	4	<0.5	<1	<0.2
1241018	Soil	16	0.25	104	0.012	4	0.82	0.005	0.04	0.2	0.07	0.8	<0.1	<0.05	4	<0.5	<1	<0.2
1241019	Soil	17	0.29	114	0.017	2	0.95	0.005	0.04	0.2	0.05	1.2	<0.1	<0.05	3	<0.5	<1	<0.2
1241020	Soil	18	0.30	106	0.020	1	0.90	0.005	0.03	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<1	<0.2
1241021	Soil	17	0.20	159	0.011	1	0.86	0.005	0.04	0.3	0.05	0.9	<0.1	<0.05	4	<0.5	<1	<0.2
1241022	Soil	19	0.32	134	0.019	<1	0.96	0.005	0.03	0.3	0.04	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1241023	Soil	20	0.33	113	0.020	2	1.00	0.004	0.04	0.2	0.04	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1241024	Soil	22	0.17	193	0.006	<1	1.10	0.006	0.05	0.2	0.10	0.7	0.1	<0.05	4	<0.5	1	<0.2
1241025	Soil	15	0.22	131	0.013	<1	0.73	0.004	0.03	0.2	0.06	0.9	<0.1	<0.05	3	<0.5	<1	<0.2
1241026	Soil	18	0.25	142	0.013	<1	0.91	0.006	0.03	0.2	0.07	1.1	0.1	<0.05	4	<0.5	<1	<0.2
1241027	Soil	19	0.29	135	0.014	2	1.04	0.013	0.04	0.8	0.05	1.2	<0.1	<0.05	4	<0.5	<1	<0.2
1241028	Soil	20	0.33	122	0.022	<1	1.02	0.004	0.04	0.5	0.05	2.0	<0.1	<0.05	3	<0.5	<1	<0.2
1241029	Soil	20	0.33	114	0.024	1	1.07	0.005	0.04	0.5	0.04	2.3	<0.1	<0.05	3	0.8	<1	<0.2
1241030	Soil	20	0.36	126	0.029	<1	1.11	0.007	0.04	1.8	0.03	2.1	<0.1	<0.05	3	<0.5	<1	<0.2
1241031	Soil	19	0.30	153	0.015	<1	1.03	0.005	0.04	0.4	0.06	1.7	<0.1	<0.05	4	<0.5	<1	<0.2
1241032	Soil	17	0.29	139	0.011	1	0.95	0.005	0.03	0.3	0.05	1.3	<0.1	<0.05	4	<0.5	<1	<0.2
1241033	Soil	19	0.32	137	0.017	<1	1.03	0.015	0.04	0.3	0.06	1.9	<0.1	<0.05	4	<0.5	<1	<0.2
1241034	Soil	18	0.30	152	0.015	<1	1.00	0.006	0.03	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	1	<0.2
1241035	Soil	19	0.34	135	0.021	<1	1.07	0.010	0.04	0.4	0.04	1.9	0.1	<0.05	4	<0.5	<1	<0.2
1241036	Soil	20	0.32	155	0.018	<1	1.05	0.006	0.04	0.2	0.04	1.5	0.1	<0.05	4	<0.5	1	<0.2
1241037	Soil	18	0.34	103	0.021	<1	1.01	0.006	0.03	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<1	<0.2
1241038	Soil	17	0.25	136	0.013	<1	0.85	0.006	0.03	0.2	0.05	1.1	<0.1	<0.05	3	<0.5	<1	<0.2
1241039	Soil	21	0.34	188	0.022	<1	1.12	0.005	0.04	0.5	0.06	2.5	<0.1	<0.05	4	<0.5	<1	<0.2
1241040	Soil	18	0.33	122	0.021	<1	1.07	0.005	0.04	0.3	0.04	1.8	<0.1	<0.05	3	<0.5	<1	<0.2

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Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

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
1241041	Soil	0.7	16.1	7.8	53	<0.1	13.6	6.0	224	1.94	24.4	3.8	5.8	16	0.3	0.5	0.2	29	0.17	0.052	16
1241042	Soil	0.7	15.9	10.9	43	0.2	11.9	4.8	137	1.79	22.3	5.6	0.8	14	0.2	0.4	0.3	30	0.13	0.050	14
1241043	Soil	0.6	13.7	9.5	50	0.2	13.1	5.2	155	1.75	21.1	19.0	3.7	16	0.2	0.5	0.2	28	0.16	0.051	15
1241044	Soil	0.6	13.8	9.9	52	0.2	12.8	5.5	194	1.97	27.2	5.0	3.3	16	0.2	0.4	0.4	31	0.17	0.051	16
1241045	Soil	0.6	10.5	8.8	46	0.1	12.6	4.9	127	1.70	19.6	3.6	2.8	15	<0.1	0.4	0.2	28	0.15	0.050	13
1241046	Soil	0.6	11.4	8.3	46	0.1	11.6	4.7	115	1.84	31.8	7.5	2.2	16	0.2	0.5	0.2	30	0.15	0.052	13
1241047	Soil	0.4	13.8	8.4	40	<0.1	10.7	3.9	107	1.60	15.6	10.7	0.7	13	0.1	0.4	0.3	27	0.13	0.049	14
1241048	Soil	0.6	13.8	8.3	45	<0.1	12.1	4.5	122	1.76	17.8	6.4	2.1	14	0.1	0.5	0.2	29	0.15	0.057	12
1241049	Soil	0.6	12.4	9.6	46	0.1	11.7	5.3	201	1.85	18.8	16.0	1.0	14	0.1	0.4	0.2	33	0.14	0.049	12
1241050	Soil	0.7	14.7	14.1	55	0.2	13.5	6.7	259	2.02	25.7	4.4	1.8	14	0.1	0.5	0.2	31	0.13	0.050	12
1241051	Soil	0.5	15.0	31.6	65	0.5	16.6	7.0	233	2.06	68.2	8.5	0.8	18	0.4	0.5	0.3	32	0.15	0.059	15
1241052	Soil	0.5	14.5	11.8	46	0.1	12.2	4.3	127	1.71	25.4	7.8	1.5	13	<0.1	0.4	0.4	29	0.14	0.057	13
1239808	Soil	1.1	28.6	15.1	63	<0.1	22.4	8.1	272	2.55	11.9	12.9	3.3	11	0.1	0.9	0.4	46	0.09	0.036	14
1239809	Soil	1.6	179.4	8.9	74	0.4	33.9	13.2	338	3.36	11.0	40.6	5.2	56	0.2	0.5	10.0	60	0.27	0.056	18
1239810	Soil	1.9	493.9	9.0	63	1.1	34.4	15.7	375	4.87	12.7	273.2	8.2	38	0.3	0.7	67.0	43	0.23	0.071	19
1239811	Soil	0.8	25.1	8.8	49	0.1	21.4	7.4	248	2.31	14.3	7.5	3.0	10	0.2	0.7	0.8	39	0.09	0.035	12
1239812	Soil	1.1	25.7	9.3	60	<0.1	25.1	9.7	304	2.51	12.0	3.1	3.1	14	0.2	0.8	0.5	45	0.16	0.050	13
1239813	Soil	1.2	24.3	9.9	63	<0.1	25.1	10.2	353	2.39	29.4	10.1	4.2	10	0.2	0.8	0.3	43	0.09	0.024	14
1239814	Soil	0.9	14.9	9.3	45	0.2	12.8	4.7	184	2.32	20.8	5.4	1.4	8	0.4	0.6	0.3	46	0.06	0.037	11
1239815	Soil	1.0	22.3	10.5	52	<0.1	19.6	8.6	285	2.51	18.9	5.8	3.4	11	0.2	0.6	0.2	43	0.11	0.047	14
1239816	Soil	1.2	21.4	11.5	53	<0.1	17.4	7.3	278	2.59	27.3	6.6	0.5	10	0.3	0.6	0.2	48	0.07	0.066	11
1239817	Soil	0.9	19.0	11.2	49	0.3	14.7	5.7	219	1.99	26.2	7.8	0.2	11	0.4	0.5	0.2	39	0.07	0.078	8
1239818	Soil	1.2	16.8	11.3	54	0.1	14.3	7.1	410	2.11	21.6	4.0	0.3	11	0.3	0.5	0.2	42	0.07	0.069	9
1239819	Soil	2.8	12.2	9.6	53	<0.1	14.3	5.9	236	2.04	18.0	2.6	1.9	11	0.1	0.5	0.2	41	0.11	0.041	13
1239820	Soil	2.3	7.0	7.6	25	<0.1	6.8	2.5	74	1.24	9.7	3.5	0.2	9	<0.1	0.3	0.2	32	0.07	0.030	10
1239821	Soil	5.7	10.3	8.7	49	<0.1	13.2	4.7	157	1.80	12.7	5.2	2.7	12	0.1	0.4	0.2	39	0.12	0.038	15
1239822	Soil	11.0	7.1	9.1	34	0.1	9.3	3.0	105	1.30	16.4	1.9	0.6	15	0.1	0.3	0.4	33	0.14	0.039	12
1239823	Soil	1.2	9.9	8.1	37	<0.1	9.9	3.6	124	1.72	8.9	2.6	0.8	9	<0.1	0.4	0.3	36	0.09	0.038	13
1239824	Soil	0.6	24.2	9.9	51	<0.1	15.5	10.1	438	2.35	11.7	7.9	6.0	10	<0.1	0.8	0.1	40	0.08	0.044	19
1239825	Soil	1.3	11.2	12.3	68	<0.1	14.6	7.8	309	2.66	10.6	1.6	10.8	9	0.3	0.6	0.5	49	0.07	0.046	18

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

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
1241041	Soil	19	0.36	141	0.034	<1	0.95	0.006	0.04	0.3	0.02	2.2	<0.1	<0.05	3	<0.5	1	<0.2
1241042	Soil	19	0.30	142	0.014	<1	1.08	0.006	0.04	0.2	0.04	1.4	0.1	<0.05	4	<0.5	<1	<0.2
1241043	Soil	18	0.36	140	0.030	<1	1.07	0.006	0.05	0.3	0.03	2.3	<0.1	<0.05	4	<0.5	1	<0.2
1241044	Soil	20	0.42	185	0.035	<1	1.26	0.006	0.06	0.4	0.04	2.6	0.1	<0.05	4	<0.5	2	<0.2
1241045	Soil	17	0.31	126	0.026	1	1.00	0.006	0.03	0.4	0.03	2.2	<0.1	<0.05	3	<0.5	<1	<0.2
1241046	Soil	17	0.32	146	0.023	<1	1.01	0.005	0.03	0.3	0.04	1.9	<0.1	<0.05	3	<0.5	<1	<0.2
1241047	Soil	17	0.31	170	0.020	<1	0.98	0.005	0.03	0.3	0.05	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1241048	Soil	18	0.35	130	0.028	<1	1.04	0.006	0.03	0.3	0.04	1.9	<0.1	<0.05	4	<0.5	<1	<0.2
1241049	Soil	18	0.33	132	0.025	<1	1.09	0.005	0.03	0.3	0.04	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1241050	Soil	19	0.34	139	0.025	<1	1.08	0.005	0.03	0.3	0.03	1.6	<0.1	<0.05	4	<0.5	<1	<0.2
1241051	Soil	20	0.36	217	0.016	<1	1.23	0.005	0.03	0.3	0.06	1.8	0.1	0.05	4	<0.5	<1	<0.2
1241052	Soil	17	0.30	149	0.022	<1	0.98	0.004	0.03	0.3	0.05	2.0	0.2	<0.05	3	<0.5	<1	<0.2
1239808	Soil	30	0.47	113	0.051	1	1.48	0.007	0.13	1.3	0.03	3.2	0.3	<0.05	5	<0.5	<1	<0.2
1239809	Soil	46	0.63	231	0.090	<1	2.94	0.014	0.28	1.1	0.05	6.1	0.5	0.09	10	<0.5	2	0.3
1239810	Soil	31	0.42	259	0.091	2	2.38	0.023	0.10	10.0	0.08	4.6	0.3	0.11	8	2.8	2	1.3
1239811	Soil	24	0.40	90	0.049	1	1.33	0.005	0.06	1.3	0.04	2.2	0.2	<0.05	4	<0.5	<1	<0.2
1239812	Soil	26	0.44	129	0.061	<1	1.39	0.008	0.09	0.5	0.05	2.9	0.2	<0.05	4	<0.5	<1	<0.2
1239813	Soil	26	0.41	136	0.058	1	1.29	0.007	0.10	0.7	0.03	2.8	0.2	<0.05	4	<0.5	<1	<0.2
1239814	Soil	24	0.28	77	0.043	<1	1.31	0.006	0.04	0.4	0.06	1.8	0.2	0.05	5	<0.5	<1	<0.2
1239815	Soil	26	0.37	90	0.050	1	1.39	0.006	0.07	0.5	0.05	2.5	0.2	<0.05	4	<0.5	<1	<0.2
1239816	Soil	27	0.36	107	0.028	<1	1.44	0.006	0.06	0.4	0.05	1.5	0.2	<0.05	5	<0.5	<1	<0.2
1239817	Soil	22	0.31	93	0.026	1	1.25	0.008	0.07	0.4	0.06	1.0	0.2	0.07	5	<0.5	<1	<0.2
1239818	Soil	24	0.33	96	0.026	<1	1.38	0.007	0.06	0.3	0.04	1.1	0.2	0.07	5	<0.5	2	<0.2
1239819	Soil	23	0.35	107	0.037	<1	1.08	0.005	0.05	0.4	0.03	1.9	0.1	<0.05	4	<0.5	<1	<0.2
1239820	Soil	16	0.20	98	0.019	<1	0.81	0.005	0.03	0.2	0.04	0.6	0.1	<0.05	4	<0.5	<1	<0.2
1239821	Soil	22	0.36	116	0.039	<1	1.13	0.006	0.05	0.4	0.03	2.1	0.2	<0.05	5	<0.5	<1	<0.2
1239822	Soil	18	0.29	96	0.030	<1	0.86	0.007	0.04	0.8	0.02	1.2	0.2	<0.05	5	<0.5	1	<0.2
1239823	Soil	19	0.30	79	0.028	1	1.11	0.005	0.05	0.2	0.04	1.5	0.2	<0.05	5	<0.5	1	<0.2
1239824	Soil	25	0.41	115	0.047	<1	1.43	0.006	0.04	0.2	0.06	4.9	0.1	<0.05	4	<0.5	<1	<0.2
1239825	Soil	26	0.40	100	0.063	1	1.94	0.007	0.10	0.7	0.02	3.4	0.3	0.07	7	<0.5	3	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1239826	Soil	0.6	9.8	11.6	85	<0.1	10.7	5.9	290	2.14	7.8	4.9	24.8	7	0.2	0.4	0.3	36	0.09	0.064	30
1239827	Soil	1.1	9.3	10.7	82	<0.1	9.2	6.5	271	2.34	7.0	1.5	18.8	6	0.2	0.4	0.7	38	0.05	0.065	27
1239828	Soil	0.5	7.5	12.4	101	<0.1	8.4	5.4	353	2.20	5.8	1.0	40.0	6	0.4	0.3	0.7	30	0.07	0.063	46
1239829	Soil	0.9	12.9	10.8	61	<0.1	16.0	6.8	267	2.37	9.2	2.9	15.3	9	0.1	0.5	0.3	47	0.07	0.037	21
1239830	Soil	1.4	14.2	11.8	68	<0.1	18.1	8.3	271	2.82	11.8	3.0	9.8	10	0.3	0.7	0.2	55	0.08	0.050	15
1239831	Soil	1.0	17.1	15.5	58	0.2	17.2	8.5	293	2.52	11.0	4.0	12.2	11	0.2	0.7	0.3	50	0.08	0.041	20
1239832	Soil	1.1	12.6	11.8	64	<0.1	16.7	8.0	262	2.61	11.6	3.1	8.6	10	0.2	0.6	0.3	53	0.08	0.045	15
1239833	Soil	0.4	14.8	10.7	75	<0.1	8.3	4.7	287	2.05	5.7	4.3	25.5	10	0.2	0.3	0.7	31	0.13	0.059	33
1239834	Soil	0.8	14.5	15.8	59	0.2	18.6	8.3	232	2.43	12.8	2.5	8.2	9	0.3	0.7	0.4	41	0.06	0.025	14
1239835	Soil	0.8	13.2	31.0	77	<0.1	14.0	5.5	249	2.15	10.7	2.1	12.7	8	0.3	0.7	2.1	31	0.09	0.051	19
1239836	Soil	1.0	9.1	27.3	52	0.1	11.4	4.7	167	2.06	9.8	2.0	8.5	9	0.3	0.5	1.5	42	0.07	0.034	16
1239837	Soil	1.2	14.1	29.3	85	<0.1	18.3	8.1	304	2.89	14.7	3.0	14.3	15	0.4	0.7	2.2	57	0.13	0.047	21
1238417	Soil	0.7	34.5	15.2	58	0.1	23.2	8.7	311	2.56	29.6	29.0	6.8	11	0.2	0.7	0.4	37	0.09	0.039	18
1238418	Soil	0.9	30.4	9.1	60	<0.1	24.2	10.9	420	2.77	104.5	11.1	6.4	17	0.1	0.7	1.1	33	0.14	0.052	22
1238419	Soil	0.6	33.4	11.7	71	0.1	24.3	9.3	504	2.64	34.4	12.8	4.3	23	<0.1	0.8	0.5	40	0.20	0.052	18
1238420	Soil	0.9	49.0	32.4	147	0.9	23.5	8.2	251	2.88	91.4	16.2	8.5	10	1.1	0.7	3.9	39	0.05	0.025	16
1238421	Soil	1.1	57.9	10.6	44	1.4	20.3	7.1	238	2.84	23.7	89.0	6.3	13	0.2	0.7	21.0	46	0.10	0.029	12
1238422	Soil	0.4	39.3	9.6	49	0.2	18.3	7.0	236	2.20	43.4	22.6	7.8	14	0.1	0.4	3.2	29	0.11	0.030	24
1238771	Soil	0.5	26.1	8.0	64	<0.1	23.9	7.6	354	1.99	12.8	1.9	4.7	16	0.4	0.8	0.2	30	0.18	0.078	12
1238772	Soil	0.5	15.1	9.7	44	<0.1	13.8	5.9	202	1.78	10.2	2.8	2.3	13	0.1	0.5	0.2	27	0.13	0.055	15
1238773	Soil	0.5	14.7	12.8	43	<0.1	13.0	5.2	196	1.82	9.7	2.6	1.8	11	0.1	0.5	0.2	30	0.12	0.050	15
1238774	Soil	0.6	15.2	13.8	49	<0.1	13.3	4.8	173	1.88	10.2	3.8	2.0	11	0.1	0.5	0.2	31	0.12	0.048	15
1238775	Soil	0.7	17.5	18.1	52	0.2	13.3	5.4	169	1.98	11.7	12.9	1.7	12	0.2	0.5	0.2	31	0.13	0.051	18
1238776	Soil	0.5	20.6	17.4	57	0.1	16.1	7.1	271	2.10	11.2	6.9	4.6	13	0.3	0.6	0.2	29	0.14	0.052	21
1238777	Soil	0.6	14.4	9.7	41	<0.1	12.6	4.8	175	1.84	9.4	1.1	1.4	10	<0.1	0.4	0.2	30	0.10	0.043	17
1238778	Soil	0.6	16.3	9.9	48	<0.1	15.4	6.0	240	1.90	12.2	3.5	3.3	10	0.1	0.6	0.2	28	0.10	0.048	18
1238779	Soil	0.6	16.9	11.5	47	0.1	13.7	5.4	227	1.94	11.9	1.3	2.0	10	0.1	0.5	0.2	27	0.10	0.048	20
1238780	Soil	0.5	15.8	9.0	45	0.1	14.5	5.9	197	1.86	9.7	3.4	3.1	10	0.1	0.5	0.2	25	0.12	0.045	20
1238781	Soil	0.7	11.9	15.7	40	<0.1	11.6	5.2	159	2.04	12.5	2.9	0.8	11	0.1	0.4	0.2	31	0.11	0.051	16
1238782	Soil	0.6	13.1	8.7	55	<0.1	15.7	6.6	280	1.78	11.4	1.9	2.8	11	0.2	0.5	0.2	30	0.12	0.046	12

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	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
1239826	Soil	19	0.37	138	0.096	<1	2.04	0.008	0.21	0.7	0.04	4.9	0.7	<0.05	9	<0.5	7	<0.2
1239827	Soil	18	0.30	96	0.021	<1	1.99	0.006	0.09	0.7	0.02	3.1	0.4	0.05	9	<0.5	3	<0.2
1239828	Soil	14	0.34	117	0.054	<1	2.07	0.008	0.19	0.5	0.03	4.7	0.6	0.05	10	<0.5	6	<0.2
1239829	Soil	27	0.44	133	0.077	2	2.14	0.007	0.11	0.3	0.06	4.7	0.4	<0.05	7	<0.5	4	<0.2
1239830	Soil	35	0.49	125	0.075	<1	2.25	0.008	0.07	0.3	0.07	4.8	0.3	<0.05	6	<0.5	2	<0.2
1239831	Soil	31	0.45	151	0.076	1	2.02	0.008	0.08	0.4	0.06	4.9	0.3	<0.05	6	0.6	2	<0.2
1239832	Soil	28	0.40	145	0.060	1	1.82	0.007	0.08	0.3	0.02	3.2	0.3	<0.05	7	<0.5	2	<0.2
1239833	Soil	13	0.36	158	0.082	<1	1.82	0.007	0.23	1.6	<0.01	4.0	0.7	<0.05	9	<0.5	7	<0.2
1239834	Soil	24	0.39	148	0.034	<1	1.57	0.005	0.05	0.8	0.05	2.9	0.2	<0.05	5	<0.5	1	<0.2
1239835	Soil	18	0.35	81	0.025	<1	1.19	0.005	0.06	3.3	0.02	2.4	0.2	<0.05	5	<0.5	2	<0.2
1239836	Soil	22	0.33	130	0.034	<1	1.46	0.006	0.05	2.8	0.03	2.8	0.2	0.05	5	<0.5	1	<0.2
1239837	Soil	28	0.47	201	0.048	<1	1.92	0.008	0.08	4.4	0.02	3.5	0.3	<0.05	8	<0.5	3	<0.2
1238417	Soil	24	0.42	159	0.029	<1	1.37	0.005	0.05	0.2	0.05	3.5	<0.1	<0.05	4	<0.5	<1	<0.2
1238418	Soil	22	0.47	197	0.028	<1	1.35	0.007	0.06	0.2	0.02	3.4	0.1	<0.05	4	<0.5	<1	<0.2
1238419	Soil	28	0.45	530	0.029	<1	1.33	0.010	0.05	0.2	0.05	4.5	0.1	<0.05	4	<0.5	<1	<0.2
1238420	Soil	25	0.37	113	0.020	<1	1.58	0.008	0.06	0.3	0.03	2.8	0.2	<0.05	5	<0.5	1	<0.2
1238421	Soil	28	0.42	166	0.030	<1	1.86	0.014	0.06	2.5	0.04	2.8	0.1	<0.05	5	<0.5	2	<0.2
1238422	Soil	19	0.38	177	0.023	<1	1.12	0.008	0.05	0.7	0.01	2.4	0.1	<0.05	4	<0.5	1	<0.2
1238771	Soil	17	0.32	117	0.038	<1	0.91	0.006	0.05	0.2	0.02	2.9	<0.1	<0.05	3	<0.5	<1	<0.2
1238772	Soil	16	0.31	124	0.026	<1	0.97	0.006	0.04	0.1	0.04	2.0	<0.1	<0.05	3	0.5	<1	<0.2
1238773	Soil	17	0.30	89	0.023	<1	0.98	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<1	<0.2
1238774	Soil	18	0.30	92	0.020	<1	1.05	0.005	0.04	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	<1	<0.2
1238775	Soil	19	0.30	166	0.016	<1	1.20	0.005	0.04	0.2	0.05	1.8	0.1	<0.05	4	<0.5	<1	<0.2
1238776	Soil	18	0.32	204	0.025	<1	0.97	0.005	0.05	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	1	<0.2
1238777	Soil	17	0.27	108	0.017	<1	0.99	0.004	0.04	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1238778	Soil	17	0.32	86	0.021	<1	0.97	0.005	0.04	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<1	<0.2
1238779	Soil	18	0.33	95	0.015	<1	1.05	0.004	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<1	<0.2
1238780	Soil	16	0.28	101	0.017	<1	0.94	0.005	0.05	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<1	<0.2
1238781	Soil	17	0.27	110	0.008	<1	1.04	0.005	0.05	0.1	0.04	0.9	<0.1	<0.05	4	<0.5	3	<0.2
1238782	Soil	17	0.30	88	0.026	<1	0.95	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<1	<0.2

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56th Floor - 100 King Street West
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Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

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
1238783	Soil	0.9	24.0	12.6	66	<0.1	23.8	10.9	415	2.52	15.6	6.9	4.2	14	0.2	0.6	0.2	36	0.12	0.046	17
1238784	Soil	0.7	22.3	13.9	67	<0.1	24.2	11.4	407	2.53	18.8	1.2	4.7	13	0.1	0.6	0.2	35	0.12	0.039	17
1238785	Soil	1.0	11.4	14.2	43	0.1	14.5	6.6	186	2.81	18.2	1.1	3.0	17	0.2	0.5	0.4	59	0.14	0.059	13
1238786	Soil	0.7	25.5	10.7	51	<0.1	22.7	9.3	309	2.31	15.3	3.2	6.3	11	<0.1	0.8	0.3	35	0.07	0.016	17
1238787	Soil	0.5	20.5	13.0	59	<0.1	25.7	12.0	400	2.66	15.6	2.9	6.5	11	0.1	0.7	0.3	41	0.09	0.028	13
1238788	Soil	0.6	16.2	16.0	68	<0.1	18.4	8.9	495	2.35	15.5	2.2	6.7	12	0.2	0.5	0.3	31	0.11	0.038	23
1238789	Soil	0.5	23.1	11.8	51	0.2	22.4	6.9	259	2.16	20.1	4.7	6.7	26	0.2	0.8	0.2	28	0.31	0.043	24
1238790	Soil	0.6	20.1	15.4	49	0.1	19.6	8.4	318	2.48	45.2	7.6	10.9	15	<0.1	1.3	0.2	22	0.14	0.028	33
1238791	Soil	0.8	21.5	21.8	53	<0.1	20.9	8.2	384	2.22	34.6	5.0	8.6	19	<0.1	1.0	0.2	28	0.24	0.039	26
1238792	Soil	0.5	19.3	23.7	53	<0.1	17.6	6.6	245	2.27	33.9	4.4	9.5	15	0.1	0.7	0.2	29	0.14	0.027	25
1238793	Soil	0.7	22.5	13.7	46	<0.1	21.3	7.4	345	2.19	13.8	5.6	6.7	16	<0.1	0.7	0.2	34	0.16	0.032	16
1238794	Soil	0.3	21.7	18.3	38	<0.1	19.5	9.2	472	2.13	30.6	1.9	14.6	9	<0.1	1.0	0.2	12	0.05	0.016	34
1238795	Soil	0.6	18.6	15.5	40	0.1	15.0	7.1	241	1.99	25.1	6.4	8.1	14	<0.1	0.9	0.2	30	0.10	0.013	21
1238796	Soil	0.6	19.4	22.7	47	<0.1	18.9	9.4	326	2.16	22.8	2.8	10.9	10	0.1	1.2	0.2	28	0.06	0.016	23
1238797	Soil	0.7	16.1	12.7	43	0.1	13.6	6.2	219	2.12	33.4	4.2	7.3	9	0.1	1.1	0.2	34	0.06	0.019	19
1238798	Soil	0.7	17.1	13.9	74	<0.1	17.5	8.1	295	2.04	14.8	2.4	8.3	8	0.2	0.9	0.1	26	0.06	0.015	20
1238799	Soil	0.7	16.0	16.3	45	<0.1	17.7	6.9	224	2.24	19.5	1.2	8.1	10	0.1	0.7	0.2	30	0.05	0.017	22
1238800	Soil	0.4	21.4	17.6	45	<0.1	20.5	9.1	228	2.09	19.5	1.8	14.0	8	<0.1	0.6	0.1	16	0.04	0.022	39
1241201	Soil	0.7	19.1	15.8	46	<0.1	20.7	8.6	358	2.20	10.1	2.6	8.3	15	<0.1	0.6	0.2	22	0.17	0.024	23
1241202	Soil	0.8	26.9	11.6	44	<0.1	21.4	7.8	277	2.34	10.2	4.5	6.5	16	<0.1	0.7	0.2	36	0.16	0.020	17
1241203	Soil	1.1	11.4	8.2	37	<0.1	12.4	5.6	208	2.17	13.2	2.0	3.3	7	<0.1	0.9	0.2	39	0.05	0.031	11
1241204	Soil	0.7	25.9	12.5	66	<0.1	27.9	10.1	329	3.08	13.1	2.5	11.3	6	<0.1	0.6	0.2	26	0.04	0.024	31
1241205	Soil	0.8	18.4	12.7	51	<0.1	18.0	8.1	248	2.51	11.9	6.7	5.5	10	<0.1	0.8	0.2	43	0.07	0.017	16
1241206	Soil	0.7	15.3	44.3	43	<0.1	16.3	6.2	308	1.83	15.4	1.8	9.1	5	0.2	1.0	0.3	18	0.04	0.026	22
1241207	Soil	1.0	12.9	28.9	65	0.2	15.9	7.6	288	2.79	16.6	2.3	5.0	7	0.2	1.0	0.2	44	0.06	0.047	17
1241208	Soil	0.7	28.3	16.5	63	<0.1	22.4	13.3	330	2.85	18.4	2.5	12.1	7	<0.1	1.7	0.2	22	0.04	0.018	39
1241209	Soil	0.7	22.4	23.9	54	<0.1	18.3	7.9	308	2.17	15.6	3.8	7.2	13	<0.1	1.2	0.2	28	0.10	0.023	22
1241210	Soil	0.8	32.0	89.9	67	0.2	24.9	9.4	338	2.41	18.3	5.0	8.5	11	0.1	2.6	0.2	29	0.06	0.018	21
1241211	Soil	0.8	17.3	27.3	91	<0.1	18.3	8.4	359	2.35	20.1	3.0	7.1	10	<0.1	1.9	0.2	26	0.09	0.040	21
1241212	Soil	1.0	22.9	17.9	56	<0.1	20.4	7.9	249	2.50	12.9	6.2	5.6	16	<0.1	1.0	0.2	47	0.11	0.016	18

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Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
1238783	Soil	23	0.46	170	0.032	<1	1.38	0.007	0.08	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<1	<0.2
1238784	Soil	23	0.43	105	0.028	<1	1.40	0.005	0.08	0.2	0.02	2.3	0.1	<0.05	4	<0.5	<1	<0.2
1238785	Soil	22	0.33	151	0.037	<1	1.30	0.006	0.07	0.4	0.02	2.2	0.1	<0.05	5	<0.5	1	<0.2
1238786	Soil	24	0.41	152	0.029	<1	1.36	0.006	0.07	0.2	0.03	3.4	0.2	<0.05	4	<0.5	<1	<0.2
1238787	Soil	29	0.49	184	0.032	<1	1.77	0.009	0.08	0.2	0.03	3.5	0.2	<0.05	4	<0.5	1	<0.2
1238788	Soil	20	0.36	247	0.016	<1	1.15	0.006	0.06	0.2	0.03	3.3	0.1	<0.05	4	<0.5	1	<0.2
1238789	Soil	18	0.37	215	0.020	<1	1.07	0.009	0.07	0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<1	<0.2
1238790	Soil	16	0.37	165	0.009	<1	1.10	0.009	0.07	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<1	<0.2
1238791	Soil	19	0.55	234	0.016	<1	1.12	0.006	0.06	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	2	<0.2
1238792	Soil	19	0.33	219	0.011	<1	1.27	0.010	0.08	0.1	0.02	2.1	0.1	<0.05	4	<0.5	1	<0.2
1238793	Soil	22	0.38	269	0.025	<1	1.20	0.007	0.06	0.2	0.03	3.6	0.1	<0.05	3	0.7	2	<0.2
1238794	Soil	11	0.26	166	0.005	<1	0.83	0.004	0.09	<0.1	0.02	1.6	0.1	<0.05	2	<0.5	<1	<0.2
1238795	Soil	20	0.34	206	0.018	<1	1.15	0.006	0.06	0.2	0.04	3.4	0.1	<0.05	3	<0.5	1	<0.2
1238796	Soil	18	0.34	145	0.024	<1	1.11	0.005	0.08	0.1	0.02	2.6	0.1	<0.05	3	<0.5	<1	<0.2
1238797	Soil	22	0.33	146	0.020	<1	1.43	0.005	0.06	0.1	0.02	2.6	0.1	<0.05	4	<0.5	<1	<0.2
1238798	Soil	17	0.30	150	0.019	<1	1.06	0.005	0.07	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	1	<0.2
1238799	Soil	22	0.41	135	0.020	<1	1.36	0.005	0.05	0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<1	<0.2
1238800	Soil	15	0.36	149	0.011	<1	1.14	0.004	0.08	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<1	<0.2
1241201	Soil	18	0.36	157	0.012	3	1.00	0.005	0.06	0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<1	<0.2
1241202	Soil	24	0.39	226	0.022	3	1.40	0.015	0.05	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<1	<0.2
1241203	Soil	18	0.26	95	0.027	2	0.85	0.003	0.04	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<1	<0.2
1241204	Soil	23	0.41	133	0.014	2	1.43	0.008	0.06	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<1	<0.2
1241205	Soil	27	0.39	187	0.039	3	1.48	0.007	0.07	0.2	0.05	4.3	0.1	<0.05	4	<0.5	<1	<0.2
1241206	Soil	14	0.24	86	0.010	2	0.93	0.005	0.09	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<1	<0.2
1241207	Soil	26	0.35	140	0.016	<1	1.51	0.008	0.06	0.2	0.02	2.3	0.1	<0.05	5	<0.5	<1	<0.2
1241208	Soil	20	0.46	184	0.014	1	1.41	0.004	0.05	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	2	<0.2
1241209	Soil	18	0.34	228	0.023	2	1.08	0.006	0.06	0.2	0.04	3.0	<0.1	<0.05	4	<0.5	3	<0.2
1241210	Soil	19	0.34	169	0.024	2	1.11	0.005	0.06	0.1	0.04	3.8	<0.1	<0.05	3	<0.5	2	<0.2
1241211	Soil	19	0.35	100	0.019	1	0.99	0.004	0.04	0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<1	<0.2
1241212	Soil	28	0.42	276	0.041	2	1.52	0.009	0.05	0.2	0.05	5.5	0.1	<0.05	4	<0.5	1	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1241213	Soil	0.7	17.8	34.4	68	0.1	15.6	6.9	266	2.30	18.2	2.0	8.2	10	0.2	1.9	0.2	26	0.07	0.022	27
1241214	Soil	0.8	17.7	22.2	66	<0.1	16.5	8.7	412	2.22	13.5	2.1	8.0	8	<0.1	1.2	0.2	27	0.06	0.026	20
1241215	Soil	0.5	21.6	28.5	68	<0.1	18.5	8.6	525	2.06	15.1	5.0	9.5	12	0.3	1.3	0.2	21	0.16	0.032	25
1239983	Soil	0.7	16.7	20.7	121	0.2	15.2	5.7	212	1.94	39.0	5.9	1.8	12	0.8	0.7	0.2	32	0.11	0.041	15
1239984	Soil	0.7	15.2	12.5	52	0.1	13.0	4.1	163	1.95	12.2	2.9	1.4	10	0.2	0.6	0.2	31	0.10	0.044	16
1239985	Soil	0.6	18.4	12.3	54	<0.1	14.0	5.0	196	1.96	16.0	12.3	2.3	12	0.2	0.5	0.2	30	0.12	0.045	16
1239986	Soil	0.6	24.4	10.6	67	0.2	18.7	6.7	239	1.98	16.2	11.9	4.4	14	0.6	0.6	0.2	31	0.14	0.053	22
1239987	Soil	0.8	20.9	9.0	53	<0.1	16.7	6.7	247	2.01	17.9	7.7	1.9	14	0.2	0.6	0.2	32	0.14	0.049	16
1239988	Soil	0.6	19.3	10.4	54	0.1	16.1	6.2	227	1.96	32.3	8.7	2.4	13	0.2	0.6	0.2	34	0.14	0.056	15
1239989	Soil	0.7	17.3	10.1	57	0.1	15.8	6.4	268	2.00	30.0	12.5	2.2	15	0.3	0.6	0.2	35	0.16	0.060	16
1239990	Soil	0.7	11.7	14.1	66	0.4	13.2	5.2	168	1.67	41.6	3.8	0.8	16	0.3	0.5	0.3	30	0.16	0.054	12
1239991	Soil	0.6	11.5	15.2	63	0.4	11.9	4.7	157	1.56	42.3	9.9	0.6	12	0.3	0.5	0.3	29	0.12	0.045	13
1239992	Soil	0.5	14.8	11.4	60	0.2	14.3	6.0	175	1.83	26.7	3.8	1.6	13	0.4	0.5	0.2	30	0.13	0.047	15
1239993	Soil	0.5	15.9	18.6	67	0.2	14.9	5.9	224	1.93	25.6	21.2	2.6	13	0.4	0.5	0.2	28	0.13	0.048	15
1239994	Soil	0.8	19.9	13.9	46	0.7	13.9	3.9	125	1.41	38.5	14.7	0.4	15	0.7	0.5	0.3	22	0.12	0.076	14
1239995	Soil	0.8	15.8	12.8	56	0.2	14.9	6.1	274	2.18	54.2	10.3	1.9	15	0.2	0.5	0.5	36	0.13	0.043	14
1239996	Soil	0.7	15.7	11.9	47	0.5	14.0	4.4	135	1.63	25.4	6.9	0.6	17	0.3	0.5	0.4	29	0.13	0.056	13
1239997	Soil	0.6	21.6	10.3	65	0.2	19.3	6.5	240	2.18	55.1	15.1	3.3	16	0.3	0.5	0.4	33	0.15	0.044	18
1239998	Soil	0.7	18.6	30.4	92	0.3	18.7	7.6	258	2.25	60.6	9.4	3.3	16	0.5	0.5	0.5	36	0.15	0.048	16
1239999	Soil	1.0	19.5	30.9	92	0.5	18.9	7.5	242	2.41	134.3	18.7	3.8	17	0.6	0.7	0.6	37	0.11	0.043	16
1240000	Soil	0.8	19.7	20.6	66	0.8	15.1	5.7	245	2.19	106.7	10.3	3.1	16	0.3	0.6	0.6	32	0.10	0.041	19
1240001	Soil	0.6	23.1	20.7	65	0.4	16.6	6.2	237	2.11	70.0	7.1	4.7	19	0.3	0.6	0.5	30	0.16	0.038	19
1240002	Soil	0.9	25.3	46.9	108	0.9	23.3	11.7	471	2.60	146.4	22.7	6.6	21	0.7	0.7	0.6	32	0.12	0.045	22
1240003	Soil	0.6	17.4	93.6	88	1.4	15.1	7.5	273	2.05	62.0	5.9	2.6	16	0.9	0.5	0.4	31	0.11	0.044	19
1240004	Soil	0.9	12.9	77.5	64	1.5	13.8	5.5	229	2.25	29.7	11.6	2.4	13	0.9	0.5	0.3	38	0.09	0.037	16
1240005	Soil	0.6	20.7	20.9	72	0.3	21.9	7.4	224	2.03	37.1	12.6	7.9	19	0.6	0.5	0.3	25	0.14	0.040	21
1240006	Soil	0.6	24.8	38.4	83	0.5	19.6	9.0	273	2.04	16.1	4.5	7.0	19	0.4	0.5	0.3	31	0.18	0.044	22
1240007	Soil	0.7	19.8	32.5	77	0.3	17.8	8.7	232	2.06	20.8	3.3	4.5	18	0.4	0.4	0.2	29	0.15	0.045	20
1240008	Soil	0.8	22.7	21.7	72	0.3	17.9	7.9	214	2.46	25.2	5.2	5.3	18	0.3	0.5	0.3	33	0.14	0.045	20
1240009	Soil	0.7	22.9	15.9	65	0.2	17.2	7.2	185	2.28	30.1	5.1	4.9	18	0.3	0.6	0.3	33	0.15	0.056	20

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

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

		Method	1DX15	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	Sn	Te
		Unit	ppm	%	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	1	0.2
1241213	Soil		18	0.31	138	0.014	2	1.09	0.005	0.04	0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<1	<0.2
1241214	Soil		19	0.37	122	0.018	2	1.12	0.005	0.06	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<1	<0.2
1241215	Soil		15	0.32	196	0.014	<1	0.85	0.004	0.06	<0.1	0.02	2.2	<0.1	<0.05	2	<0.5	<1	<0.2
1239983	Soil		20	0.35	104	0.023	<1	1.17	0.005	0.05	0.1	0.02	2.0	0.1	<0.05	4	<0.5	<1	<0.2
1239984	Soil		20	0.32	77	0.020	2	0.99	0.004	0.04	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<1	<0.2
1239985	Soil		19	0.36	93	0.026	2	0.99	0.006	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<1	<0.2
1239986	Soil		21	0.39	219	0.029	1	0.98	0.006	0.05	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<1	<0.2
1239987	Soil		21	0.34	174	0.024	<1	1.07	0.007	0.05	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<1	<0.2
1239988	Soil		20	0.35	138	0.026	<1	1.12	0.006	0.04	0.2	0.05	2.6	<0.1	<0.05	4	<0.5	<1	<0.2
1239989	Soil		21	0.38	162	0.028	<1	1.18	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<1	<0.2
1239990	Soil		20	0.34	145	0.018	1	1.07	0.006	0.05	0.3	0.05	1.9	0.1	<0.05	4	<0.5	<1	<0.2
1239991	Soil		19	0.32	114	0.017	1	1.03	0.006	0.04	0.2	0.05	1.2	0.1	<0.05	4	<0.5	<1	<0.2
1239992	Soil		21	0.35	133	0.020	1	1.08	0.005	0.04	0.2	0.04	2.1	<0.1	<0.05	4	<0.5	<1	<0.2
1239993	Soil		18	0.34	116	0.026	1	0.99	0.005	0.05	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<1	<0.2
1239994	Soil		16	0.24	164	0.009	2	0.98	0.006	0.06	0.6	0.09	1.1	0.1	<0.05	4	<0.5	2	<0.2
1239995	Soil		21	0.37	163	0.027	<1	1.31	0.005	0.07	1.0	0.04	2.1	0.1	<0.05	5	<0.5	2	<0.2
1239996	Soil		18	0.31	186	0.013	<1	1.11	0.006	0.05	0.2	0.06	1.5	<0.1	<0.05	4	<0.5	1	<0.2
1239997	Soil		23	0.46	191	0.025	2	1.31	0.007	0.05	0.2	0.04	3.0	0.1	<0.05	4	<0.5	2	<0.2
1239998	Soil		24	0.44	174	0.025	<1	1.56	0.007	0.06	0.5	0.04	2.7	0.1	<0.05	5	<0.5	1	<0.2
1239999	Soil		24	0.41	170	0.025	<1	1.51	0.007	0.06	0.3	0.04	2.5	0.1	<0.05	5	<0.5	5	<0.2
1240000	Soil		20	0.36	129	0.021	1	1.16	0.006	0.05	0.2	0.03	2.0	<0.1	<0.05	4	<0.5	<1	<0.2
1240001	Soil		21	0.42	189	0.028	<1	1.27	0.007	0.05	0.2	0.03	2.9	0.1	<0.05	4	<0.5	2	<0.2
1240002	Soil		21	0.45	144	0.025	3	1.47	0.008	0.07	0.3	0.02	2.7	0.1	<0.05	5	<0.5	2	<0.2
1240003	Soil		20	0.35	168	0.017	1	1.18	0.006	0.05	0.2	0.05	2.0	0.1	<0.05	4	<0.5	1	<0.2
1240004	Soil		21	0.32	85	0.025	1	1.05	0.004	0.04	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<1	<0.2
1240005	Soil		19	0.39	115	0.036	2	1.06	0.006	0.10	0.2	<0.01	2.0	0.1	<0.05	4	<0.5	1	<0.2
1240006	Soil		23	0.48	190	0.031	2	1.18	0.008	0.05	0.2	0.03	3.0	0.1	<0.05	4	<0.5	<1	<0.2
1240007	Soil		20	0.42	168	0.024	<1	1.16	0.007	0.05	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	<1	<0.2
1240008	Soil		22	0.44	179	0.026	<1	1.33	0.011	0.06	0.2	0.03	2.3	0.1	<0.05	5	<0.5	<1	<0.2
1240009	Soil		22	0.40	211	0.027	<1	1.24	0.007	0.05	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<1	<0.2

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

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

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
1240010	Soil	0.8	20.5	40.8	59	0.6	13.9	5.1	151	2.51	43.2	4.3	2.0	16	0.4	0.5	0.3	33	0.12	0.054	18
1240011	Soil	0.7	16.1	27.5	53	0.4	12.8	4.9	138	2.01	22.0	5.0	1.2	17	0.2	0.5	0.2	29	0.14	0.061	16
1240012	Soil	0.6	17.1	10.7	44	0.2	11.9	4.7	120	1.83	20.3	3.8	0.8	19	0.2	0.4	0.2	28	0.14	0.065	14
1240013	Soil	0.5	10.5	13.8	53	0.2	11.3	4.6	135	1.81	28.7	19.1	2.6	17	0.2	0.4	0.2	31	0.17	0.054	15
1240014	Soil	0.7	12.0	10.3	40	0.2	10.1	4.1	123	1.97	25.5	5.3	0.9	18	0.2	0.4	0.2	28	0.15	0.058	13
1240015	Soil	0.7	13.5	15.6	47	0.2	11.1	4.1	114	2.31	33.6	6.2	1.8	14	0.1	0.5	0.2	33	0.13	0.047	16
1240016	Soil	0.5	8.7	12.3	38	0.1	9.2	3.6	115	1.46	14.9	22.4	1.5	13	0.2	0.3	0.2	25	0.13	0.046	13
1240017	Soil	0.7	14.2	19.6	51	0.3	11.7	4.5	128	1.92	21.9	6.7	2.1	15	0.2	0.4	0.2	33	0.13	0.049	16
1240257	Soil	1.6	79.7	15.0	125	0.6	24.0	10.9	459	2.83	15.7	11.7	4.1	13	0.8	0.9	1.4	47	0.12	0.040	16
1240258	Soil	7.7	145.6	94.0	358	4.7	30.3	15.1	857	3.96	137.5	15.9	4.7	26	2.6	2.3	16.7	58	0.18	0.092	34
1240259	Soil	2.4	47.4	22.3	194	0.7	25.0	11.5	470	2.64	30.3	8.8	4.7	14	1.6	1.2	3.7	44	0.15	0.063	20
1240260	Soil	2.7	59.2	33.8	231	0.6	25.1	10.8	447	2.66	42.5	9.9	4.6	14	1.7	1.2	5.3	43	0.14	0.054	20
1240261	Soil	3.3	39.1	45.0	163	0.7	20.5	8.5	418	2.41	28.2	4.8	3.4	12	1.1	0.8	2.6	43	0.12	0.057	17
1240262	Soil	3.2	55.6	49.8	229	0.9	24.6	10.3	524	2.76	31.6	7.1	6.3	13	1.3	1.1	4.5	46	0.14	0.053	19
1240263	Soil	4.9	64.6	56.5	221	1.8	24.8	10.9	630	3.01	42.3	14.2	4.8	23	1.7	1.2	4.6	48	0.18	0.063	20
1240264	Soil	3.3	44.4	49.0	173	0.2	29.6	12.5	603	2.91	48.2	7.8	6.6	16	1.4	1.4	4.7	46	0.18	0.073	20
1240265	Soil	2.1	22.7	31.0	80	0.2	19.0	8.6	369	2.47	24.3	12.8	5.2	13	0.5	0.8	1.9	44	0.15	0.055	17
1240266	Soil	1.3	24.6	16.7	76	0.2	22.7	8.2	360	2.23	15.4	7.0	5.8	19	0.9	1.0	1.1	41	0.23	0.080	15
1240267	Soil	1.3	30.9	105.4	137	0.4	29.4	11.1	429	2.56	24.9	11.2	7.1	15	0.5	0.6	0.7	48	0.16	0.067	17
1240268	Soil	1.3	21.8	71.9	112	0.2	22.2	9.3	440	2.49	26.3	8.1	4.7	15	0.7	0.9	1.1	43	0.16	0.066	17
1240269	Soil	1.0	25.6	19.9	86	0.2	21.1	8.1	342	2.33	21.0	10.9	5.1	22	0.6	0.8	1.2	41	0.24	0.079	17
1240270	Soil	1.9	60.8	100.8	218	0.9	27.4	16.2	1026	3.07	24.5	9.3	3.5	39	1.2	1.3	2.3	49	0.35	0.092	21
1240271	Soil	2.3	54.0	91.0	204	0.3	29.7	15.1	987	3.19	23.6	10.1	4.1	39	0.9	0.7	1.0	54	0.28	0.080	25
1240272	Soil	1.1	46.9	38.6	187	0.3	27.6	10.7	639	2.90	14.3	20.1	5.5	52	1.1	0.7	1.1	51	0.42	0.076	18
1240273	Soil	1.3	18.5	60.0	92	0.2	16.9	7.4	296	2.61	13.5	3.8	1.5	17	0.3	0.7	0.6	54	0.15	0.058	14
1240274	Soil	1.0	12.8	52.4	68	0.1	12.2	5.3	235	2.06	14.2	3.1	0.9	13	0.5	0.5	0.3	41	0.11	0.066	13
1240275	Soil	1.4	18.1	200.1	123	0.4	19.7	9.5	534	2.48	19.0	7.5	3.0	16	1.1	0.7	0.5	43	0.18	0.070	15
1240276	Soil	3.5	34.4	75.0	118	0.8	20.6	10.7	408	2.73	53.5	18.4	1.4	21	1.0	0.6	0.6	51	0.22	0.082	13
1240277	Soil	1.4	22.8	331.7	274	4.3	22.8	9.5	1123	2.34	19.7	31.2	5.8	20	2.0	0.9	1.1	38	0.24	0.087	17
1240278	Soil	1.4	22.5	67.6	165	0.2	24.1	11.9	514	2.76	19.5	4.3	3.1	17	0.5	0.6	0.5	50	0.18	0.071	14

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Sn	Te
	Unit	ppm	%	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	1	0.2
1240010	Soil	21	0.36	186	0.015	<1	1.26	0.006	0.04	0.2	0.04	2.1	0.1	<0.05	4	<0.5	<1	<0.2
1240011	Soil	19	0.34	149	0.017	2	1.13	0.006	0.04	0.2	0.05	1.7	<0.1	<0.05	4	<0.5	<1	<0.2
1240012	Soil	17	0.31	203	0.015	<1	1.10	0.006	0.04	0.2	0.04	1.5	0.1	<0.05	4	0.5	<1	<0.2
1240013	Soil	18	0.37	127	0.024	<1	1.09	0.007	0.04	0.4	0.04	2.2	<0.1	<0.05	4	0.5	1	<0.2
1240014	Soil	17	0.30	153	0.017	<1	1.02	0.006	0.04	0.2	0.04	1.9	<0.1	<0.05	3	<0.5	<1	<0.2
1240015	Soil	18	0.33	132	0.020	1	1.17	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<1	<0.2
1240016	Soil	14	0.28	103	0.021	1	0.90	0.005	0.03	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	1	<0.2
1240017	Soil	19	0.35	142	0.020	2	1.29	0.006	0.04	0.2	0.05	2.2	<0.1	<0.05	4	0.6	<1	<0.2
1240257	Soil	26	0.41	125	0.060	2	1.42	0.007	0.11	4.8	0.05	3.0	0.3	<0.05	5	0.7	1	<0.2
1240258	Soil	40	0.55	187	0.030	<1	2.36	0.009	0.27	38.8	0.09	5.7	0.8	<0.05	8	0.8	4	<0.2
1240259	Soil	28	0.46	123	0.047	1	1.47	0.007	0.14	19.9	0.04	3.4	0.4	<0.05	5	<0.5	2	<0.2
1240260	Soil	28	0.44	128	0.047	<1	1.53	0.006	0.15	26.1	0.03	3.1	0.4	<0.05	6	<0.5	2	<0.2
1240261	Soil	26	0.41	118	0.046	<1	1.46	0.007	0.13	22.9	0.04	2.7	0.3	<0.05	5	<0.5	2	<0.2
1240262	Soil	30	0.47	126	0.053	1	1.69	0.006	0.13	41.4	0.04	3.5	0.4	<0.05	6	<0.5	2	<0.2
1240263	Soil	32	0.47	180	0.047	<1	1.72	0.008	0.15	42.3	0.05	3.8	0.4	<0.05	6	<0.5	3	<0.2
1240264	Soil	30	0.44	143	0.059	1	1.50	0.007	0.17	49.0	0.03	3.4	0.4	<0.05	6	<0.5	3	<0.2
1240265	Soil	26	0.35	94	0.055	<1	1.15	0.007	0.09	12.9	0.06	2.7	0.2	<0.05	4	<0.5	2	<0.2
1240266	Soil	23	0.42	148	0.055	2	1.10	0.008	0.10	10.3	0.04	2.9	0.2	<0.05	4	<0.5	1	<0.2
1240267	Soil	36	0.57	258	0.083	1	2.02	0.009	0.36	5.6	0.03	4.7	0.4	<0.05	7	<0.5	2	<0.2
1240268	Soil	26	0.40	131	0.050	<1	1.40	0.007	0.10	10.3	0.04	3.1	0.2	<0.05	4	<0.5	1	<0.2
1240269	Soil	24	0.38	160	0.049	<1	1.11	0.011	0.08	9.8	0.05	2.9	0.2	<0.05	4	<0.5	2	<0.2
1240270	Soil	34	0.53	259	0.036	1	2.23	0.017	0.10	7.2	0.09	4.7	0.4	<0.05	8	<0.5	3	<0.2
1240271	Soil	35	0.54	226	0.034	<1	2.31	0.016	0.08	3.6	0.07	4.7	0.2	<0.05	8	<0.5	3	<0.2
1240272	Soil	32	0.54	230	0.068	1	1.95	0.021	0.09	5.6	0.04	4.8	0.2	<0.05	6	<0.5	2	<0.2
1240273	Soil	28	0.45	130	0.036	1	1.64	0.008	0.06	2.7	0.04	2.8	0.2	<0.05	6	<0.5	2	<0.2
1240274	Soil	20	0.31	112	0.024	1	1.26	0.007	0.04	1.3	0.03	1.8	0.1	<0.05	5	<0.5	2	<0.2
1240275	Soil	25	0.37	175	0.031	<1	1.20	0.006	0.08	0.9	0.05	2.6	0.2	<0.05	4	<0.5	3	<0.2
1240276	Soil	26	0.36	213	0.028	1	1.41	0.008	0.07	0.5	0.08	2.5	0.2	<0.05	6	<0.5	2	<0.2
1240277	Soil	22	0.34	108	0.040	1	0.87	0.006	0.06	1.1	0.06	3.0	0.2	<0.05	3	<0.5	2	<0.2
1240278	Soil	27	0.45	157	0.044	1	1.78	0.009	0.06	0.4	0.05	3.1	0.2	<0.05	5	<0.5	1	<0.2

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

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

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
1240279	Soil	1.3	28.8	37.7	97	0.3	28.5	12.5	665	2.80	15.2	10.4	4.8	15	0.9	0.7	0.4	55	0.19	0.089	20
1240280	Soil	0.8	8.4	15.8	44	<0.1	10.8	5.3	200	2.36	10.1	15.0	2.7	9	0.2	0.4	0.2	51	0.10	0.043	13
1240281	Soil	1.9	38.1	96.9	115	0.5	29.2	14.9	857	2.91	20.1	5.7	3.2	19	1.0	0.7	0.4	56	0.22	0.095	19
1240282	Soil	1.0	26.9	21.7	82	0.2	25.5	10.1	415	2.47	11.6	14.7	4.3	12	0.6	0.6	0.2	49	0.17	0.066	17
1240283	Soil	1.0	26.5	38.4	115	0.3	25.9	12.4	543	2.68	14.9	12.7	4.2	12	0.7	0.6	0.2	52	0.15	0.065	18
1240191	Soil	1.4	20.1	52.0	91	0.3	21.0	7.3	262	2.72	18.5	8.4	3.5	9	0.5	0.7	0.4	56	0.08	0.030	16
1240192	Soil	0.7	18.8	14.6	60	<0.1	28.5	13.1	464	2.85	14.2	2.2	5.0	11	0.3	0.6	0.2	45	0.11	0.029	16
1240193	Soil	1.1	49.5	45.3	115	0.2	30.8	11.1	320	2.71	15.2	4.1	5.2	17	0.6	0.7	0.8	53	0.22	0.063	19
1240194	Soil	2.8	74.0	128.4	265	1.9	32.8	16.8	934	3.27	41.8	12.1	4.4	29	1.4	0.6	6.5	59	0.26	0.087	21
1240195	Soil	5.2	55.3	102.7	285	2.5	21.8	9.7	672	2.51	38.4	10.4	11.8	17	1.6	0.7	5.9	43	0.23	0.086	35
1240196	Soil	1.7	41.9	46.2	126	0.9	28.1	13.4	1206	3.10	27.0	5.4	5.0	14	0.7	0.6	2.3	57	0.16	0.084	22
1240197	Soil	1.0	11.0	70.6	126	1.4	6.3	2.0	121	0.99	6.0	<0.5	0.5	6	0.6	0.3	1.3	34	0.05	0.031	18
1240198	Soil	1.2	36.0	605.9	2481	2.5	9.4	6.9	2015	1.77	11.0	1.1	26.1	8	5.1	0.3	8.9	21	0.09	0.035	53
1240199	Soil	1.2	11.3	36.2	142	0.7	12.3	5.6	473	2.33	10.0	2.1	2.0	9	2.8	0.4	0.6	52	0.09	0.038	22
1240200	Soil	1.1	13.4	21.7	61	0.1	15.4	7.0	265	2.39	9.4	0.9	7.3	11	0.4	0.5	0.6	52	0.12	0.050	18
1240201	Soil	1.2	25.0	23.3	82	0.5	15.4	6.5	221	2.48	9.5	4.1	12.3	10	0.9	0.5	1.6	55	0.08	0.042	24
1240202	Soil	0.8	12.2	14.7	56	0.1	15.3	7.0	277	2.46	8.2	1.3	14.1	13	0.3	0.5	4.6	52	0.16	0.067	19
1240203	Soil	0.9	17.0	59.7	89	0.1	19.9	10.1	497	2.56	11.6	2.3	9.9	12	0.5	0.7	1.0	50	0.13	0.053	19
1240204	Soil	0.9	11.7	13.1	52	<0.1	15.3	7.2	288	2.60	9.7	1.1	7.9	10	0.2	0.5	0.5	47	0.10	0.039	16
1240205	Soil	0.7	45.2	18.0	98	0.1	15.0	8.1	680	2.57	9.6	2.4	13.6	8	0.9	0.4	1.7	37	0.09	0.039	24
1240206	Soil	1.1	23.1	13.5	55	0.2	18.3	8.5	244	2.47	10.2	1.6	4.3	13	0.5	0.7	0.3	52	0.14	0.040	14
1240207	Soil	0.9	13.1	17.6	53	0.1	13.5	5.3	232	2.16	9.2	1.8	3.2	10	0.4	0.5	1.0	43	0.10	0.039	17
1240208	Soil	0.6	15.0	14.1	62	0.3	14.9	4.5	167	1.90	8.6	<0.5	2.5	10	0.6	0.5	1.0	41	0.10	0.037	15
1240209	Soil	0.8	15.7	16.7	69	0.3	13.7	4.7	189	1.86	8.2	2.1	4.2	12	0.8	0.4	1.6	38	0.15	0.058	23
1240210	Soil	0.7	10.9	17.4	55	0.2	10.1	4.1	199	1.68	6.4	2.1	1.4	12	0.5	0.3	0.9	41	0.11	0.039	17
1240211	Soil	0.9	10.9	17.0	51	0.1	10.8	4.0	153	1.83	8.3	1.8	0.9	14	0.2	0.3	0.8	46	0.14	0.039	19
1240212	Soil	0.8	11.8	17.3	66	0.2	12.4	5.2	208	1.97	8.0	2.3	1.3	22	0.4	0.4	1.1	44	0.22	0.047	20
1240213	Soil	0.8	11.1	18.0	55	0.3	10.7	3.8	174	1.83	7.5	5.9	1.1	16	0.3	0.3	1.0	44	0.16	0.042	19
1240214	Soil	1.2	12.1	20.9	64	0.1	12.3	6.0	341	2.16	7.9	1.5	1.6	12	0.4	0.4	1.3	50	0.11	0.048	20
1240215	Soil	1.1	10.3	19.3	53	0.3	9.5	4.6	254	2.16	7.1	2.0	0.8	8	0.5	0.3	1.2	46	0.07	0.044	18

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Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
1240279	Soil	30	0.45	157	0.048	2	1.49	0.008	0.07	1.8	0.05	2.8	0.2	<0.05	5	<0.5	1	<0.2
1240280	Soil	24	0.31	74	0.035	<1	1.48	0.005	0.03	0.5	0.04	2.0	0.1	<0.05	5	<0.5	<1	<0.2
1240281	Soil	31	0.49	254	0.043	2	1.82	0.012	0.10	1.5	0.08	3.2	0.2	<0.05	6	<0.5	1	<0.2
1240282	Soil	28	0.45	128	0.053	<1	1.26	0.007	0.11	1.3	0.04	2.6	0.2	<0.05	4	<0.5	1	<0.2
1240283	Soil	30	0.43	139	0.047	1	1.22	0.007	0.09	1.1	0.06	2.5	0.2	<0.05	4	<0.5	3	<0.2
1240191	Soil	29	0.43	105	0.056	2	1.53	0.008	0.09	2.7	0.05	2.6	0.3	<0.05	6	<0.5	2	<0.2
1240192	Soil	28	0.54	160	0.060	2	1.50	0.009	0.08	0.4	0.04	3.2	0.2	<0.05	4	<0.5	1	<0.2
1240193	Soil	31	0.54	141	0.071	2	1.61	0.011	0.12	6.3	0.04	3.3	0.3	<0.05	5	<0.5	1	<0.2
1240194	Soil	40	0.60	213	0.057	2	2.20	0.025	0.13	44.2	0.05	4.2	0.4	<0.05	8	0.7	3	<0.2
1240195	Soil	27	0.46	155	0.026	<1	1.48	0.007	0.09	23.9	0.03	3.3	0.2	<0.05	5	0.8	3	<0.2
1240196	Soil	38	0.57	175	0.065	1	1.82	0.008	0.09	23.6	0.05	3.7	0.3	<0.05	5	0.5	1	<0.2
1240197	Soil	14	0.15	39	0.010	<1	0.79	0.005	0.03	1.2	0.05	0.5	0.3	<0.05	7	<0.5	2	<0.2
1240198	Soil	11	0.30	63	0.002	<1	1.99	0.004	0.05	5.0	0.05	2.0	0.2	<0.05	7	<0.5	3	<0.2
1240199	Soil	23	0.33	95	0.021	<1	1.42	0.007	0.04	0.6	0.05	1.7	0.2	<0.05	6	<0.5	1	<0.2
1240200	Soil	25	0.36	133	0.038	1	1.49	0.007	0.05	0.5	0.04	2.7	0.2	<0.05	6	<0.5	2	<0.2
1240201	Soil	24	0.31	114	0.039	<1	1.78	0.007	0.05	1.1	0.07	2.9	0.3	<0.05	7	<0.5	2	<0.2
1240202	Soil	22	0.38	122	0.065	1	1.51	0.008	0.09	1.9	0.04	2.9	0.3	<0.05	6	<0.5	2	<0.2
1240203	Soil	27	0.47	129	0.042	1	1.60	0.008	0.06	0.8	0.06	3.0	0.2	<0.05	5	<0.5	1	<0.2
1240204	Soil	22	0.40	78	0.056	1	1.42	0.007	0.08	0.5	0.06	2.3	0.3	<0.05	7	<0.5	3	<0.2
1240205	Soil	19	0.42	70	0.012	<1	1.67	0.005	0.05	3.2	0.03	2.2	0.2	<0.05	6	<0.5	2	<0.2
1240206	Soil	24	0.37	122	0.047	1	1.27	0.008	0.05	0.5	0.03	2.3	0.1	<0.05	5	<0.5	<1	<0.2
1240207	Soil	21	0.33	80	0.029	<1	1.11	0.005	0.04	1.8	0.02	1.6	0.1	<0.05	5	<0.5	1	<0.2
1240208	Soil	21	0.38	95	0.025	<1	1.11	0.006	0.05	2.0	0.03	1.7	0.1	<0.05	5	<0.5	1	<0.2
1240209	Soil	19	0.34	103	0.028	<1	1.06	0.005	0.06	1.8	0.02	1.9	0.2	<0.05	4	<0.5	2	<0.2
1240210	Soil	18	0.30	109	0.023	<1	1.10	0.006	0.05	0.8	0.02	1.5	0.2	<0.05	6	<0.5	1	<0.2
1240211	Soil	21	0.33	101	0.021	<1	1.13	0.006	0.05	0.7	0.02	1.1	0.2	<0.05	5	<0.5	4	<0.2
1240212	Soil	22	0.38	130	0.023	<1	1.29	0.007	0.06	1.0	0.02	1.3	0.2	<0.05	6	<0.5	2	<0.2
1240213	Soil	21	0.34	103	0.023	<1	1.18	0.007	0.06	1.1	0.04	1.0	0.2	<0.05	6	<0.5	3	<0.2
1240214	Soil	21	0.37	104	0.029	<1	1.36	0.006	0.06	1.1	0.02	1.4	0.3	<0.05	6	<0.5	1	<0.2
1240215	Soil	20	0.31	82	0.020	<1	1.17	0.006	0.05	1.0	0.04	1.0	0.2	<0.05	6	<0.5	2	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1240216	Soil	1.1	11.7	16.3	62	0.2	11.3	4.3	201	2.06	6.5	0.6	1.2	10	0.4	0.3	1.3	44	0.09	0.044	17
1240217	Soil	1.0	11.6	18.4	62	0.2	10.6	4.2	195	2.00	7.5	0.9	1.5	10	0.4	0.3	1.3	46	0.08	0.043	18
1240218	Soil	0.9	9.0	14.1	58	0.2	10.5	4.0	170	1.75	5.9	7.4	2.1	11	0.3	0.3	1.1	42	0.12	0.036	17
1240219	Soil	0.9	9.0	12.6	55	0.2	9.3	3.9	180	1.83	7.1	2.0	2.5	10	0.3	0.3	1.0	43	0.11	0.041	17
1240220	Soil	0.9	11.1	15.6	62	0.2	11.8	4.6	210	1.98	7.5	1.6	2.6	11	0.3	0.3	1.4	46	0.12	0.042	19
1240221	Soil	0.8	9.6	13.5	57	0.1	11.7	4.4	175	1.88	7.5	3.4	1.9	11	0.4	0.3	0.7	43	0.11	0.041	16
1240222	Soil	1.0	10.1	14.0	61	0.2	11.2	5.1	276	1.96	8.4	1.9	1.3	12	0.5	0.4	0.8	42	0.11	0.052	15
1240223	Soil	0.9	9.8	12.4	57	0.2	10.8	4.5	192	1.90	7.4	2.7	1.6	10	0.3	0.4	0.7	38	0.10	0.048	14
1240224	Soil	0.8	10.8	14.3	59	0.1	10.7	4.4	182	2.03	7.9	<0.5	2.2	10	0.3	0.4	1.0	40	0.11	0.048	14
1240225	Soil	0.9	12.0	15.7	63	0.2	11.4	4.7	189	2.08	8.6	<0.5	1.4	11	0.4	0.4	1.3	41	0.10	0.049	15
1240226	Soil	0.9	14.6	17.3	56	0.2	11.5	4.3	153	2.07	8.4	1.3	1.8	11	0.4	0.4	1.2	41	0.09	0.062	14
1240227	Soil	0.9	26.8	13.4	64	0.1	16.7	7.0	189	2.28	10.6	2.0	6.7	13	0.2	0.7	0.8	40	0.15	0.065	18

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

Project: LUG
Report Date: July 11, 2012

CERTIFICATE OF ANALYSIS DAW12000063.1

Method		1DX15	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	Sn	Te
Unit		ppm	%	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	1	0.2
1240216	Soil	20	0.35	86	0.027	<1	1.29	0.008	0.06	1.3	0.03	1.4	0.2	<0.05	6	<0.5	2	<0.2
1240217	Soil	19	0.35	81	0.027	<1	1.24	0.006	0.06	1.2	0.03	1.4	0.2	<0.05	6	<0.5	2	<0.2
1240218	Soil	19	0.35	92	0.031	<1	1.13	0.006	0.05	1.5	0.03	1.5	0.2	<0.05	6	<0.5	1	<0.2
1240219	Soil	18	0.32	84	0.033	<1	1.01	0.005	0.05	2.0	0.02	1.6	0.2	<0.05	5	<0.5	1	<0.2
1240220	Soil	21	0.36	101	0.033	<1	1.21	0.006	0.06	1.5	0.02	2.0	0.2	<0.05	6	<0.5	2	<0.2
1240221	Soil	20	0.36	87	0.029	<1	1.16	0.006	0.05	0.9	0.01	1.7	0.1	<0.05	5	<0.5	1	<0.2
1240222	Soil	18	0.32	108	0.024	2	1.12	0.005	0.06	1.4	0.04	1.6	0.2	<0.05	5	<0.5	2	<0.2
1240223	Soil	18	0.32	82	0.024	2	1.13	0.005	0.05	1.3	0.03	1.5	0.1	<0.05	5	<0.5	1	<0.2
1240224	Soil	18	0.32	88	0.027	<1	1.15	0.005	0.05	1.4	0.02	1.6	0.2	<0.05	5	<0.5	1	<0.2
1240225	Soil	20	0.33	101	0.022	1	1.29	0.005	0.06	1.2	0.03	1.5	0.2	<0.05	5	<0.5	2	<0.2
1240226	Soil	20	0.31	100	0.021	1	1.25	0.005	0.05	1.2	0.03	1.9	0.2	<0.05	5	<0.5	2	<0.2
1240227	Soil	22	0.37	129	0.034	1	1.26	0.005	0.05	1.0	0.04	3.1	0.1	<0.05	4	<0.5	1	<0.2

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Project: LUG
Report Date: July 11, 2012

QUALITY CONTROL REPORT DAW12000063.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1241032	Soil	0.8	9.6	9.1	45	0.3	11.5	4.2	132	1.72	36.9	6.4	0.7	13	0.2	0.4	0.5	32	0.11	0.055	12
REP 1241032	QC	0.8	9.6	9.4	45	0.3	11.1	4.4	135	1.77	36.9	8.1	0.6	13	0.1	0.4	0.5	31	0.11	0.053	12
1241044	Soil	0.6	13.8	9.9	52	0.2	12.8	5.5	194	1.97	27.2	5.0	3.3	16	0.2	0.4	0.4	31	0.17	0.051	16
REP 1241044	QC	0.6	14.4	9.5	53	0.1	13.4	5.5	198	1.99	28.2	26.2	3.4	17	0.2	0.4	0.3	32	0.18	0.054	17
1239823	Soil	1.2	9.9	8.1	37	<0.1	9.9	3.6	124	1.72	8.9	2.6	0.8	9	<0.1	0.4	0.3	36	0.09	0.038	13
REP 1239823	QC	1.2	10.3	8.3	37	<0.1	9.5	3.6	127	1.74	9.4	4.7	0.9	9	<0.1	0.4	0.3	37	0.08	0.038	13
1239835	Soil	0.8	13.2	31.0	77	<0.1	14.0	5.5	249	2.15	10.7	2.1	12.7	8	0.3	0.7	2.1	31	0.09	0.051	19
REP 1239835	QC	0.8	12.3	31.0	77	<0.1	13.7	5.4	245	2.03	10.6	3.0	12.7	9	0.3	0.6	2.0	31	0.09	0.050	19
1238786	Soil	0.7	25.5	10.7	51	<0.1	22.7	9.3	309	2.31	15.3	3.2	6.3	11	<0.1	0.8	0.3	35	0.07	0.016	17
REP 1238786	QC	0.7	25.5	11.0	52	<0.1	22.2	9.4	306	2.30	15.5	6.5	6.6	12	<0.1	0.7	0.3	36	0.08	0.017	18
1238798	Soil	0.7	17.1	13.9	74	<0.1	17.5	8.1	295	2.04	14.8	2.4	8.3	8	0.2	0.9	0.1	26	0.06	0.015	20
REP 1238798	QC	0.7	18.3	14.3	73	<0.1	18.1	8.2	285	2.05	15.3	2.5	8.4	8	0.1	0.9	0.1	27	0.05	0.014	20
1239989	Soil	0.7	17.3	10.1	57	0.1	15.8	6.4	268	2.00	30.0	12.5	2.2	15	0.3	0.6	0.2	35	0.16	0.060	16
REP 1239989	QC	0.6	16.9	9.7	56	0.2	15.7	6.3	267	2.05	30.6	7.0	2.1	15	0.3	0.6	0.2	32	0.16	0.058	16
1240001	Soil	0.6	23.1	20.7	65	0.4	16.6	6.2	237	2.11	70.0	7.1	4.7	19	0.3	0.6	0.5	30	0.16	0.038	19
REP 1240001	QC	0.7	21.3	20.9	61	0.4	16.4	5.9	228	2.03	70.1	16.1	4.6	19	0.3	0.5	0.5	31	0.16	0.038	19
1240264	Soil	3.3	44.4	49.0	173	0.2	29.6	12.5	603	2.91	48.2	7.8	6.6	16	1.4	1.4	4.7	46	0.18	0.073	20
REP 1240264	QC	3.1	43.0	51.5	166	0.2	27.9	12.2	578	2.85	47.6	5.2	6.9	16	1.7	1.3	4.6	46	0.19	0.073	20
1240276	Soil	3.5	34.4	75.0	118	0.8	20.6	10.7	408	2.73	53.5	18.4	1.4	21	1.0	0.6	0.6	51	0.22	0.082	13
REP 1240276	QC	3.3	32.5	70.9	115	0.8	19.4	10.4	385	2.66	51.0	9.2	1.3	21	1.0	0.6	0.6	50	0.21	0.084	13
1240207	Soil	0.9	13.1	17.6	53	0.1	13.5	5.3	232	2.16	9.2	1.8	3.2	10	0.4	0.5	1.0	43	0.10	0.039	17
REP 1240207	QC	0.9	12.5	17.6	54	0.1	12.4	5.3	242	2.15	9.4	26.9	3.2	10	0.3	0.5	1.0	43	0.10	0.039	17
1240219	Soil	0.9	9.0	12.6	55	0.2	9.3	3.9	180	1.83	7.1	2.0	2.5	10	0.3	0.3	1.0	43	0.11	0.041	17
REP 1240219	QC	0.8	9.4	13.6	58	0.2	10.5	4.2	185	1.83	7.4	1.0	2.7	11	0.3	0.4	1.1	43	0.12	0.042	18
Reference Materials																					
STD DS9	Standard	11.8	103.1	118.4	298	1.7	38.7	7.4	564	2.27	24.9	112.9	6.4	76	2.4	6.0	6.4	39	0.67	0.078	12
STD DS9	Standard	12.2	98.0	117.1	287	1.7	36.3	6.6	530	2.09	24.6	104.3	6.2	78	2.3	5.9	7.2	38	0.68	0.076	13
STD DS9	Standard	11.6	97.1	112.6	283	1.7	34.6	6.5	539	2.16	25.6	109.4	6.0	77	2.2	6.0	7.0	38	0.65	0.080	13

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Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: July 11, 2012

QUALITY CONTROL REPORT DAW12000063.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
Pulp Duplicates																		
1241032	Soil	17	0.29	139	0.011	1	0.95	0.005	0.03	0.3	0.05	1.3	<0.1	<0.05	4	<0.5	<1	<0.2
REP 1241032	QC	18	0.29	145	0.012	1	0.97	0.005	0.03	0.2	0.05	1.4	<0.1	<0.05	4	<0.5	<1	<0.2
1241044	Soil	20	0.42	185	0.035	<1	1.26	0.006	0.06	0.4	0.04	2.6	0.1	<0.05	4	<0.5	2	<0.2
REP 1241044	QC	20	0.43	188	0.035	<1	1.27	0.007	0.06	0.3	0.05	2.6	0.1	<0.05	5	<0.5	2	<0.2
1239823	Soil	19	0.30	79	0.028	1	1.11	0.005	0.05	0.2	0.04	1.5	0.2	<0.05	5	<0.5	1	<0.2
REP 1239823	QC	20	0.30	80	0.029	<1	1.13	0.005	0.05	0.2	0.03	1.5	0.2	<0.05	5	<0.5	1	<0.2
1239835	Soil	18	0.35	81	0.025	<1	1.19	0.005	0.06	3.3	0.02	2.4	0.2	<0.05	5	<0.5	2	<0.2
REP 1239835	QC	17	0.35	82	0.027	<1	1.19	0.005	0.07	3.3	0.02	2.5	0.3	<0.05	5	<0.5	2	<0.2
1238786	Soil	24	0.41	152	0.029	<1	1.36	0.006	0.07	0.2	0.03	3.4	0.2	<0.05	4	<0.5	<1	<0.2
REP 1238786	QC	24	0.42	155	0.029	<1	1.41	0.006	0.06	0.3	0.03	3.3	0.2	<0.05	4	<0.5	<1	<0.2
1238798	Soil	17	0.30	150	0.019	<1	1.06	0.005	0.07	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	1	<0.2
REP 1238798	QC	16	0.30	150	0.018	<1	1.05	0.005	0.06	0.1	0.03	2.0	0.1	<0.05	3	<0.5	1	<0.2
1239989	Soil	21	0.38	162	0.028	<1	1.18	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<1	<0.2
REP 1239989	QC	20	0.37	161	0.027	1	1.14	0.006	0.05	0.3	0.03	2.2	<0.1	<0.05	4	<0.5	1	<0.2
1240001	Soil	21	0.42	189	0.028	<1	1.27	0.007	0.05	0.2	0.03	2.9	0.1	<0.05	4	<0.5	2	<0.2
REP 1240001	QC	20	0.42	193	0.028	<1	1.25	0.007	0.05	0.2	0.04	2.8	0.1	<0.05	4	<0.5	1	<0.2
1240264	Soil	30	0.44	143	0.059	1	1.50	0.007	0.17	49.0	0.03	3.4	0.4	<0.05	6	<0.5	3	<0.2
REP 1240264	QC	28	0.45	148	0.056	<1	1.55	0.007	0.17	48.9	0.03	3.7	0.4	<0.05	6	<0.5	3	<0.2
1240276	Soil	26	0.36	213	0.028	1	1.41	0.008	0.07	0.5	0.08	2.5	0.2	<0.05	6	<0.5	2	<0.2
REP 1240276	QC	25	0.36	202	0.028	1	1.40	0.008	0.07	0.5	0.08	2.4	0.2	<0.05	6	<0.5	1	<0.2
1240207	Soil	21	0.33	80	0.029	<1	1.11	0.005	0.04	1.8	0.02	1.6	0.1	<0.05	5	<0.5	1	<0.2
REP 1240207	QC	21	0.32	78	0.030	<1	1.08	0.005	0.05	1.6	0.02	1.7	0.1	<0.05	5	<0.5	1	<0.2
1240219	Soil	18	0.32	84	0.033	<1	1.01	0.005	0.05	2.0	0.02	1.6	0.2	<0.05	5	<0.5	1	<0.2
REP 1240219	QC	19	0.34	86	0.036	<1	1.08	0.005	0.05	1.9	0.02	1.5	0.2	<0.05	5	<0.5	2	<0.2
Reference Materials																		
STD DS9	Standard	116	0.59	287	0.121	2	0.87	0.088	0.35	2.8	0.21	2.8	5.5	0.20	5	4.5	6	4.6
STD DS9	Standard	108	0.57	306	0.105	3	0.93	0.107	0.36	2.9	0.19	2.8	5.5	0.11	5	4.6	6	4.8
STD DS9	Standard	107	0.57	299	0.103	3	0.93	0.100	0.37	2.8	0.20	2.9	5.3	0.10	4	4.6	7	4.6

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Project: LUG
Report Date: July 11, 2012

QUALITY CONTROL REPORT DAW12000063.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
STD DS9	Standard	11.0	95.8	115.5	279	1.7	34.7	6.4	513	2.05	23.2	99.1	5.7	75	2.1	5.5	6.7	36	0.66	0.077	12
STD DS9	Standard	12.4	97.6	120.1	283	1.8	37.1	6.9	538	2.13	24.4	119.9	6.6	85	2.5	5.9	7.2	39	0.71	0.076	14
STD DS9	Standard	14.3	108.4	124.3	291	1.9	41.7	8.0	590	2.33	24.3	116.5	7.2	74	2.5	5.5	6.0	45	0.74	0.082	16
STD DS9	Standard	13.4	109.6	130.6	306	1.8	39.4	7.5	575	2.29	26.3	123.5	7.3	81	2.5	5.9	6.8	41	0.71	0.079	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
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	0.2	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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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: LUG
Report Date: July 11, 2012

QUALITY CONTROL REPORT DAW12000063.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Sn ppm 1	1DX15 Te ppm 0.2
STD DS9	Standard	103	0.55	290	0.100	2	0.87	0.102	0.35	2.9	0.20	2.7	5.1	0.11	4	6.0	6	5.2
STD DS9	Standard	113	0.60	324	0.114	3	0.97	0.106	0.39	2.9	0.17	3.1	5.4	0.06	5	4.8	7	5.0
STD DS9	Standard	126	0.64	314	0.125	3	0.99	0.113	0.38	2.7	0.23	2.8	5.6	0.15	5	5.9	7	5.3
STD DS9	Standard	118	0.62	293	0.106	2	1.00	0.103	0.38	2.9	0.23	3.0	5.5	0.13	5	5.3	7	5.1
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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<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	<1	<0.2

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

Appendix V: Silt Sample Assay Certificates

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

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Dawson City
Received: June 28, 2012
Report Date: July 13, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS DAW12000064.1

CLIENT JOB INFORMATION

Project: LUG
Shipment ID: LUG Soils+Silts 1
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	4	Dry at 60C			DAW
SS80	4	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	4	Saving all or part of Soil Reject			DAW
1DX2	4	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
GENERAL MANAGER

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

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

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

Project: LUG
Report Date: July 13, 2012

CERTIFICATE OF ANALYSIS DAW12000064.1

	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
1238435	Silt	0.5	26.5	17.4	76	0.5	17.6	7.6	249	1.81	29.1	12.2	1.2	17	0.6	0.3	1.4	30	0.23	0.050	15
1238436	Silt	1.4	33.5	17.9	87	0.6	18.6	11.1	457	1.84	27.1	13.8	1.2	26	1.2	0.3	2.8	31	0.31	0.053	14
1238437	Silt	0.6	28.1	13.5	109	0.7	20.6	8.4	430	1.81	45.7	8.6	1.6	23	1.5	0.3	1.8	21	0.35	0.049	14
1237201	Silt	0.3	7.4	12.3	51	0.2	13.8	5.6	221	1.71	34.4	8.7	1.6	17	0.3	0.2	0.2	20	0.22	0.047	11

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

Project: LUG
Report Date: July 13, 2012

CERTIFICATE OF ANALYSIS DAW12000064.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
1238435	Silt	20	0.33	139	0.014	1	1.18	0.004	0.05	0.5	0.03	1.6	0.1	<0.05	4	<0.5	<1	<0.2
1238436	Silt	20	0.29	168	0.013	1	1.28	0.005	0.04	1.6	0.04	1.7	0.2	<0.05	4	1.0	1	<0.2
1238437	Silt	16	0.31	115	0.015	<1	1.19	0.005	0.05	1.1	0.04	1.7	0.1	<0.05	4	0.7	<1	<0.2
1237201	Silt	14	0.29	150	0.015	<1	0.87	0.006	0.03	0.3	0.04	1.5	<0.1	<0.05	3	<0.5	<1	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: July 13, 2012

QUALITY CONTROL REPORT DAW12000064.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1238436	Silt	1.4	33.5	17.9	87	0.6	18.6	11.1	457	1.84	27.1	13.8	1.2	26	1.2	0.3	2.8	31	0.31	0.053	14
REP 1238436	QC	1.4	33.5	18.6	90	0.7	18.5	11.1	457	1.86	26.7	11.9	1.2	26	1.1	0.3	2.9	29	0.31	0.055	14
1238437	Silt	0.6	28.1	13.5	109	0.7	20.6	8.4	430	1.81	45.7	8.6	1.6	23	1.5	0.3	1.8	21	0.35	0.049	14
REP 1238437	QC	0.6	27.2	13.7	108	0.7	20.5	8.4	422	1.83	46.0	5.4	1.6	22	1.6	0.2	1.8	22	0.36	0.046	13
Reference Materials																					
STD DS9	Standard	15.0	120.3	126.9	354	1.9	44.1	7.5	608	2.47	23.2	118.0	6.0	75	2.1	4.9	5.8	40	0.76	0.080	13
STD DS9	Standard	13.1	108.6	118.0	295	1.8	43.4	7.8	593	2.34	23.9	128.9	6.3	67	2.3	5.2	6.1	42	0.70	0.079	13
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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: July 13, 2012

QUALITY CONTROL REPORT DAW12000064.1

	Method	1DX15	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	Sn	Te
	Unit	ppm	%	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	1	0.2
Pulp Duplicates																		
1238436	Silt	20	0.29	168	0.013	1	1.28	0.005	0.04	1.6	0.04	1.7	0.2	<0.05	4	1.0	1	<0.2
REP 1238436	QC	20	0.29	171	0.013	<1	1.25	0.005	0.04	1.6	0.04	1.6	0.2	<0.05	4	0.7	2	<0.2
1238437	Silt	16	0.31	115	0.015	<1	1.19	0.005	0.05	1.1	0.04	1.7	0.1	<0.05	4	0.7	<1	<0.2
REP 1238437	QC	17	0.31	114	0.015	<1	1.19	0.006	0.05	1.1	0.03	1.7	0.1	<0.05	4	0.7	1	<0.2
Reference Materials																		
STD DS9	Standard	135	0.66	310	0.124	2	1.01	0.095	0.41	3.1	0.21	2.6	5.8	0.18	5	5.6	6	5.4
STD DS9	Standard	126	0.62	283	0.111	2	0.91	0.076	0.34	3.0	0.20	2.4	5.5	0.25	5	5.1	6	4.9
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	<1	<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	<1	<0.2

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

Appendix VI: Rock Sample Assay Certificates

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

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: June 29, 2012
Report Date: July 09, 2012
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI12000186.1

CLIENT JOB INFORMATION

Project: LUG
Shipment ID: LUG RX1
P.O. Number
Number of Samples: 34

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	34	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	34	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	34	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

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

Project: LUG
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000186.1

	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
1205689	Rock	2.10	<2	1.3	142.4	6.6	329	0.3	19.7	24.4	409	3.37	2.4	2.3	7.4	232	0.2	<0.1	0.3	40	2.79
1205690	Rock	0.91	<2	0.2	279.6	2864	1201	1.5	32.9	12.2	997	3.87	6.2	<0.5	20.1	8	4.5	0.6	0.4	22	0.12
1205691	Rock	1.26	<2	0.2	8.2	5.0	79	<0.1	37.5	12.9	255	4.57	<0.5	1.5	14.3	6	0.1	<0.1	<0.1	54	0.05
1205692	Rock	0.71	<2	0.6	87.4	25.5	103	0.7	17.0	7.0	421	3.09	2.9	<0.5	15.7	119	1.0	<0.1	0.5	48	1.56
1205693	Rock	1.58	<2	0.4	20.7	21.4	48	0.1	10.4	4.0	221	2.08	2.8	<0.5	12.9	12	0.2	<0.1	<0.1	40	0.07
1205694	Rock	1.69	414	1.1	6.8	24.0	25	5.0	0.9	0.6	108	0.42	335.1	368.3	2.4	1	1.8	4.4	2.5	<2	0.01
1205695	Rock	1.21	<2	1.1	194.9	302.7	339	2.1	13.3	6.1	2037	4.71	31.6	<0.5	1.9	3	1.4	1.1	0.1	13	0.02
1205696	Rock	1.03	694	4.9	13.9	276.5	63	6.0	1.3	0.6	78	0.81	360.0	651.7	4.7	3	1.7	30.5	2.6	<2	<0.01
1205697	Rock	1.13	3	1.0	605.2	1972	530	>100	2.5	1.0	293	1.62	6.6	<0.5	2.5	1	3.3	10.0	251.1	9	0.02
1205698	Rock	0.67	9	2.5	167.2	253.5	200	4.6	1.4	0.6	94	2.48	120.8	9.3	4.6	<1	1.1	7.2	1.3	2	<0.01
1205699	Rock	0.67	<2	1.0	26.6	10.0	70	0.3	11.2	6.2	298	3.94	2.0	<0.5	20.8	12	<0.1	<0.1	1.4	36	<0.01
1240451	Rock	0.89	12	0.3	65.7	20.3	30	0.1	9.6	4.7	285	1.87	3.8	9.6	3.6	11	<0.1	0.1	4.4	10	0.03
1240452	Rock	0.62	<2	0.2	33.0	6.7	60	0.1	22.3	6.1	558	3.02	45.7	3.7	13.2	8	<0.1	<0.1	1.0	13	0.06
1240453	Rock	0.69	4	<0.1	11.6	4.0	18	<0.1	6.3	2.4	125	1.22	6.2	3.2	3.6	4	<0.1	<0.1	1.6	4	<0.01
1240454	Rock	0.74	7	0.1	183.6	5.1	51	0.3	13.6	14.6	751	2.98	4.3	5.4	12.7	44	0.2	<0.1	6.7	17	1.53
1240455	Rock	0.70	<2	<0.1	24.0	3.2	19	<0.1	23.3	6.6	179	1.78	18.8	2.0	9.4	91	<0.1	<0.1	1.3	29	0.92
1240456	Rock	0.50	<2	<0.1	9.0	1.3	4	<0.1	2.7	1.5	61	0.56	2.5	2.5	3.8	1	<0.1	<0.1	0.4	2	0.02
1240457	Rock	0.73	<2	<0.1	34.9	1.9	47	<0.1	21.4	6.9	227	2.23	12.7	1.8	9.8	6	<0.1	<0.1	0.3	13	0.04
1240458	Rock	1.00	6	<0.1	7.1	9.2	18	0.1	6.8	2.0	166	0.95	1.7	3.3	1.9	19	<0.1	<0.1	1.1	6	0.30
1240459	Rock	1.33	12	<0.1	21.3	3.8	37	<0.1	11.7	4.8	205	1.63	40.4	5.1	4.2	21	<0.1	<0.1	2.6	12	0.23
1205850	Rock	1.82	10	0.8	477.3	4.6	28	0.4	28.7	11.9	210	1.96	1.0	21.2	9.9	260	0.4	<0.1	0.3	16	5.27
1237551	Rock	1.10	<2	1.7	74.6	2.1	81	0.2	62.3	27.6	324	3.57	18.3	2.5	9.4	19	<0.1	<0.1	0.2	84	0.06
1237552	Rock	1.29	4	1.8	59.5	6.1	73	0.2	39.1	18.4	383	4.05	18.6	5.4	8.9	26	<0.1	<0.1	0.1	69	0.03
1237553	Rock	1.28	<2	0.6	24.4	2.3	74	<0.1	24.9	9.5	442	4.12	6.9	2.0	11.6	18	<0.1	<0.1	0.1	53	0.01
1237554	Rock	1.86	9	63.8	22.2	8.3	77	0.1	16.2	3.0	87	14.13	141.4	8.0	6.2	3	<0.1	27.4	<0.1	11	0.01
1237555	Rock	1.44	5	1.4	217.2	44.6	139	0.5	47.4	20.3	418	3.91	61.1	3.8	11.3	85	0.9	<0.1	0.3	64	1.31
1237556	Rock	2.18	2	5.7	1944	3.2	48	2.1	109.0	70.2	160	8.16	<0.5	4.3	10.2	156	0.6	<0.1	0.8	7	2.80
1205877	Rock	0.91	<2	0.1	12.6	5.0	162	<0.1	53.1	27.0	1739	5.81	0.7	<0.5	17.5	11	<0.1	<0.1	0.1	82	0.10
1205878	Rock	0.98	<2	0.5	11.7	1.5	28	0.2	2.4	1.4	204	0.45	3.0	<0.5	0.6	1	0.2	<0.1	0.5	<2	0.02
1205879	Rock	0.93	<2	0.2	11.2	2.5	43	<0.1	20.4	8.9	266	2.30	5.9	<0.5	11.4	5	<0.1	<0.1	<0.1	34	0.03

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

Project: LUG
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000186.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Sn	Te
		Unit	%	ppm	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	1	0.2
1205689	Rock		0.045	7	47	0.61	158	0.114	<20	5.14	0.272	0.50	0.3	<0.01	0.4	0.96	6.3	<0.5	14	3	<0.2
1205690	Rock		0.075	41	34	0.75	95	0.013	<20	2.01	0.004	0.21	1.9	<0.01	0.3	<0.05	1.8	<0.5	6	2	<0.2
1205691	Rock		0.019	18	55	0.83	297	0.291	<20	2.72	0.020	1.82	0.7	<0.01	2.0	<0.05	5.2	<0.5	8	1	<0.2
1205692	Rock		0.021	21	53	0.71	91	0.159	<20	3.39	0.232	0.45	13.9	<0.01	0.6	0.10	6.6	<0.5	14	3	<0.2
1205693	Rock		0.010	15	42	0.60	87	0.103	<20	1.40	0.036	0.49	0.2	<0.01	0.4	<0.05	5.5	<0.5	6	1	<0.2
1205694	Rock		0.004	5	11	<0.01	65	<0.001	<20	0.18	<0.001	0.06	2.3	<0.01	0.1	<0.05	0.2	<0.5	<1	4	0.7
1205695	Rock		0.024	6	18	0.35	141	0.005	<20	1.91	<0.001	0.04	14.8	<0.01	0.1	<0.05	1.7	<0.5	9	1	<0.2
1205696	Rock		0.009	12	12	<0.01	35	<0.001	<20	0.16	<0.001	0.08	16.3	<0.01	0.1	<0.05	0.4	<0.5	<1	<1	<0.2
1205697	Rock		0.009	4	10	0.04	31	0.003	<20	0.32	0.001	0.01	0.5	<0.01	<0.1	0.07	0.5	6.4	6	7	1.4
1205698	Rock		0.014	8	12	<0.01	13	<0.001	<20	0.15	<0.001	0.07	1.0	0.02	0.2	<0.05	0.3	0.6	1	2	<0.2
1205699	Rock		0.015	41	45	1.09	90	0.071	<20	2.26	0.010	0.49	<0.1	<0.01	0.6	<0.05	2.1	<0.5	7	<1	<0.2
1240451	Rock		0.019	7	18	0.34	41	0.002	<20	0.79	0.012	0.08	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	2	<1	0.3
1240452	Rock		0.036	11	20	0.71	46	0.005	<20	1.66	0.006	0.18	<0.1	<0.01	<0.1	<0.05	1.9	<0.5	5	<1	<0.2
1240453	Rock		0.009	7	11	0.20	23	0.001	<20	0.45	0.004	0.09	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	2	<1	<0.2
1240454	Rock		0.015	15	31	0.42	44	0.051	<20	1.34	0.050	0.05	0.4	<0.01	<0.1	<0.05	2.0	0.9	4	6	<0.2
1240455	Rock		0.016	13	37	0.72	69	0.050	<20	2.33	0.214	0.44	<0.1	<0.01	0.6	<0.05	4.4	<0.5	7	<1	<0.2
1240456	Rock		0.003	3	12	0.04	34	0.010	<20	0.15	0.005	0.10	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<1	<0.2
1240457	Rock		0.015	18	26	0.45	129	0.048	<20	1.45	0.014	0.59	<0.1	<0.01	0.5	<0.05	1.9	<0.5	4	<1	<0.2
1240458	Rock		0.077	5	16	0.30	10	0.003	<20	0.39	0.005	0.04	<0.1	<0.01	<0.1	<0.05	1.5	<0.5	1	<1	<0.2
1240459	Rock		0.020	6	26	0.36	65	0.036	<20	1.18	0.049	0.26	0.4	<0.01	0.3	<0.05	1.9	<0.5	4	1	<0.2
1205850	Rock		0.056	33	25	0.17	47	0.091	<20	7.88	0.256	0.07	5.8	<0.01	0.1	0.59	1.4	1.8	23	3	<0.2
1237551	Rock		0.010	22	64	0.72	227	0.209	<20	2.97	0.046	0.90	0.6	<0.01	0.7	0.28	11.8	<0.5	13	2	<0.2
1237552	Rock		0.017	24	56	0.88	291	0.221	<20	2.84	0.028	1.46	0.7	<0.01	1.1	0.06	11.5	<0.5	11	2	<0.2
1237553	Rock		0.017	26	57	1.00	270	0.111	<20	2.58	0.019	0.80	0.3	<0.01	0.9	<0.05	6.2	<0.5	8	<1	<0.2
1237554	Rock		0.040	14	9	0.02	26	0.001	<20	0.29	0.001	0.06	14.8	0.05	0.4	<0.05	3.5	<0.5	1	<1	<0.2
1237555	Rock		0.016	18	61	0.88	75	0.180	<20	3.74	0.233	0.56	1.6	<0.01	0.5	0.73	10.1	<0.5	12	1	<0.2
1237556	Rock		0.074	11	8	0.06	18	0.040	<20	3.92	0.101	0.01	84.3	<0.01	<0.1	4.45	1.0	25.3	15	2	0.5
1205877	Rock		0.069	22	70	1.24	325	0.420	<20	3.72	0.034	2.43	1.0	<0.01	3.4	<0.05	8.8	<0.5	12	10	<0.2
1205878	Rock		0.005	<1	10	0.02	10	0.001	<20	0.09	0.002	0.01	18.7	<0.01	0.2	<0.05	0.4	<0.5	<1	<1	<0.2
1205879	Rock		0.012	18	44	0.52	161	0.136	<20	1.40	0.022	0.70	0.4	<0.01	0.5	<0.05	4.1	<0.5	6	<1	<0.2

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Project: LUG
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000186.1

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
1205880	Rock	0.57	<2	0.6	4.5	6.9	197	<0.1	12.8	10.7	1434	5.58	1.2	<0.5	15.4	85	1.0	<0.1	0.6	17	2.75
1205881	Rock	0.89	11	<0.1	1.7	1.4	20	<0.1	1.7	0.9	1105	0.26	<0.5	10.4	4.8	441	0.8	<0.1	0.2	<2	18.35
1205882	Rock	0.96	<2	0.6	1.8	1.3	112	<0.1	6.1	4.8	926	2.41	2.6	1.1	6.5	100	1.0	0.1	4.1	4	2.92
1205883	Rock	0.93	<2	0.7	1.8	4.7	41	<0.1	9.2	2.8	230	1.10	1.5	1.2	8.6	14	0.4	<0.1	0.2	9	0.42

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CERTIFICATE OF ANALYSIS WHI12000186.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Sn	Te
	Unit	%	ppm	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	1	0.2
1205880	Rock	0.028	18	23	0.39	264	0.103	<20	4.22	0.198	0.21	54.6	<0.01	0.2	<0.05	3.8	<0.5	28	29	<0.2
1205881	Rock	0.050	8	4	0.03	28	0.027	<20	3.31	0.190	0.02	5.4	<0.01	<0.1	<0.05	0.6	<0.5	8	2	<0.2
1205882	Rock	0.028	10	6	0.14	135	0.034	<20	3.06	0.102	0.03	>100	<0.01	<0.1	<0.05	0.7	<0.5	12	7	<0.2
1205883	Rock	0.200	20	19	0.30	19	0.006	<20	0.55	0.009	0.06	0.3	<0.01	<0.1	<0.05	1.5	<0.5	2	<1	<0.2

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Project: LUG
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000186.1

	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																					
1205699	Rock	0.67	<2	1.0	26.6	10.0	70	0.3	11.2	6.2	298	3.94	2.0	<0.5	20.8	12	<0.1	<0.1	1.4	36	<0.01
REP 1205699	QC			1.1	25.7	9.8	69	0.3	11.2	6.0	293	3.92	1.4	<0.5	21.3	12	<0.1	<0.1	0.9	36	<0.01
1205878	Rock	0.98	<2	0.5	11.7	1.5	28	0.2	2.4	1.4	204	0.45	3.0	<0.5	0.6	1	0.2	<0.1	0.5	<2	0.02
REP 1205878	QC		9																		
Core Reject Duplicates																					
1205879	Rock	0.93	<2	0.2	11.2	2.5	43	<0.1	20.4	8.9	266	2.30	5.9	<0.5	11.4	5	<0.1	<0.1	<0.1	34	0.03
DUP 1205879	QC		<2	0.2	11.6	2.5	42	<0.1	20.8	8.9	262	2.29	5.7	0.5	11.0	5	<0.1	<0.1	<0.1	33	0.03
Reference Materials																					
STD DS9	Standard			12.3	110.7	132.0	314	2.0	38.7	7.5	569	2.27	25.8	105.8	6.3	74	2.3	5.0	6.0	39	0.68
STD DS9	Standard			13.4	104.9	119.2	305	1.7	42.1	8.2	576	2.30	25.8	106.5	6.0	65	2.3	3.8	5.7	38	0.71
STD OREAS45CA	Standard			1.0	491.5	22.0	57	0.3	240.6	90.3	921	14.57	4.3	56.6	8.1	17	0.1	0.1	0.2	212	0.42
STD OREAS45CA	Standard			0.9	508.9	19.8	60	0.3	246.6	93.6	979	15.94	4.2	44.6	7.0	15	<0.1	<0.1	0.1	221	0.47
STD OXC88	Standard		205																		
STD OXC88	Standard		194																		
STD OXC88	Standard		203																		
STD OXG99	Standard		922																		
STD OXG99	Standard		941																		
STD OXG99	Standard		922																		
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 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 OXC88 Expected			203																		
STD OXG99 Expected			932																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	0.2	0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01

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QUALITY CONTROL REPORT WHI12000186.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Sn	Te
		Unit	%	ppm	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	1	0.2
Pulp Duplicates																					
1205699	Rock		0.015	41	45	1.09	90	0.071	<20	2.26	0.010	0.49	<0.1	<0.01	0.6	<0.05	2.1	<0.5	7	<1	<0.2
REP 1205699	QC		0.015	42	44	1.09	90	0.072	<20	2.25	0.010	0.48	<0.1	<0.01	0.6	<0.05	2.0	<0.5	6	<1	<0.2
1205878	Rock		0.005	<1	10	0.02	10	0.001	<20	0.09	0.002	0.01	18.7	<0.01	0.2	<0.05	0.4	<0.5	<1	<1	<0.2
REP 1205878	QC																				
Core Reject Duplicates																					
1205879	Rock		0.012	18	44	0.52	161	0.136	<20	1.40	0.022	0.70	0.4	<0.01	0.5	<0.05	4.1	<0.5	6	<1	<0.2
DUP 1205879	QC		0.015	17	44	0.52	161	0.134	<20	1.38	0.021	0.70	0.4	<0.01	0.5	<0.05	4.2	<0.5	6	<1	<0.2
Reference Materials																					
STD DS9	Standard		0.081	11	118	0.61	320	0.109	<20	0.90	0.074	0.38	3.1	0.22	5.5	0.16	2.1	6.6	5	7	5.3
STD DS9	Standard		0.082	12	124	0.62	319	0.109	<20	0.95	0.084	0.40	2.7	0.20	5.8	0.16	2.2	5.3	5	6	4.8
STD OREAS45CA	Standard		0.039	16	619	0.15	164	0.142	<20	3.38	0.007	0.07	<0.1	0.03	<0.1	<0.05	44.4	<0.5	19	2	<0.2
STD OREAS45CA	Standard		0.042	15	743	0.16	172	0.129	<20	3.44	0.010	0.07	<0.1	0.04	0.1	<0.05	46.6	<0.5	19	2	<0.2
STD OXC88	Standard																				
STD OXC88	Standard																				
STD OXC88	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
STD OXG99	Standard																				
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 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 OXC88 Expected																					
STD OXG99 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<1	<0.2
BLK	Blank		<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<1	<0.2

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

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

Project: LUG
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000186.1

		WGHT Wgt kg 0.01	3B Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
G1-WHI	Prep Blank		<2	<0.1	2.5	2.8	43	<0.1	3.2	4.0	530	1.84	0.6	1.3	5.2	59	<0.1	<0.1	0.2	35	0.42
G1-WHI	Prep Blank		<2	<0.1	2.2	2.9	41	<0.1	2.1	3.6	519	1.84	<0.5	4.3	5.8	66	<0.1	<0.1	<0.1	35	0.44

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		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 Sn ppm 1	1DX Te ppm 0.2
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1-WHI	Prep Blank	0.086	8	9	0.56	209	0.135	<20	0.93	0.068	0.45	<0.1	<0.01	0.6	<0.05	2.0	<0.5	5	<1	<0.2
G1-WHI	Prep Blank	0.076	11	8	0.48	143	0.128	<20	0.86	0.076	0.44	<0.1	<0.01	0.4	<0.05	2.1	<0.5	5	<1	<0.2

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