ASSESSMENT REPORT

2011 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: July 26th, 2011 to August 7th, 2011

Claims filed for:

Group 1 - Dawson Mining District

Mining District	Claim Name	Grant Number	Map Sheet
Dawson	LUG375 - LUG377	YD96075 - YD96077	115P14
Dawson	LUG384 - LUG387	YD96084 - YD96087	115P14
Dawson	Lug396 - Lug400	YD96096 - YD96100	115P14
Dawson	Lug401	YD101501	115P14

Group 2 - Dawson Mining District

Mining District	Claim Name	Grant Number	Map Sheet
Dawson	Lug407	YD61627	115P14
Dawson	Lug408 - Lug424	YD101708 - YD101724	115P14
Dawson	Lug430 - Lug457	YD101730 - YD101757	115P14
Dawson	LUG459 - LUG463	YD101759 - YD101763	115P14
Dawson	LUG465	YD101765	115P14
Dawson	Lug467 - Lug471	YD101767 - YD101771	115P14
Dawson	Lug472	YD101782	115P14

Group 3 - Mayo Mining District

Mining District	Claim Name	Grant Number	Map Sheet
Mayo	Lug13 - Lug24	YD96213 - YD96224	115P15
Mayo	Lug33 - Lug48	YD96233 - YD96248	115P14
Mayo	Lug57 - Lug76	YD96257 - YD96276	115P14
Mayo	Lug85 - Lug258	YD96285 - YD96458	115P14, 11
Mayo	Lug261 - Lug300	YD96461 - YD96500	115P14, 11
Mayo	Lug301 - Lug372	YD96001 - YD96072	115P11
Mayo	Lug378 - Lug383	YD96078 - YD96083	115P14
Mayo	Lug390 - Lug395	YD96090 - YD96095	115P14
Mayo	Lug402 - Lug403	YD101502 - YD101503	115P14
Mayo	Lug404 - Lug406	YD61614 - YD61616	115P14
Mayo	Lug498 - Lug500	YD101798 - YD101800	115P15
Mayo	Lug501 - Lug503	YD101785 - YD101787	115P15
Mayo	Van26	YD101826	115P15
Mayo	Van28	YD101828	115P14
Mayo	Van32 - Van36	YD101832 - YD101836	115P15
Mayo	Van38	YD101838	115P14
Mayo	Van48 - Van49	YD101848 - YD101849	115P14
Mayo	Van112	YD101912	115P14
Mayo	Van179	YD101979	115P15
Mayo	Van239 - Van246	YD102039 - YD102046	115P11
Mayo	Van301 - Van312	YD102101 - YD102112	115P11
Mayo	Van330 - Van331	YD102130 - YD102131	115P11
Mayo	Van355 - Van360	YD102155 - YD102160	115P11
Mayo	Van362	YD102162	115P11
Mayo	Van364	YD102164	115P11
Mayo	Van366	YD102166	115P11
Mayo	Van375 - Van378	YD102175 - YD102178	115P11
Mayo	Van409 - Van416	YD102259 - YD102266	115P11
Mayo	Van437	YD102287	115P11
Mayo	Van439 - Van442	YD102289 - YD102292	115P11

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1.0 SUMMARY

A 12 day geochemical sampling program was conducted on the Lugdush Property from July 26th, 2011 to August 7th, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 488 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 1482 soil samples, 22 silt samples, and 76 rock samples were taken over the course of the program. Numerous gold anomalies were outlined across the property with associated arsenic values. Rock sampling yielded a 3 g/t Au sample as well as numerous other samples with high arsenic values and significant gold and base metal values.

The geological setting of the property is favourable to intrusive-related gold mineralization. Soil sampling and prospecting outlined at least two areas in which further work is recommended: the 'Contact Zone' and the VAN showing. Grid-style soil sampling, prospecting, and, pending results, trenching would help outline a source of the geochemical gold anomalies.

2.0 INTRODUCTION

This assessment report has been prepared at the request of Mr. Bruce Durham, president of Goldspike Exploration Inc. of Toronto, Ontario. The report describes the 2011 geochemical and prospecting program on the 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.

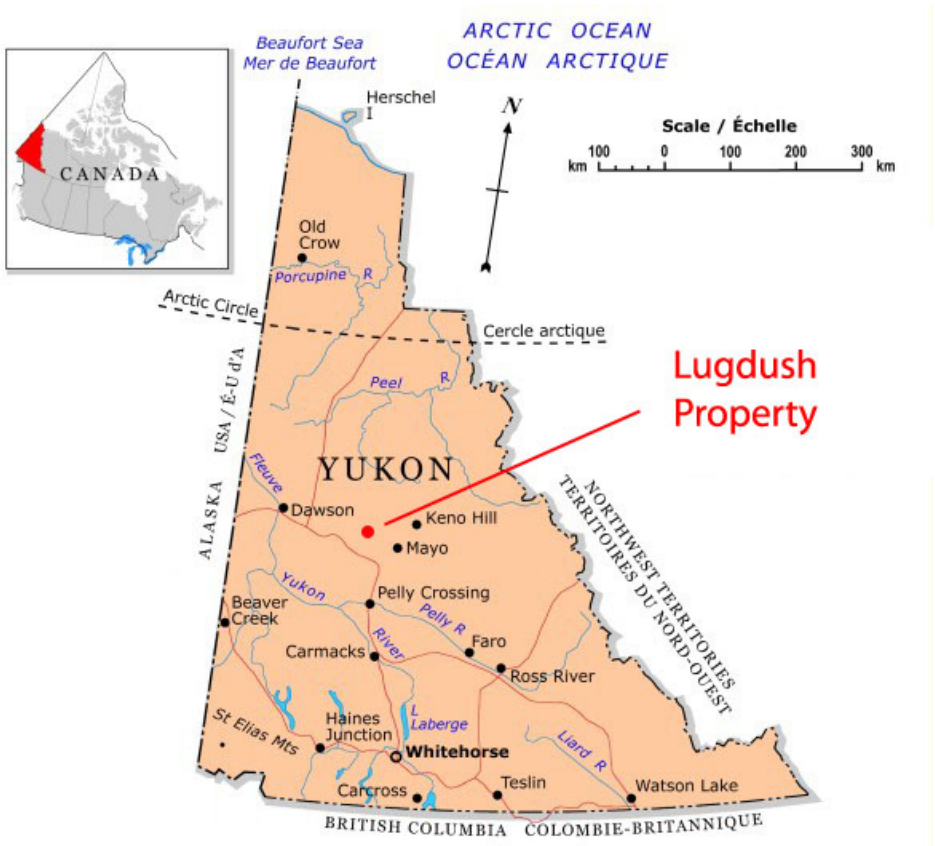

Figure 1: General location of the Lugdush Property (modified from NRCAN, 2006).

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 488 contiguous quartz claims in the Dawson and Mayo Mining Districts: 415 'Lug', 13 'LUG', and 60 'Van' 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 417 of the claims are located in the Mayo Mining District as one group. 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 #	Grant Number	District	Claim Owner	(%)	Status	Claim Expiry Date	NTS Map Number
Lug	13	YD96213	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	14	YD96214	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	15	YD96215	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	16	YD96216	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	17	YD96217	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	18	YD96218	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	19	YD96219	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	20	YD96220	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	21	YD96221	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	22	YD96222	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	23	YD96223	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	24	YD96224	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	33	YD96233	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	34	YD96234	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	35	YD96235	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	36	YD96236	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	37	YD96237	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	38	YD96238	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	39	YD96239	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	40	YD96240	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	41	YD96241	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	42	YD96242	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	43	YD96243	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	44	YD96244	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	45	YD96245	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	46	YD96246	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14

Lug	47	YD96247	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
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Lug	58	YD96258	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	59	YD96259	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	60	YD96260	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	61	YD96261	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	62	YD96262	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	63	YD96263	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	64	YD96264	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
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Lug	66	YD96266	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
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Lug	69	YD96269	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	70	YD96270	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	71	YD96271	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	72	YD96272	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	73	YD96273	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
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Lug	156	YD96356	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	158	YD96358	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	161	YD96361	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	162	YD96362	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	164	YD96364	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	165	YD96365	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	166	YD96366	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	167	YD96367	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	168	YD96368	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	169	YD96369	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	171	YD96371	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	172	YD96372	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	173	YD96373	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	174	YD96374	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	175	YD96375	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	176	YD96376	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	177	YD96377	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	178	YD96378	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	179	YD96379	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	180	YD96380	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	181	YD96381	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	182	YD96382	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	183	YD96383	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	184	YD96384	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	185	YD96385	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14

Lug	186	YD96386	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	187	YD96387	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	188	YD96388	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	189	YD96389	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	190	YD96390	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	191	YD96391	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	192	YD96392	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	193	YD96393	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	194	YD96394	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	195	YD96395	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	196	YD96396	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	197	YD96397	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	198	YD96398	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	199	YD96399	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	200	YD96400	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	201	YD96401	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	202	YD96402	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	203	YD96403	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	204	YD96404	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	205	YD96405	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	206	YD96406	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	207	YD96407	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	208	YD96408	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	209	YD96409	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	210	YD96410	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	211	YD96411	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	212	YD96412	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	213	YD96413	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	214	YD96414	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	215	YD96415	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	216	YD96416	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	217	YD96417	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	218	YD96418	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	219	YD96419	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	220	YD96420	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	221	YD96421	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	222	YD96422	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	223	YD96423	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	224	YD96424	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	225	YD96425	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	226	YD96426	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14

Lug	227	YD96427	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	228	YD96428	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	229	YD96429	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	230	YD96430	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	231	YD96431	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	232	YD96432	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	233	YD96433	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	234	YD96434	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	235	YD96435	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	236	YD96436	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	237	YD96437	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	238	YD96438	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	239	YD96439	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	240	YD96440	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	241	YD96441	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	242	YD96442	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	243	YD96443	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	244	YD96444	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	245	YD96445	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	246	YD96446	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	247	YD96447	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	248	YD96448	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	249	YD96449	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	250	YD96450	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	251	YD96451	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	252	YD96452	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	253	YD96453	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	254	YD96454	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	255	YD96455	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	256	YD96456	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	257	YD96457	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	258	YD96458	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	261	YD96461	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	262	YD96462	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	263	YD96463	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	264	YD96464	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	265	YD96465	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	266	YD96466	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	267	YD96467	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	268	YD96468	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	269	YD96469	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14

Lug	270	YD96470	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	271	YD96471	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	272	YD96472	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	273	YD96473	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	274	YD96474	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	275	YD96475	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	276	YD96476	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	277	YD96477	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	278	YD96478	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	279	YD96479	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	280	YD96480	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	281	YD96481	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	282	YD96482	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	283	YD96483	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	284	YD96484	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	285	YD96485	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	286	YD96486	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	287	YD96487	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	288	YD96488	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	289	YD96489	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	290	YD96490	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	291	YD96491	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	292	YD96492	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	293	YD96493	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	294	YD96494	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	296	YD96496	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	302	YD96002	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	303	YD96003	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	304	YD96004	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	305	YD96005	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	306	YD96006	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	307	YD96007	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	308	YD96008	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	309	YD96009	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	310	YD96010	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11

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Lug	312	YD96012	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	313	YD96013	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	314	YD96014	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	315	YD96015	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	316	YD96016	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	317	YD96017	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	318	YD96018	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	319	YD96019	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	320	YD96020	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	321	YD96021	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	322	YD96022	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	323	YD96023	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	324	YD96024	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	325	YD96025	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	326	YD96026	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	327	YD96027	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	328	YD96028	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	329	YD96029	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
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Lug	332	YD96032	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	333	YD96033	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	334	YD96034	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	335	YD96035	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	336	YD96036	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	337	YD96037	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	338	YD96038	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	339	YD96039	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	340	YD96040	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	341	YD96041	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	342	YD96042	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	343	YD96043	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	344	YD96044	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	345	YD96045	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	346	YD96046	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	347	YD96047	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	348	YD96048	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	349	YD96049	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	350	YD96050	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	351	YD96051	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11

Lug	352	YD96052	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	353	YD96053	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	354	YD96054	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	355	YD96055	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	356	YD96056	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	357	YD96057	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	358	YD96058	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	359	YD96059	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	360	YD96060	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	361	YD96061	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	362	YD96062	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	363	YD96063	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	364	YD96064	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	365	YD96065	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	366	YD96066	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	367	YD96067	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	368	YD96068	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	369	YD96069	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	370	YD96070	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	371	YD96071	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	372	YD96072	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P11
Lug	378	YD96078	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	379	YD96079	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	380	YD96080	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	381	YD96081	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	382	YD96082	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	383	YD96083	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	390	YD96090	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	391	YD96091	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	392	YD96092	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	393	YD96093	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	394	YD96094	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	395	YD96095	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	402	YD101502	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	403	YD101503	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	404	YD61614	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	405	YD61615	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	406	YD61616	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P14
Lug	498	YD101798	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	499	YD101799	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	500	YD101800	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15

Lug	501	YD101785	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	502	YD101786	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Lug	503	YD101787	Mayo	Goldspike Exploration Inc.	100	*Pending*	01/03/2014	115P15
Van	26	YD101826	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P15
Van	28	YD101828	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	32	YD101832	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P15
Van	33	YD101833	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P15
Van	34	YD101834	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	35	YD101835	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	36	YD101836	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	38	YD101838	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	48	YD101848	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	49	YD101849	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	112	YD101912	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P14
Van	179	YD101979	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P15
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Van	242	YD102042	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	243	YD102043	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
Van	244	YD102044	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
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Van	304	YD102104	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	305	YD102105	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
Van	306	YD102106	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
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Van	311	YD102111	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
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Van	331	YD102131	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
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Van	358	YD102158	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11

Van	359	YD102159	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
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Van	362	YD102162	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	364	YD102164	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	366	YD102166	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	375	YD102175	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	376	YD102176	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
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Van	378	YD102178	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	409	YD102259	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
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Van	412	YD102262	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	413	YD102263	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
Van	414	YD102264	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
Van	415	YD102265	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
Van	416	YD102266	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P10
Van	437	YD102287	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	439	YD102289	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	440	YD102290	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	441	YD102291	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
Van	442	YD102292	Mayo	Goldspike Exploration Inc.*	100	*Pending*	01/03/2014	115P11
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LUG	376	YD96076	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	377	YD96077	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	384	YD96084	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	385	YD96085	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	386	YD96086	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	387	YD96087	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	459	YD101759	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	460	YD101760	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	461	YD101761	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	462	YD101762	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	463	YD101763	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
LUG	465	YD101765	Dawson	Goldspike Exploration Inc.	100	Active	25/11/2011	115P14
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Lug	398	YD96098	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	399	YD96099	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	400	YD96100	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	401	YD101501	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14

Lug	407	YD61627	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
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Lug	410	YD101710	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	411	YD101711	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	412	YD101712	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	413	YD101713	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	414	YD101714	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
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Lug	418	YD101718	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	419	YD101719	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	420	YD101720	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	421	YD101721	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
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Lug	423	YD101723	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	424	YD101724	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	430	YD101730	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	431	YD101731	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	432	YD101732	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	433	YD101733	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	434	YD101734	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	435	YD101735	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	436	YD101736	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	437	YD101737	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	438	YD101738	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	439	YD101739	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	440	YD101740	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	441	YD101741	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	442	YD101772	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	443	YD101773	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	444	YD101774	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
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Lug	446	YD101776	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	447	YD101777	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	448	YD101778	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	449	YD101779	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	450	YD101780	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	451	YD101751	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	452	YD101752	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14

Lug	453	YD101753	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	454	YD101754	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	455	YD101755	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	456	YD101756	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	457	YD101757	Dawson	Goldspike Exploration Inc.	100	Active	16/11/2011	115P14
Lug	467	YD101767	Dawson	Goldspike Exploration Inc.	100	*Pending*	06/12/2011	115P14
Lug	468	YD101768	Dawson	Goldspike Exploration Inc.	100	*Pending*	06/12/2011	115P14
Lug	469	YD101769	Dawson	Goldspike Exploration Inc.	100	*Pending*	06/12/2011	115P14
Lug	470	YD101770	Dawson	Goldspike Exploration Inc.	100	*Pending*	06/12/2011	115P14
Lug	471	YD101771	Dawson	Goldspike Exploration Inc.	100	*Pending*	06/12/2011	115P14
Lug	472	YD101782	Dawson	Goldspike Exploration Inc.	100	*Pending*	06/12/2011	115P14

*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

- Lug claims
- LUG claims
- Van claims
- Mining district boundary
- Yukon quartz claims

1:30,000

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

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

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.

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 work program 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

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

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A 12 day geochemical sampling program was conducted on the Lugdush Property from July 26th, 2011 to August 7th, 2011. Working out of a camp, a crew of 6 soil samplers, 2 prospectors and one geologist collected 1482 soil samples, 22 silt samples, and 76 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

Soil Samples

The 1482 soil samples collected on the property yielded numerous gold and arsenic anomalies (Figures 5 and 6). The Contact Zone (E400000, N7074700) where Hyland Group metasediments and Vancouver Creek granites outcrop shows 4 samples over 25 ppb Au as well as weak arsenic anomalies.

The south Clear Creek area also has 3 samples over 50 ppb Au, 2 of which are 150m apart.

The headwaters of Vancouver Creek's left fork show numerous gold anomalies. To the west are 3 samples within 150m at 57.5 ppb, 14.4 ppb and 41.1 ppb Au. To the east is an anomalous line with 64.7 ppb and 87.2 ppb Au samples 50 m apart and numerous samples running 25-50 ppb Au along the sampling line to the north. Arsenic is concordantly anomalous.

The West Block (E393000, N7072200) has a group of 3 Au-As anomalous samples between 20 and 40 ppb Au.

The highest gold value the soil samples yielded is 145.5 ppb Au and was recovered at the very south end of the property. It is not anomalous in any other elements and is not part of an anomalous trend.

As expected, many samples displayed anomalous tungsten (Figure 7). Values tend to be elevated at the contacts of the Vancouver Creek Stock and the metasediments (up to 19.6 ppm W). One other sampled area in the north block, adjacent to Clear Creek, shows consistent elevated values.

Soil sample results can be found in Appendix IV.

Silt Samples

Twenty-two silt samples were taken from the property. One sample, 1220710, yielded 24.1 ppb Au and was also slightly anomalous in tungsten (13.9 ppm). This was taken from the headwaters of a tributary of Vancouver Creek on the east side of the property. Sample 1222106 from a north tributary of Vancouver Creek had notable results: anomalous copper (43 ppm), lead (48.8 ppm), zinc (619 ppm), and arsenic (150.6 ppm). Two silt samples in Clear Creek yielded anomalous tungsten values (35 and 31.5 ppm). Silt sample results can be found in Appendix V.

Rock Samples

Seventy-six rock samples were taking from the property. The majority were of sedimentary origin, although the numerous intrusive units were also sampled. Few samples returned favourable results. One sample, 1204340, taken from the east end headwaters of Vancouver Creek, near the VAN showing, yielded just over 3 g/t Au and 2164 ppm As (Figure 8). This boulder appeared to be of intrusive origin, displaying recrystallized quartz vein textures, silicification, heavy oxidation, and disseminated pyrite (Photo 2). The area is mapped as the southeast corner of the Vancouver Creek Stock. This sample, as well as samples in the immediate area also yielded anomalous lead values (up to 814 ppm Pb).

Sample 1221819 assayed 663.2 ppb Au and overlimits for As (>10000 ppm). This sample is a boulder and like 1204340 also near the contact between the Vancouver Creek Stock granites and Hyland Group metasediments. It is difficult to tell if the sample is silicified metasediments or contact intrusive; however is it very oxidized and has minor disseminated pyrite.

Eight hundred meters north of 1221819, sample 1221810 yielded anomalous base metal values: 1589 ppm Cu, 191 ppm Ni, and 96 ppm Co. This boulder sample is an altered metasediment, well oxidized with visible chalcopyrite blebs.

Samples 1222154 and 1222155 were taken from a peak 1.5 km south of Clear Creek (Photo 3). Outcrops and boulder runoff were observed to metasedimentary rocks with quartz vein stockwork. The samples contained minor pyrite and arsenopyrite mineralization, which assayed high for arsenic (up to 3403 ppm As) with notable gold results (up to 86 ppb Au).

Lugdush Property

Fig. 4: Sample Location Map

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts

Legend

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

N

1:30,000

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

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Lugdush Property

Fig. 5: Soil Geochemisty - Gold

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

Soil samples

Au (ppb)

- 0.5 - 10.0
- 10.1 - 25.0
- 25.1 - 50.0
- 50.1 - 100.0
- 100.1 - 145.5
- Lugdush Property
- Mining district boundary

Regional stream geochem

Au (ppb)

- 0.0 - 15.0
- 15.1 - 74.0
- 74.1 - 215.0
- 215.1 - 482.0
- 482.1 - 1170.0

1:30,000

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

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Dawson Mining District

Mayo Mining District

Barney Pup
Left Clear Creek
Clear Creek
Vancouver Creek
Thoroughfare Creek
West Ridge
Right Hook Creek

388000 390000 392000 394000 396000 398000 400000 402000 404000 406000

7078000 7076000 7074000 7072000 7070000 7068000 7066000 7064000

Lugdush Property

Fig. 6: Soil Geochemisty - Arsenic

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

Soil samples

As (ppm)

- 1.4 - 20.0
- 20.1 - 50.0
- 50.1 - 100.0
- 100.1 - 200.0
- 200.1 - 379.3

Lugdush Property

Mining district boundary

N

1:30,000

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

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Lugdush Property

Fig. 7: Soil Geochemisty - Tungsten

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

Soil samples

W (ppm)

- 0.1 - 1.0
- 1.1 - 2.5
- 2.6 - 6.0
- 6.1 - 12.0
- 12.1 - 19.6

Lugdush Property

Mining district boundary

N

1:30,000

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

Meters

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Lugdush Property

Fig. 8: Rock and Silt Sample Results

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

Legend

- Rock samples (Au ppb / As ppm)
- Silt samples (Au ppb / As ppm)
- Lugdush Property
- Mining district boundary

N

1:30,000

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

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

Photo 2: Rock sample 1204340, from the margin of the Vancouver Creek Stock, assayed 3 g/t Au, 2164 ppm As.

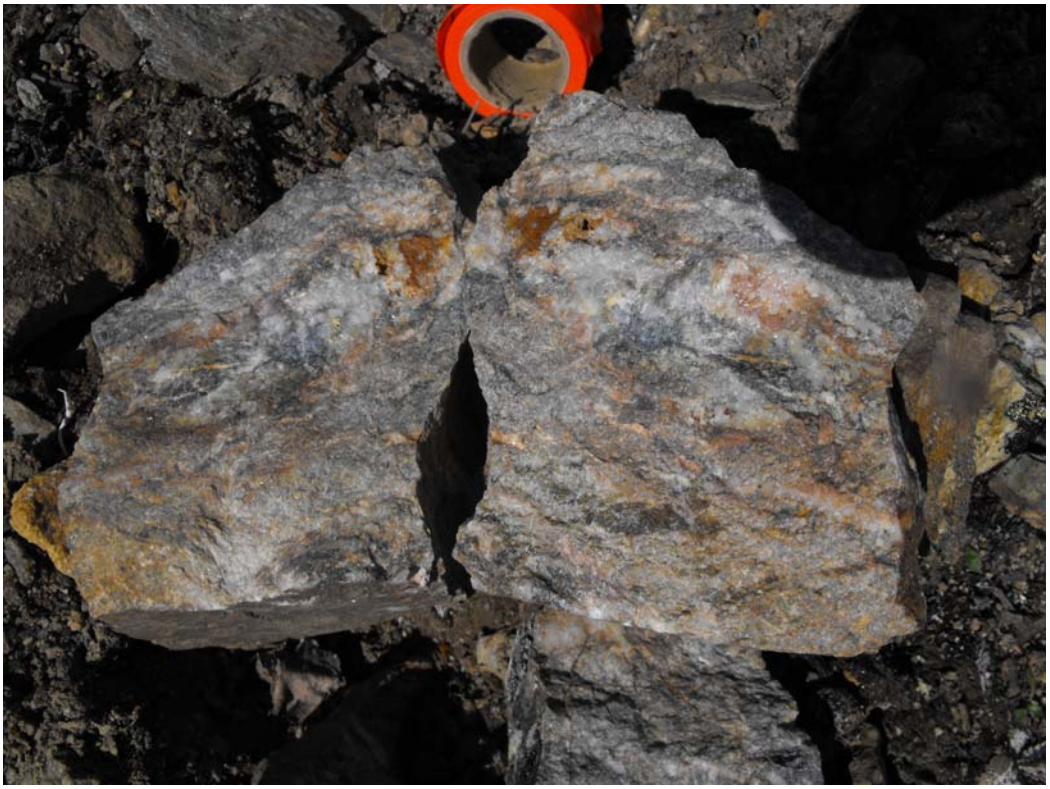


Photo 3: Rock sample 1222154, a metasediment with arsenopyrite mineralization, assayed 86.2 ppb Au, 1527 ppm As.

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 'Contact Zone' in the northeast of the property shows significant gold and arsenic values which merits further work. Grid-style soil sampling is recommended for this area using tighter sample spacings. This will help define the source(s) of the anomalies. This area has relatively good outcrop exposure and may benefit from further prospecting and, pending results, a trenching operation with a CanDig machine.

The south contact of the Vancouver Creek Stock (near the VAN showing) yielded a 3 g/t Au rock sample. This sample was taken from a scree slope and requires follow-up prospecting to determine the origin of the rock.

If funding permits grid soil sampling around the high, isolated gold anomalies is recommended.

REFERENCES

Bremner, T. (2010): Summary of Lugdush 445 Lug Claims (Applications Pending) 115P11, 14, 15, Mayo and Dawson Mining Districts, for YC Syndicate and Goldspike Exploration Inc.

Allen, T.L., Hart, C.J.R. and Marsh, E.E. (1999): Placer gold and associated heavy minerals of the Clear Creek drainage, central Yukon: Past to present. *In:* Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emonds (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 197-214.

Murphy, D. and Heon, D. (1994): Geology and Mineral Occurrences of Sprague Creek Map Area (115P/15), Western Selwyn Basin. In: Yukon Exploration and Geology 1993. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 29-46.

Murphy, D. (1996): Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (115P/14, 15, 16; 105M/13, 14. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6, 122 p.

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

Stephens, J.R., Oliver, N.H.S., Baker, T. and Hart, C.J.R., (2000): Structural evolution and controls on gold mineralization at Clear Creek, Yukon. *In:* Yukon Exploration and Geology 1999, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 151-163.

Stephens, J.R. and Weekes, S., (2001): Intrusive-breccia-hosted gold mineralization associated with ca. 92 Ma Tombstone Plutonic Suite magmatism: An example from the Bear Paw breccia zone, Clear Creek, Tintina gold belt, Yukon. *In:* Yukon Exploration and Geology 2000, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 347-353.

Yukon Minfile 115P009 (1998): LUGDUSH, Yukon Geological Survey.

STATEMENT OF EXPENDITURES

Dawson Mining District claims

EXPLORATION COSTS ASSOCIATED WITH THE LUGDUSH PROPERTY BETWEEN JULY 26th and AUG 7th 2011	GROUP-1 (13 claims)			GROUP-2 (58 claims)		
ITEM	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**
Hughes 500D Helicopter + Fuel /Hr	$ 1,182.00	1	$ 1,182.00	$ 1,182.00	3.6	$ 4,255.20
ROCK ASSAY	$ 28.88	4	$ 115.52	$ 28.88		$ -
SOIL ASSAY	$ 18.00	12	$ 216.00	$ 18.00	184	$ 3,312.00
SILT ASSAY	$ 18.00		$ -	$ 18.00	7	$ 126.00
Project Geologist / Day	$ 500.00	1	$ 500.00	$ 500.00	2	$ 1,000.00
6 x Soil Samplers = 300 x 6 /day	$ 1,800.00	1	$ 1,800.00	$ 1,800.00	2	$ 3,600.00
Cook	$ 400.00	1	$ 400.00	$ 400.00	2	$ 800.00
2 x Prospector 1 x 350 / day	$ 350.00	1	$ 350.00	$ 350.00	2	$ 700.00
Hotel and Accommodation /$ 129.00 / night (Pilot and Geologist-Dawson)	$ 129.00	2	$ 258.00	$ 129.00	4	$ 516.00
Hotel and Accommodation /$ 129.00 mob and de-mob nights 8 x 3 nights	$ 129.00	2	$ 258.00	$ 129.00	4	$ 516.00
Camp Rental / day	$ 1,000.00	1	$ 1,000.00	$ 1,000.00	2	$ 2,000.00
Food $35/meal avg.	$ 1,050.00	1	$ 1,050.00	$ 1,050.00	2	$ 2,100.00
Truck Rental = $140 x 2	$ 280.00		$ -	$ 280.00	2	$ 560.00
2 x ATV rental $75 each per day from Druid Exploration	$ 150.00		$ -	$ 150.00	2	$ 300.00
Fuel - Automobile, ATV, Generator and Heating + Propane	$ 300.00		$ -	$ 300.00	2	$ 600.00
Maps and drafting	$ 100.00		$ -	$ 100.00	2	$ 200.00
Report preparation	$ -		$ -	$ 500.00	1	$ 500.00
Satellite internet and satellite telephone rental	$ 125.00		$ -	$ 125.00	2	$ 250.00
Mobile office equipment rental from Druid Exploration - (Laptop,Printer,Software + Surge protector)	$ 65.00		$ -	$ 65.00	2	$ 130.00
25% of Mobilization - 4 crew + two trucks - Camp building and fuel transport x three days	$ 1,000.00		$ -	$ 1,000.00		$ -
25% of De-mobilization - 4 crew + two trucks - Camp tear down and gear transport x three days	$ 1,000.00		$ -	$ 1,000.00		$ -
		TOTAL	**$ 7,129.52**			**$ 21,465.20**

Mayo Mining District claims

EXPLORATION COSTS ASSOCIATED WITH THE LUGDUSH PROPERTY BETWEEN JULY 26th and AUG 7th 2011	Group-3 (417 claims: 357 LUG claims + 60 Van claims)		
ITEM	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**
Hughes 500D Helicopter + Fuel /Hr	$ 1,182.00	25.9	$ 30,613.80
ROCK ASSAY	$ 28.88	72	$ 2,079.36
SOIL ASSAY	$ 18.00	1286	$ 23,148.00
SILT ASSAY	$ 18.00	15	$ 270.00
Project Geologist / Day	$ 500.00	9	$ 4,500.00
6 x Soil Samplers = 300 x 6 /day	$ 1,800.00	9	$ 16,200.00
Cook	$ 400.00	9	$ 3,600.00
2 x Prospector 1 x 350 / day	$ 350.00	9	$ 3,150.00
Hotel and Accommodation /$ 129.00 / night (Pilot and Geologist-Dawson)	$ 129.00	4	$ 516.00
Hotel and Accommodation /$ 129.00 mob and de-mob nights 8 x 3 nights	$ 129.00	18	$ 2,322.00
Camp Rental / day	$ 1,000.00	9	$ 9,000.00
Food $35/meal avg.	$ 1,050.00	9	$ 9,450.00
Truck Rental = $140 x 2	$ 280.00	10	$ 2,800.00
2 x ATV rental $75 each per day from Druid Exploration	$ 150.00	10	$ 1,500.00
Fuel - Automobile, ATV, Generator and Heating + Propane	$ 300.00	10	$ 3,000.00
Maps and drafting	$ 100.00	10	$ 1,000.00
Report preparation	$ 1,000.00	1	$ 1,000.00
Satellite internet and satellite telephone rental	$ 125.00	10	$ 1,250.00
Mobile office equipment rental from Druid Exploration - (Laptop,Printer,Software + Surge protector)	$ 65.00	10	$ 650.00
25% of Mobilization - 4 crew + two trucks - Camp building and fuel transport x three days	$ 1,000.00	1	$ 1,000.00
25% of De-Mobilization - 4 crew + two trucks - Camp tear down and gear transport x three days	$ 1,000.00	1	$ 1,000.00
			$ 118,049.16

CERTIFICATE OF QUALIFICATIONS

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

1. I am a graduate of Lakehead University, 2008, and a hold an H. B.Sc. Geology degree.

2. I am an independent geological consultant.

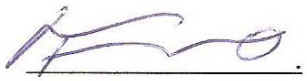
3. I am a member of the Ontario Prospectors Association (2010).

4. I have been employed as a geological assistant for the Ontario Geological Survey and the Geological Survey of Canada during the summers of, respectively, 2006 and 2007.

5. I have been working in the mineral exploration industry since 2008 for Pacific North West Capital Corporation, East West Resources Corporation, Rainy Mountain Royalty Corporation, Black Panther Mining Corporation, White Tiger Mining Corporation, Trillium North Minerals Ltd., and Goldspike Exploration Inc.

6. This report was prepared by myself.

7. I have no personal knowledge from the date of this certificate of any material fact or change not reflected in this report.



Date: Mar 1, 2012

Daniel Ferraro, H.B.Sc.

Appendix I: Soil Sample Descriptions

Soil Sample Descriptions

UTM NAD83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1203436	403166	7070787	1426	26-Jul-11	20	c	light brown						100	talus	moist	alpine	mid slope
1203437	403130	7070833	1423	26-Jul-11	0	a	black	100						talus	dry	alpine	mid slope
1203438	403095	7070864	1417	26-Jul-11	20	c	light brown						100	weathered bedrock	moist	alpine	mid slope
1203439	403066	7070906	1409	26-Jul-11	30	c	dark brown						100	weathered bedrock	moist	alpine	mid slope
1203440	403038	7070948	1400	26-Jul-11	40	c	light brown						100	weathered bedrock	moist	alpine	mid slope
1203441	403006	7070982	1387	26-Jul-11	40	c	light brown						100	weathered bedrock	moist	alpine	mid slope
1203442	402971	7071023	1368	26-Jul-11	20	a/b	dark brown	30					70	weathered bedrock	moist	alpine	mid slope
1203443	402940	7071061	1353	26-Jul-11	40	c	light brown						100	weathered bedrock	moist	alpine	mid slope
1203444	402910	7071097	1334	26-Jul-11	20	c	light brown						100	weathered bedrock	moist	buck brush	mid slope
1203445	402879	7071135	1319	26-Jul-11	10	c	light brown						100	weathered bedrock	moist	buck brush	mid slope
1203446	402848	7071168	1306	26-Jul-11	20	a/b	dark brown	30					70	weathered bedrock	moist	buck brush	mid slope
1203447	402815	7071214	1294	26-Jul-11	20	b/c	light brown						100	weathered bedrock	moist	buck brush	mid slope
1203448	402782	7071254	1281	26-Jul-11	20	c	light brown						100	weathered bedrock	moist	buck brush	mid slope
1203449	402756	7071294	1272	26-Jul-11	30	b/c	light brown	30					70	weathered bedrock	moist	evergreen forest	mid slope
1203450	402712	7071320	1264	26-Jul-11	20	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1205454	395680	7069059	1087	7-Aug-11	60-70	c	light brown	10	5				85	weathered bedrock	wet	evergreen forest	mid slope
1205455	395727	7069036	1077	7-Aug-11	40-50	c	lt grey	10	5				85	weathered bedrock	moist	evergreen forest	mid slope
1205456	395775	7069020	1065	7-Aug-11	60-70	c	light brown	15					85	weathered bedrock	moist	evergreen forest	mid slope
1205457	395822	7068997	1054	7-Aug-11	40-50	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1205458	395862	7068966	1043	7-Aug-11	40-50	c	dk brown	15					85	weathered bedrock	moist	evergreen forest	mid slope
1205459	395909	7068948	1033	7-Aug-11	60-70	c	lt grey	10	5				85	weathered bedrock	wet	evergreen forest	mid slope
1205460	395954	7068927	1022	7-Aug-11	40-50	c	lt grey	5	10				85	weathered bedrock	wet	evergreen forest	mid slope
1205461	395998	7068898	1012	7-Aug-11	40-50	c	dk grey	10	5				85	weathered bedrock	moist	evergreen forest	mid slope
1205462	396053	7068875	1003	7-Aug-11	40-50	c	lt grey	10	20				70	weathered bedrock	moist	evergreen forest	mid slope
1205463	396096	7068865	1003	7-Aug-11	50-60	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1205464	396136	7068846	996	7-Aug-11	40-50	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1205465	396181	7068825	990	7-Aug-11	30-40	c	light brown	5	5				90	weathered bedrock	moist	evergreen forest	mid slope
1205466	396233	7068798	981	7-Aug-11	30-40	c	light brown	5					95	weathered bedrock	moist	evergreen forest	mid slope
1205467	396271	7068781	967	7-Aug-11	30-40	c	light brown	5					95	weathered bedrock	moist	evergreen forest	mid slope
1205468	396362	7068731	924	7-Aug-11	20-30	c	light brown	10	15				75	weathered bedrock	moist	evergreen forest	valley bottom
1205469	396394	7068716	910	7-Aug-11	30-40	c	light brown	10	30				60	weathered bedrock	moist	evergreen forest	valley bottom
1220713	402529	7070864	1267	27-Jul-11	10		orange										
1220714	402532	7070875	1262	27-Jul-11													
1220906	402229	7070820	1292	26-Jul-11	25	c	light brown				60		40	talus	moist	alpine	ridge top
1220907	402190	7070848	1286	26-Jul-11	30	c	light brown		10		20	10	60	talus	moist	buck brush	ridge top
1220908	402141	7070870	1280	26-Jul-11	25	c	light brown		10		10	10	70	talus	moist	buck brush	ridge top
1220909	402101	7070896	1274	26-Jul-11	45	c	light grey		10		30		60	talus	moist	buck brush	ridge top
1220910	402060	7070919	1268	26-Jul-11	50	c	light brown		10		30		60	talus	moist	buck brush	ridge top
1220911	402014	7070950	1260	26-Jul-11	50	c	light brown		20		30	30	20	talus	moist	evergreen forest	ridge top
1220912	401964	7070971	1251	26-Jul-11	30	c	light brown		10		50		40	talus	moist	evergreen forest	ridge top
1220913	401928	7070998	1242	26-Jul-11	30	c	light brown				40	10	50	talus	moist	evergreen forest	ridge top
1220914	401894	7071033	1231	26-Jul-11	50	c	dark brown				50		50	weathered bedrock	moist	evergreen forest	ridge top
1220915	401846	7071056	1222	26-Jul-11	60	c	dark grey		10		40		50	weathered bedrock	moist	evergreen forest	ridge top
1220916	401799	7071079	1213	26-Jul-11	50	c	dark brown				30	30	40	weathered bedrock	moist	evergreen forest	ridge top
1220917	401753	7071113	1203	26-Jul-11	50	c	dark grey				10	20	70	weathered bedrock	wet	evergreen forest	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1220918	401718	7071129	1197	26-Jul-11	50	c	dark brown				70	10	20	weathered bedrock	wet	evergreen forest	ridge top
1220919	401675	7071155	1190	26-Jul-11	55	c	dark brown				60	20	20	weathered bedrock	wet	evergreen forest	ridge top
1220920	401622	7071184	1180	26-Jul-11	45	c	dark brown				20	60	20	weathered bedrock	wet	evergreen forest	ridge top
1220921	401575	7071208	1170	26-Jul-11	40	c	light brown		10		10	20	60	weathered bedrock	wet	evergreen forest	ridge top
1220922	401538	7071231	1164	26-Jul-11	30	c	dark brown				30	30	40	weathered bedrock	wet	evergreen forest	ridge top
1220923	401491	7071245	1158	26-Jul-11	5	b/c	dark brown	20	10		30		40	talus	moist	evergreen forest	ridge top
1220924	401437	7071263	1150	26-Jul-11	35	c	light brown		10		20	20	50	talus	moist	evergreen forest	ridge top
1220925	401398	7071269	1145	26-Jul-11	30	c	light brown		10		10	20	60	talus	moist	evergreen forest	ridge top
1220926	401349	7071284	1137	26-Jul-11	50	c	light brown				20	30	50	talus	moist	evergreen forest	ridge top
1220927	401300	7071300	1129	26-Jul-11	50	c	light brown		10		20	10	60	talus	moist	evergreen forest	ridge top
1220928	401256	7071316	1122	26-Jul-11	25	c	light grey				20	20	60	weathered bedrock	moist	evergreen forest	ridge top
1220929	401204	7071333	1113	26-Jul-11	30	c	light brown				50	10	40	talus	moist	evergreen forest	ridge top
1220930	401160	7071354	1105	26-Jul-11	50	c	dark brown				10	20	70	weathered bedrock	moist	evergreen forest	ridge top
1220931	401110	7071362	1098	26-Jul-11	50	c	light brown				50	10	40	weathered bedrock	moist	evergreen forest	ridge top
1220932	401063	7071380	1090	26-Jul-11	40	c	light brown				20	20	60	weathered bedrock	moist	evergreen forest	ridge top
1220933	401020	7071398	1083	26-Jul-11	40	c	dark brown		10		40	10	40	weathered bedrock	moist	evergreen forest	ridge top
1220934	400964	7071425	1073	26-Jul-11	40	c	dark brown		10		30	20	40	weathered bedrock	moist	buck brush	ridge top
1220935	400927	7071435	1067	26-Jul-11	50	c	dark brown				10	40	50	weathered bedrock	moist	buck brush	ridge top
1220936	400875	7071447	1058	26-Jul-11	45	c	dark grey		10		30	20	40	weathered bedrock	moist	evergreen forest	ridge top
1220937	400814	7071456	1046	26-Jul-11	65	c	dark brown		10	20	20	20	30	weathered bedrock	moist	buck brush	ridge top
1220938	400777	7071456	1036	26-Jul-11	50	c	dark brown		10		20	30	40	weathered bedrock	moist	buck brush	mid slope
1220939	400727	7071465	1034	26-Jul-11	45	c	dark brown		20		10	10	60	weathered bedrock	moist	buck brush	mid slope
1220940	400678	7071461	1029	26-Jul-11	45	c	light brown		20		20	30	30	weathered bedrock	moist	buck brush	mid slope
1220941	400633	7071475	1023	26-Jul-11	40	c	light brown				60	10	30	weathered bedrock	moist	evergreen forest	mid slope
1220942	400581	7071473	1021	26-Jul-11	50	c	light brown		10		30	30	30	weathered bedrock	moist	buck brush	mid slope
1220943	400526	7071477	1011	26-Jul-11	40	c	dark grey				10	20	70	weathered bedrock	frozen	evergreen forest	mid slope
1220944	400480	7071483	1009	26-Jul-11	45	c	light brown				60	10	30	weathered bedrock	moist	evergreen forest	ridge top
1220945	400424	7071492	1002	26-Jul-11	35	c	light brown		10		20	10	60	weathered bedrock	moist	buck brush	ridge top
1220946	400383	7071499	985	26-Jul-11	80	c	dark brown		20		20	30	30	weathered bedrock	moist	buck brush	mid slope
1220947	400330	7071503	975	26-Jul-11	35	c	light brown		20		20	20	40	weathered bedrock	moist	evergreen forest	mid slope
1220948	400280	7071507	967	26-Jul-11	55	c	light brown		10		30	20	40	weathered bedrock	moist	evergreen forest	mid slope
1220949	400228	7071511	956	26-Jul-11	80	c	dark brown		10		30	30	30	weathered bedrock	saturated	buck brush	mid slope
1220950	400182	7071524	937	26-Jul-11	60	c	light brown		20		20	20	40	weathered bedrock	moist	buck brush	mid slope
1220951	400127	7071531	920	26-Jul-11	80	c	light brown		20		30	10	40	talus	moist	buck brush	mid slope
1220952	400086	7071530	906	26-Jul-11	35	c	dark brown		20		20	10	50	talus	moist	buck brush	mid slope
1220953	397847	7075028	1314	27-Jul-11	25	c	Dark Brown		30		20		50	Talus	Moist	Alpine	Ridge Top
1220954	397894	7075037	1312	27-Jul-11	20	b/c	Light Grey		10			30	60	Talus	Moist	Alpine	Ridge Top
1220955	397942	7075044	1308	27-Jul-11	30	c	Light Brown		10		30	20	40	Talus	Moist	Alpine	Ridge Top
1220956	397992	7075056	1296	27-Jul-11	30	c	Dark Brown		10		10	20	60	Talus	Moist	Alpine	Ridge Top
1220957	398041	7075063	1294	27-Jul-11	50	c	Light Brown		10		20	20	50	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220958	398090	7075075	1294	27-Jul-11	45	c	Light Brown		10		30	20	40	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220959	398140	7075083	1297	27-Jul-11	50	c	Light Brown		10		10	10	70	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220960	398191	7075088	1301	27-Jul-11	50	c	Light Brown		20		20	30	30	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220961	398236	7075090	1304	27-Jul-11	40	c	Light Brown		20		20	10	50	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220962	398287	7075092	1308	27-Jul-11	45	c	Light Brown		10		20	10	60	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220963	398335	7075091	1308	27-Jul-11	45	c	Light Brown		20		10	10	60	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220964	398384	7075093	1308	27-Jul-11	50	c	Light Brown		10		30		60	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220965	398436	7075090	1309	27-Jul-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220966	398497	7075100	1308	27-Jul-11													
1220967	398544	7075062	1301	27-Jul-11	40	c	Light Brown		20		10	10	60	Weathered Bedrock	Moist	Buck Brush	Ridge Top

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1220968	398571	7075014	1293	27-Jul-11	30	c	Light Grey		50		10	10	30	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220969	398615	7074984	1287	27-Jul-11	35	c	Light Brown		10		40		50	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1220970	398661	7074957	1280	27-Jul-11	30	c	Light Brown		50		10	10	30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220971	398692	7074930	1276	27-Jul-11	40	c	Light Brown		10		40	20	30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220972	398734	7074896	1270	27-Jul-11	40	c	Light Brown		30		20		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220973	398772	7074865	1265	27-Jul-11	50	c	Light Brown		20		20	20	40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220974	398807	7074851	1260	27-Jul-11	30	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220975	398869	7074836	1261	27-Jul-11	25	c	Light Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220976	398916	7074818	1258	27-Jul-11	50	c	Dark Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220977	398948	7074792	1253	27-Jul-11	50	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220978	399004	7074794	1255	27-Jul-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220979	399057	7074782	1258	27-Jul-11	50	c	Light Brown		20		10	10	60	Weathered Bedrock	artially Froze	Evergreen Forest	Mid Slope
1220980	399097	7074770	1260	27-Jul-11	60	c	Dark Grey		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220981	399153	7074773	1268	27-Jul-11	60	c	Dark Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220982	399196	7074766	1274	27-Jul-11	70	c	Dark Brown		20			10	70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220983	399247	7074762	1283	27-Jul-11	45	c	Dark Brown		10		30		60	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1220984	399309	7074769	1295	27-Jul-11	50	c	Light Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220985	399358	7074755	1303	27-Jul-11	50	c	Dark Brown		20		30	10	40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220986	399402	7074749	1312	27-Jul-11	50	c	Light Brown		20		10	20	50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220987	399456	7074734	1321	27-Jul-11	40	c	Light Brown		10		20	30	40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220988	399502	7074742	1330	27-Jul-11	25	c	Light Brown		30		30	10	30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220989	399565	7074747	1344	27-Jul-11	20	b/c	Dark Grey	10	20			20	50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220990	399599	7074726	1352	27-Jul-11	30	c	Dark Brown	10	20		20	20	30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1220991	399646	7074714	1359	27-Jul-11	40	c	Light Brown		20		10	30	40	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1220992	399696	7074723	1378	27-Jul-11	40	c	Light Brown		20		30	30	20	Talus	Moist	Buck Brush	Mid Slope
1220993	399751	7074715	1382	27-Jul-11	20	c	Dark Brown	10	20		10	20	40	Talus	Moist	Buck Brush	Ridge Top
1220994	399797	7074705	1391	27-Jul-11	60	c	Light Brown		20		10	20	50	Weathered Bedrock	Moist	Alpine	Ridge Top
1220995	399845	7074698	1392	27-Jul-11	40	c	Light Brown		10		20	20	50	Weathered Bedrock	Moist	Alpine	Ridge Top
1220996	399897	7074690	1390	27-Jul-11	40	c	Light Brown		20		20	20	40	Weathered Bedrock	Moist	Alpine	Ridge Top
1220997	399944	7074678	1387	27-Jul-11	30	c	Dark Brown		10		10	10	70	Weathered Bedrock	Moist	Alpine	Ridge Top
1220998	399993	7074672	1382	27-Jul-11	60	c	Dark Brown		30		10	20	40	Talus	Moist	Alpine	Ridge Top
1220999	396031	7070691	1287	29-Jul-11	30	c	Light Brown		20	0	10	10	60	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1221000	396008	7070732	1289	29-Jul-11	35	c	Light Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1221001	400428	7072224	1037	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	moist	Evergreen Forest	mid slope
1221002	400424	7072191	1030	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	moist	Evergreen Forest	mid slope
1221003	394230	7070391	1463	30-Jul-11	10-20	c	Dark Brown	30					70	weathered bedrock	moist	Alpine	Ridge Top
1221004	394229	7070443	1454	30-Jul-11	15	c	Dark Brown	40					60	weathered bedrock	moist	Alpine	mid slope
1221005	394239	7070494	1442	30-Jul-11	15	c	dark brown	60					40	weathered bedrock	moist	Alpine	mid slope
1221006	394242	7070543	1433	30-Jul-11	10-20	b/c	dark brown		50				50	weathered bedrock	moist	Alpine	mid slope
1221007	394245	7070592	1422	30-Jul-11	20-30	c	Light Brown		70				30	weathered bedrock	moist	Alpine	Ridge Top
1221008	394250	7070642	1406	30-Jul-11	40-50	b/c	Dark Grey						100	weathered bedrock	moist	Alpine	mid slope
1221009	394254	7070690	1391	30-Jul-11	40-50	c	Light Brown						100	weathered bedrock	moist	Alpine	mid slope
1221010	394262	7070739	1376	30-Jul-11	50-60	c	Light Brown		20				80	weathered bedrock	moist	Alpine	mid slope
1221011	394264	7070789	1363	30-Jul-11	20-30	c	Light Brown		5				95	weathered bedrock	moist	Alpine	mid slope
1221012	394258	7070836	1349	30-Jul-11	30-40	c	Light Brown		5				95	weathered bedrock	moist	Alpine	mid slope
1221013	394234	7070881	1337	30-Jul-11	10-20	a/b	dark brown	20					80	weathered bedrock	moist	Alpine	mid slope
1221014	394211	7070932	1329	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	mid slope
1221015	394186	7070967	1333	30-Jul-11	10-20	a/b	dark brown		20				80	weathered bedrock	moist	Alpine	mid slope
1221016	394150	7071003	1344	30-Jul-11	40-50	c	Light Brown						100	weathered bedrock	moist	Alpine	mid slope
1221017	394121	7071050	1363	30-Jul-11	20	c	Light Brown						100	weathered bedrock	moist	Alpine	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221018	394090	7071088	1382	30-Jul-11	10-20	c	Light Brown	30					70	weathered bedrock	moist	Alpine	Ridge Top
1221019	394070	7071128	1395	30-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	moist	Alpine	Ridge Top
1221020	394038	7071169	1407	30-Jul-11	10-20	c	Light Grey						100	weathered bedrock	moist	Alpine	Ridge Top
1221021	394008	7071210	1416	30-Jul-11	10-20	c	Light Brown		5				95	weathered bedrock	moist	Alpine	Ridge Top
1221022	393981	7071253	1426	30-Jul-11	10-20	c	Light Grey		10				90	weathered bedrock	moist	Alpine	Ridge Top
1221023	393951	7071292	1429	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221024	393915	7071319	1430	30-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221025	393871	7071353	1428	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221026	393833	7071385	1427	30-Jul-11	0-10	c	Light Brown		30				70	weathered bedrock	moist	Alpine	Ridge Top
1221027	393796	7071418	1418	30-Jul-11	0-10	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221028	393754	7071446	1410	30-Jul-11	10-20	c	Dark Brown		5				95	weathered bedrock	moist	Alpine	Ridge Top
1221029	393715	7071476	1397	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221030	393669	7071511	1383	30-Jul-11	20-30	c	Light Brown		20				80	weathered bedrock	moist	Alpine	Ridge Top
1221031	393636	7071539	1371	30-Jul-11	30-40	c	Light Brown		5				95	weathered bedrock	moist	Alpine	Ridge Top
1221032	393596	7071568	1366	30-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221033	393557	7071600	1364	30-Jul-11	20-30	b/c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221034	393516	7071630	1357	30-Jul-11	0-10	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221035	393477	7071663	1342	30-Jul-11	0-10	a/b	Dark Brown	30					70	weathered bedrock	moist	buck brush	Ridge Top
1221036	393441	7071694	1330	30-Jul-11	0-10	c	Light Brown						100	weathered bedrock	moist	evergreen forest	Ridge Top
1221037	393404	7071730	1326	30-Jul-11	10-20	c	Light Brown		20				80	weathered bedrock	moist	buck brush	Ridge Top
1221038	393366	7071760	1334	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221039	393329	7071790	1334	30-Jul-11	0-10	c	Dark Brown	30					70	weathered bedrock	moist	Alpine	Ridge Top
1221040	393285	7071828	1333	30-Jul-11	10-20	b/c	dark brown	10					90	weathered bedrock	moist	Alpine	Ridge Top
1221041	393254	7071862	1331	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221042	393216	7071893	1328	30-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221043	393184	7071930	1325	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221044	393150	7071969	1323	30-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	moist	Alpine	Ridge Top
1221045	393131	7072015	1320	30-Jul-11	0-10	c	Light Brown		5				95	weathered bedrock	moist	Alpine	Ridge Top
1221046	393101	7072056	1318	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221047	393074	7072098	1313	30-Jul-11	0-10	b/c	dark brown	20					80	weathered bedrock	moist	Alpine	Ridge Top
1221048	393045	7072141	1308	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221049	393020	7072185	1302	30-Jul-11	0-10	c	Light Brown	15					85	weathered bedrock	moist	Alpine	Ridge Top
1221050	393020	7072236	1298	30-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	Alpine	Ridge Top
1221101	402666	7071349	1254	26-Jul-11	30	b/c	dark brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221102	402622	7071370	1253	26-Jul-11	20	b/c	dark brown	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221103	402581	7071401	1245	26-Jul-11	20	b/c	black	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221104	402539	7071422	1237	26-Jul-11	30	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221105	402498	7071445	1225	26-Jul-11	10	b/c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221106	402452	7071477	1211	26-Jul-11	20	b/c	light brown	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221107	402410	7071504	1199	26-Jul-11	10	b/c	light brown	20					80	weathered bedrock	moist	evergreen forest	mid slope
1221108	402367	7071525	1187	26-Jul-11	20	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221109	402324	7071552	1172	26-Jul-11	20	a/b	dark grey	50					50	weathered bedrock	moist	evergreen forest	mid slope
1221110	402278	7071578	1157	26-Jul-11	20	b/c	light brown	20					80	weathered bedrock	moist	evergreen forest	mid slope
1221111	402235	7071603	1139	26-Jul-11	10	a/b	dark grey	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221112	402191	7071629	1124	26-Jul-11	40	b/c	light brown	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221113	402155	7071654	1110	26-Jul-11	30	b/c	dark brown	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221114	402110	7071679	1090	26-Jul-11	20	b/c	dark brown	20					80	weathered bedrock	moist	deciduous forest	mid slope
1221115	402066	7071706	1071	26-Jul-11	30	b/c	dark brown	30					70	weathered bedrock	moist	evergreen forest	mid slope
1221116	402025	7071728	1054	26-Jul-11	50	b/c	dark brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221117	402002	7071743	1041	26-Jul-11	30	b/c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221118	400092	7075290	1396	27-Jul-11	30	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221119	400064	7075248	1390	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221120	400037	7075206	1387	27-Jul-11	30	C	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221121	400016	7075162	1386	27-Jul-11	20	C	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221122	399984	7075118	1386	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221123	399969	7075070	1385	27-Jul-11	30	C	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221124	399954	7075025	1385	27-Jul-11	20	A/B	Black	20					80	Weathered Bedrock	Moist	Alpine	Ridge Top
1221125	399938	7074979	1386	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221126	399924	7074931	1391	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221127	399923	7074878	1397	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221128	399923	7074828	1397	27-Jul-11	20	B/C	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221129	399923	7074778	1398	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221130	399925	7074728	1394	27-Jul-11	10	b/c	Light Brown	10					90	Weathered Bedrock	Moist	Alpine	Ridge Top
1221131	399927	7074679	1392	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221132	399926	7074631	1391	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221133	399926	7074580	1387	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221134	399925	7074530	1387	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221135	399927	7074482	1387	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221136	399927	7074431	1386	27-Jul-11	10	b/c	Light Brown	30					70	Talus	Moist	Alpine	Ridge Top
1221137	399929	7074376	1387	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Mid Slope
1221138	399929	7074331	1387	27-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Mid Slope
1221139	399925	7074281	1384	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Mid Slope
1221140	399921	7074230	1383	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Mid Slope
1221141	399920	7074182	1379	27-Jul-11	10	b/c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Mid Slope
1221142	399912	7074132	1372	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Mid Slope
1221143	399909	7074079	1367	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221144	399902	7074032	1364	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221145	399889	7073985	1362	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221146	399869	7073937	1360	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221147	399855	7073890	1358	27-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221148	399839	7073843	1357	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221149	399822	7073798	1353	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221150	399777	7073769	1349	27-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221151	399733	7073742	1339	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Alpine	Ridge Top
1221152	399696	7073722	1336	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	Ridge Top
1221153	399647	7073695	1322	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221154	399616	7073667	1316	28-Jul-11	20	c	dark brown	30					70	Weathered Bedrock	Moist	buck brush	mid slope
1221155	399565	7073638	1308	28-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221156	399522	7073611	1302	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221157	399484	7073588	1298	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221158	399437	7073564	1291	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221159	399395	7073536	1284	28-Jul-11	25	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221160	399352	7073512	1277	28-Jul-11	25	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221161	399307	7073485	1273	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221162	399255	7073454	1268	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221163	399220	7073437	1275	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221164	399177	7073402	1266	28-Jul-11	no sample												
1221165	399137	7073385	1265	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221166	399097	7073356	1266	28-Jul-11	20	c	dark brown	20					80	Weathered Bedrock	Moist	buck brush	mid slope
1221167	399053	7073333	1262	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	buck brush	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221168	399001	7073305	1252	28-Jul-11	10	c	dark brown						100	Weathered Bedrock	Moist	buck brush	mid slope
1221169	398959	7073294	1242	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221170	398914	7073270	1232	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221171	398876	7073243	1225	28-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221172	398826	7073212	1216	28-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221173	398781	7073188	1212	28-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221174	398735	7073168	1206	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221175	398681	7073148	1200	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221176	398647	7073138	1193	28-Jul-11	20	b/c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221177	398605	7073104	1179	28-Jul-11	30	c	Light Brown		10				90	Weathered Bedrock	Moist	evergreen	mid slope
1221178	398556	7073095	1166	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221179	398513	7073068	1153	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221180	398463	7073049	1141	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221181	398408	7073032	1130	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221182	398367	7073005	1121	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221183	398320	7072983	1115	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221184	398276	7072980	1111	28-Jul-11	20	c	Light Brown		5				95	Weathered Bedrock	Moist	evergreen	mid slope
1221185	398239	7072954	1108	28-Jul-11	20	b/c	Black						100	Weathered Bedrock	Moist	evergreen	mid slope
1221186	398183	7072925	1099	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221187	398146	7072911	1096	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221188	398100	7072895	1084	28-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221189	398052	7072870	1067	28-Jul-11	20	b/c	Light Brown	20					80	Weathered Bedrock	Moist	evergreen	mid slope
1221190	398007	7072848	1051	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221191	397964	7072828	1034	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221192	397912	7072810	1019	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221193	397864	7072793	1005	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221194	397820	7072764	994	28-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221195	397780	7072750	986	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221196	397733	7072726	980	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221197	397679	7072707	973	28-Jul-11	50	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221198	397637	7072692	965	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221199	397593	7072682	966	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221200	397543	7072659	960	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221201	397491	7072645	949	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221202	397401	7072612	940	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221203	397301	7072576	929	28-Jul-11	50	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221204	397211	7072553	916	28-Jul-11	30	c	yellow-orange						100	Weathered Bedrock	Moist	evergreen	mid slope
1221205	397110	7072557	888	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221206	397006	7072578	878	28-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221207	401402	7074118	1278	29-Jul-11	15	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221208	401383	7074067	1276	29-Jul-11	20	b/c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221209	401368	7074024	1275	29-Jul-11	no sample												
1221210	401351	7073971	1274	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221211	401328	7073920	1270	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221212	401319	7073884	1270	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Wet	evergreen	mid slope
1221213	401302	7073833	1268	29-Jul-11	20	c	Light Brown	20					80	Weathered Bedrock	Moist	evergreen	mid slope
1221214	401275	7073785	1262	29-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221215	401231	7073744	1253	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221216	401229	7073697	1263	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221217	401219	7073647	1264	29-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221218	401216	7073600	1265	29-Jul-11	30	b/c	dark brown	50					50	Weathered Bedrock	Moist	evergreen	mid slope
1221219	401217	7073552	1268	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221220	401191	7073502	1261	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221221	401175	7073450	1257	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221222	401162	7073408	1251	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221223	401164	7073354	1249	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221224	401117	7073302	1233	29-Jul-11	30	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221225	401108	7073267	1228	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221226	401093	7073206	1223	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221227	401080	7073167	1220	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221228	401073	7073120	1213	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221229	401044	7073076	1207	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221230	401026	7073019	1199	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221231	401005	7072985	1190	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221232	400994	7072932	1187	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221233	400971	7072885	1181	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221234	400967	7072843	1176	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221235	400946	7072798	1171	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221236	400936	7072742	1162	29-Jul-11	20	c	dk grey						100	Weathered Bedrock	Moist	evergreen	mid slope
1221237	400923	7072701	1159	29-Jul-11	40	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221238	400895	7072655	1149	29-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221239	400890	7072603	1142	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221240	400864	7072561	1133	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221241	400823	7072521	1125	29-Jul-11	50	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221242	400777	7072513	1114	29-Jul-11	20	c	dark brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221243	400732	7072479	1104	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Wet	evergreen	mid slope
1221244	400693	7072447	1096	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221245	400654	7072418	1086	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221246	400612	7072383	1080	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221247	400574	7072357	1069	29-Jul-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221248	400532	7072330	1059	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221249	400493	7072303	1050	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221250	400451	7072273	1041	29-Jul-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	mid slope
1221408	400041	7074162	1379	27-Jul-11	20	c	Dark Brown	5					95	Weathered Bedrock	Moist	Tundra	Ridge Top
1221409	400050	7074110	1372	27-Jul-11		c	Light Grey	10	20				70	Weathered Bedrock	Moist	Tundra	Ridge Top
1221410	400063	7074074	1364	27-Jul-11		A	Dark Brown	100						Talus	Moist	Tundra	Ridge Top
1221411	400072	7074022	1364	27-Jul-11		c	Light Brown	10	10				80	Weathered Bedrock	Moist	Tundra	Ridge Top
1221412	400091	7073979	1357	27-Jul-11		c	Light Brown						100	Talus	Moist	Tundra	Ridge Top
1221413	400104	7073915	1347	27-Jul-11		c	Light Brown	20	10		40		30	Weathered Bedrock	Moist	Tundra	Ridge Top
1221414	400101	7073796	1317	27-Jul-11		c	Light Brown	30					70	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221415	400128	7073822	1325	27-Jul-11		B/C	Light Brown	30			20		50	Weathered Bedrock	Moist	Tundra	Ridge Top
1221416	400068	7073699	1299	27-Jul-11		c	Light Brown	30					70	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221417	400082	7073736	1300	27-Jul-11		A	Black	90					10	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221418	400034	7073597	1273	27-Jul-11		c	Light Grey	5					95	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221419	400044	7073649	1265	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221420	399989	7073509	1263	27-Jul-11		c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221421	400013	7073553	1283	27-Jul-11		c	Light Grey	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221422	399961	7073417	1255	27-Jul-11		c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221423	399967	7073459	1257	27-Jul-11		c	Light Grey	10			10		90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221424	399942	7073317	1248	27-Jul-11		c	Light Brown	20			20		60	Weathered Bedrock	Moist	Buck Brush	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221425	399943	7073366	1264	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221426	399920	7073218	1229	27-Jul-11		c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221427	399919	7073271	1246	27-Jul-11		c	Light Brown	10	10		10		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221428	399932	7073118	1212	27-Jul-11		c	Light Brown	30					70	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221429	399923	7073171	1234	27-Jul-11		c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221430	399947	7073018	1204	27-Jul-11		c	Light Brown	5					95	Weathered Bedrock	Wet	Buck Brush	Mid Slope
1221431	399940	7073061	1197	27-Jul-11		c	Light Brown	10	20		60		10	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221432	399966	7072926	1185	27-Jul-11		c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221433	399958	7072971	1192	27-Jul-11		c	yellow-orange				50		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221434	399977	7072828	1174	27-Jul-11		c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221435	399970	7072871	1186	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221436	399980	7072733	1179	27-Jul-11		c	Light Brown	20					80	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221437	399979	7072776	1188	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221438	399973	7072634	1127	27-Jul-11		c	Light Brown	15					85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221439	399974	7072676	1172	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221440	399949	7072531	1121	27-Jul-11		c	Light Brown	40			25		35	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221441	399963	7072575	1144	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221442	399936	7072426	1097	27-Jul-11		c	Light Brown	10			50		40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221443	399936	7072477	1113	27-Jul-11		c	Light Brown				70		30	Weathered Bedrock	Dry	Evergreen Forest	Mid Slope
1221444	399919	7072330	1107	27-Jul-11		c	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221445	399924	7072380	1069	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221446	399916	7072224	1098	27-Jul-11		c	Light Brown				50		50	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221447	399912	7072281	1069	27-Jul-11		c	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221448	399911	7072131	1085	27-Jul-11		c	Light Brown	10	10		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221449	399907	7072181	1061	27-Jul-11		c	Light Brown	20	10				70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221450	399977	7072062	1061	27-Jul-11		c	Light Brown	15	15		25		45	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221451	399944	7072089	1037	27-Jul-11		c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221452	400039	7071991	1034	27-Jul-11		c	Light Brown	15	15		45		25	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221453	400004	7072015	1060	27-Jul-11		c	Light Brown	20			70		10	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221454	400111	7071916	1001	27-Jul-11		c	Light Brown	65			20		15	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221455	400076	7071954	1026	27-Jul-11		c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221456	400172	7071831	968	27-Jul-11		c	Dark Brown	60	10		10		20	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221457	400151	7071877	994	27-Jul-11		c	Light Brown						100	Talus	Moist	Evergreen Forest	Mid Slope
1221459	400204	7071806	951	27-Jul-11		c	Light Brown	20	30		50			Weathered Bedrock	Moist	Buck Brush	Mid Slope
1221463	397460	7073906	1107	28-Jul-11	30-40	c	Light Brown	15	5				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221464	397455	7073855	1095	28-Jul-11	20-30	c	Light Brown		20				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221465	397454	7073804	1085	28-Jul-11	30-40	c	Light Brown	5	15				85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221466	397452	7073754	1075	28-Jul-11	20-30	c	Light Brown	5	15				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221467	397436	7073702	1065	28-Jul-11	30-40	c	Light Brown	15	10		5		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221468	397414	7073663	1060	28-Jul-11	30-40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221469	397389	7073614	1052	28-Jul-11	30-40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221470	397365	7073569	1048	28-Jul-11	30-40	c	Light Brown	10	10		5		75	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221471	397351	7073522	1042	28-Jul-11	20-30	c	Light Brown	15	10		5		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221472	397321	7073483	1031	28-Jul-11	30-40	c	Light Brown	25	15				60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221473	397300	7073431	1017	28-Jul-11	40-50	c	Light Brown	10	15				75	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221474	397265	7073387	1005	28-Jul-11	30-40	c	Light Brown	5	15				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221475	397258	7073341	997	28-Jul-11	40-50	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221476	397234	7073295	987	28-Jul-11	40-50	c	Light Brown	5	15				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221477	397207	7073259	979	28-Jul-11	40-50	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221478	397184	7073216	971	28-Jul-11	30-40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221479	397160	7073170	962	28-Jul-11	30-40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221480	397126	7073127	955	28-Jul-11	30-40	c	Light Brown		20		50		30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221481	397108	7073083	947	28-Jul-11	40-50	c	Light Brown	5	15				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221482	397076	7073046	943	28-Jul-11	30-40	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221483	397048	7073002	937	28-Jul-11	50-60	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221484	397032	7072962	928	28-Jul-11	50-60	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221485	397005	7072919	918	28-Jul-11	40-50	c	Light Brown	20	5				75	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221486	396971	7072880	905	28-Jul-11	40-50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221487	396941	7072839	897	28-Jul-11	30-40	c	Dark Brown	80					20	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221488	396915	7072792	890	28-Jul-11	40-50	c	Dark Brown	5					95	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221489	396885	7072754	885	28-Jul-11	30-40	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221490	396867	7072714	882	28-Jul-11	30-40	c	Dark Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1221491	398757	7072905	1154	29-Jul-11	30-40	c	light brown						100	weathered bedrock	moist	evergreen forest	ridge top
1221492	399053	7073236	1251	29-Jul-11	30-40	c	light brown	10					90	weathered bedrock	moist	evergreen forest	ridge top
1221493	399020	7073205	1242	29-Jul-11	30-40	c	light brown	5	5				90	weathered bedrock	moist	evergreen forest	mid slope
1221494	398988	7073171	1229	29-Jul-11	30-40	c	light brown						100	weathered bedrock	moist	evergreen forest	ridge top
1221495	398961	7073129	1221	29-Jul-11	30-40	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221496	398932	7073086	1210	29-Jul-11	40-50	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221497	398891	7073053	1202	29-Jul-11	40-50	c	light brown		10				90	weathered bedrock	moist	evergreen forest	mid slope
1221498	398857	7073021	1192	29-Jul-11	30-40	c	light brown		20				80	weathered bedrock	moist	evergreen forest	mid slope
1221499	398823	7072979	1177	29-Jul-11	40-50	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221500	398792	7072941	1165	29-Jul-11	30-40	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1221648	403168	7071012	1429	26-Jul-11	20	b/c	dark brown	10			30		60	talus	dry	alpine	mid slope
1221649	403164	7071076	1425	26-Jul-11	30	b/c	light brown				40		60	talus	dry	alpine	mid slope
1221650	403184	7071126	1415	26-Jul-11	30	c	light brown		20		20		60	talus	dry	alpine	mid slope
1221651	403177	7071166	1404	26-Jul-11	35	b/c	dark brown		20		60		20	talus	dry	alpine	mid slope
1221652	403164	7071206	1392	26-Jul-11	60	b/c	dark brown				30	40	30	talus	dry	alpine	mid slope
1221653	403164	7071273	1373	26-Jul-11	35	b/c	dark brown				20	20	60	talus	moist	alpine	mid slope
1221654	403168	7071308	1363	26-Jul-11	25	b/c	dark brown		10		30		60	talus	dry	alpine	mid slope
1221655	403155	7071364	1342	26-Jul-11	20	b/c	dark brown	10			30		60	talus	moist	alpine	mid slope
1221656	403153	7071414	1328	26-Jul-11	35	b/c	dark brown				20	20	60	talus	moist	alpine	mid slope
1221657	403141	7071462	1311	26-Jul-11	30	c	dark brown				20		80	talus	moist	evergreen forest	mid slope
1221658	403121	7071509	1292	26-Jul-11	40	c	dark brown		20		20		60	talus	moist	evergreen forest	mid slope
1221659	403108	7071557	1275	26-Jul-11	30	c	dark brown		20		20		60	talus	moist	evergreen forest	mid slope
1221660	403092	7071601	1264	26-Jul-11	35	b/c	dark brown				20		80	talus	moist	evergreen forest	mid slope
1221661	403078	7071652	1252	26-Jul-11	40	c	dark brown		10		10		80	talus	moist	evergreen forest	mid slope
1221662	403063	7071701	1238	26-Jul-11	30	c	light brown		10		10		80	talus	moist	evergreen forest	mid slope
1221663	403053	7071750	1225	26-Jul-11	30	c	light brown		10		20		70	talus	moist	evergreen forest	mid slope
1221664	403009	7071762	1211	26-Jul-11	20	b/c	dark brown	10			30		60	talus	moist	buck brush	mid slope
1221665	402961	7071772	1202	26-Jul-11	60	b/c	dark brown				40		60	weathered bedrock	moist	evergreen forest	mid slope
1221666	402912	7071776	1194	26-Jul-11	40	b/c	dark brown	10			30		60	talus	moist	evergreen forest	mid slope
1221667	402863	7071785	1185	26-Jul-11	25	b/c	dark brown				50		50	weathered bedrock	dry	evergreen forest	mid slope
1221668	402812	7071791	1177	26-Jul-11	30	b/c	dark brown				20		80	weathered bedrock	moist	evergreen forest	mid slope
1221669	402762	7071794	1168	26-Jul-11	30	b/c	dark brown	10			30		60	weathered bedrock	moist	evergreen forest	mid slope
1221670	402714	7071790	1159	26-Jul-11	40	c	dark brown				30		70	weathered bedrock	moist	evergreen forest	mid slope
1221671	402663	7071790	1149	26-Jul-11	30	b/c	dark brown	20			20		60	talus	dry	evergreen forest	mid slope
1221672	402614	7071791	1138	26-Jul-11	30	b/c	light brown		20		20		60	weathered bedrock	moist	evergreen forest	mid slope
1221673	402563	7071790	1130	26-Jul-11	40	b/c	dark brown				20	20	60	weathered bedrock	moist	evergreen forest	mid slope
1221674	402509	7071782	1120	26-Jul-11	25	b/c	dark brown	25			25		50	talus	moist	buck brush	mid slope
1221675	402465	7071786	1109	26-Jul-11	20	b/c	light brown	10			30		60	talus	dry	evergreen forest	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221676	402410	7071789	1094	26-Jul-11	25	b/c	light brown				50		50	talus	moist	evergreen forest	mid slope
1221677	402352	7071782	1085	26-Jul-11	30	c	light brown	10			50		40	talus	moist	buck brush	mid slope
1221678	402281	7071772	1078	26-Jul-11	25	b/c	dark brown	10			50		40	talus	dry	evergreen forest	mid slope
1221951	402049	7073462	1572	26-Jul-11	30	c	light brown				70		30	weathered bedrock	moist	alpine	ridge top
1221952	402003	7073427	1555	26-Jul-11	30	a	dark brown	90	10					weathered bedrock	moist	alpine	ridge top
1221953	401961	7073393	1539	26-Jul-11	30	a	light brown	10	20		70			weathered bedrock	moist	alpine	ridge top
1221954	401927	7073363	1523	26-Jul-11	30	a	light brown	10	10		70		10	weathered bedrock	moist	alpine	ridge top
1221955	401884	7073334	1505	26-Jul-11	30	a	dark brown	90	10					weathered bedrock	moist	alpine	ridge top
1221956	401844	7073302	1490	26-Jul-11	30	c	light brown	20					80	weathered bedrock	moist	alpine	bench
1221957	401809	7073270	1485	26-Jul-11	30	a	dark brown	100						weathered bedrock	moist	alpine	bench
1221958	401771	7073232	1476	26-Jul-11	70	c	light brown	10	10				80	weathered bedrock	moist	alpine	bench
1221959	401734	7073208	1470	26-Jul-11	30	a	light brown	20	10		70			weathered bedrock	moist	alpine	bench
1221960	401702	7073159	1451	26-Jul-11	30	c	light brown	5	10		15		70	weathered bedrock	moist	alpine	mid slope
1221961	401670	7073120	1427	26-Jul-11	30	a/b	light brown	20	10		70			weathered bedrock	moist	alpine	mid slope
1221962	401657	7073077	1403	26-Jul-11	30	a	dark brown	90					10	weathered bedrock	moist	buck brush	mid slope
1221963	401629	7073039	1380	26-Jul-11	50	c	dark brown	30	10				60	weathered bedrock	moist	buck brush	mid slope
1221964	401614	7072986	1352	26-Jul-11	64	a	dark brown	80					20	weathered bedrock	moist	buck brush	mid slope
1221965	401578	7072940	1320	26-Jul-11	50	c	light brown	10	10				80	weathered bedrock	moist	buck brush	mid slope
1221966	401549	7072909	1301	26-Jul-11	30	c	light brown	100						weathered bedrock	moist	buck brush	mid slope
1221967	401508	7072853	1268	26-Jul-11	40	a	light brown	20			80			weathered bedrock	moist	evergreen forest	mid slope
1221968	401493	7072818	1255	26-Jul-11	10	a	dark brown	100						weathered bedrock	moist	evergreen forest	mid slope
1221969	401463	7072786	1239	26-Jul-11	40	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221970	401425	7072738	1229	26-Jul-11	30	a	dark brown	80					20	talus	moist	evergreen forest	mid slope
1221971	401407	7072699	1213	26-Jul-11	40	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221972	401381	7072653	1207	26-Jul-11	20	c	dark brown	10	5				85	weathered bedrock	moist	evergreen forest	mid slope
1221973	401357	7072610	1197	26-Jul-11	40	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1221974	401348	7072557	1190	26-Jul-11	50	c	dark brown	20					80	weathered bedrock	moist	evergreen forest	mid slope
1221975	401324	7072513	1180	26-Jul-11	50	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221976	401300	7072470	1173	26-Jul-11	40	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1221977	401280	7072431	1164	26-Jul-11	60	c	light brown	10	30				60	weathered bedrock	saturated	evergreen forest	mid slope
1221978	401258	7072372	1156	26-Jul-11	40	c	light brown	5	5				90	weathered bedrock	moist	evergreen forest	mid slope
1221979	401237	7072335	1151	26-Jul-11	50	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1221980	401235	7072284	1143	26-Jul-11	30	c	light brown		10				90	talus	wet	evergreen forest	mid slope
1221981	401226	7072240	1137	26-Jul-11	30	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1221982	401209	7072180	1129	26-Jul-11	30	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221983	401176	7072150	1123	26-Jul-11	30	c	light brown	20					80	weathered bedrock	moist	evergreen forest	mid slope
1221984	401139	7072123	1119	26-Jul-11	30	c	light brown	5	5				90	weathered bedrock	moist	evergreen forest	mid slope
1221985	401101	7072088	1115	26-Jul-11	30	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221986	401063	7072049	1107	26-Jul-11	30	c	light brown	10	25				65	weathered bedrock	moist	evergreen forest	mid slope
1221987	401025	7072018	1096	26-Jul-11	30	c	light brown	10					90	weathered bedrock	moist	evergreen forest	mid slope
1221988	400995	7071982	1085	26-Jul-11	30	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221989	400941	7071957	1068	26-Jul-11	40	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221990	400911	7071943	1054	26-Jul-11	30	c	dark brown	50					50	weathered bedrock	moist	evergreen forest	mid slope
1221991	400864	7071904	1024	26-Jul-11	50	c	light brown						100	weathered bedrock	moist	evergreen forest	mid slope
1221992	400823	7071890	1004	26-Jul-11	30	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221993	400779	7071889	989	26-Jul-11	50	c	light brown	10	20				70	weathered bedrock	moist	evergreen forest	mid slope
1221994	400725	7071879	986	26-Jul-11	20	a	dark brown	100						weathered bedrock	moist	evergreen forest	mid slope
1221995	400659	7071870	980	26-Jul-11	50	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	mid slope
1221996	400618	7071873	973	26-Jul-11	20	c	light brown	20	15		10		55	weathered bedrock	moist	evergreen forest	mid slope
1221997	400566	7071848	946	26-Jul-11	50	c	light brown	10	20				70	weathered bedrock	wet	evergreen forest	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1221998	400537	7071835	938	26-Jul-11	40	c	light brown	20	15		30		45	weathered bedrock	moist	evergreen forest	mid slope
1221999	400476	7071796	924	26-Jul-11	30	a	black	100						weathered bedrock	moist	evergreen forest	valley bottom
1222000	400442	7071782	925	26-Jul-11	40	a	dark brown	90					10	loess	moist	evergreen forest	mid slope
1222001	400389	7071749	923	26-Jul-11	40	c	light brown	10	10				80	weathered bedrock	moist	evergreen forest	valley bottom
1222002	396611	7074655	1147	28-Jul-11	40-50	c	lt grey	10	10				80	Weathered Bedrock	moist	evergreen	mid slope
1222003	396584	7074609	1137	28-Jul-11	40-50	c	lt grey		10				90	Weathered Bedrock	moist	evergreen	mid slope
1222004	396558	7074566	1123	28-Jul-11	40-50	c	lt grey	10	10				80	Weathered Bedrock	moist	evergreen	mid slope
1222005	396532	7074517	1109	28-Jul-11	40-50	c	lt grey	10	10				80	Weathered Bedrock	moist	evergreen	mid slope
1222006	396515	7074469	1100	28-Jul-11	40-50	c	dk grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222007	396493	7074425	1088	28-Jul-11	40-50	c	lt brown	10	10				80	Weathered Bedrock	moist	evergreen	mid slope
1222008	396469	7074390	1076	28-Jul-11	40-50	c	dk brown	30	10				60	Weathered Bedrock	moist	evergreen	mid slope
1222009	396444	7074339	1067	28-Jul-11	40-50	c	lt brown		10				90	Weathered Bedrock	moist	evergreen	mid slope
1222010	396422	7074294	1059	28-Jul-11	40-50	c	lt grey	10	10				80	Weathered Bedrock	moist	evergreen	mid slope
1222011	396401	7074252	1053	28-Jul-11	50-60	c	lt grey		10				90	Weathered Bedrock	moist	evergreen	mid slope
1222012	396378	7074207	1048	28-Jul-11	40-50	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222013	396349	7074167	1042	28-Jul-11	40-50	c	lt brown						100	Weathered Bedrock	moist	evergreen	mid slope
1222014	396326	7074116	1033	28-Jul-11	30-40	c	lt brown	10	10				80	Weathered Bedrock	moist	deciduous	mid slope
1222015	396308	7074083	1022	28-Jul-11	30-40	c	lt brown	10	10				80	Weathered Bedrock	moist	deciduous	mid slope
1222016	396287	7074035	1003	28-Jul-11	30-40	c	lt brown		10		20		70	Weathered Bedrock	moist	deciduous	mid slope
1222017	396261	7073997	993	28-Jul-11	40-50	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222018	396243	7073948	983	28-Jul-11	30-40	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222019	396217	7073905	976	28-Jul-11	40-50	c	lt grey						100	Weathered Bedrock	moist	buck brush	mid slope
1222020	396190	7073858	967	28-Jul-11	40-50	c	lt grey	10	10				80	Weathered Bedrock	moist	buck brush	mid slope
1222021	396168	7073815	962	28-Jul-11	30-40	c	lt grey	10	10				80	Weathered Bedrock	moist	buck brush	mid slope
1222022	396148	7073768	956	28-Jul-11	40-50	c	lt grey		10				90	Weathered Bedrock	moist	buck brush	mid slope
1222023	396129	7073720	950	28-Jul-11	40-50	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222024	396136	7073677	947	28-Jul-11	60-70	c	dk grey	10					90	Weathered Bedrock	wet	evergreen	mid slope
1222025	396143	7073625	945	28-Jul-11	30-40	c	lt brown	10	10				80	Weathered Bedrock	moist	evergreen	mid slope
1222026	396157	7073572	943	28-Jul-11	30-40	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222027	396159	7073526	943	28-Jul-11	40-50	c	lt grey	10					90	Weathered Bedrock	artially froze	evergreen	mid slope
1222028	396167	7073476	941	28-Jul-11	40-50	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222029	396170	7073418	938	28-Jul-11	40-50	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222030	396181	7073371	933	28-Jul-11	50-60	c	lt grey						100	Weathered Bedrock	moist	evergreen	mid slope
1222031	396188	7073329	930	28-Jul-11	50-60	c	lt grey	20					80	Weathered Bedrock	moist	evergreen	mid slope
1222032	396231	7073293	927	28-Jul-11	50-60	c	lt grey	10					90	Weathered Bedrock	moist	evergreen	mid slope
1222033	396363	7070553	1255	29-Jul-11	20-30	a	lt brown	20			50		30	weathered bedrock	moist	evergreen	midslope
1222034	396428	7070630	1241	29-Jul-11	20-30	a	dk brown	60	20				20	weathered bedrock	moist	evergreen	midslope
1222035	396464	7070665	1231	29-Jul-11	50-60	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222036	396501	7070705	1221	29-Jul-11	30-40	c	lt brown	10	20				70	weathered bedrock	moist	evergreen	midslope
1222037	396534	7070742	1212	29-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	wet	evergreen	midslope
1222038	396570	7070771	1203	29-Jul-11	50-60	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222039	396600	7070806	1194	29-Jul-11	50-60	c	lt grey	10	10				80	weathered bedrock	wet	evergreen	midslope
1222040	396640	7070844	1182	29-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	wet	evergreen	midslope
1222041	396675	7070881	1175	29-Jul-11	30-40	c	lt brown	10	20				70	weathered bedrock	wet	evergreen	midslope
1222042	396709	7070916	1166	29-Jul-11	30-40	c	lt grey	10	20				70	weathered bedrock	moist	evergreen	midslope
1222043	396738	7070961	1155	29-Jul-11	40-50	c	lt brown	10	10				80	weathered bedrock	wet	evergreen	midslope
1222044	396771	7070991	1148	29-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	midslope
1222045	396802	7071035	1138	29-Jul-11	40-50	c	lt grey	10					90	weathered bedrock	moist	evergreen	midslope
1222046	396841	7071060	1131	29-Jul-11	30-40	c	lt brown	20					80	weathered bedrock	moist	evergreen	midslope
1222047	396870	7071113	1121	29-Jul-11	20-30	c	lt brown	20	20				60	weathered bedrock	moist	evergreen	midslope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222048	396902	7071155	1110	29-Jul-11	30-40	c	lt brown	10	20				70	weathered bedrock	moist	evergreen	midslope
1222049	396927	7071191	1100	29-Jul-11	20-30	c	lt brown	20	30				50	weathered bedrock	moist	evergreen	midslope
1222050	396957	7071232	1086	29-Jul-11	40-50	c	dk grey	20	10				70	weathered bedrock	moist	evergreen	midslope
1222051	396983	7071272	1071	29-Jul-11	40-50	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	midslope
1222052	397010	7071314	1054	29-Jul-11	30-40	c	dk grey	10	20				70	weathered bedrock	moist	evergreen	midslope
1222053	397036	7071353	1037	29-Jul-11	20-30	c	black	80					20	weathered bedrock	moist	evergreen	midslope
1222054	397062	7071397	1022	29-Jul-11	30-40	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222055	397092	7071439	1010	29-Jul-11	40-50	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222056	397119	7071483	996	29-Jul-11	60-70	c	dk grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222057	397147	7071522	985	29-Jul-11	50-60	c	lt grey						100	weathered bedrock	moist	evergreen	midslope
1222058	397171	7071564	967	29-Jul-11	40-50	c	dk grey	10					90	weathered bedrock	moist	evergreen	midslope
1222059	397204	7071609	961	29-Jul-11	40-50	c	dk grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222060	397230	7071652	950	29-Jul-11	40-50	c	dk grey	10					90	weathered bedrock	wet	evergreen	midslope
1222061	397262	7071692	939	29-Jul-11	50-60	c	lt brown	10					90	loess	saturated	evergreen	midslope
1222062	397282	7071736	929	29-Jul-11	40-50	c	lt grey	10					90	loess	moist	evergreen	midslope
1222063	397313	7071777	912	29-Jul-11	50-60	c	dk grey	10	10				80	weathered bedrock	wet	evergreen	midslope
1222064	397342	7071817	899	29-Jul-11	40-50	c	dk brown	10	10				80	loess	moist	evergreen	midslope
1222065	397366	7071859	883	29-Jul-11	40-50	c	dk grey	10	10				80	weathered bedrock	moist	evergreen	midslope
1222066	397396	7071901	869	29-Jul-11	40-50	c	dk grey	10	20				70	weathered bedrock	moist	evergreen	midslope
1222067	397420	7071945	858	29-Jul-11	40-50	c	lt brown		10				90	loess	moist	evergreen	midslope
1222068	397464	7071963	845	29-Jul-11	30-40	a	dk brown	100						loess	moist	evergreen	valley bottom
1222069	394570	7070215	1466	30-Jul-11	20-30	c	lt brown		30				70	talus	moist	tundra	ridge top
1222070	394619	7070210	1448	30-Jul-11	20-30	c	dk brown	10	20				70	talus	moist	tundra	ridge top
1222071	394674	7070211	1431	30-Jul-11	30-40	c	lt brown	10	20				70	talus	moist	tundra	ridge top
1222072	394718	7070209	1414	30-Jul-11	40-50	c	lt brown	10	10				80	talus	moist	tundra	ridge top
1222073	394819	7070207	1384	30-Jul-11	40-50	c	lt grey	10	20				70	weathered bedrock	moist	tundra	ridge top
1222074	395027	7070217	1328	30-Jul-11	30-40	c	lt brown	10	20				70	weathered bedrock	moist	evergreen	mid slope
1222075	395174	7070233	1302	30-Jul-11	40-50	c	dk grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222076	395222	7070243	1296	30-Jul-11	30-40	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222077	395271	7070249	1297	30-Jul-11	30-40	c	lt brown	10	20				70	weathered bedrock	moist	evergreen	mid slope
1222078	395315	7070248	1296	30-Jul-11	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1222079	395372	7070246	1294	30-Jul-11	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1222080	395419	7070251	1294	30-Jul-11	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1222081	395475	7070267	1295	30-Jul-11	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1222082	395518	7070274	1295	30-Jul-11	30-40	c	dk grey	10	20				70	weathered bedrock	moist	evergreen	mid slope
1222083	395567	7070275	1294	30-Jul-11	40-50	c	lt brown	10					90	weathered bedrock	moist	evergreen	mid slope
1222084	395614	7070298	1291	30-Jul-11	30-40	c	lt brown	10	20				70	weathered bedrock	moist	evergreen	mid slope
1222085	395662	7070317	1282	30-Jul-11	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1222086	395706	7070344	1276	30-Jul-11	50-60	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222087	395749	7070358	1271	30-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222088	395803	7070390	1268	30-Jul-11	40-50	c	lt grey						100	weathered bedrock	moist	evergreen	mid slope
1222089	395840	7070398	1257	30-Jul-11	50-60	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222090	395894	7070421	1228	30-Jul-11	40-50	c	lt grey	10					90	weathered bedrock	moist	evergreen	mid slope
1222091	395932	7070446	1276	30-Jul-11	40-50	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222092	395973	7070473	1266	30-Jul-11	40-50	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222093	396017	7070488	1291	30-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222094	396069	7070515	1291	30-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222095	396107	7070529	1295	30-Jul-11	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	ridge top
1222096	396120	7070545	1294	30-Jul-11	30-40	c	lt brown	10					90	weathered bedrock	moist	evergreen	ridge top
1222097	394979	7067754	1290	31-Jul-11	30-40	a	dk brown	50					50	weathered bedrock	moist	buck brush	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222098	394986	7067700	1288	31-Jul-11	30-40	c	lt grey	10	10				80	weathered bedrock	moist	buck brush	mid slope
1222099	395007	7067658	1277	31-Jul-11	30-40	c	lt brown	30					70	weathered bedrock	moist	buck brush	mid slope
1222201	395031	7067616	1281	31-Jul-11	20-30	c	lt brown	30					70	weathered bedrock	moist	buck brush	mid slope
1222202	395053	7067570	1277	31-Jul-11	30-40	c	lt brown	20					80	weathered bedrock	moist	buck brush	mid slope
1222203	395083	7067524	1277	31-Jul-11	30-40	c	lt brown	30					70	weathered bedrock	moist	buck brush	mid slope
1222204	395106	7067480	1276	31-Jul-11	40-50	c	lt brown	10					90	weathered bedrock	moist	buck brush	mid slope
1222205	395136	7067444	1277	31-Jul-11	30-40	c	lt grey	20					80	weathered bedrock	moist	evergreen	mid slope
1222206	395177	7067403	1285	31-Jul-11	30-40	c	lt grey	20					80	weathered bedrock	moist	buck brush	mid slope
1222207	395187	7067363	1284	31-Jul-11	40-50	c	lt brown	10					90	weathered bedrock	moist	buck brush	ridge top
1222208	395226	7067317	1286	31-Jul-11	10-20	c	lt brown	20					80	talus	moist	buck brush	ridge top
1222209	395275	7067225	1279	31-Jul-11	20-30	c	lt brown	10					90	weathered bedrock	moist	buck brush	ridge top
1222210	395291	7067194	1274	31-Jul-11	30-40	c	lt brown	10					90	weathered bedrock	moist	buck brush	ridge top
1222211	395331	7067148	1263	31-Jul-11	30-40	c	dk grey	25					75	weathered bedrock	moist	buck brush	ridge top
1222212	395345	7067099	1256	31-Jul-11	30-40	c	lt grey	10	10				80	weathered bedrock	moist	buck brush	ridge top
1222213	395377	7067010	1246	31-Jul-11	40-50	c	lt brown	10					90	weathered bedrock	moist	buck brush	ridge top
1222214	395389	7066957	1245	31-Jul-11	20-30	c	lt grey	10	5				85	weathered bedrock	moist	buck brush	ridge top
1222215	395409	7066912	1243	31-Jul-11	30-40	c	lt brown	20					80	weathered bedrock	moist	buck brush	ridge top
1222216	395425	7066866	1242	31-Jul-11	20-30	c	lt grey	10					90	weathered bedrock	moist	buck brush	ridge top
1222217	395437	7066827	1239	31-Jul-11	30-40	c	lt brown	10	10				80	weathered bedrock	moist	buck brush	ridge top
1222218	395452	7066771	1231	31-Jul-11	40-50	c	lt brown	20	10				70	weathered bedrock	moist	buck brush	ridge top
1222219	395475	7066728	1225	31-Jul-11	30-40	c	lt grey	10					90	weathered bedrock	moist	buck brush	ridge top
1222220	395495	7066673	1217	31-Jul-11	30-40	c	lt brown	20					80	weathered bedrock	moist	evergreen	mid slope
1222221	395510	7066634	1214	31-Jul-11	40-50	c	dk brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222222	395525	7066585	1208	31-Jul-11	60-70	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222223	395544	7066541	1201	31-Jul-11	30-40	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1222224	395564	7066493	1193	31-Jul-11	40-50	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222225	395585	7066445	1182	31-Jul-11	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222226	395599	7066391	1172	31-Jul-11	40-50	c	lt grey	10					90	weathered bedrock	moist	evergreen	mid slope
1222227	395622	7066358	1162	31-Jul-11	50-60	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222228	395658	7066307	1151	31-Jul-11	30-40	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222229	395682	7066264	1141	31-Jul-11	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1222230	395704	7066235	1136	31-Jul-11	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222231	395740	7066193	1128	31-Jul-11	40-50	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1222232	395767	7066142	1119	31-Jul-11	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1222233	395790	7066108	1113	31-Jul-11	40-50	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1222234	395824	7066061	1103	31-Jul-11	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1222235	395857	7066028	1098	31-Jul-11	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1222236	395879	7065981	1091	31-Jul-11	30-40	c	lt brown	10					90	weathered bedrock	moist	evergreen	mid slope
1222237	395911	7065938	1080	31-Jul-11	30-40	c	dk brown	10					90	weathered bedrock	moist	evergreen	mid slope
1222238	395937	7065900	1073	31-Jul-11	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222239	395963	7065859	1066	31-Jul-11	30-40	c	lt brown	15					85	weathered bedrock	moist	evergreen	mid slope
1222240	395998	7065818	1076	31-Jul-11	30-40	c	lt brown	10					90	weathered bedrock	moist	evergreen	mid slope
1222241	396021	7065781	1049	31-Jul-11	30-40	c	lt brown	15	10				75	weathered bedrock	moist	evergreen	mid slope
1222242	396049	7065735	1041	31-Jul-11	30-40	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1222243	396074	7065692	1031	31-Jul-11	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1222244	396104	7065646	1021	31-Jul-11	30-40	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1222245	396129	7065605	1010	31-Jul-11	40-50	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1222246	396144	7065552	1004	31-Jul-11	20-30	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1222247	396171	7065520	995	31-Jul-11	30-40	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1222248	396201	7065477	987	31-Jul-11	40-50	c	lt grey	5					95	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222249	399816	7069724	1212	2-Aug-11	30-40	c	lt grey	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222250	396238	7065434	985	1-Aug-11	30-40	c	Light Brown	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222251	396256	7065398	978	1-Aug-11	40-50	c	Light Brown	5	5				90	weathered bedrock	moist	evergreen	Mid Slope
1222252	396285	7065355	965	1-Aug-11	30-40	c	Light Brown	5					95	weathered bedrock	moist	evergreen	Mid Slope
1222253	396324	7065329	957	1-Aug-11	40-50	c	light grey	5	5				90	weathered bedrock	moist	evergreen	Mid Slope
1222254	396364	7065285	944	1-Aug-11	20-30	c	Light Brown	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222255	396396	7065256	933	1-Aug-11	20-30	c	Light Brown	5	15				80	weathered bedrock	moist	evergreen	Mid Slope
1222256	396446	7065223	920	1-Aug-11	20-30	c	Light Brown	5	10				85	weathered bedrock	moist	evergreen	Mid Slope
1222257	396481	7065192	910	1-Aug-11	40-50	c	Light Brown	5					95	weathered bedrock	moist	evergreen	Mid Slope
1222258	396514	7065156	898	1-Aug-11	50-60	c	Light Brown	5	10				85	weathered bedrock	moist	evergreen	Mid Slope
1222259	396542	7065118	895	1-Aug-11	30-40	c	light grey	5	5				90	weathered bedrock	moist	evergreen	Mid Slope
1222260	396585	7065094	885	1-Aug-11	30-40	c	Light Brown	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222261	396631	7065058	881	1-Aug-11	50-60	c	Light Brown	10					90	weathered bedrock	wet	evergreen	Mid Slope
1222262	396654	7065025	880	1-Aug-11	60-70	c	Light Brown	5					95	weathered bedrock	moist	evergreen	Mid Slope
1222263	396691	7064989	874	1-Aug-11	30-40	c	Light Brown	5	10				85	weathered bedrock	moist	evergreen	Mid Slope
1222264	396727	7064957	871	1-Aug-11	30-40	c	Light Brown	5					95	weathered bedrock	moist	evergreen	Mid Slope
1222265	396765	7064922	865	1-Aug-11	40-50	c	light grey	5	5				90	weathered bedrock	moist	evergreen	Mid Slope
1222266	396810	7064893	864	1-Aug-11	40-50	c	light grey	5					95	weathered bedrock	wet	evergreen	Mid Slope
1222267	396840	7064853	859	1-Aug-11	40-50	c	Light Brown	5					95	weathered bedrock	wet	evergreen	Mid Slope
1222268	396879	7064813	856	1-Aug-11	50-60	c	dark grey						100	weathered bedrock	wet	evergreen	Mid Slope
1222269	396920	7064796	854	1-Aug-11	30-40	c	dark grey	15					85	weathered bedrock	wet	evergreen	Mid Slope
1222270	396967	7064763	849	1-Aug-11	30-40	c	light grey	5	5				90	weathered bedrock	wet	evergreen	Mid Slope
1222271	397013	7064753	847	1-Aug-11	30-40	c	light grey	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222272	397055	7064727	844	1-Aug-11	30-40	c	light grey	5					95	weathered bedrock	moist	evergreen	Mid Slope
1222273	397110	7064704	842	1-Aug-11	30-40	c	lt brown	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222274	397153	7064678	838	1-Aug-11	30-40	c	lt brown	10					90	weathered bedrock	moist	evergreen	Mid Slope
1222275	397196	7064664	838	1-Aug-11	30-40	c	light grey						100	weathered bedrock	moist	evergreen	Mid Slope
1222276	397242	7064639	830	1-Aug-11	30-40	c	light grey	5	5				90	weathered bedrock	moist	evergreen	Mid Slope
1222277	397281	7064635	829	1-Aug-11	30-40	c	light grey	5					95	weathered bedrock	moist	evergreen	Mid Slope
1222278	397333	7064617	822	1-Aug-11	30-40	c	light grey	5	10				85	weathered bedrock	moist	evergreen	Mid Slope
1222279	397384	7064604	814	1-Aug-11	20-30	c	light grey	15	5				80	weathered bedrock	moist	evergreen	Mid Slope
1222280	397434	7064594	810	1-Aug-11	30-40	c	light grey		10				90	weathered bedrock	wet	evergreen	Mid Slope
1222281	397485	7064585	805	1-Aug-11	30-40	c	light grey		15				85	weathered bedrock	moist	evergreen	Mid Slope
1222282	397529	7064576	796	1-Aug-11	30-40	c	light grey	5	10				85	weathered bedrock	moist	evergreen	Mid Slope
1222283	397575	7064554	788	1-Aug-11	40-50	c	light grey		10				90	weathered bedrock	wet	evergreen	Mid Slope
1222284	397629	7064537	770	1-Aug-11	30-40	c	light grey	10	15				75	weathered bedrock	moist	deciduous	Mid Slope
1222285	397670	7064527	756	1-Aug-11	30-40	c	light grey	5	10				85	weathered bedrock	moist	deciduous	Mid Slope
1222286	397712	7064494	744	1-Aug-11	30-40	c	light grey	10	5				80	weathered bedrock	moist	deciduous	Mid Slope
1222287	397745	7064467	736	1-Aug-11	30-40	c	light grey	20	15				65	weathered bedrock	moist	deciduous	Mid Slope
1222288	397786	7064434	724	1-Aug-11	30-40	c	light grey	10	20				70	weathered bedrock	moist	deciduous	Mid Slope
1222289	397818	7064398	714	1-Aug-11	20-30	c	light grey	10	60				30	weathered bedrock	moist	deciduous	Mid Slope
1222290	397862	7064378	692	1-Aug-11	30-40	c	light grey	5	20				75	weathered bedrock	moist	evergreen	Mid Slope
1222291	397900	7064344	674	1-Aug-11	30-40	c	light grey	15	15				70	weathered bedrock	moist	evergreen	Mid Slope
1222292	397939	7064310	655	1-Aug-11	30-40	c	light grey	5	10				85	talus	moist	evergreen	Mid Slope
1222293	397995	7064285	633	1-Aug-11	30-40	c	light grey	5	10				85	weathered bedrock	moist	evergreen	valley bottom
1222294	398041	7064238	614	1-Aug-11	30-40	c	light grey	20					80	talus	moist	evergreen	valley bottom
1222295	396456	7074986	1152	3-Aug-11	30-40	c	light grey	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222296	399835	7069771	1207	2-Aug-11	30-40	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222297	399845	7069811	1204	2-Aug-11	30-40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222298	399862	7069858	1200	2-Aug-11	30-40	c	dk brown	5	10				85	Weathered Bedrock	Moist	buck brush	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222299	399881	7069908	1197	2-Aug-11	30-40	c	lt grey	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222300	399895	7069953	1192	2-Aug-11	30-40	c	lt grey						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222301	399907	7070004	1187	2-Aug-11	20-30	c	dk brown	10	30				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222302	399922	7070048	1183	2-Aug-11	40-50	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222303	399920	7070099	1179	2-Aug-11	30-40	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222304	399917	7070154	1174	2-Aug-11	30-40	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222305	399905	7070207	1168	2-Aug-11	30-40	c	dk brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222306	399902	7070264	1155	2-Aug-11	30-40	c	dk brown	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222307	399903	7070307	1146	2-Aug-11	30-40	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222308	399885	7070346	1138	2-Aug-11	30-40	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222309	399890	7070404	1134	2-Aug-11	20-30	c	lt grey	20					80	talus	Moist	Evergreen	Mid Slope
1222310	399881	7070445	1124	2-Aug-11	20-30	c	dk brown	40					60	talus	Moist	Evergreen	Mid Slope
1222311	399862	7070512	1100	2-Aug-11	30-40	c	Light Brown	20					80	talus	Dry	Evergreen	Mid Slope
1222312	399862	7070551	1093	2-Aug-11	30-40	c	dk brown	20					80	talus	Moist	buck brush	Mid Slope
1222313	399847	7070596	1084	2-Aug-11	20-30	c	dk brown	30	10				60	talus	Moist	buck brush	Mid Slope
1222314	399845	7070643	1073	2-Aug-11	40-50	c	Light Brown	20	10				70	talus	Moist	buck brush	Mid Slope
1222315	399843	7070699	1062	2-Aug-11	30-40	c	Light Brown	20	10				70	talus	Moist	buck brush	Mid Slope
1222316	399834	7070744	1053	2-Aug-11	40-50	c	dk brown	20					80	talus	Moist	Evergreen	Mid Slope
1222317	399817	7070794	1043	2-Aug-11	30-40	c	dk grey	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222318	399816	7070845	1037	2-Aug-11	30-40	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222319	399818	7070894	1029	2-Aug-11	30-40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222320	399807	7070939	1024	2-Aug-11	30-40	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222321	399817	7070996	1021	2-Aug-11	30-40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222322	399831	7071043	1011	2-Aug-11	20-30	c	Light Brown	20					80	Weathered Bedrock	Moist	buck brush	Mid Slope
1222323	399846	7071086	1004	2-Aug-11	30-40	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222324	399864	7071135	993	2-Aug-11	30-40	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222325	399872	7071188	985	2-Aug-11	30-40	c	dk brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222326	399886	7071225	974	2-Aug-11	40-50	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222327	399888	7071290	958	2-Aug-11	40-50	c	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222328	399909	7071334	949	2-Aug-11	30-40	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222329	399928	7071384	935	2-Aug-11	40-50	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222330	399953	7071437	909	2-Aug-11	40-50	c	Light Brown	20	10				70	Weathered Bedrock	Moist	deciduous	valley bottom
1222331	399981	7071444	890	2-Aug-11	30-40	c	dk brown	50	30				20	Weathered Bedrock	Moist	Evergreen	Valley Bottom
1222332	396409	7074986	1149	3-Aug-11	40	c	light grey	5	30				65	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222333	396354	7074971	1139	3-Aug-11	40	c	light grey	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222334	396309	7074963	1132	3-Aug-11	60	c	light grey	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222335	396260	7074959	1126	3-Aug-11	50	c	dark grey	10	10				80	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222336	396208	7074946	1118	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222337	396154	7074939	1109	3-Aug-11	50	c	Light Brown	10	5				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222338	396109	7074949	1104	3-Aug-11	40	c	Dark Brown	15					85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222339	396062	7074962	1100	3-Aug-11	50	c	Dark Brown	30					70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222340	396009	7074977	1097	3-Aug-11	50	c	light grey		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222341	395973	7074996	1100	3-Aug-11	50	c	light grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222342	395922	7075019	1109	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222343	395873	7075032	1101	3-Aug-11	50	c	light grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222344	395832	7075050	1102	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222345	395780	7075077	1102	3-Aug-11	40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222346	395734	7075094	1100	3-Aug-11	50	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222347	395686	7075117	1099	3-Aug-11	40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222348	395647	7075137	1096	3-Aug-11	50	c	Light Brown	10	5				85	Weathered Bedrock	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222349	395594	7075155	1093	3-Aug-11	50	c	Dark Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222350	395549	7075178	1094	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222351	395509	7075199	1095	3-Aug-11	50	c	light grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222352	395468	7075219	1094	3-Aug-11	40	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222353	395423	7075245	1098	3-Aug-11	30	c	Dark Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222354	395377	7075269	1091	3-Aug-11	30	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222355	395336	7075294	1091	3-Aug-11	40	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222356	395284	7075304	1088	3-Aug-11	40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222357	395242	7075299	1084	3-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222358	395182	7075297	1075	3-Aug-11	30	c	Light Brown	10	10		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222359	395138	7075293	1069	3-Aug-11	50	c	light grey	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222360	395085	7075293	1061	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222361	395040	7075281	1054	3-Aug-11	50	c	light grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222362	394989	7075284	1049	3-Aug-11	50	c	dark grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222363	394930	7075280	1041	3-Aug-11	60	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222364	394891	7075277	1037	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222365	394840	7075267	1030	3-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222366	394788	7075257	1024	3-Aug-11	40	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222367	394745	7075251	1016	3-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222368	394695	7075237	1010	3-Aug-11	50	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222369	394641	7075235	1000	3-Aug-11	50	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222370	394586	7075215	989	3-Aug-11	30	c	Dark Brown	30					70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222371	394549	7075204	983	3-Aug-11	50	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222372	394499	7075192	975	3-Aug-11	50	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222373	394448	7075178	968	3-Aug-11	50	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222374	394402	7075174	957	3-Aug-11	30	c	Dark Brown	50	10				40	Talus	Moist	Evergreen	Mid Slope
1222375	394342	7075141	949	3-Aug-11	40	c	Light Brown	10	5				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222376	394311	7075131	943	3-Aug-11	40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222377	394262	7075113	934	3-Aug-11	40	c	Dark Brown	15	5				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222378	394210	7075144	925	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222379	394188	7075192	919	3-Aug-11	40	c	Dark Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222380	394153	7075228	910	3-Aug-11	50	c	light grey	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222381	394110	7075263	902	3-Aug-11	50	c	dark grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222382	394077	7075311	892	3-Aug-11	50	c	light grey	10					90	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222383	394039	7075332	882	3-Aug-11	50	c	light grey	5	5				90	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222384	393992	7075341	873	3-Aug-11	50	c	Light Brown	5	10				85	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222385	393939	7075363	857	3-Aug-11	50	c	Light Brown	10	15				75	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222386	393888	7075364	842	3-Aug-11	50	c	light grey	10	5				85	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222387	393793	7075318	837	3-Aug-11	40	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222388	393712	7075300	843	3-Aug-11	40	c	Light Brown	30	10				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222389	393715	7075345	849	3-Aug-11	40	c	Light Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222390	393677	7075349	871	3-Aug-11	40	c	Light Brown	10	20				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222391	393689	7075395	870	3-Aug-11	40	c	light grey	10	5				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222392	393710	7075434	868	3-Aug-11	40	c	Dark Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222423	394760	7070058	1398	7-Aug-11	30-40	c	Dark Brown	10	10				80	Talus	Moist	alpine	Ridge Top
1222424	394800	7070014	1376	7-Aug-11	30-40	c	light grey	10	10				80	Talus	Moist	Evergreen Forest	Mid Slope
1222425	394834	7069983	1363	7-Aug-11	40-50	c	Dark Brown	10	10				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222426	394868	7069936	1342	7-Aug-11	30-40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222427	394890	7069894	1330	7-Aug-11	20-30	c	Dark Brown	30					70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222428	394930	7069871	1315	7-Aug-11	30-40	c	Dark Brown	30					70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222429	394958	7069824	1301	7-Aug-11	40-50	c	Dark Brown	20					80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222430	395003	7069785	1283	7-Aug-11	30-40	c	Light Brown	20	10				70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222431	395033	7069744	1272	7-Aug-11	30-40	c	dark grey	30					70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222432	395056	7069707	1259	7-Aug-11	30-40	c	light grey	10	10				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222433	395095	7069672	1245	7-Aug-11	30-40	c	light grey	5	15				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222434	395131	7069643	1229	7-Aug-11	40-50	c	Dark Brown	20	5				75	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222435	395173	7069595	1213	7-Aug-11	40-50	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222436	395204	7069550	1209	7-Aug-11	10-20	c	light grey	15	5				80	Talus	Moist	Evergreen Forest	Mid Slope
1222437	395210	7069508	1211	7-Aug-11	40-50	c	Light Brown		15				85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222438	395224	7069465	1208	7-Aug-11	30-40	c	light grey	10	10				80	Talus	Moist	Evergreen Forest	Mid Slope
1222439	395244	7069414	1204	7-Aug-11	30-40	c	Light Brown		30				70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222440	395277	7069375	1197	7-Aug-11	30-40	c	dark grey	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222441	395292	7069335	1194	7-Aug-11	30-40	c	dark grey	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222442	395317	7069281	1186	7-Aug-11	30-40	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222443	395323	7069236	1183	7-Aug-11	30-40	c	dark grey	5	5				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222444	395378	7069207	1169	7-Aug-11	30-40	c	light grey	5	10				85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222445	395415	7069191	1159	7-Aug-11	30-40	c	Light Brown		15				85	Talus	Moist	Evergreen Forest	Mid Slope
1222446	395458	7069169	1147	7-Aug-11	40-50	c	Light Brown		15				85	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222447	395513	7069145	1130	7-Aug-11	30-40	c	Light Brown		15				85	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222448	395557	7069128	1120	7-Aug-11	30-40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222449	395591	7069106	1111	7-Aug-11	50-60		Light Brown	5	10				85	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222450	395641	7069084	1099	7-Aug-11	50-60		Light Brown	15	5				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222451	395984	7070779	1291	29-Jul-11	40	C	Light Brown		10		30	30	30	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1222452	395964	7070821	1288	29-Jul-11	40	C	Light Brown		30		10	10	50	Talus	Moist	Evergreen Forest	Ridge Top
1222453	395942	7070875	1280	29-Jul-11	50	C	Light Brown		10		10	10	70	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1222454	395921	7070914	1273	29-Jul-11	25	C	Light Brown		20			10	70	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1222455	395935	7070955	1261	29-Jul-11	30	C	Light Grey		10			30	60	Talus	Moist	Evergreen Forest	Ridge Top
1222456	395939	7071013	1248	29-Jul-11	60	C	Light Grey		10			50	40	Talus	Moist	Evergreen Forest	Ridge Top
1222457	395956	7071068	1237	29-Jul-11	30	C	Light Brown		10			20	70	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1222458	395959	7071110	1232	29-Jul-11	30	C	Light Brown		40			20	40	Talus	Moist	Evergreen Forest	Ridge Top
1222459	395974	7071159	1220	29-Jul-11	55	C	Light Brown		10		10	30	50	Talus	Moist	Evergreen Forest	Ridge Top
1222460	395978	7071209	1212	29-Jul-11	40	C	Light Brown		10		0	40	50	Talus	Moist	Evergreen Forest	Ridge Top
1222461	395987	7071258	1205	29-Jul-11	45	C	Light Grey		20		10	10	60	Talus	Moist	Evergreen Forest	Ridge Top
1222462	395999	7071304	1199	29-Jul-11	35	C	yellow-orange		10		30	30	30	Talus	Moist	Evergreen Forest	Ridge Top
1222463	396016	7071359	1188	29-Jul-11	20	C	Light Grey		30		20	10	40	Talus	Moist	Evergreen Forest	Ridge Top
1222464	396030	7071404	1176	29-Jul-11	25	B/C	Dark Brown	10	30		30	10	20	Talus	Moist	Evergreen Forest	Ridge Top
1222465	396046	7071449	1161	29-Jul-11	30	C	Light Brown	0	20		10	10	60	Talus	Moist	Evergreen Forest	Ridge Top
1222466	396059	7071502	1153	29-Jul-11	30	C	Light Brown		20		10	10	50	Talus	Moist	Evergreen Forest	Ridge Top
1222467	396059	7071548	1148	29-Jul-11	30	C	Dark Grey		10		10	10	70	Talus	Moist	Evergreen Forest	Ridge Top
1222468	396087	7071593	1141	29-Jul-11	45	C	Light Brown		20		20	20	40	Talus	Moist	Evergreen Forest	Ridge Top
1222469	396101	7071639	1136	29-Jul-11	40	C	Light Grey		20		10	10	50	Talus	Moist	Evergreen Forest	Ridge Top
1222470	396113	7071689	1131	29-Jul-11	50	C	Light Brown		10		20		70	Talus	Moist	Evergreen Forest	Ridge Top
1222471	396128	7071736	1125	29-Jul-11	30	C	yellow-orange	10	10		20	20	40	Talus	Moist	Evergreen Forest	Ridge Top
1222472	396140	7071773	1117	29-Jul-11	20	B/C	yellow-orange	10	10			30	50	Talus	Moist	Evergreen Forest	Ridge Top
1222473	396152	7071825	1102	29-Jul-11	30	C	Light Brown		10		10	20	60	Talus	Moist	Evergreen Forest	Ridge Top
1222474	396175	7071874	1083	29-Jul-11	40	C	Light Brown		20		10	30	40	Talus	Moist	Evergreen Forest	Ridge Top
1222475	396191	7071934	1061	29-Jul-11	40	C	Dark Grey		10		10	20	60	Talus	Moist	Evergreen Forest	Mid Slope
1222476	396203	7071969	1046	29-Jul-11	60	C	Dark Grey		20			10	70	Talus	Moist	Evergreen Forest	Mid Slope
1222477	396220	7072020	1030	29-Jul-11	60	C	Dark Grey		20			20	60	Talus	Moist	Evergreen Forest	Mid Slope
1222478	396237	7072066	1014	29-Jul-11	40	C	Dark Grey		20		20	20	40	Talus	Moist	Evergreen Forest	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222479	396258	7072116	999	29-Jul-11	40	B/C	Dark Grey	20			10	30	40	Talus	Moist	Evergreen Forest	Mid Slope
1222480	396276	7072160	988	29-Jul-11	40	C	Dark Grey		20		10	10	60	Talus	Moist	Evergreen Forest	Mid Slope
1222481	396292	7072203	978	29-Jul-11	60	C	Dark Grey		10			40	50	Talus	Moist	Evergreen Forest	Mid Slope
1222482	396321	7072258	964	29-Jul-11	40	C	Dark Brown				10	20	70	Talus	Moist	Evergreen Forest	Mid Slope
1222483	396346	7072290	956	29-Jul-11	50	C	Dark Grey	10			10	10	70	Talus	Moist	Evergreen Forest	Mid Slope
1222484	396369	7072345	946	29-Jul-11	40	C	Dark Grey				20	20	60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222485	396385	7072384	938	29-Jul-11	60	C	Dark Grey		20		20	30	30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222486	396402	7072428	931	29-Jul-11	50	C	Dark Grey		20		10	50	20	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222487	396430	7072474	924	29-Jul-11	50	C	Dark Grey		20		20	20	40	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222488	396456	7072515	917	29-Jul-11	45	C	Dark Grey		20		10	10	60	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222489	396507	7072546	911	29-Jul-11	50	C	Dark Brown		20		10	10	60	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222490	396550	7072561	905	29-Jul-11	50	C	Dark Brown		20			10	70	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222491	396594	7072586	896	29-Jul-11	50	C	Dark Brown		10		10	10	70	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222492	396639	7072608	888	29-Jul-11	45	C	Dark Brown		20		10	60	10	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222493	396682	7072628	882	29-Jul-11	60	C	Greenish Grey		10		10	20	60	Weathered Bedrock	Saturated	Evergreen Forest	Valley Bottom
1222494	396706	7072634	881	29-Jul-11	40	C	Greenish Grey		10		20	20	50	Weathered Bedrock	Saturated	Evergreen Forest	Valley Bottom
1222495	394358	7070229	1472	30-Jul-11	20	c	Light Brown		30		10		60	Talus	Moist	Buck Brush	Ridge Top
1222496	394385	7070196	1470	30-Jul-11	35	c	Dark Brown		20		10	30	40	Talus	Moist	Buck Brush	Ridge Top
1222497	394411	7070159	1471	30-Jul-11	40	c	Light Brown		30		20	20	30	Talus	Moist	Buck Brush	Ridge Top
1222498	394443	7070110	1466	30-Jul-11	30	B/C	Dark Brown	20	20		20	10	30	Talus	Moist	Buck Brush	Ridge Top
1222499	394473	7070073	1460	30-Jul-11	40	c	Light Brown		10		20	30	40	Talus	Moist	Buck Brush	Ridge Top
1222500	394499	7070028	1448	30-Jul-11	40	c	Light Brown		30		10	10	50	Talus	Moist	Buck Brush	Ridge Top
1222501	394528	7069993	1440	30-Jul-11	45	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222502	394557	7069950	1426	30-Jul-11	30	c	Light Brown		10		10		80	Talus	Moist	Buck Brush	Ridge Top
1222503	394581	7069903	1410	30-Jul-11	30	c	Light Brown		10		20	10	60	Talus	Moist	Buck Brush	Ridge Top
1222504	394606	7069859	1396	30-Jul-11	50	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222505	394643	7069819	1388	30-Jul-11	50	c	Light Brown		20			20	60	Talus	Moist	Buck Brush	Ridge Top
1222506	394652	7069770	1375	30-Jul-11	40	c	Light Brown		10		10	10	70	Talus	Moist	Buck Brush	Ridge Top
1222507	394667	7069721	1367	30-Jul-11	40	c	Light Grey		30		20	20	30	Talus	Moist	Buck Brush	Ridge Top
1222508	394682	7069675	1359	30-Jul-11	50	c	Light Brown		20		10	20	50	Talus	Moist	Buck Brush	Ridge Top
1222509	394709	7069629	1343	30-Jul-11	45	c	Light Brown		20		20	20	40	Talus	Moist	Buck Brush	Ridge Top
1222510	394708	7069579	1338	30-Jul-11	40	c	Dark Grey		30		30	10	30	Talus	Moist	Buck Brush	Ridge Top
1222511	394725	7069524	1334	30-Jul-11	40	c	Light Brown		10		30	20	40	Talus	Moist	Buck Brush	Ridge Top
1222512	394737	7069486	1331	30-Jul-11	45	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222513	394754	7069438	1332	30-Jul-11	50	c	Light Brown		20		20	20	40	Talus	Moist	Buck Brush	Ridge Top
1222514	394779	7069391	1332	30-Jul-11	35	c	Light Brown		30		30	10	30	Talus	Moist	Buck Brush	Ridge Top
1222515	394789	7069340	1329	30-Jul-11	40	c	Light Brown		30		10	10	50	Talus	Moist	Buck Brush	Ridge Top
1222516	394805	7069293	1326	30-Jul-11	40	c	Light Brown		10			30	60	Talus	Moist	Buck Brush	Ridge Top
1222517	394818	7069251	1326	30-Jul-11	35	c	Light Grey		30		10	10	50	Talus	Moist	Buck Brush	Ridge Top
1222518	394826	7069198	1318	30-Jul-11	30	B/C	Dark Grey	10	30		10	10	40	Talus	Moist	Buck Brush	Ridge Top
1222519	394842	7069153	1314	30-Jul-11	40	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222520	394861	7069111	1312	30-Jul-11	50	c	Light Grey		10		10	10	70	Talus	Moist	Buck Brush	Ridge Top
1222521	394875	7069062	1311	30-Jul-11	30	B/C	Light Brown	10	30		10	10	40	Talus	Moist	Buck Brush	Ridge Top
1222522	394876	7069000	1306	30-Jul-11	35	B/C	Light Brown	10	20		10	10	50	Talus	Moist	Buck Brush	Ridge Top
1222523	394873	7068950	1295	30-Jul-11	30	B/C	Dark Brown	20	20		10	10	40	Talus	Moist	Buck Brush	Ridge Top
1222524	394870	7068904	1289	30-Jul-11	50	c	Light Brown		10		20	10	60	Talus	Moist	Buck Brush	Ridge Top
1222525	394858	7068849	1284	30-Jul-11	20	c	Dark Grey		50		10	10	30	Talus	Moist	Buck Brush	Ridge Top
1222526	394851	7068794	1286	30-Jul-11	30	c	Light Brown		40		10	20	40	Talus	Moist	Buck Brush	Ridge Top
1222527	394846	7068746	1281	30-Jul-11	40	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222528	394859	7068707	1280	30-Jul-11	30	c	Dark Grey	10	20		10	10	50	Talus	Moist	Buck Brush	Ridge Top

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222529	394819	7068665	1289	30-Jul-11	40	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222530	394802	7068616	1297	30-Jul-11	35	c	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222531	394773	7068550	1302	30-Jul-11	30	B/C	Light Brown	10	20		10	10	50	Talus	Moist	Buck Brush	Ridge Top
1222532	394773	7068493	1300	30-Jul-11	40	c	Light Brown		20		60		20	Talus	Moist	Buck Brush	Ridge Top
1222533	394795	7068436	1296	30-Jul-11	30	B/C	Light Brown		20		10	10	60	Talus	Moist	Buck Brush	Ridge Top
1222534	394818	7068390	1292	30-Jul-11	30	c	Dark Brown		10		30	30	30	Talus	Moist	Buck Brush	Ridge Top
1222535	394795	7068349	1289	30-Jul-11	40	c	Light Brown		10		30	10	50	Talus	Moist	Buck Brush	Ridge Top
1222536	394772	7068299	1283	30-Jul-11	30	c	Light Brown		30		20	20	30	Talus	Moist	Buck Brush	Ridge Top
1222537	394760	7068269	1281	30-Jul-11	40	c	Greenish Grey		50		10	10	30	Talus	Moist	Buck Brush	Ridge Top
1222538	394756	7068210	1282	30-Jul-11	50	c	Light Brown		20		20	10	50	Talus	Moist	Buck Brush	Ridge Top
1222539	394751	7068164	1283	30-Jul-11	60	c	Light Brown		10		60		30	Talus	Moist	Buck Brush	Ridge Top
1222540	394763	7068117	1287	30-Jul-11	45	c	Light Brown		30		40		30	Talus	Moist	Buck Brush	Ridge Top
1222541	394801	7068087	1290	30-Jul-11	30	c	Light Brown		10		20	20	50	Talus	Moist	Buck Brush	Ridge Top
1222542	394803	7068018	1300	30-Jul-11	40	c	Light Brown		20		20	20	40	Talus	Moist	Buck Brush	Ridge Top
1222543	394855	7067945	1301	30-Jul-11	45	c	Light Brown		30		20	20	30	Talus	Moist	Buck Brush	Ridge Top
1222544	394883	7067901	1304	30-Jul-11	30	c	Light Brown		20		20	10	50	Talus	Moist	Buck Brush	Ridge Top
1222545	394907	7067855	1302	30-Jul-11	30	c	Light Brown		10		20		70	Talus	Moist	Buck Brush	Ridge Top
1222546	399635	7069554	1249	31-Jul-11	50	C	Light Brown		10		30	20	40	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top
1222547	399592	7069563	1247	31-Jul-11	45	C	Light Brown		20		10		70	Talus	Moist	Buck Brush	Ridge Top
1222548	399635	7069571	1248	31-Jul-11	50	C	Light Brown		20		20	20	40	Talus	Moist	Buck Brush	Ridge Top
1222549	399664	7069551	1245	31-Jul-11	40	C	yellow-orange		10		10	20	60	Talus	Moist	Evergreen Forest	Ridge Top
1222550	399116	7068699	1099	31-Jul-11	45	C	Light Brown		10		10	20	60	Weathered Bedrock	Moist	Buck Brush	Ridge Top
1222551	399069	7068673	1093	31-Jul-11	40	C	Light Brown		20		20	10	50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222552	398994	7068610	1084	31-Jul-11	50	C	Light Brown		10		0	40	50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222553	398921	7068474	1072	31-Jul-11	40	C	Light Brown		10		10	30	30	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222554	398777	7067708	1026	31-Jul-11	50	C	Light Brown		20		20	20	40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222555	398810	7067666		31-Jul-11	70	C	Dark Grey					20	80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222556	399691	7069274	1222	1-Aug-11	40	C	Light Brown				50		50	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222557	399651	7069245	1219	1-Aug-11	45	C	Light Brown				50		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222558	399608	7069208	1209	1-Aug-11	45	C	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222559	399574	7069168	1202	1-Aug-11	35	C	Light Brown				20	10	70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222560	399533	7069133	1193	1-Aug-11	30	C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222561	399498	7069096	1185	1-Aug-11	40	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222562	399475	7069044	1175	1-Aug-11	60	C	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222563	399439	7069007	1166	1-Aug-11	45	C	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222564	399403	7068967	1155	1-Aug-11	50	C	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222565	399372	7068927	1145	1-Aug-11	50	C	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222566	399340	7068891	1137	1-Aug-11	40	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222567	399296	7068859	1131	1-Aug-11	50	C	Light Brown		20				80	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222568	399256	7068818	1121	1-Aug-11	35	C	Light Brown				50		50	Weathered Bedrock	dry	Evergreen Forest	Mid Slope
1222569	399231	7068779	1114	1-Aug-11	35	C	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222570	399192	7068744	1109	1-Aug-11	50	C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222571	399147	7068716	1103	1-Aug-11	45	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222572	399098	7068693	1098	1-Aug-11	40	C	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222573	399058	7068660	1092	1-Aug-11	35	C	Light Brown		15		15		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222574	399013	7068622	1087	1-Aug-11	50	C	Light Brown		10		20		70	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222575	398983	7068576	1082	1-Aug-11	50	C	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222576	398961	7068533	1077	1-Aug-11	40	C	Light Brown		30		20		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222577	398940	7068489	1073	1-Aug-11	25	B/C	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222578	398916	7068446	1069	1-Aug-11	25	B/C	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222579	398888	7068405	1067	1-Aug-11	40	C	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222580	398866	7068358	1064	1-Aug-11	40	C	Light Brown				20	20	60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222581	398838	7068313	1059	1-Aug-11	45	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222582	398803	7068271	1058	1-Aug-11	50	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222583	398776	7068226	1055	1-Aug-11	35	C	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222584	398746	7068178	1058	1-Aug-11	45	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222585	398715	7068112	1058	1-Aug-11	30	C	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222586	398702	7068065	1057	1-Aug-11	30	C	Light Brown				50		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222587	398680	7068013	1056	1-Aug-11	45	C	Light Brown		10		20		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222588	398670	7067962	1054	1-Aug-11	35	C	Light Brown		40		20		40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222589	398682	7067912	1051	1-Aug-11	40	C	Light Brown				50		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222590	398715	7067865	1047	1-Aug-11	45	C	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222591	398730	7067819	1042	1-Aug-11	45	C	Light Brown		20		30		50	Weathered Bedrock	Moist	Evergreen	Valley Bottom
1222592	398760	7067778	1036	1-Aug-11	35	C	Light Brown		20		10		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222593	398790	7067737	1032	1-Aug-11	45	C	lt grey		40		30		30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222594	398796	7067684	1022	1-Aug-11	35	C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222595	398816	7067635	1016	1-Aug-11	50	C	lt grey				20	30	50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222596	398829	7067582	1006	1-Aug-11	35	C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222597	398852	7067527	996	1-Aug-11	65	C	Olive Grey		30			30	40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222598	398859	7067474	990	1-Aug-11	55	C	dk grey		20				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222599	398854	7067418	980	1-Aug-11	55	C	lt grey		40				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222600	398855	7067364	972	1-Aug-11	50	C	lt grey		40				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222601	398864	7067313	966	1-Aug-11	45	C	Olive Grey		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222602	398880	7067257	960	1-Aug-11	40	C	Greenish Grey		20		30		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222603	398904	7067211	954	1-Aug-11	80	C	Greenish Grey				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222604	398904	7067160	953	1-Aug-11	75	C	Greenish Grey				10		90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222605	398902	7067115	951	1-Aug-11	40	C	Greenish Grey					10	90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222606	398898	7067063	951	1-Aug-11	45	C	Light Brown		30		20		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222607	398898	7067014	950	1-Aug-11	35	C	Light Brown		20		40		40	Weathered Bedrock	dry	Evergreen	Mid Slope
1222608	398878	7066964	947	1-Aug-11	35	C	Light Brown				30		70	Weathered Bedrock	dry	Evergreen	Mid Slope
1222609	398867	7066913	946	1-Aug-11	55	C	Light Brown				10	20	70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222610	398850	7066867	943	1-Aug-11	50	C	Light Brown				20	20	60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222611	399684	7069549	1241	2-Aug-11	60	c	Light Brown		5		15	20	60	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222612	399723	7069523	1236	2-Aug-11	40	c	Light Brown		30		20		50	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222613	399760	7069488	1232	2-Aug-11	70	c	Light Brown		10		40		50	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222614	399808	7069468	1226	2-Aug-11	60	c	Light Brown		10		10	30	50	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222615	399853	7069442	1223	2-Aug-11	55	c	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222616	399895	7069421	1218	2-Aug-11	45	c	Light Brown				50		50	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222617	399931	7069387	1215	2-Aug-11	40	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222618	399972	7069362	1211	2-Aug-11	40	c	Light Brown		10		50		40	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222619	400009	7069331	1208	2-Aug-11	50	c	Light Brown				20	20	60	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222620	400054	7069298	1205	2-Aug-11	55	c	Light Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222621	400102	7069273	1201	2-Aug-11	55	c	Light Brown		10		20	20	50	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222622	400126	7069244	1199	2-Aug-11	50	c	Light Brown				50		50	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222623	400158	7069201	1196	2-Aug-11	35	c	Light Brown				60		40	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222624	400189	7069154	1193	2-Aug-11	40	c	Light Brown				10	10	80	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222625	400210	7069113	1191	2-Aug-11	50	c	Light Brown		10		30	30	30	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222626	400243	7069073	1186	2-Aug-11	55	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222627	400261	7069031	1181	2-Aug-11	40	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen	Ridge Top
1222628	400273	7068978	1174	2-Aug-11	60	c	Light Brown		50		20		30	Weathered Bedrock	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222629	400278	7068932	1166	2-Aug-11	60	c	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222630	400285	7068878	1159	2-Aug-11	60	c	Light Brown					20	80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222631	400291	7068838	1154	2-Aug-11	80	c	Dark Brown		20		20	20	40	Weathered Bedrock	Saturated	Evergreen	Mid Slope
1222632	400304	7068733	1143	2-Aug-11	60	c	Dark Brown		20		10	40	30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222633	400319	7068632	1134	2-Aug-11	40	c	Light Brown		20		25		55	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222634	400297	7068534	1119	2-Aug-11	45	c	Dark Brown		30		20	20	30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222635	400292	7068435	1106	2-Aug-11	50	c	Light Brown		30		10	20	40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222636	400274	7068330	1091	2-Aug-11	55	c	Light Brown		20		50		30	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222637	400259	7068238	1079	2-Aug-11	50	c	Dark Brown		20		10		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222638	400229	7068141	1064	2-Aug-11	50	c	Dark Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222639	400209	7068043	1051	2-Aug-11	45	c	light grey		10		40		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222640	400178	7067948	1035	2-Aug-11	70	c	light grey					30	70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222641	400153	7067845	1023	2-Aug-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222642	400131	7067762	1010	2-Aug-11	30	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222643	400086	7067663	995	2-Aug-11	70	c	Dark Grey		20		20	20	40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222644	400032	7067583	979	2-Aug-11	70	c	Dark Grey		20		10		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222645	399985	7067501	963	2-Aug-11	60	c	Dark Grey		20		15		65	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222646	399923	7067424	944	2-Aug-11	50	c	Dark Grey		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222647	399847	7067356	905	2-Aug-11	80	c	Dark Grey		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222648	399764	7067302	870	2-Aug-11	80	c	Dark Grey		20		10	10	60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222649	399686	7067243	828	2-Aug-11	40	c	Dark Grey		50		10	10	30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222650	399632	7067210	800	2-Aug-11	50	c	Dark Grey		40		10	30	20	Weathered Bedrock	Saturated	Evergreen	Mid Slope
1222901	396859	7070288	1247	29-Jul-11	40	B/C	Light Grey		10	30			60	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222902	396904	7070269	1249	29-Jul-11	30	B/C	Light Brown		10		30		60	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1222903	396951	7070252	1245	29-Jul-11	50	B/C	Light Brown		20		30		50	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1222904	396999	7070234	1237	29-Jul-11	40	c	Light Brown			30	30		40	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1222905	397047	7070217	1224	29-Jul-11	45	C	Light Brown		40				60	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1222906	397096	7070200	1210	29-Jul-11	35	C	Light Grey		25		25		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222907	397141	7070187	1201	29-Jul-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222908	397188	7070170	1192	29-Jul-11	45	C	Light Grey			20	20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222909	397233	7070151	1185	29-Jul-11	40	c	Light Brown		10		40		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222910	397282	7070136	1178	29-Jul-11	40	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222911	397316	7070172	1171	29-Jul-11	45	c	Light Brown		20				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222912	397352	7070207	1160	29-Jul-11	30	c	Light Grey		10		10		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222913	397380	7070247	1151	29-Jul-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222914	397418	7070283	1145	29-Jul-11	50	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222915	397453	7070322	1134	29-Jul-11	40	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222916	397482	7070361	1127	29-Jul-11	50	c	Light Brown		20		10		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222917	397515	7070398	1120	29-Jul-11	40	c	Light Brown		25		20		55	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222918	397548	7070435	1115	29-Jul-11	40	c	Light Brown		20				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222919	397582	7070472	1106	29-Jul-11	35	c	Light Brown		30				70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222920	397614	7070509	1101	29-Jul-11	40	c	Light Brown		30		10		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222921	397648	7070547	1097	29-Jul-11	50	c	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222922	397683	7070583	1091	29-Jul-11	45	c	Light Brown			40	10		50	Weathered Bedrock	Moist	Deciduous Forest	Mid Slope
1222923	397717	7070619	1088	29-Jul-11	35	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222924	397749	7070657	1085	29-Jul-11	40	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222925	397783	7070695	1079	29-Jul-11	40	c	Light Brown		20		40		40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222926	397815	7070734	1070	29-Jul-11	25	B/C	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222927	397849	7070767	1051	29-Jul-11	30	c	Light Brown		10		40		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222928	397883	7070806	1027	29-Jul-11	25	B/C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222929	397914	7070844	1026	29-Jul-11	35	c	Light Grey		50				50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222930	397947	7070883	1006	29-Jul-11	40	c	Dark Brown		40				60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222931	397977	7070923	947	29-Jul-11	25	c	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222932	398011	7070961	955	29-Jul-11	30	B/C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222933	398040	7071000	956	29-Jul-11	60	c	Light Brown		10		30		60	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222934	398075	7071035	942	29-Jul-11	40	B/C	Dark Brown		20		10		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222935	398104	7071079	934	29-Jul-11	55	c	Dark Brown				20	20	60	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222936	398135	7071112	936	29-Jul-11	40	c	Light Brown		30		10		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222937	398171	7071152	938	29-Jul-11	30	c	Light Brown		10		20		70	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222938	398200	7071192	919	29-Jul-11	30	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222939	398232	7071231	898	29-Jul-11	40	c	Light Brown		10		40		50	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1222940	398267	7071268	896	29-Jul-11	70	c	Dark Brown				20		80	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222941	398296	7071308	889	29-Jul-11	25	B/C	Dark Brown				20	20	60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1222942	398328	7071345	855	29-Jul-11	25	B/C	Dark Brown	10	10		20		60	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1222943	398348	7071370	935	29-Jul-11	20	B/C	Dark Brown	10	20		20		50	Talus	Moist	Evergreen Forest	Mid Slope
1223051	395305	7067401	1277	31-Jul-11	30	c	light brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223052	395356	7067397	1262	31-Jul-11	60	c	Light Brown		10		50		40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223053	395406	7067391	1242	31-Jul-11	50	c	Light Brown		10		40		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223054	395456	7067387	1223	31-Jul-11	25	B/C	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223055	395506	7067379	1206	31-Jul-11	35	B/C	Light Brown		30		20		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223056	395554	7067371	1191	31-Jul-11	30	B/C	Light Brown		20		30		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223057	395609	7067370	1174	31-Jul-11	30	c	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223058	395656	7067363	1160	31-Jul-11	50	c	Light Brown		10		40		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223059	395704	7067356	1146	31-Jul-11	40	c	Light Brown		10		30		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223060	395755	7067350	1132	31-Jul-11	35	c	Light Grey		30		20		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223061	395802	7067345	1123	31-Jul-11	40	c	Light Brown		20		10		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223062	395853	7067338	1110	31-Jul-11	40	B/C	Light Brown		20		10		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223063	395900	7067333	1098	31-Jul-11	50	c	Light Brown		30		20		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223064	395953	7067325	1086	31-Jul-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223065	396000	7067320	1074	31-Jul-11	55	c	Light Brown		20				80	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223066	396055	7067319	1063	31-Jul-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223067	396105	7067316	1052	31-Jul-11	40	c	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223068	396150	7067302	1045	31-Jul-11	70	c	Dark Brown				40		60	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223069	396204	7067302	1034	31-Jul-11	50	c	Light Brown				30		70	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223070	396250	7067294	1025	31-Jul-11	40	c	Light Brown		30		30		40	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223071	396300	7067298	1016	31-Jul-11	50	B/C	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope
1223072	396350	7067297	1007	31-Jul-11	60	B/C	Dark Brown				40		60	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1223073	396398	7067308	997	31-Jul-11	40	B/C	Dark Brown				30		70	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1223074	396448	7067315	987	31-Jul-11	50	B/C	Dark Grey				40	10	50	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223075	396498	7067322	976	31-Jul-11	35	B/C	Dark Grey				20		80	Weathered Bedrock	Frozen	Evergreen Forest	Bench
1223076	396547	7067327	967	31-Jul-11	40	B/C	Dark Grey				20	20	60	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223077	396596	7067332	956	31-Jul-11	40	c	Dark Brown		10		30		60	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223078	396646	7067337	940	31-Jul-11	40	B/C	Dark Grey				20	20	60	Weathered Bedrock	Frozen	Evergreen Forest	Mid Slope
1223079	396696	7067344	929	31-Jul-11	40	B/C	Dark Grey				30		70	Weathered Bedrock	Frozen	Evergreen Forest	Bench
1223080	396747	7067352	921	31-Jul-11	30	c	Light Brown		20		20		60	Weathered Bedrock	Saturated	Evergreen Forest	Mid Slope
1223081	398879	7066965	931	2-Aug-11	no data												
1223082	398868	7066915	941	2-Aug-11	no data												
1223083	398854	7066867	941	2-Aug-11	no data												
1223084	398832	7066821	939	2-Aug-11	no data												
1223085	398812	7066771	937	2-Aug-11	no data												

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223086	398787	7066729	938	2-Aug-11	no data												
1223087	398777	7066679	937	2-Aug-11	no data												
1223088	398763	7066631	935	2-Aug-11	no data												
1223089	398762	7066578	933	2-Aug-11	no data												
1223090	398746	7066532	930	2-Aug-11	no data												
1223091	398714	7066489	928	2-Aug-11	no data												
1223092	398687	7066444	926	2-Aug-11	no data												
1223093	398659	7066404	923	2-Aug-11	no data												
1223094	398627	7066365	919	2-Aug-11	no data												
1223095	398617	7066312	917	2-Aug-11	no data												
1223096	398612	7066259	914	2-Aug-11	no data												
1223097	398600	7066210	914	2-Aug-11	no data												
1223098	398571	7066166	910	2-Aug-11	no data												
1223099	398566	7066105	905	2-Aug-11	no data												
1223100	398554	7066046	901	2-Aug-11	no data												
1223101	398534	7065984	896	2-Aug-11	no data												
1223102	398540	7065929	881	2-Aug-11	no data												
1223103	398503	7065876	850	2-Aug-11	no data												
1223104	398475	7065836	830	2-Aug-11	no data												
1223105	398436	7065779	815	2-Aug-11	no data												
1223106	398370	7065736	796	2-Aug-11	no data												
1223107	398330	7065693	780	2-Aug-11	no data												
1223108	398294	7065639	753	2-Aug-11	no data												
1223109	398251	7065582	728	2-Aug-11	no data												
1223110	398219	7065517	704	2-Aug-11	no data												
1223111	398171	7065473	680	2-Aug-11	no data												
1223112	398121	7065436	659	2-Aug-11	no data												
1223113	398089	7065389	636	2-Aug-11	no data												
1223114	398051	7065356	620	2-Aug-11	no data												
1223151	393015	7072280	1298	30-Jul-11	10-20	c	light brown		15				85	weathered bedrock	moist	alpine	ridge top
1223152	393012	7072334	1298	30-Jul-11	10-20	c	Light Brown		5				95	weathered bedrock	moist	alpine	ridge top
1223153	396612	7070368	1246	31-Jul-11	20-30	b/c	Light Brown		20				80	weathered bedrock	moist	evergreen	ridge top
1223154	396624	7070319	1248	31-Jul-11	10-20	c	Light Brown		20				80	weathered bedrock	moist	evergreen	ridge top
1223155	396635	7070264	1249	31-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223156	396642	7070220	1247	31-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223157	396655	7070164	1244	31-Jul-11	30-40	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223158	396682	7070136	1245	31-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223159	396724	7070109	1248	31-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223160	396768	7070081	1250	31-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223161	396815	7070053	1251	31-Jul-11	10-20	c	Light Brown		30				70	weathered bedrock	moist	evergreen	ridge top
1223162	396857	7070003	1248	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	moist	evergreen	ridge top
1223163	396873	7069985	1247	31-Jul-11	30-40	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223164	396872	7069931	1240	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	moist	evergreen	ridge top
1223165	396880	7069885	1233	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223166	396887	7069834	1219	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	ridge top
1223167	396886	7069787	1207	31-Jul-11	10-20	c	Light Brown		5				95	weathered bedrock	moist	evergreen	ridge top
1223168	396887	7069733	1191	31-Jul-11	20-30	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223169	396890	7069683	1178	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	moist	evergreen	mid slope
1223170	396893	7069635	1169	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223171	396897	7069583	1158	31-Jul-11	30-40	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223172	396900	7069534	1146	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223173	396898	7069481	1134	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223174	396900	7069434	1123	31-Jul-11	40-50	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223175	396906	7069384	1106	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223176	396909	7069330	1097	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223177	396911	7069285	1086	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	moist	evergreen	mid slope
1223178	396913	7069232	1078	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	moist	evergreen	mid slope
1223179	396916	7069179	1070	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223180	396910	7069129	1062	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	Moist	evergreen	Mid Slope
1223181	396913	7069078	1055	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	Moist	evergreen	Mid Slope
1223182	396914	7069035	1050	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223183	396910	7068982	1043	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223184	396919	7068936	1038	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223185	396932	7068886	1031	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223186	396948	7068834	1022	31-Jul-11	10-20	c	Light Brown		5				95	weathered bedrock	Moist	evergreen	Mid Slope
1223187	396963	7068792	1014	31-Jul-11	30-40	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223188	396977	7068735	998	31-Jul-11	20-30	c	Light Brown		30				70	weathered bedrock	Moist	evergreen	Mid Slope
1223189	396996	7068694	986	31-Jul-11	10-20	c	Light Brown		20				80	weathered bedrock	Moist	evergreen	Mid Slope
1223190	397009	7068649	977	31-Jul-11	0-10	c	Light Brown		25				75	weathered bedrock	Moist	evergreen	Mid Slope
1223191	397027	7068603	965	31-Jul-11	10-20	c	yellow-orange						100	weathered bedrock	Moist	evergreen	Mid Slope
1223192	397046	7068557	949	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	Moist	evergreen	Mid Slope
1223193	397061	7068512	934	31-Jul-11	10-20	c	Light Brown		15				85	weathered bedrock	Moist	evergreen	Mid Slope
1223194	397082	7068451	910	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223195	397106	7068401	893	31-Jul-11	30-40	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223196	397124	7068371	887	31-Jul-11	10-20	c	Light Brown		20				80	weathered bedrock	Moist	evergreen	Mid Slope
1223197	397141	7068325	862	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223198	397168	7068279	841	31-Jul-11	10-20	c	Light Brown		15				85	weathered bedrock	Moist	evergreen	Mid Slope
1223199	397181	7068236	827	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223200	397195	7068185	815	31-Jul-11	10-20	c	Light Brown		30				70	weathered bedrock	Moist	evergreen	Mid Slope
1223201	397216	7068141	803	31-Jul-11	30--40	c	Light Brown		30				70	weathered bedrock	Moist	evergreen	Mid Slope
1223202	397236	7068094	795	31-Jul-11	50-60	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223203	397257	7068048	786	31-Jul-11	10-20	c	Light Brown		10				90	weathered bedrock	Moist	evergreen	Mid Slope
1223204	397303	7067955	761	31-Jul-11	10-20	c	Light Brown						100	weathered bedrock	Moist	evergreen	Mid Slope
1223205	397395	7067842	723	31-Jul-11	10-20	c	Light Brown		75				25	weathered bedrock	Moist	evergreen	Mid Slope
1223206	397458	7067758	692	31-Jul-11	50-60	c	Light Grey		50				50	weathered bedrock	Moist	evergreen	Mid Slope
1223207	399458	7065488	850	2-Aug-11	10-20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223208	399411	7065456	843	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223209	399375	7065420	838	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223210	399345	7065397	830	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223211	399304	7065355	827	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223212	399268	7065331	822	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223213	399231	7065291	818	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223214	399192	7065263	816	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223215	399150	7065225	813	2-Aug-11	20	c	light brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223216	399113	7065199	816	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223217	399086	7065160	813	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223218	399043	7065128	815	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223219	399003	7065104	815	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223220	398984	7065053	807	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223221	398962	7065006	803	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223222	398941	7064972	801	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223223	398914	7064919	798	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223224	398898	7064877	792	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223225	398875	7064828	793	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223226	398861	7064784	789	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223227	398828	7064734	785	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223228	398812	7064689	782	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223229	398794	7064642	779	2-Aug-11	20	c	light brown		50				50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223230	398774	7064605	777	2-Aug-11	30	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223231	398744	7064559	771	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223232	398731	7064509	766	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223233	398710	7064463	761	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223234	398686	7064424	753	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223235	398668	7064374	753	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223236	398594	7064316	742	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223237	398509	7064257	719	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223238	398428	7064225	693	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223239	398320	7064177	638	2-Aug-11	20	c	Dark Brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223240	398255	7064131	600	2-Aug-11	20	a/b	Light Grey	50					50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223241	394621	7077347	1023	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223242	394666	7077330	1029	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223243	394714	7077300	1030	3-Aug-11	30	c	Light Brown		25				75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223244	394756	7077283	1035	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223245	394805	7077271	1037	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223246	394851	7077245	1034	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223247	394893	7077224	1033	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223248	394941	7077206	1031	3-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223249	394983	7077184	1030	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223250	395029	7077156	1024	3-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223251	395071	7077131	1016	3-Aug-11	30	b/c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223252	395109	7077102	1007	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223253	395161	7077100	1004	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223254	395215	7077088	1002	3-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223255	395259	7077090	1001	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223256	395312	7077080	997	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223257	395354	7077081	992	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223258	395407	7077064	987	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223259	395436	7077025	979	3-Aug-11	20	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223260	395474	7076984	972	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223261	395494	7076940	0	3-Aug-11	40	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223262	395524	7076897	956	3-Aug-11	40	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223263	396351	7075237	1158	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223264	396306	7075241	1156	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223265	396249	7075247	1151	3-Aug-11	10	a	black	100						Weathered Bedrock	Moist	Evergreen	Mid Slope
1223266	396194	7075247	1148	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223267	396158	7075250	1146	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223268	396109	7075247	1146	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223269	396051	7075254	1144	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223270	395989	7075260	1144	3-Aug-11	20	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223271	395956	7075254	1141	3-Aug-11	20	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223272	395908	7075256	1137	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223273	395854	7075272	1131	3-Aug-11	20	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223274	395808	7075279	1126	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223275	395774	7075306	1122	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223276	395773	7075358	1120	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223277	395767	7075404	1116	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223278	395764	7075457	1108	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223279	395754	7075507	1101	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223280	395751	7075553	1096	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223281	395746	7075603	1088	3-Aug-11	30	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223282	395744	7075653	1080	3-Aug-11	40	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223283	395744	7075705	1072	3-Aug-11	40	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223284	395742	7075752	1065	3-Aug-11	30	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223285	395736	7075811	1054	3-Aug-11	30	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223286	395728	7075851	1047	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223287	395732	7075905	1037	3-Aug-11	30	b/c	Light Brown	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223288	395727	7075956	1028	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223289	395721	7076017	1019	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223290	395715	7076050	1012	3-Aug-11	30	b/c	Dark Brown	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223291	395713	7076101	999	3-Aug-11	50	a/b	black	50					50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223292	395707	7076152	988	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223293	395701	7076205	979	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Wet	Evergreen	Mid Slope
1223294	395701	7076250	969	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223295	395701	7076301	958	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223296	395695	7076353	945	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223297	395692	7076403	932	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223298	395690	7076452	921	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223299	395683	7076504	910	3-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223300	395682	7076555	902	3-Aug-11	50	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223301	393108	7071820	1318	1-Aug-11	30	c	Light Brown		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223302	393059	7071796	1303	1-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	moist	evergreen	Mid Slope
1223303	393016	7071775	1292	1-Aug-11	30	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223304	392962	7071760	1283	1-Aug-11	60	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223305	392920	7071734	1277	1-Aug-11	20	c	Light Brown	5					95	Weathered Bedrock	moist	evergreen	Mid Slope
1223306	392873	7071711	1271	1-Aug-11	15	a/b	Light Brown	20					80	Weathered Bedrock	moist	evergreen	Mid Slope
1223307	392829	7071684	1271	1-Aug-11	15	a/b	Light Brown	40					60	Weathered Bedrock	moist	evergreen	Mid Slope
1223308	392781	7071663	1270	1-Aug-11	25	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223309	392753	7071635	1265	1-Aug-11	40	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223310	392704	7071623	1264	1-Aug-11	15	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223311	392639	7071603	1254	1-Aug-11	20	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223312	392575	7071543	1234	1-Aug-11	60	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223313	392532	7071512	1219	1-Aug-11	30	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223314	392481	7071500	1211	1-Aug-11	20	c	Light Brown		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223315	392442	7071469	1208	1-Aug-11	30	c	Light Brown		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223316	392357	7071413	0	1-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	moist	evergreen	Mid Slope
1223317	392279	7071354	1172	1-Aug-11	30	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223318	392180	7071311	1148	1-Aug-11	20	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223319	392095	7071276	1127	1-Aug-11	30	c	Light Brown	10					90	Weathered Bedrock	moist	evergreen	Mid Slope
1223320	391999	7071251	1096	1-Aug-11	30	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223321	391902	7071229	1078	1-Aug-11	40	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223322	391817	7071175	1047	1-Aug-11	30	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223323	391740	7071109	1016	1-Aug-11	30	c	Light Brown						100	Weathered Bedrock	moist	evergreen	Mid Slope
1223324	391660	7071051	987	1-Aug-11	20	c	Light Brown		5				95	Weathered Bedrock	moist	evergreen	Mid Slope
1223325	391595	7070981	948	1-Aug-11	30	c	Light Brown		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223326	391551	7070884	914	1-Aug-11	30	c	lt grey		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223327	391537	7070780	892	1-Aug-11	20	c	lt grey		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223328	391507	7070690	872	1-Aug-11	20	c	lt grey		25				75	Weathered Bedrock	moist	evergreen	Mid Slope
1223329	391492	7070596	854	1-Aug-11	20	c	lt grey		10				90	Weathered Bedrock	moist	evergreen	Mid Slope
1223330	400256	7066182	946	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223331	400216	7066141	942	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223332	400174	7066125	940	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223333	400138	7066089	938	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223334	400100	7066053	936	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223335	400065	7066017	934	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223336	400032	7065985	929	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223337	399991	7065953	924	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223338	399950	7065922	921	2-Aug-11	20	c	light brown		20				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223339	399912	7065891	913	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223340	399879	7065850	913	2-Aug-11	20	c	light brown		20				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223341	399834	7065819	909	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223342	399797	7065785	908	2-Aug-11	20	c	light brown		20				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223343	399762	7065756	904	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223344	399717	7065722	900	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223345	399691	7065688	899	2-Aug-11	20	c	light brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223346	399643	7065663	886	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223347	399613	7065618	879	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223348	399570	7065597	869	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223349	399535	7065557	862	2-Aug-11	20	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223350	399492	7065531	857	2-Aug-11	30	c	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223351	395545	7076852	948	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223352	395569	7076815	938	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223353	395587	7076767	924	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223401	398740	7072856	1143	29-Jul-11	40-50	C	light brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223402	398716	7072813	1134	29-Jul-11	30-40	C	light brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223403	398706	7072767	1126	29-Jul-11	30-40	C	light brown	5	10		5		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223404	398689	7072725	1115	29-Jul-11	30-40	C	light brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223405	398668	7072674	1110	29-Jul-11	30-40	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223406	398652	7072625	1098	29-Jul-11	40-50	C	light brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223407	398628	7072582	1088	29-Jul-11	30-40	C	light brown	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223408	398606	7072535	1074	29-Jul-11	30-40	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223409	398576	7072494	1054	29-Jul-11	40-50	C	light brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223410	398553	7072445	1032	29-Jul-11	40-50	C	light brown	10	10		5		75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223411	398536	7072403	1010	29-Jul-11	40-50	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223412	398514	7072354	994	29-Jul-11	30-40	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223413	398489	7072315	978	29-Jul-11	40-50	C	light brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223414	398455	7072273	970	29-Jul-11	40-50	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223415	398434	7072238	960	29-Jul-11	40-50	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223416	398397	7072199	949	29-Jul-11	30-40	C	light brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223417	398359	7072167	941	29-Jul-11	30-40	C	light brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223418	398318	7072129	935	29-Jul-11	20-30	C	light brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223419	398288	7072093	926	29-Jul-11	40-50	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223420	398257	7072047	914	29-Jul-11	30-40	C	light brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223421	398224	7072011	904	29-Jul-11	20-30	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223422	398220	7071968	895	29-Jul-11	40-50	C	light brown	5	5			10	80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223423	398225	7071916	884	29-Jul-11	30-40	C	light brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223424	398229	7071871	876	29-Jul-11	30-40	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223425	398233	7071818	867	29-Jul-11	40-50	C	light brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223426	398237	7071766	860	29-Jul-11	30-40	C	light brown	5	5		5		85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223427	398235	7071721	851	29-Jul-11	40-50	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223428	398241	7071683	833	29-Jul-11	30-40	C	light brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223429	402279	7072699	1413	30-Jul-11	20-30	C	Dark Brown	90					10	Talus	Moist	Tundra	Ridge Top
1223430	401782	7072338	1199	30-Jul-11	30-40	C	Light Brown	10					90	Talus	Moist	Evergreen Forest	Mid Slope
1223431	401725	7072359	1189	30-Jul-11	30-40	C	Light Brown	10					90	Talus	Moist	Evergreen Forest	Mid Slope
1223432	401524	7072303	1129	30-Jul-11	30-40	C	Dark Brown	50					50	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223433	401445	7072260	1110	30-Jul-11	50-60	C	Dark Brown	30	20				50	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223434	401437	7072218	1102	30-Jul-11	30-40	C	Dark Brown	15	5		5		75	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223435	401352	7072052	1065	30-Jul-11	40-50	C	Dark Brown	10					90	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope
1223436	399596	7069726	1207	2-Aug-11	35	c	Light Brown	5	15				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223437	399581	7069782	1200	2-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223438	399559	7069829	1192	2-Aug-11	35	c	Light Grey	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223439	399544	7069878	1183	2-Aug-11	35	c	Light Grey	15	5				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223440	399520	7069924	1175	2-Aug-11	45	c	Light Grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223441	399503	7069969	1166	2-Aug-11	35	c	Light Grey	5	15				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223442	399484	7070017	1156	2-Aug-11	30	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223443	399467	7070063	1146	2-Aug-11	40	c	Light Brown	10	5				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223444	399446	7070102	1135	2-Aug-11	35	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223445	399427	7070161	1119	2-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223446	399408	7070200	1108	2-Aug-11	35	c	Light Brown	5	10		5		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223447	399390	7070245	1094	2-Aug-11	45	c	Light Brown	10	10		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223448	399363	7070292	1084	2-Aug-11	35	c	Light Brown		5		5		90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223449	399360	7070341	1064	2-Aug-11	40	c	Light Brown	5	5		20		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223450	399336	7070382	1055	2-Aug-11	45	c	Light Brown	5	10			10	75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223451	399323	7070435	1043	2-Aug-11	50	c	Light Brown	10	5			5	80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223452	399325	7070482	1035	2-Aug-11	40	c	Light Brown	5	5		10		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223453	399313	7070536	1028	2-Aug-11	35	c	Light Brown	15	5				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223454	399307	7070580	1013	2-Aug-11	30	c	Light Brown	5	5		5		85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223455	399281	7070618	1005	2-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223456	399239	7070652	999	2-Aug-11	40	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223457	399202	7070690	991	2-Aug-11	35	c	Light Brown	5	5		5		85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223458	399170	7070725	983	2-Aug-11	40	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223459	399150	7070763	972	2-Aug-11	60	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223460	399114	7070817	959	2-Aug-11	40	c	Light Brown	15	5				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223461	399089	7070852	953	2-Aug-11	50	c	Light Brown	10	15				75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223462	399062	7070894	942	2-Aug-11	20	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223463	399031	7070933	937	2-Aug-11	25	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223464	399012	7070980	924	2-Aug-11	40	c	Light Brown	5	15				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223465	398992	7071028	908	2-Aug-11	30	c	Light Brown	10					90	Talus	Moist	Evergreen	Mid Slope
1223466	398972	7071074	878	2-Aug-11	40	c	Light Brown	5	15				80	Talus	Moist	Buck Brush	Mid Slope
1223467	398932	7071158	828	2-Aug-11	30	c	Light Brown	10	10				80	Talus	Moist	Buck Brush	Mid Slope
1223468	398920	7071195	805	2-Aug-11	40	c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Valley Bottom

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223469	397764	7077564	1120	3-Aug-11	40	c	Dark Brown		10				90	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223470	397729	7077527	1121	3-Aug-11	40	c	Light Brown		10				90	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223471	397692	7077492	1121	3-Aug-11	40	c	Light Brown		5				95	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223472	397653	7077461	1111	3-Aug-11	50	c	Light Brown		5				95	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223473	397612	7077425	1098	3-Aug-11	40	c	Light Brown	10	10				80	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223474	397577	7077396	1091	3-Aug-11	50	c	Light Brown		15				85	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223475	397537	7077366	1086	3-Aug-11	60	c	Light Brown						100	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223476	397501	7077322	1080	3-Aug-11	50	c	Light Brown	5	10				85	Weathered Bedrock	artially froze	Evergreen	Mid Slope
1223477	397465	7077295	1074	3-Aug-11	40	c	Light Brown	15	10				75	Weathered Bedrock	Wet	Evergreen	Mid Slope
1223478	397429	7077267	1069	3-Aug-11	40	c	Light Brown	5	15				80	Weathered Bedrock	Wet	Evergreen	Mid Slope
1223479	397388	7077230	1063	3-Aug-11	40	c	Light Brown	5	5			5	85	Weathered Bedrock	Wet	Evergreen	Mid Slope
1223480	397352	7077203	1057	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223481	397311	7077169	1051	3-Aug-11	50	c	Light Brown				40		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223482	397273	7077134	1045	3-Aug-11	50	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223483	397233	7077105	1040	3-Aug-11	40	c	Light Brown	5	5		5		85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223484	397194	7077066	1032	3-Aug-11	50	c	Light Brown				50		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223485	397155	7077035	1020	3-Aug-11	40	c	Light Brown	10	5		30		55	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223486	397120	7077000	1014	3-Aug-11	50	c	Light Brown	5	5		5		85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223487	397083	7076970	1003	3-Aug-11	30	b/c	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223488	397043	7076936	992	3-Aug-11	40	c	Light Brown		10		15		75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223489	397010	7076908	980	3-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223490	396964	7076873	973	3-Aug-11	40	c	Light Brown	5	10		10		75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223491	396933	7076838	966	3-Aug-11	50	c	Light Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223492	396890	7076810	958	3-Aug-11	40	c	Light Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223493	396847	7076794	954	3-Aug-11	40	c	Dark Brown	30					70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223494	396803	7076764	948	3-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223495	396758	7076743	943	3-Aug-11	60	c	Light Brown						100	Weathered Bedrock	Moist	Buck Brush	Mid Slope
1223496	396719	7076720	941	3-Aug-11	50	c	light grey						100	Weathered Bedrock	Moist	Evergreen	Valley Bottom
1223497	396668	7076696	934	3-Aug-11	30	a	Light Brown	50					50	Talus	Moist	Evergreen	Valley Bottom
1223498	396652	7076681	934	3-Aug-11	30	a	Light Brown	40					60	Talus	Moist	Evergreen	Valley Bottom
1223664	394014	7071429	1422	7-Aug-11	10	b/c	Light Brown	50					50	Weathered Bedrock	Moist	alpine	Ridge Top
1223665	394037	7071472	1422	7-Aug-11	10	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223666	394064	7071526	1413	7-Aug-11	10	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223667	394097	7071553	1410	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223668	394118	7071593	1409	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223669	394154	7071635	1401	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223670	394171	7071682	1392	7-Aug-11	15	c	Light Brown	50					50	Weathered Bedrock	Moist	alpine	Ridge Top
1223671	394202	7071724	1387	7-Aug-11	20	c	Light Brown	20					80	Weathered Bedrock	Moist	alpine	Ridge Top
1223672	394221	7071760	1379	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223673	394247	7071804	1367	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223674	394276	7071847	1353	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223675	394310	7071887	1339	7-Aug-11	10	c	Light Brown		20				80	Weathered Bedrock	Moist	alpine	Ridge Top
1223676	394334	7071929	1318	7-Aug-11	15	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223677	394373	7071943	1309	7-Aug-11	20	c	Light Brown	10					90	Weathered Bedrock	Moist	evergreen	Mid Slope
1223678	394427	7071952	1300	7-Aug-11	20-30	b/c	Dark Brown	10					90	Weathered Bedrock	Moist	evergreen	Mid Slope
1223679	394482	7071955	1285	7-Aug-11	50	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223680	394527	7071966	1269	7-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223681	394583	7071976	1252	7-Aug-11	20	c	Dark Brown	50					50	Weathered Bedrock	Moist	evergreen	Mid Slope
1223682	394626	7071978	1237	7-Aug-11	20-30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223683	394677	7071981	1222	7-Aug-11	20-30	c	Light Brown	10					90	Weathered Bedrock	Moist	evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223684	394727	7071990	1208	7-Aug-11	20-30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223685	394776	7071997	1192	7-Aug-11	10-20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223686	394828	7072001	1177	7-Aug-11	10-20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223687	394876	7072009	1164	7-Aug-11	10-20	c	Light Brown		10				90	Weathered Bedrock	Moist	evergreen	Mid Slope
1223688	394925	7072014	1149	7-Aug-11	20-30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223689	394974	7072019	1133	7-Aug-11	60-70	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223690	395029	7072022	1114	7-Aug-11	20-30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223691	395074	7072031	1099	7-Aug-11	20-30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223692	395124	7072039	1083	7-Aug-11	10-20	b/c	Light Brown	10					90	Weathered Bedrock	Moist	evergreen	Mid Slope
1223693	395173	7072041	1066	7-Aug-11	20-30	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223694	395202	7072075	1062	7-Aug-11	10-20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223695	395219	7072119	1063	7-Aug-11	10-20	c	Light Brown	10					90	Weathered Bedrock	Moist	evergreen	Mid Slope
1223696	395236	7072172	1063	7-Aug-11	10-20	c	Light Brown		10				90	Weathered Bedrock	Moist	evergreen	Mid Slope
1223697	395252	7072217	1061	7-Aug-11	30	c	Light Brown	20					80	Weathered Bedrock	Moist	evergreen	Mid Slope
1223698	395269	7072267	1059	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223699	395282	7072310	1058	7-Aug-11	20	c	Light Brown	20					80	Weathered Bedrock	Moist	evergreen	Mid Slope
1223700	395301	7072362	1055	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223701	395322	7072403	1052	7-Aug-11	20	c	Light Brown		5				95	Weathered Bedrock	Moist	evergreen	Mid Slope
1223702	395333	7072455	1051	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223703	395356	7072501	1049	7-Aug-11	20	c	Light Brown	80					20	Weathered Bedrock	Moist	evergreen	Mid Slope
1223704	395368	7072549	1045	7-Aug-11	20	c	Light Brown		5				95	Weathered Bedrock	Moist	evergreen	Mid Slope
1223705	395390	7072595	1035	7-Aug-11	20	c	Light Brown		5				95	Weathered Bedrock	Moist	evergreen	Mid Slope
1223706	395421	7072630	1028	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223707	395441	7072674	1020	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223708	395469	7072719	1008	7-Aug-11	50	c	Dark Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223709	395491	7072766	1001	7-Aug-11	40	c	Dark Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223710	395526	7072801	990	7-Aug-11	30	c	Dark Brown	50					50	Weathered Bedrock	Moist	evergreen	Mid Slope
1223711	395546	7072846	982	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223712	395582	7072888	973	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223713	395622	7072919	964	7-Aug-11	40	c	Dark Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223714	395655	7072955	957	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223715	395690	7072985	950	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223716	395730	7073022	943	7-Aug-11	20	c	lt grey						100	Weathered Bedrock	Moist	evergreen	Mid Slope
1223717	395766	7073049	940	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Valley Bottom
1223718	395811	7073060	936	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	evergreen	Valley Bottom
1223719	395863	7073060	934	7-Aug-11	20	c	lt grey						100	Weathered Bedrock	Wet	evergreen	Valley Bottom
1223720	395914	7073057	932	7-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Wet	evergreen	Valley Bottom

Appendix II: Silt Sample Descriptions

Silt Sample Descriptions

UTM NAD 83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sampler	Medium	Medium depth (m)	Medium width (m)	Bank type	Water colour	Vegetation Cover
1220653	402374	7071846	1058	26-Jul-11	Dan	creek	0.5	2	organics	clear	buck brush
1220654	402144	7071807	1042	26-Jul-11	Dan	creek	0.5	2	organics	clear	buck brush
1220655	397540	7076569	951	3-Aug-11	Dan	creek	0.4	3	organics	clear	buck brush
1220656	397516	7076563	949	3-Aug-11	Dan	creek	0.4	4	organics	clear	buck brush
1220657	397232	7076571	943	3-Aug-11	Dan	creek	0.4	2.5	organics	clear	buck brush
1220658	396952	7076534	937	3-Aug-11	Dan	creek	0.4	4	organics	clear	buck brush
1220659	396580	7076632	929	3-Aug-11	Dan	creek	0.3	1.5	organics	clear	buck brush
1220660	396686	7076829	944	3-Aug-11	Dan	creek	0.4	1	organics	clear	buck brush
1220661	396468	7076612	917	3-Aug-11	Dan	creek	0.1	6	organics	clear	buck brush
1222106	401142	7074592	1218	27-Jul-11	Richard	creek	0.3	2	organics	clear	coniferous
1222107	397999	7065271	597	1-Aug-11	Richard	creek	0.4	3	organics	clear	buck brush
1222108	397992	7065310	598	2-Aug-11	Richard	creek	0.3	0.8	alluvial	clear	buck brush
1222109	398010	7065292	605	2-Aug-11	Richard	creek	0.5	2	organics	clear	buck brush
1222110	398500	7065355	624	2-Aug-11	Richard	creek	0.3	1	organics	clear	buck brush
1222111	399010	7065846	720	2-Aug-11	Richard	creek	0.2	2	organics	clear	deciduous
1222112	399093	7065984	711	3-Aug-11	Richard	creek	0.3	2	mossy	clear	buck brush
1220710	402727	7070772	1317	27-Jul-11	Moses	creek	0.4	2	organics	clear	buck brush
1220711	402646	7070813	1280	27-Jul-11	Moses	creek	0.3	3	organics	clear	buck brush
1220712	402517	7070866	1266	27-Jul-11	Moses	creek	0.5	2	organics	clear	buck brush
1220715	400295	7070736	1000	28-Jul-11	Moses	creek	0.3	2	organics	clear	buck brush
1220716	399624	7067127	783	5-Aug-11	Moses	creek	0.2	2	organics	clear	buck brush
1220717	400060	7066983	807	5-Aug-11	Moses	creek	0.4	1.5	organics	clear	buck brush

Appendix III: Rock Sample Descriptions

Rock Sample Descriptions

UTM NAD 83 Zone 8

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

Sample ID	Easting	Northing	Elevation	Date	Sampler	Description
1204339	403148	7070861	1430	26-Jul-11	Moses	Porphyritic granite with feldpsar phenocrysts and oxidized qtz veining.
1204340	402716	7070785	1313	26-Jul-11	Moses	FLOAT. Granite, oxidized qtz (vein?) material in headwaters of this creek w dissem sulfides and very coarse phenos of plag feldspars on a fine grained gm.
1204341	402727	7070774	1314	26-Jul-11	Moses	FLOAT. Oxidized silicified vein rock with some dissem sulfides.
1204342	396037	7070645	1289	29-Jul-11	Moses	Below treeline. Gossan. Enriched w sulfides (arseno?) or triangular tetrahedrite?, top of intrusive? Pink fg granite.
1204343	396036	7070609	1291	29-Jul-11	Moses	Small, oxidized qtz veins crosscutting highly silicified metaseds(?) Transition zone between metaseds and intrusive
1204344	396111	7070664	1279	29-Jul-11	Moses	Vfg dyke(?) Mafic rock w vfg py and other sulfides. Within this intrusive body (on map). Appears to be in place (not loose) with qtz eyes.
1204345	394530	7070246	1472	30-Jul-11	Moses	FLOAT. Oxidized qtz w remnant sulfides. Host rock has a sugary recrystallized texture w minor sulffides and remnants. Slightly folded.
1204346	394453	7070320	1451	30-Jul-11	Moses	Oxidized qtz veins w vugs, striking 353/12-14/SW. Qtz vein pinches and swells, vein thickness ranges from 1 to 5 inches.
1204347	393944	7071022	1417	30-Jul-11	Moses	Oxidized qtz w rusty vugs striking 028/35 WNW.
1204348	394022	7071266	1429	30-Jul-11	Moses	Gossan. Rock is identical to sample 1204342 frm yesterday w sulfides and has a sugary recrystallized texture, oxidized.
1204349	396693	7070292	1251	31-Jul-11	Moses	FLOAT but not from far. Qtz veinlets (macro) thru a gossan, all rock is loose or float, remnant sulphides, empty cubes in a bluish-grey qtz. Close to contact w metaseds.
1204350	396702	7070398	1240	31-Jul-11	Moses	FLOAT. Highly disseminated sulphides in a silicified fabric of the rock. Arsenopyrites in the cross joints and pyrite disseminated throughout rest of rock.
1220620	402469	7071476	1213	26-Jul-11	Dan	Possible OC, or big 1x2m boulder. Finer grained groundmass with phenos of smokey qtz and plag, no mineralization. GM is feld, qtz, bt, musc.
1220621	399938	7074436	1386	28-Jul-11	Dan	Sample of granite talus in between metased OC, some minor py in these 1cm amphibole aggregates.
1220622	399984	7074169	1387	28-Jul-11	Dan	Baked up metaseds, light brown, fine grained, some purple oxidized Fe, 4mm qtz augens, well foliated schistose texture, about 700 m from granite OC.
1220623	394413	7070255	1481	30-Jul-11	Dan	Flat lying metaseds, innukshuik here. 3-15cm QV, sample is mostly rusty QV w silver-bluish metallics.

Sample ID	Easting	Northing	Elevation	Date	Sampler	Description
1220624	394515	7070122	1471	30-Jul-11	Dan	FLOAT, 4 cm rusty QV, few grains of py with metased/mica schist host.
1220625	394877	7069250	1339	30-Jul-11	Dan	Metased with cubic py pits, but rusted out, limonitic.
1220626	393047	7072122	1313	1-Aug-11	Dan	FLOAT, med grain granite-granodiorite with 2cm rounded inclusion with rusty rim hosting vfg py. Maybe fg amphibole or actinolite? Also some faint larger inclusions as seen in OC earler (pits).
1220627	392968	7072210	1300	1-Aug-11	Dan	FLOAT, similar granite, but differing 5mm grains with rusty rims hosting cpy and py. Grains are bt or amphibole.
1220628	392952	7072348	1303	1-Aug-11	Dan	FLOAT, qtz boulder field amoung metased float. Sample is of qv and seds, very rusty, fg, brown, with rusted out mg py cubes, possibly some bornite.
1220629	392911	7072638	1278	1-Aug-11	Dan	FLOAT, fg-mg granite, but tan/brown rusted, mistakable for seds. Round reaction rim/leaching boundary (silver, mineralized), rusted out py cubes.
1220630	397948	7075060	1311	3-Aug-11	Dan	Blast pit 2x2 m. Rusty metaseds, stretched qtz eyes 6mm across (40% of rock), and a QV with fine silver metallics, and possibly some py on rusty edge.
1221800	402618	7073354	1529	26-Jul-11	Richard	Altered sediment/silicidied qtz crysts and few py blebs.
1221801	402186	7073349	1526	26-Jul-11	Richard	Appears to be an altered metasediment w massive arseno, few blebs cpy as well, large boulders, in a NS small boulder field.
1221802	402025	7073365	1534	26-Jul-11	Richard	Large boulder (pix) very rusty, hematite, possible arseno, similar to 1221801.
1221803	401887	7073291	1499	26-Jul-11	Richard	OC, altered seds intercalated QV, bull but rusty, silicified.
1221804	401792	7073161	1474	26-Jul-11	Richard	OC ledge at 50 degs. Altered sed, mica schist w garnets.
1221805	401566	7073383	1431	26-Jul-11	Richard	2x large angular boulder, massive sulphide, silicified seds.
1221806	400213	7075418	1414	27-Jul-11	Richard	Top of ridge (almost) just past north boundary. Suspect near NS trend because of rusted areas and ridge east. Qtz graphite-schist-hematite, minor folitation, malachite(?) cpy+py cubes (fresh).
1221807	401141	7074664	1215	27-Jul-11	Richard	OC 25m ledge, difficult to sample, all rusted out , QV in metasediments.
1221808	401054	7074648	1230	27-Jul-11	Richard	Rock ledge, QV in metaseds, flat lying, well oxidized.
1221809	400781	7074360	1178	27-Jul-11	Richard	Rusty qtz, loose top of seds OC, remnant vein.
1221810	400724	7074232	1178	27-Jul-11	Richard	Contact rock, intrusive-seds with qtz.
1221811	400697	7074109	1178	27-Jul-11	Richard	Vancouver Stock(?), massive, fg, mica+py.

Sample ID	Easting	Northing	Elevation	Date	Sampler	Description
1221812	395351	7070028	1292	29-Jul-11	Richard	QV within altered seds, graphite schist
1221813	394934	7069778	1317	29-Jul-11	Richard	NS train qtz boulders. Malachite on very large boulder, unable to dig out. Mica schist, Fe stain.
1221814	394919	7069765	1318	29-Jul-11	Richard	Outcrop is metasediments, schist, QV, minor foliation, Fe stain.
1221815	394911	7069161		29-Jul-11	Richard	Metaseds, minor foliations, py, graphite schist.
1221816	395382	7066763	1260	29-Jul-11	Richard	OC, 2-3 ft thick QV (brecciated) within metaseds. Well rusted on surface. Hematite-mica-graphite-schist. Py, cpy?
1221817	395386	7066764		29-Jul-11	Richard	Metaseds with red staining, metallics within.
1221818	395386	7066764		29-Jul-11	Richard	Continuation of 1221816, top side of ridge.
1221819	402219	7072488	1337	30-Jul-11	Richard	Boulder runoff; cluster of rusted boulders. Contact rock/replacement material. Py-hem-smokey qtz. Yellow staining.
1221820	402144	7072431	1285	30-Jul-11	Richard	Runoff w boulders. Sign of a VW. Granite w qtz crystals, cpy and bornite inside smokey qtz.
1221821	399664	7069550	1246	31-Jul-11	Richard	Bulked 3 horizons into 1 sample: 1. a calcite-graphite-schist (foliation evident). 2. Fe-rich metaseds. 3. qtz vein material within metaseds. Subcrop.
1221822	399587	7069503	1249	31-Jul-11	Richard	Metasedimentary host . Metamorphosed foliated zone: 90% muscovite, 10% qtz and boudins. Subhedral grains 1-2cm. Rusted=hematite red. Foliation like 1221821.
1221823	399074	7068669	1093	31-Jul-11	Richard	Along old bush road. Treed in till here. FLOAT material. Abundant brecciated QV material. Rusted muscovite/smokey qtz inclusions. Spec: cpy and py.
1221824	399007	7068613	1086	31-Jul-11	Richard	Similar to 1221823 along old road but w bornite.
1221825	398039	7065253	611	1-Aug-11	Richard	Brecciated qtz seam (bed), near horizontal in situ=OC. Vugs/schist/rust, no sulphides.
1221826	398068	7065374	618	1-Aug-11	Richard	Next to large bull qtz boulder. Along old access road. Rusted, yellow stained qtz boulder.
1221827	398416	7065579	719	1-Aug-11	Richard	Very large, >1m qtz boulder off access trail. Vugs/rust.
1221828	398598	7066108	904	1-Aug-11	Richard	Qtz seam within meta-seds. Rusty/vugs/fuchsite?
1221829	397993	7065310	597	2-Aug-11	Richard	FLOAT, well pitted qtz float on old road, carb and hem alteration, near silt 1222108.
1221830	398012	7065291	611	2-Aug-11	Richard	Within 3m of silt 1222109, foliated paragneiss, qtz-eyes, few specs of cpy. Subcrop, many similar boulders, some too large to extract.

Sample ID	Easting	Northing	Elevation	Date	Sampler	Description
1221831	398782	7065521	694	2-Aug-11	Richard	Subcrop, paragneiss with boudins, schistose.
1221832	398865	7065614	674	2-Aug-11	Richard	Qtz boulder, float, rusty qtz crystals, spec py.
1221833	399033	7066226	797	2-Aug-11	Richard	Huge outcrop, paragneiss, boudin inclusions, mica-schist, highly silicified, hard to break.
1221834	399096	7066028	705	3-Aug-11	Richard	Float. Vugy, rusted QV attached to sericite schist, remnant 3-5mm py (stained) fresh 1-3mm py.
1221835	399098	7066037	711	3-Aug-11	Richard	Subcrop. Likely source of 1221834. paragneiss, metaseds, silicified, hard, abundant py, cpy(?) W fuchsite or chlorite halo.
1221836	399121	7066081	717	3-Aug-11	Richard	Subcrop. OC 1m away. Brecciated metaseds, very rusty at place, sericite/schist/ mica/hematite/carbonate. Vugy.
1221837	399302	7066068	775	3-Aug-11	Richard	In situ on northface. Graphite schist, horizontal lying.
1221838	399299	7066065	774	3-Aug-11	Richard	In situ vein on northface. 5ft wide 'breccia' zone. Completely oxidized, black, 200 deg strike.
1221839	399088	7065862	724	3-Aug-11	Richard	Rock face, green schist, hillside is rusted, seems fluids been injected throughout. Foliation at places completely weathered out some places, py? Mica schist.
1221840	399052	7065905	702	3-Aug-11	Richard	Outcrop beside creek. Silicified metaseds, 'high degree' banding still evident. Minor schistosity, near horizontal, few py grains.
1221841	399067	7065919	715	3-Aug-11	Richard	Metaseds, strongly foliated graphite schist, few cubes py, rusty and weathered.
1221846	399419	7066780	794	5-Aug-11	Richard	Contact formation OC, mostly qtz veining, some qtz breccia, good rust on fracture plane.
1221847	399423	7066755	795	5-Aug-11	Richard	QV cross cutting seds, little to no alteration, small spec py, dip 45 east.
1221848	399417	7066739	780	5-Aug-11	Richard	High degree schistosity, rusty qtz within metaseds, py cavities.
1221849	399825	7066909	864	5-Aug-11	Richard	OC on east face, with talus runoff, schist, brecciated QV w schistosity, rusted.
1221850	400122	7067021	823	5-Aug-11	Richard	Sediments/high schistosity 'greenshist'. Heavily oxidized on planes.
1222151	396689	7070387	1244	31-Jul-11	Moses	FLOAT but near in place. Same as sample 1204350 but no observable arsenopyrite.
1222152	396595	7070344	1244	31-Jul-11	Moses	FLOAT but near in place, fg granite with minor sulphides in granite.
1222153	397717	7074862	1340	3-Aug-11	Moses	FLOAT, oxidized sulphides in pockets w manganese inside of qtz. Qtz vein is about 5-6 inches thick.

Sample ID	Easting	Northing	Elevation	Date	Sampler	Description
1222154	397848	7074936	1327	3-Aug-11	Moses	FLOAT, stockwork, thin veinlets of qtz and a bigger 'eye' of qtz w sulphides running through it.
1222155	397850	7074936	1325	3-Aug-11	Moses	Metaseds, pyrites on cross joint? Small sample very heavy, dense.
1222160	399797	7066985	833	5-Aug-11	Moses	Oxidized qtz pinch and swell seam within metaseds. 340/13/SE. varying in thickness, calcite pockets in w qtz. Seam is enclosed in a tightly folded silver-green schist w macro qtz stringers with pyrolusite (Mn).

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-Whitehorse
Received: August 10, 2011
Report Date: September 29, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001042.1

CLIENT JOB INFORMATION

Project: LUG
Shipment ID: LUG1(22-42)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	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
1203436	Soil	1.1	20.9	70.1	169	0.6	17.2	7.8	881	2.26	10.0	8.7	11.8	14	1.5	0.6	2.0	37	0.20	0.089	38
1203437	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1203438	Soil	1.2	21.1	43.6	91	0.4	18.5	7.9	348	2.25	11.3	9.9	8.3	13	0.7	0.8	0.8	41	0.16	0.071	25
1203439	Soil	1.1	14.9	48.7	83	0.4	12.8	4.6	161	2.24	9.1	1.7	4.5	17	0.4	0.5	1.1	41	0.11	0.062	28
1203440	Soil	0.9	18.5	19.7	92	0.3	19.1	8.2	385	2.39	10.1	0.9	8.3	13	0.5	0.7	0.7	43	0.17	0.075	20
1203441	Soil	1.4	21.5	42.3	142	0.4	18.8	9.3	467	2.60	11.4	1.2	7.0	23	1.1	0.7	1.8	45	0.17	0.087	31
1203442	Soil	0.8	12.9	15.5	97	0.1	13.9	6.3	299	1.82	9.0	3.5	5.6	16	0.5	0.6	0.8	34	0.16	0.075	17
1203443	Soil	0.8	14.4	32.0	121	<0.1	16.0	6.3	681	1.96	9.3	<0.5	9.6	34	0.8	0.5	1.2	31	0.19	0.082	32
1203444	Soil	1.3	19.8	34.7	125	0.2	17.7	11.9	888	2.98	14.2	7.8	3.6	12	0.9	0.8	1.7	53	0.09	0.076	39
1203445	Soil	1.2	12.1	29.7	64	0.2	9.8	3.7	136	2.33	12.2	2.3	3.4	10	0.4	0.5	1.6	56	0.06	0.043	27
1203446	Soil	1.0	8.6	11.9	28	0.3	5.9	2.1	69	0.97	4.3	23.3	0.4	8	0.3	0.3	0.5	24	0.05	0.059	11
1203447	Soil	1.2	10.3	18.1	58	0.3	10.1	3.7	135	1.68	8.3	1.5	1.4	12	1.2	0.5	0.7	39	0.10	0.056	18
1203448	Soil	0.9	17.4	15.5	79	0.2	15.8	6.2	254	2.18	10.1	1.7	3.3	13	0.5	0.6	0.8	42	0.16	0.075	17
1203449	Soil	1.1	10.5	13.1	48	0.4	8.4	2.9	92	1.30	5.6	0.9	0.4	12	0.9	0.4	0.7	27	0.09	0.078	14
1203450	Soil	0.7	8.2	14.8	61	0.1	11.3	3.6	104	1.38	4.3	0.8	2.0	10	0.4	0.5	1.1	34	0.10	0.044	15
1220713	Soil	1.3	24.2	42.6	178	0.4	11.6	6.4	825	2.66	9.6	4.2	20.4	19	2.0	0.6	2.0	35	0.21	0.090	31
1220714	Soil	3.0	25.7	58.3	177	0.9	15.3	8.7	1388	4.73	25.4	2.2	22.2	19	4.8	0.9	3.2	38	0.24	0.128	38
1220906	Soil	0.7	16.7	13.8	70	0.2	17.2	6.8	341	2.04	6.8	3.1	7.1	18	0.5	0.5	0.7	37	0.15	0.055	23
1220907	Soil	0.8	17.8	20.5	96	0.3	16.7	7.1	390	2.33	8.6	1.9	6.4	21	0.7	0.6	1.0	41	0.19	0.065	22
1220908	Soil	1.3	21.4	23.9	104	0.3	20.9	8.2	447	2.88	13.0	1.9	3.9	26	0.4	0.8	1.2	50	0.24	0.077	20
1220909	Soil	1.0	21.0	16.4	84	0.2	17.1	8.8	308	2.61	12.2	3.1	4.1	14	0.2	0.7	0.7	45	0.16	0.071	20
1220910	Soil	0.9	20.2	12.2	72	0.1	17.4	6.7	255	2.22	9.8	2.8	4.7	13	0.3	0.7	0.5	40	0.16	0.060	18
1220911	Soil	0.7	10.9	11.6	53	0.1	11.1	4.9	212	1.72	7.6	5.1	1.4	11	0.3	0.4	0.6	36	0.12	0.049	13
1220912	Soil	0.8	17.5	12.7	65	<0.1	16.6	6.7	241	2.26	11.1	1.2	4.1	12	0.2	0.6	0.4	38	0.15	0.067	15
1220913	Soil	0.8	13.8	12.5	58	<0.1	14.2	5.8	245	2.14	8.8	3.3	1.9	10	0.2	0.5	0.3	44	0.11	0.053	14
1220914	Soil	0.8	12.5	10.5	52	<0.1	12.5	5.2	205	1.94	8.0	6.0	2.0	11	<0.1	0.5	0.3	36	0.13	0.050	14
1220915	Soil	1.1	14.1	12.0	64	<0.1	15.0	6.2	288	2.25	9.5	3.1	1.6	11	0.3	0.6	0.5	45	0.11	0.047	14
1220916	Soil	0.7	14.2	11.5	57	<0.1	14.0	5.1	186	2.08	8.7	3.6	1.8	12	0.2	0.5	0.3	39	0.13	0.056	15
1220917	Soil	0.7	17.0	12.7	58	<0.1	15.1	5.6	221	2.06	8.1	4.3	2.0	16	0.2	0.5	0.5	37	0.17	0.058	17
1220918	Soil	0.6	13.5	11.7	62	<0.1	12.3	5.8	238	1.96	8.2	4.0	4.3	10	0.2	0.5	0.5	35	0.13	0.057	18

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

Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1203436	Soil	18	0.35	209	0.023	2	1.17	0.005	0.05	7.5	0.05	2.7	0.1	<0.05	5	1.0	<0.2
1203437	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1203438	Soil	23	0.37	162	0.031	2	1.31	0.006	0.04	2.9	0.05	2.6	0.1	<0.05	5	0.7	<0.2
1203439	Soil	19	0.31	153	0.026	<1	1.36	0.008	0.05	4.4	0.06	2.0	0.2	0.09	6	0.8	<0.2
1203440	Soil	22	0.37	147	0.031	1	1.30	0.005	0.05	2.4	0.05	2.4	0.2	<0.05	4	0.5	<0.2
1203441	Soil	23	0.38	228	0.024	<1	1.56	0.008	0.06	3.4	0.05	2.6	0.2	0.05	6	0.8	<0.2
1203442	Soil	16	0.28	80	0.028	<1	0.78	0.007	0.05	3.3	0.03	1.6	0.1	<0.05	3	<0.5	<0.2
1203443	Soil	16	0.29	166	0.012	<1	1.34	0.005	0.05	1.8	0.03	1.8	0.1	<0.05	5	0.8	<0.2
1203444	Soil	25	0.37	142	0.017	<1	2.03	0.007	0.05	2.3	0.06	1.9	0.2	0.05	7	0.9	<0.2
1203445	Soil	21	0.25	94	0.024	<1	1.41	0.005	0.04	2.1	0.06	1.7	0.1	0.05	8	0.9	<0.2
1203446	Soil	12	0.10	73	0.011	2	0.66	0.008	0.04	1.2	0.06	0.5	0.1	0.09	4	0.5	<0.2
1203447	Soil	17	0.23	164	0.023	<1	0.89	0.005	0.04	1.8	0.04	1.3	0.1	<0.05	5	0.9	<0.2
1203448	Soil	20	0.32	111	0.024	<1	1.05	0.010	0.04	2.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1203449	Soil	15	0.17	162	0.012	1	0.74	0.009	0.05	1.5	0.06	0.9	<0.1	0.12	4	0.9	<0.2
1203450	Soil	19	0.32	108	0.018	<1	1.07	0.004	0.04	1.5	0.04	1.3	0.1	<0.05	5	0.7	<0.2
1220713	Soil	13	0.31	337	0.054	<1	1.44	0.010	0.11	3.6	0.02	3.4	0.3	<0.05	8	0.6	<0.2
1220714	Soil	18	0.31	315	0.039	<1	1.33	0.008	0.09	9.5	0.04	3.5	0.2	<0.05	6	1.5	<0.2
1220906	Soil	19	0.34	139	0.029	<1	1.30	0.006	0.06	1.0	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
1220907	Soil	21	0.40	166	0.027	<1	1.58	0.006	0.07	1.0	0.03	2.5	0.2	<0.05	6	0.6	<0.2
1220908	Soil	28	0.42	247	0.025	<1	1.81	0.008	0.08	1.2	0.05	3.3	0.2	<0.05	7	1.4	<0.2
1220909	Soil	25	0.40	146	0.029	<1	1.54	0.007	0.07	0.8	0.04	2.8	0.2	<0.05	6	0.6	<0.2
1220910	Soil	22	0.38	159	0.031	<1	1.41	0.005	0.06	0.8	0.03	2.7	0.1	<0.05	5	0.9	<0.2
1220911	Soil	17	0.31	105	0.022	<1	1.07	0.005	0.04	1.0	0.03	1.5	0.1	<0.05	5	0.8	<0.2
1220912	Soil	20	0.39	118	0.027	<1	1.31	0.006	0.05	0.9	0.03	2.0	0.1	<0.05	4	0.8	<0.2
1220913	Soil	23	0.36	102	0.025	<1	1.35	0.005	0.05	0.5	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
1220914	Soil	19	0.33	93	0.026	<1	1.22	0.005	0.05	0.7	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1220915	Soil	22	0.34	105	0.026	1	1.23	0.005	0.05	0.8	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
1220916	Soil	20	0.32	126	0.026	2	1.21	0.005	0.05	0.8	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
1220917	Soil	19	0.34	204	0.031	1	1.28	0.006	0.05	1.1	0.05	2.1	0.1	<0.05	5	<0.5	<0.2
1220918	Soil	17	0.31	92	0.038	<1	1.20	0.005	0.06	1.5	0.02	2.0	0.2	<0.05	5	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1220919	Soil		0.7	13.2	12.3	56	<0.1	12.5	4.6	170	1.89	8.6	4.8	1.8	10	0.2	0.5	0.5	37	0.11	0.051	17
1220920	Soil		0.7	8.3	11.9	39	<0.1	8.8	3.5	148	1.57	6.4	1.6	0.8	9	0.1	0.4	0.4	34	0.08	0.039	14
1220921	Soil		0.7	14.3	12.0	56	<0.1	12.8	6.2	222	2.03	8.5	1.7	4.2	12	0.2	0.5	0.7	34	0.13	0.051	21
1220922	Soil		0.7	14.5	16.8	53	0.1	10.5	3.4	163	1.89	9.3	2.9	1.0	16	0.3	0.3	1.3	39	0.14	0.059	28
1220923	Soil		0.9	13.9	11.4	27	0.1	7.2	2.3	76	1.07	4.4	0.9	0.3	9	0.2	0.3	0.3	31	0.07	0.048	13
1220924	Soil		0.9	9.0	11.7	39	<0.1	9.2	3.7	160	1.86	8.9	1.8	3.5	8	0.1	0.4	0.4	43	0.08	0.035	15
1220925	Soil		0.8	11.7	15.4	56	<0.1	12.0	6.7	374	2.14	10.3	9.3	3.7	8	0.2	0.5	0.3	35	0.10	0.060	16
1220926	Soil		0.8	10.3	11.1	38	<0.1	9.6	3.6	120	1.85	8.4	18.7	0.7	8	0.2	0.4	0.3	34	0.07	0.054	12
1220927	Soil		0.7	13.1	10.6	56	<0.1	15.8	8.2	304	2.19	10.0	3.4	5.7	8	0.1	0.5	0.2	34	0.11	0.052	12
1220928	Soil		0.7	7.0	10.2	34	<0.1	8.4	3.4	138	1.97	9.6	10.5	2.6	6	0.1	0.4	0.2	40	0.07	0.038	12
1220929	Soil		0.9	11.6	10.7	63	<0.1	11.1	6.8	312	2.30	10.1	2.8	6.5	9	0.1	0.4	0.3	36	0.10	0.043	19
1220930	Soil		0.7	9.4	10.3	39	<0.1	9.2	4.3	178	1.84	8.2	1.1	0.7	9	0.2	0.3	0.2	34	0.09	0.045	12
1220931	Soil		0.8	9.6	9.6	44	<0.1	9.7	3.7	133	1.90	9.0	2.0	1.2	10	0.1	0.4	0.3	37	0.10	0.046	12
1220932	Soil		0.9	9.6	11.7	49	<0.1	8.8	4.8	271	1.89	8.4	3.9	2.1	9	0.2	0.4	0.3	29	0.10	0.055	22
1220933	Soil		0.8	10.2	11.1	51	<0.1	10.4	6.0	282	2.21	10.1	1.7	2.0	9	0.2	0.4	0.3	37	0.11	0.055	14
1220934	Soil		0.6	10.7	9.2	42	<0.1	10.1	3.8	133	1.88	8.5	2.6	1.7	8	0.1	0.4	0.2	34	0.09	0.042	14
1220935	Soil		0.6	8.3	10.0	35	<0.1	6.1	2.0	71	1.43	5.9	1.6	0.4	8	0.1	0.2	0.3	29	0.07	0.044	13
1220936	Soil		0.7	10.2	9.9	48	<0.1	10.5	4.7	205	1.73	7.0	2.7	1.2	11	0.3	0.4	0.2	32	0.11	0.052	16
1220937	Soil		0.8	10.2	8.9	37	0.1	7.5	2.6	106	1.39	6.0	3.1	0.4	10	0.2	0.3	0.2	26	0.09	0.059	13
1220938	Soil		0.7	12.7	10.1	60	<0.1	11.2	3.7	158	1.68	7.3	15.7	3.1	13	1.0	0.4	0.3	34	0.16	0.058	18
1220939	Soil		0.7	16.8	10.7	56	<0.1	19.8	7.8	279	2.00	10.7	11.5	4.4	10	0.2	0.6	0.3	34	0.13	0.050	13
1220940	Soil		0.6	11.6	30.4	60	0.1	13.9	6.6	246	1.87	7.5	6.5	4.7	13	0.3	0.4	0.2	30	0.18	0.064	16
1220941	Soil		0.6	10.9	11.4	54	<0.1	9.6	4.1	195	1.80	7.8	1.7	2.3	9	0.2	0.3	0.5	32	0.11	0.052	21
1220942	Soil		0.6	16.1	10.8	54	<0.1	13.8	6.4	205	2.09	9.6	2.3	5.6	11	0.1	0.4	0.4	34	0.15	0.057	18
1220943	Soil		0.6	10.0	11.7	50	<0.1	10.0	3.7	105	1.82	7.2	2.7	1.0	9	0.2	0.3	0.3	29	0.10	0.047	14
1220944	Soil		0.7	6.4	17.1	69	<0.1	10.0	5.6	342	2.26	8.4	2.0	10.1	8	0.1	0.4	0.2	38	0.12	0.059	19
1220945	Soil		0.9	13.4	13.6	58	<0.1	14.8	9.4	369	2.65	11.3	5.0	10.5	8	0.2	0.5	0.3	42	0.10	0.042	23
1220946	Soil		0.5	12.4	21.8	53	<0.1	11.0	4.1	155	1.84	8.7	2.4	1.0	13	0.3	0.4	0.3	30	0.14	0.058	19
1220947	Soil		0.8	11.4	13.8	66	<0.1	11.5	6.4	329	2.24	11.9	3.0	9.3	13	0.3	0.4	0.3	35	0.20	0.090	31
1220948	Soil		0.7	11.9	12.7	56	<0.1	10.5	4.6	192	1.88	10.1	2.4	2.4	10	0.2	0.4	0.3	32	0.13	0.058	20

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220919	Soil	18	0.29	109	0.029	<1	1.23	0.005	0.06	1.2	0.04	1.5	0.2	<0.05	5	<0.5	<0.2
1220920	Soil	16	0.25	90	0.020	<1	1.02	0.005	0.04	0.8	0.03	0.9	0.1	<0.05	5	0.5	<0.2
1220921	Soil	18	0.32	131	0.025	<1	1.26	0.005	0.06	0.7	0.03	1.8	0.2	<0.05	5	<0.5	<0.2
1220922	Soil	19	0.25	219	0.017	<1	1.49	0.006	0.06	0.7	0.06	1.4	0.2	<0.05	7	1.0	<0.2
1220923	Soil	12	0.12	102	0.011	1	0.80	0.006	0.04	0.3	0.04	0.3	0.1	0.07	5	<0.5	<0.2
1220924	Soil	17	0.24	68	0.036	1	0.96	0.004	0.04	0.6	0.02	1.5	0.1	<0.05	6	0.8	<0.2
1220925	Soil	20	0.31	78	0.021	1	1.31	0.012	0.04	0.9	0.02	1.6	0.1	<0.05	4	0.6	<0.2
1220926	Soil	18	0.24	77	0.016	<1	1.15	0.005	0.04	0.5	0.03	0.9	0.1	<0.05	5	<0.5	<0.2
1220927	Soil	18	0.35	88	0.022	<1	1.34	0.005	0.04	0.6	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1220928	Soil	17	0.23	50	0.024	<1	0.88	0.005	0.03	0.8	0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
1220929	Soil	19	0.31	101	0.025	<1	1.23	0.006	0.05	0.4	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1220930	Soil	18	0.24	73	0.016	<1	1.08	0.005	0.03	0.3	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
1220931	Soil	18	0.26	91	0.014	<1	1.08	0.005	0.03	0.3	0.03	1.1	0.1	<0.05	4	<0.5	<0.2
1220932	Soil	15	0.21	101	0.013	<1	0.93	0.005	0.04	0.6	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
1220933	Soil	19	0.28	88	0.018	<1	1.26	0.005	0.03	0.4	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
1220934	Soil	17	0.25	94	0.018	<1	1.09	0.005	0.03	0.3	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1220935	Soil	14	0.17	82	0.012	<1	0.90	0.005	0.04	0.2	0.02	0.5	0.1	<0.05	5	<0.5	<0.2
1220936	Soil	16	0.23	110	0.019	<1	1.09	0.005	0.05	0.5	0.02	1.0	0.1	<0.05	5	<0.5	<0.2
1220937	Soil	13	0.18	106	0.010	<1	0.83	0.006	0.04	0.3	0.06	0.5	0.1	<0.05	4	<0.5	<0.2
1220938	Soil	15	0.24	146	0.028	<1	0.82	0.007	0.05	0.7	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1220939	Soil	19	0.35	127	0.028	<1	1.09	0.006	0.05	0.5	0.01	2.2	0.1	<0.05	3	<0.5	<0.2
1220940	Soil	17	0.31	146	0.028	<1	0.99	0.005	0.05	0.6	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
1220941	Soil	15	0.26	103	0.027	<1	1.17	0.006	0.10	1.0	0.02	1.4	0.3	<0.05	5	<0.5	<0.2
1220942	Soil	19	0.35	114	0.027	<1	1.35	0.005	0.05	0.8	0.04	2.2	0.1	<0.05	4	<0.5	<0.2
1220943	Soil	16	0.28	105	0.016	<1	1.08	0.005	0.06	0.6	0.04	1.0	0.2	<0.05	4	<0.5	<0.2
1220944	Soil	16	0.31	91	0.063	<1	1.49	0.006	0.22	0.6	0.02	2.5	0.5	<0.05	7	<0.5	<0.2
1220945	Soil	26	0.40	119	0.046	<1	2.31	0.010	0.13	1.1	0.05	3.5	0.4	<0.05	6	<0.5	<0.2
1220946	Soil	16	0.28	146	0.019	<1	1.14	0.005	0.08	1.0	0.03	1.2	0.2	<0.05	4	<0.5	<0.2
1220947	Soil	16	0.34	119	0.040	<1	1.20	0.007	0.14	2.5	0.03	2.2	0.4	<0.05	6	<0.5	<0.2
1220948	Soil	16	0.27	79	0.024	<1	1.10	0.005	0.08	1.1	0.02	1.4	0.2	<0.05	5	<0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1220949	Soil	0.6	12.0	14.2	47	0.1	10.5	4.2	113	1.71	8.6	5.2	0.6	12	0.2	0.3	0.2	30	0.13	0.052	14
1220950	Soil	0.8	11.8	21.7	114	0.2	11.4	6.1	305	1.96	10.7	4.4	3.0	12	0.6	0.4	0.4	31	0.16	0.067	21
1220951	Soil	0.8	6.5	18.3	80	<0.1	8.4	5.6	541	1.95	5.8	10.5	10.2	12	0.3	0.2	0.4	30	0.17	0.068	28
1220952	Soil	0.5	5.1	14.5	64	<0.1	6.7	4.6	454	1.90	4.0	0.7	14.8	12	0.1	0.2	0.5	29	0.24	0.090	32
1220953	Soil	1.1	29.4	7.2	58	<0.1	23.7	10.0	412	3.05	85.6	17.1	4.8	8	0.1	0.6	1.1	27	0.06	0.035	26
1220954	Soil	0.5	4.0	12.5	9	<0.1	2.8	1.0	35	0.50	7.5	1.3	1.8	7	<0.1	0.3	0.4	33	0.05	0.011	16
1220955	Soil	0.7	50.4	6.9	76	0.1	37.8	15.3	386	4.15	46.6	3.8	8.5	9	0.2	0.6	0.4	24	0.04	0.036	37
1220956	Soil	0.6	46.7	27.2	72	0.2	30.6	14.8	488	3.18	28.4	9.1	7.2	11	0.1	0.6	0.3	27	0.12	0.057	25
1220957	Soil	0.7	26.1	10.1	57	<0.1	22.7	10.0	334	2.69	30.3	5.2	3.3	11	0.1	0.5	0.3	35	0.11	0.044	20
1220958	Soil	0.3	30.9	6.9	52	0.1	30.0	8.3	384	3.30	87.8	10.9	12.6	13	<0.1	0.4	1.4	20	0.24	0.053	50
1220959	Soil	0.8	24.5	7.9	66	<0.1	27.3	12.2	426	3.00	48.2	6.9	7.1	9	0.1	0.6	0.5	34	0.08	0.034	25
1220960	Soil	0.6	31.3	6.7	63	<0.1	32.6	13.9	542	3.20	49.8	19.4	7.2	10	<0.1	0.4	0.7	30	0.08	0.037	29
1220961	Soil	1.1	28.7	11.2	69	<0.1	32.5	13.1	409	2.94	21.3	7.5	4.5	15	0.2	0.8	0.5	44	0.18	0.071	20
1220962	Soil	0.7	27.4	7.6	64	<0.1	33.4	13.6	458	3.00	29.2	4.1	7.0	13	<0.1	0.7	0.4	32	0.13	0.050	31
1220963	Soil	1.1	26.2	10.8	68	<0.1	34.4	17.9	507	2.96	27.9	4.8	6.8	14	0.1	0.7	0.3	38	0.15	0.067	22
1220964	Soil	0.7	29.6	12.8	66	0.2	29.7	15.5	751	3.35	28.4	3.2	10.7	13	<0.1	0.4	0.4	27	0.16	0.049	41
1220965	Soil	0.9	23.5	34.0	65	0.3	25.7	8.5	365	2.95	18.0	2.6	8.3	27	0.2	0.5	0.3	36	0.37	0.056	30
1220966	Soil	0.7	22.7	12.9	63	0.1	29.4	13.3	612	3.18	17.3	10.2	9.6	32	<0.1	0.6	0.3	35	0.44	0.049	31
1220967	Soil	0.6	7.2	11.1	23	<0.1	8.1	3.2	110	1.86	10.8	2.7	0.3	12	<0.1	0.4	0.3	45	0.10	0.035	15
1220968	Soil	0.8	25.9	33.7	99	0.3	26.1	12.7	441	2.72	56.9	7.0	5.9	12	0.6	0.5	0.4	34	0.13	0.048	28
1220969	Soil	0.7	13.2	40.8	46	0.1	12.5	5.7	199	1.92	30.7	5.1	1.1	9	0.7	0.4	0.3	34	0.06	0.050	26
1220970	Soil	1.9	23.3	169.8	234	0.5	15.3	6.6	326	2.56	149.8	2.0	1.9	11	1.4	0.7	0.8	51	0.07	0.044	23
1220971	Soil	0.8	19.2	11.8	46	<0.1	16.8	6.5	180	2.13	21.7	3.3	3.2	10	0.1	0.4	0.3	35	0.08	0.057	22
1220972	Soil	0.9	21.4	46.5	79	<0.1	21.3	9.2	453	2.24	20.3	3.1	3.8	16	0.3	0.7	0.2	37	0.17	0.053	20
1220973	Soil	0.8	14.1	27.2	74	<0.1	16.8	6.1	241	2.05	9.9	3.5	1.4	13	0.3	0.4	0.2	42	0.12	0.043	16
1220974	Soil	1.0	12.2	35.3	91	<0.1	17.1	6.8	386	2.34	13.6	2.7	3.1	14	0.3	0.5	0.2	46	0.13	0.040	15
1220975	Soil	1.1	19.5	28.6	94	0.1	21.2	9.1	416	2.79	12.3	3.7	3.7	14	0.4	0.5	0.2	51	0.12	0.049	17
1220976	Soil	0.9	16.2	83.3	114	<0.1	17.7	7.7	363	2.26	17.6	7.0	1.9	15	0.8	0.6	0.2	44	0.15	0.049	16
1220977	Soil	0.8	16.6	11.7	55	<0.1	16.9	5.9	228	2.01	8.8	4.0	1.1	14	<0.1	0.4	0.2	42	0.15	0.045	16
1220978	Soil	0.9	24.1	87.2	115	<0.1	22.7	8.5	387	2.52	12.8	3.2	4.9	16	0.4	0.7	0.2	45	0.18	0.050	19

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

Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220949	Soil	16	0.25	127	0.016	<1	1.05	0.008	0.05	0.6	0.04	0.9	0.2	<0.05	4	<0.5	<0.2
1220950	Soil	17	0.29	124	0.025	<1	1.14	0.006	0.08	1.7	0.03	1.5	0.2	<0.05	5	<0.5	<0.2
1220951	Soil	12	0.32	103	0.048	<1	1.25	0.006	0.20	2.2	<0.01	2.5	0.6	<0.05	8	<0.5	<0.2
1220952	Soil	10	0.31	88	0.048	<1	1.31	0.007	0.26	2.1	0.02	2.6	0.6	<0.05	9	<0.5	<0.2
1220953	Soil	22	0.47	92	0.015	<1	1.42	0.005	0.05	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1220954	Soil	9	0.06	70	0.050	<1	0.68	0.003	0.03	<0.1	0.04	0.7	0.2	<0.05	7	<0.5	<0.2
1220955	Soil	25	0.69	56	0.005	<1	2.13	0.004	0.06	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
1220956	Soil	20	0.55	85	0.022	<1	1.38	0.005	0.05	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1220957	Soil	23	0.47	145	0.021	<1	1.38	0.006	0.05	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1220958	Soil	20	0.39	165	0.006	<1	1.35	0.004	0.10	0.1	0.02	2.6	0.2	<0.05	4	<0.5	<0.2
1220959	Soil	23	0.43	126	0.023	<1	1.39	0.006	0.07	0.4	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1220960	Soil	25	0.64	135	0.021	<1	1.72	0.004	0.09	1.0	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
1220961	Soil	28	0.50	161	0.036	2	1.56	0.006	0.08	0.2	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1220962	Soil	27	0.53	126	0.021	<1	1.39	0.004	0.06	0.3	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1220963	Soil	27	0.50	125	0.031	<1	1.57	0.006	0.08	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1220964	Soil	22	0.44	131	0.010	<1	1.28	0.004	0.07	0.1	0.02	2.4	0.2	<0.05	4	<0.5	<0.2
1220965	Soil	26	0.45	186	0.014	1	1.52	0.007	0.07	0.2	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
1220966	Soil	27	0.47	228	0.018	1	1.49	0.009	0.08	0.1	0.04	3.6	0.2	<0.05	4	0.6	<0.2
1220967	Soil	18	0.19	91	0.021	1	1.01	0.004	0.04	0.2	0.03	0.9	0.2	<0.05	6	0.7	<0.2
1220968	Soil	25	0.52	128	0.023	3	1.39	0.007	0.07	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1220969	Soil	19	0.24	95	0.015	<1	1.17	0.005	0.05	0.1	0.03	1.3	0.1	<0.05	5	<0.5	<0.2
1220970	Soil	24	0.22	117	0.020	<1	1.22	0.005	0.08	0.1	0.03	1.7	0.2	<0.05	6	<0.5	<0.2
1220971	Soil	24	0.35	112	0.016	<1	1.38	0.005	0.06	0.2	0.05	2.1	0.1	<0.05	5	0.7	<0.2
1220972	Soil	26	0.42	169	0.031	<1	1.28	0.007	0.06	0.2	0.03	2.6	<0.1	<0.05	4	0.6	<0.2
1220973	Soil	27	0.41	122	0.028	<1	1.76	0.006	0.07	0.2	0.04	1.9	0.1	<0.05	6	0.6	<0.2
1220974	Soil	29	0.40	128	0.033	<1	1.83	0.009	0.06	0.2	0.03	2.6	0.1	<0.05	6	0.7	<0.2
1220975	Soil	31	0.48	190	0.042	1	2.17	0.007	0.06	0.2	0.04	3.5	0.1	<0.05	6	0.6	<0.2
1220976	Soil	28	0.41	154	0.034	<1	1.84	0.007	0.06	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1220977	Soil	26	0.41	147	0.030	<1	1.65	0.007	0.07	0.1	0.04	1.9	0.1	<0.05	6	<0.5	<0.2
1220978	Soil	29	0.48	201	0.045	<1	1.78	0.007	0.08	0.3	0.03	3.7	0.1	<0.05	5	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1220979	Soil		0.6	12.9	19.1	37	<0.1	11.5	3.3	91	1.53	7.8	<0.5	0.3	10	0.2	0.3	0.2	33	0.08	0.034	13
1220980	Soil		0.7	10.1	16.1	38	0.2	11.0	3.3	104	1.43	8.0	2.2	0.3	10	<0.1	0.3	0.3	30	0.08	0.036	13
1220981	Soil		0.8	19.4	8.9	50	<0.1	17.4	6.9	248	1.96	11.4	7.9	2.0	14	0.1	0.4	0.2	35	0.14	0.058	14
1220982	Soil		0.8	18.0	10.1	49	0.1	17.1	6.2	220	1.94	13.2	1.2	1.5	15	0.1	0.4	0.3	38	0.16	0.054	17
1220983	Soil		0.9	17.1	13.1	52	<0.1	18.1	6.3	177	1.98	14.9	4.2	0.8	15	0.1	0.5	0.3	39	0.17	0.056	14
1220984	Soil		0.7	18.7	20.3	61	0.1	18.0	7.1	253	2.20	16.3	3.6	1.9	15	0.2	0.5	0.3	40	0.18	0.056	15
1220985	Soil		0.9	14.0	14.7	51	<0.1	15.7	5.3	150	1.94	13.6	8.0	0.7	14	<0.1	0.3	0.4	39	0.16	0.055	14
1220986	Soil		0.7	13.9	14.0	54	<0.1	15.6	5.7	192	2.09	15.4	2.4	1.7	14	0.1	0.4	0.3	39	0.16	0.045	13
1220987	Soil		0.6	12.8	7.7	54	<0.1	15.9	6.1	205	2.03	14.4	2.0	1.8	14	<0.1	0.4	0.3	37	0.16	0.042	12
1220988	Soil		0.7	21.0	9.0	52	<0.1	19.5	8.2	337	2.07	14.2	5.8	3.2	18	0.2	0.5	0.2	36	0.22	0.058	14
1220989	Soil		1.1	11.7	12.2	51	0.1	12.4	17.7	1553	2.11	11.5	<0.5	0.2	16	0.3	0.4	0.4	40	0.19	0.097	8
1220990	Soil		0.6	22.6	8.6	62	0.1	20.4	9.1	468	2.47	20.2	20.1	2.9	17	0.1	0.5	1.1	37	0.20	0.056	18
1220991	Soil		0.9	20.4	11.2	72	0.1	18.8	9.9	622	2.48	16.2	17.1	1.9	36	0.2	0.5	1.8	43	0.51	0.060	14
1220992	Soil		0.7	22.0	8.4	71	0.1	22.1	10.5	454	2.68	13.4	7.8	3.5	44	0.2	0.5	1.7	45	0.24	0.061	16
1220993	Soil		0.9	36.5	12.1	79	0.2	34.1	15.2	558	3.42	31.5	10.1	6.0	31	0.2	0.5	2.4	49	0.24	0.040	21
1220994	Soil		1.0	30.8	36.5	86	0.6	29.4	14.4	746	3.19	76.8	3.7	5.7	25	0.2	0.4	1.1	47	0.39	0.038	21
1220995	Soil		0.8	35.1	17.9	83	0.5	29.0	12.8	435	2.98	26.4	4.5	5.0	23	0.3	0.5	1.9	45	0.19	0.051	21
1220996	Soil		1.1	37.0	19.7	80	0.3	34.3	17.2	587	3.54	25.5	27.8	7.2	25	0.2	0.5	1.6	52	0.18	0.048	20
1220997	Soil		0.7	41.9	9.8	81	0.2	38.5	21.0	687	3.85	29.8	9.7	7.7	23	0.1	0.3	2.8	47	0.26	0.029	16
1220998	Soil		0.8	40.9	10.0	70	0.2	32.7	17.3	575	3.43	16.9	11.6	6.3	27	0.2	0.4	3.8	43	0.31	0.042	16
1220999	Soil		0.7	16.8	18.7	63	<0.1	13.6	5.0	193	2.56	19.9	3.4	4.9	7	0.3	0.6	0.3	28	0.06	0.033	22
1221000	Soil		0.7	20.1	11.1	53	<0.1	15.3	6.7	206	2.30	9.4	3.7	3.9	9	0.2	0.5	0.2	29	0.08	0.038	21
1221101	Soil		0.9	13.6	17.1	37	0.6	7.6	3.0	63	1.41	3.8	12.4	0.4	10	0.7	0.3	0.7	22	0.07	0.125	24
1221102	Soil		0.9	8.7	14.1	30	1.0	5.9	2.4	44	1.20	2.6	1.5	0.3	13	1.0	0.3	0.5	14	0.10	0.196	18
1221103	Soil		0.6	5.9	9.4	19	0.2	3.6	1.1	34	0.87	3.6	3.8	0.1	6	0.5	0.2	0.4	20	0.04	0.054	9
1221104	Soil		0.8	10.6	13.7	64	0.1	11.8	6.3	348	2.23	8.8	2.0	4.1	8	0.3	0.5	0.5	36	0.10	0.051	14
1221105	Soil		0.8	11.0	11.0	52	<0.1	12.0	4.8	209	2.07	8.4	2.3	2.1	8	0.3	0.6	0.4	37	0.10	0.045	13
1221106	Soil		0.6	4.7	10.9	19	<0.1	4.0	1.5	59	1.36	6.0	3.9	0.4	5	0.2	0.3	0.5	53	0.04	0.020	12
1221107	Soil		0.6	3.2	9.6	19	<0.1	3.9	1.5	48	1.01	4.9	10.2	0.1	6	<0.1	0.3	0.3	34	0.04	0.025	10
1221108	Soil		0.7	6.3	10.9	36	<0.1	8.2	3.0	121	1.82	7.6	3.6	0.7	7	0.1	0.4	0.4	37	0.06	0.036	13

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220979	Soil	22	0.28	79	0.016	<1	1.20	0.005	0.06	0.2	0.04	0.8	0.1	<0.05	5	<0.5	<0.2
1220980	Soil	21	0.26	82	0.019	<1	1.24	0.005	0.05	0.2	0.06	0.9	0.1	<0.05	5	<0.5	<0.2
1220981	Soil	24	0.36	114	0.028	<1	1.58	0.006	0.05	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1220982	Soil	26	0.37	145	0.030	1	1.60	0.006	0.06	0.2	0.03	2.0	0.1	<0.05	5	1.0	<0.2
1220983	Soil	26	0.38	119	0.027	1	1.56	0.006	0.06	0.2	0.04	1.6	0.1	<0.05	5	0.8	<0.2
1220984	Soil	26	0.41	128	0.033	2	1.56	0.007	0.07	0.3	0.04	2.1	0.1	<0.05	5	0.9	<0.2
1220985	Soil	25	0.39	126	0.025	<1	1.52	0.008	0.06	0.2	0.05	1.5	0.1	<0.05	5	0.9	<0.2
1220986	Soil	24	0.39	116	0.031	1	1.50	0.007	0.05	0.3	0.05	2.0	0.1	<0.05	5	0.6	<0.2
1220987	Soil	23	0.39	112	0.032	<1	1.34	0.007	0.06	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1220988	Soil	22	0.39	167	0.039	2	1.20	0.010	0.07	0.4	0.04	2.6	<0.1	<0.05	4	0.6	<0.2
1220989	Soil	22	0.28	109	0.013	<1	1.09	0.009	0.06	0.1	0.04	0.7	0.1	0.08	6	<0.5	<0.2
1220990	Soil	26	0.42	142	0.026	<1	1.52	0.006	0.10	0.3	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
1220991	Soil	28	0.45	182	0.033	5	1.71	0.010	0.07	0.3	0.04	2.5	0.2	<0.05	6	0.7	<0.2
1220992	Soil	31	0.53	150	0.050	<1	2.07	0.012	0.11	1.3	0.04	3.0	0.2	<0.05	6	<0.5	<0.2
1220993	Soil	38	0.62	200	0.067	1	2.29	0.010	0.20	0.3	0.03	4.0	0.3	<0.05	7	0.5	<0.2
1220994	Soil	34	0.59	210	0.053	1	1.91	0.012	0.14	0.2	0.06	4.2	0.2	<0.05	6	<0.5	<0.2
1220995	Soil	35	0.56	202	0.058	2	1.96	0.011	0.16	0.5	0.04	3.5	0.3	<0.05	6	<0.5	<0.2
1220996	Soil	40	0.70	238	0.102	1	2.31	0.008	0.34	0.3	0.03	4.3	0.4	<0.05	7	<0.5	<0.2
1220997	Soil	41	0.81	226	0.131	1	2.29	0.014	0.58	0.4	0.03	4.7	0.7	<0.05	7	<0.5	<0.2
1220998	Soil	33	0.64	227	0.092	2	2.05	0.012	0.32	0.4	0.04	4.1	0.4	<0.05	6	<0.5	<0.2
1220999	Soil	20	0.43	70	0.014	1	1.31	0.004	0.04	0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1221000	Soil	20	0.40	104	0.019	1	1.24	0.004	0.04	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1221101	Soil	14	0.17	154	0.007	<1	1.12	0.007	0.05	0.9	0.10	0.4	<0.1	0.07	3	0.5	<0.2
1221102	Soil	9	0.09	248	0.002	1	0.70	0.009	0.07	0.5	0.13	0.2	<0.1	0.09	2	<0.5	<0.2
1221103	Soil	10	0.05	61	0.006	2	0.53	0.006	0.02	1.1	0.08	<0.1	<0.1	<0.05	3	<0.5	<0.2
1221104	Soil	20	0.29	67	0.030	1	1.33	0.005	0.04	1.0	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1221105	Soil	18	0.27	64	0.027	1	1.08	0.005	0.03	0.8	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1221106	Soil	14	0.13	36	0.027	<1	0.93	0.003	0.02	0.3	0.03	0.7	0.1	<0.05	6	<0.5	<0.2
1221107	Soil	11	0.12	43	0.014	<1	0.68	0.004	0.02	0.3	0.03	0.3	0.1	<0.05	5	<0.5	<0.2
1221108	Soil	16	0.22	61	0.023	<1	1.01	0.004	0.03	0.6	0.04	0.8	0.1	<0.05	4	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	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
1221109	Soil	0.7	6.4	6.2	30	0.1	6.0	1.9	62	1.03	5.5	5.2	0.1	8	0.2	0.3	0.3	30	0.05	0.036	11
1221110	Soil	0.7	10.4	9.5	53	<0.1	12.6	5.8	243	1.81	8.7	1.8	2.4	9	0.3	0.4	0.3	33	0.10	0.050	15
1221111	Soil	0.5	8.4	5.7	12	<0.1	3.9	1.1	21	0.53	1.8	1.2	0.1	6	0.3	0.2	0.2	18	0.03	0.033	9
1221112	Soil	0.7	7.2	8.4	32	<0.1	7.1	2.8	108	1.31	6.5	11.1	0.3	8	0.2	0.3	0.2	30	0.07	0.040	13
1221113	Soil	0.7	7.6	9.0	28	<0.1	6.3	2.3	69	1.26	5.4	3.3	0.2	6	0.2	0.3	0.3	31	0.05	0.041	11
1221114	Soil	0.6	9.0	8.9	41	<0.1	9.0	3.5	151	1.48	7.2	2.0	0.7	8	0.2	0.4	0.2	31	0.08	0.038	13
1221115	Soil	0.8	12.7	14.5	45	0.1	9.8	3.4	110	1.52	7.4	8.4	0.4	7	0.2	0.4	0.3	31	0.06	0.053	14
1221116	Soil	0.8	15.5	24.3	68	0.1	13.4	5.5	242	1.82	11.3	7.2	1.6	10	0.4	0.4	0.3	33	0.11	0.051	15
1221117	Soil	1.0	23.5	38.0	121	0.2	18.9	7.8	364	2.16	14.7	5.7	5.3	12	0.7	0.4	0.7	35	0.15	0.060	21
1221118	Soil	0.5	22.7	11.0	52	0.1	21.5	9.5	139	2.32	54.5	8.1	6.2	10	<0.1	0.9	0.8	29	0.08	0.032	23
1221119	Soil	0.6	33.5	12.1	69	0.3	30.5	14.0	404	3.93	206.9	4.6	9.5	88	0.3	0.7	0.8	42	0.36	0.045	22
1221120	Soil	0.5	33.8	23.7	93	0.4	24.0	9.1	298	2.87	185.8	3.2	11.6	23	0.6	0.8	1.0	29	0.23	0.050	34
1221121	Soil	0.8	29.2	13.3	61	0.3	26.4	13.4	297	3.09	82.0	4.6	7.0	13	0.1	0.7	0.7	31	0.16	0.043	31
1221122	Soil	0.5	45.0	8.8	66	0.3	24.6	12.3	354	2.71	21.3	5.5	11.7	43	0.2	0.3	0.9	29	0.22	0.035	29
1221123	Soil	0.6	26.2	15.8	69	0.3	26.6	8.9	340	2.45	40.9	3.8	5.1	29	0.3	0.4	0.3	40	0.34	0.037	19
1221124	Soil	0.7	12.9	4.8	44	0.2	7.0	3.4	516	0.71	7.0	1.5	0.5	69	0.9	0.2	0.2	11	1.74	0.090	4
1221125	Soil	0.6	28.5	10.8	58	0.2	24.3	8.8	485	2.41	31.1	3.7	5.5	24	0.2	0.4	0.5	34	0.27	0.034	20
1221126	Soil	0.6	34.4	7.8	59	0.1	26.7	11.0	288	2.93	40.8	10.4	5.0	14	0.1	0.4	2.2	36	0.13	0.042	16
1221127	Soil	0.6	16.6	8.1	59	<0.1	24.8	10.2	349	2.72	16.4	1.9	4.0	8	<0.1	0.4	0.3	40	0.07	0.027	17
1221128	Soil	0.7	73.6	9.7	84	0.2	36.2	17.9	549	4.14	29.6	29.4	9.0	36	0.2	0.3	6.9	42	0.16	0.043	20
1221129	Soil	0.5	43.5	11.2	74	0.2	28.7	16.8	758	2.88	20.3	6.5	6.0	15	0.2	0.4	0.3	39	0.11	0.032	20
1221130	Soil	1.0	10.6	11.0	23	<0.1	9.5	3.7	102	2.13	7.8	2.1	1.4	6	<0.1	0.5	0.3	48	0.04	0.029	12
1221131	Soil	0.9	35.1	11.1	71	0.1	30.7	13.7	341	2.83	14.6	7.3	6.3	29	0.2	0.4	1.4	44	0.20	0.053	21
1221132	Soil	0.7	27.0	9.7	67	0.1	25.1	11.8	453	2.65	12.6	9.2	4.1	26	0.1	0.4	3.7	40	0.19	0.048	15
1221133	Soil	0.6	28.8	10.9	70	0.2	25.9	11.7	309	2.61	16.1	19.5	5.6	24	0.2	0.5	4.7	44	0.24	0.052	18
1221134	Soil	0.9	34.5	10.6	70	0.2	30.4	11.0	331	2.61	12.5	5.1	5.8	25	0.2	0.6	1.6	46	0.31	0.058	19
1221135	Soil	0.7	62.6	9.9	102	0.4	24.6	9.5	530	3.07	12.0	65.6	7.5	29	0.3	0.5	43.7	42	0.50	0.059	21
1221136	Soil	1.1	19.8	10.3	66	<0.1	18.4	8.8	387	2.42	10.5	25.5	2.5	19	0.2	0.5	0.6	46	0.21	0.071	14
1221137	Soil	1.0	31.4	9.3	71	0.2	22.3	9.7	369	2.60	13.4	5.0	2.4	27	0.2	0.5	1.2	43	0.26	0.068	17
1221138	Soil	0.9	27.3	10.2	49	<0.1	15.7	5.7	171	2.31	10.4	4.5	0.5	12	0.1	0.5	4.4	43	0.09	0.047	14

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221109	Soil	12	0.15	61	0.013	1	0.60	0.004	0.03	0.5	0.04	0.4	<0.1	<0.05	4	<0.5	<0.2
1221110	Soil	17	0.26	80	0.026	1	1.05	0.004	0.03	0.8	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1221111	Soil	8	0.05	55	0.008	<1	0.45	0.006	0.02	0.1	0.03	<0.1	<0.1	<0.05	3	<0.5	<0.2
1221112	Soil	14	0.20	73	0.017	<1	0.76	0.004	0.03	0.5	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1221113	Soil	12	0.16	51	0.015	1	0.74	0.004	0.03	0.3	0.04	0.3	0.1	<0.05	4	<0.5	<0.2
1221114	Soil	16	0.20	62	0.020	<1	0.80	0.004	0.03	0.6	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1221115	Soil	17	0.19	80	0.019	<1	0.97	0.006	0.04	0.6	0.05	0.7	0.1	<0.05	4	<0.5	<0.2
1221116	Soil	18	0.27	93	0.030	1	1.06	0.005	0.06	1.0	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1221117	Soil	23	0.36	126	0.049	<1	1.29	0.006	0.11	1.6	0.02	2.0	0.2	<0.05	5	<0.5	<0.2
1221118	Soil	22	0.42	109	0.025	<1	1.41	0.005	0.14	0.2	0.03	2.0	0.3	<0.05	4	<0.5	<0.2
1221119	Soil	34	0.64	149	0.052	<1	2.25	0.055	0.20	0.2	0.03	4.2	0.4	<0.05	7	<0.5	<0.2
1221120	Soil	23	0.38	132	0.011	<1	1.29	0.009	0.12	0.1	0.03	3.6	0.2	<0.05	4	<0.5	<0.2
1221121	Soil	22	0.30	183	0.019	<1	1.16	0.006	0.11	0.2	0.02	2.6	0.2	<0.05	4	<0.5	<0.2
1221122	Soil	27	0.46	120	0.059	<1	1.51	0.014	0.25	0.1	0.02	2.6	0.3	<0.05	5	<0.5	<0.2
1221123	Soil	32	0.50	142	0.041	1	1.75	0.024	0.12	0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1221124	Soil	9	0.09	129	0.012	2	0.44	0.013	0.04	<0.1	0.11	0.5	<0.1	0.27	1	<0.5	<0.2
1221125	Soil	27	0.40	166	0.024	<1	1.59	0.019	0.11	0.2	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
1221126	Soil	29	0.55	128	0.054	<1	1.87	0.006	0.26	0.5	0.04	2.7	0.4	<0.05	6	<0.5	<0.2
1221127	Soil	29	0.56	117	0.076	<1	1.73	0.006	0.35	0.2	0.02	2.3	0.3	<0.05	5	<0.5	<0.2
1221128	Soil	37	0.74	200	0.110	<1	2.14	0.027	0.65	0.5	0.01	3.6	0.6	0.08	7	<0.5	<0.2
1221129	Soil	25	0.53	166	0.069	<1	1.54	0.006	0.28	0.3	0.02	2.8	0.3	<0.05	5	<0.5	<0.2
1221130	Soil	17	0.17	37	0.039	<1	0.81	0.004	0.03	0.2	0.03	1.0	0.1	<0.05	6	<0.5	<0.2
1221131	Soil	37	0.67	212	0.094	<1	2.02	0.009	0.30	0.3	0.04	3.6	0.4	<0.05	6	<0.5	<0.2
1221132	Soil	32	0.52	169	0.065	<1	2.04	0.008	0.23	0.4	0.03	2.7	0.3	<0.05	7	<0.5	<0.2
1221133	Soil	34	0.55	256	0.075	2	2.21	0.011	0.15	0.3	0.02	3.1	0.2	<0.05	6	0.6	<0.2
1221134	Soil	31	0.49	234	0.047	2	2.28	0.015	0.08	0.4	0.05	3.4	0.1	<0.05	6	<0.5	<0.2
1221135	Soil	30	0.46	221	0.050	1	1.55	0.019	0.09	17.7	0.03	3.7	0.1	<0.05	5	0.7	0.6
1221136	Soil	23	0.41	141	0.041	2	1.63	0.008	0.05	1.3	0.06	1.9	0.1	<0.05	5	0.5	<0.2
1221137	Soil	26	0.45	179	0.041	2	1.84	0.010	0.07	0.5	0.04	2.4	0.2	<0.05	6	0.7	<0.2
1221138	Soil	23	0.32	87	0.027	1	1.43	0.006	0.05	1.2	0.03	1.1	0.2	0.05	5	0.7	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	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
1221139	Soil	0.8	32.9	167.9	155	0.4	22.3	9.9	444	2.56	13.5	11.3	3.9	20	1.3	0.6	4.0	42	0.17	0.058	18
1221140	Soil	0.6	32.8	42.6	106	0.2	28.8	15.3	683	2.85	14.6	6.3	6.9	13	1.0	0.5	2.0	40	0.13	0.040	21
1221141	Soil	1.3	17.4	35.1	78	0.3	13.5	4.9	282	2.64	15.6	2.2	1.8	8	0.6	0.5	2.1	52	0.07	0.033	15
1221142	Soil	0.8	29.7	31.8	87	0.2	24.1	10.5	316	2.72	18.0	5.1	4.9	19	0.4	0.6	1.7	47	0.18	0.057	20
1221143	Soil	0.9	12.2	47.4	106	0.3	23.4	5.6	282	2.28	11.9	14.9	3.6	18	2.3	0.3	1.3	63	0.16	0.040	16
1221144	Soil	0.8	32.6	58.7	249	0.6	27.2	9.0	347	2.55	15.9	6.0	5.9	19	1.8	0.6	0.6	45	0.22	0.063	21
1221145	Soil	0.7	33.9	138.2	385	0.8	29.5	10.7	484	2.54	25.4	9.5	6.9	17	2.5	0.6	1.1	45	0.20	0.050	21
1221146	Soil	0.7	44.1	203.7	390	1.9	22.7	6.4	511	2.28	19.8	5.0	4.8	14	2.0	0.6	0.5	41	0.16	0.048	20
1221147	Soil	0.6	29.4	36.5	96	0.2	23.0	9.2	265	2.30	10.0	7.0	4.4	14	0.5	0.4	0.8	40	0.17	0.054	17
1221148	Soil	0.7	42.4	27.5	122	0.4	25.3	8.9	383	2.55	13.1	7.9	4.5	17	0.7	0.5	1.1	46	0.19	0.051	19
1221149	Soil	0.9	30.0	62.4	659	1.5	28.6	9.8	771	3.00	31.2	6.7	4.6	13	5.4	0.5	1.3	56	0.13	0.044	20
1221150	Soil	1.0	11.7	18.3	145	0.8	10.5	3.4	145	1.74	29.0	2.5	2.9	8	0.7	0.5	0.6	60	0.06	0.018	16
1221151	Soil	0.7	28.6	30.9	329	1.1	24.7	9.6	1444	3.01	53.2	5.7	7.6	13	5.5	0.4	1.1	44	0.11	0.029	21
1221152	Soil	0.7	19.6	15.2	164	0.5	21.1	6.6	433	2.29	24.4	4.0	5.1	16	1.5	0.5	0.5	42	0.18	0.057	19
1221153	Soil	0.8	17.7	24.2	239	0.4	17.1	6.4	558	2.46	27.5	5.4	4.1	10	2.0	0.4	1.0	42	0.09	0.038	14
1221154	Soil	1.3	29.2	21.9	182	0.9	15.3	4.5	191	2.19	50.9	5.5	0.2	15	3.9	0.4	1.2	46	0.09	0.080	13
1221155	Soil	0.7	23.5	13.3	102	0.3	20.2	6.2	206	2.26	34.7	7.4	2.3	15	0.5	0.4	0.5	42	0.15	0.045	15
1221156	Soil	1.0	22.5	14.2	92	0.2	20.0	6.5	236	2.46	42.7	3.6	2.3	15	0.5	0.5	0.8	45	0.14	0.050	15
1221157	Soil	0.7	23.9	13.6	85	0.1	21.1	9.3	250	2.34	19.3	4.1	4.9	17	0.3	0.6	0.4	47	0.18	0.057	20
1221158	Soil	0.8	11.2	10.7	43	<0.1	12.9	6.7	190	2.38	10.6	2.3	4.3	10	0.1	0.4	0.2	50	0.10	0.039	15
1221159	Soil	0.8	9.6	11.6	51	<0.1	13.7	5.3	209	2.85	14.2	1.6	5.2	11	0.1	0.5	0.3	53	0.13	0.055	16
1221160	Soil	0.8	13.4	11.1	50	<0.1	15.6	6.7	215	2.47	12.4	3.7	3.1	10	<0.1	0.5	0.2	45	0.10	0.048	14
1221161	Soil	0.8	11.2	12.2	50	<0.1	15.2	6.7	192	2.34	22.0	2.0	5.6	11	0.2	0.4	0.3	49	0.09	0.029	16
1221162	Soil	0.6	23.4	9.8	71	<0.1	21.5	9.9	369	2.66	15.8	4.5	11.9	12	0.3	0.4	0.2	43	0.13	0.046	23
1221163	Soil	0.7	25.6	10.3	79	<0.1	21.3	8.0	241	2.54	19.5	3.3	4.7	12	0.2	0.4	0.2	45	0.12	0.046	19
1221164	Soil	1.7	62.3	13.7	75	0.1	18.6	6.9	232	3.59	33.5	2.3	7.7	13	0.3	0.5	0.4	45	0.09	0.036	23
1221165	Soil	0.8	19.2	10.8	90	<0.1	27.3	12.7	286	2.80	18.4	1.7	6.0	11	0.7	0.5	0.2	45	0.11	0.050	15
1221166	Soil	0.7	22.2	11.0	29	0.2	10.8	3.3	63	1.08	8.3	9.7	0.1	12	2.7	0.2	0.3	24	0.08	0.077	9
1221167	Soil	1.0	22.5	13.0	68	<0.1	24.9	9.6	356	2.95	42.2	2.7	3.2	12	0.7	0.5	0.3	50	0.10	0.041	16
1221168	Soil	0.8	25.4	10.8	47	0.1	13.8	5.4	319	2.15	26.7	2.1	0.3	7	0.3	0.3	0.4	42	0.04	0.069	13

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56th Floor - 100 King Street West
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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221139	Soil	26	0.45	157	0.043	2	1.82	0.006	0.09	4.6	0.04	2.4	0.2	<0.05	5	0.7	<0.2
1221140	Soil	30	0.53	122	0.046	1	1.66	0.005	0.14	2.2	0.02	2.4	0.3	<0.05	5	<0.5	<0.2
1221141	Soil	22	0.25	81	0.026	<1	1.32	0.004	0.07	0.8	0.04	1.3	0.1	<0.05	6	<0.5	<0.2
1221142	Soil	31	0.49	169	0.049	<1	1.78	0.006	0.08	6.2	0.05	3.0	0.3	<0.05	5	0.7	<0.2
1221143	Soil	33	0.70	160	0.153	<1	1.78	0.017	0.20	0.7	0.05	3.1	0.3	<0.05	11	<0.5	<0.2
1221144	Soil	35	0.62	228	0.063	2	1.84	0.007	0.12	0.8	0.04	3.6	0.2	<0.05	5	<0.5	<0.2
1221145	Soil	36	0.69	199	0.081	1	1.97	0.008	0.16	0.9	0.03	3.8	0.3	<0.05	6	<0.5	<0.2
1221146	Soil	30	0.49	180	0.048	1	1.60	0.006	0.09	0.5	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
1221147	Soil	28	0.52	181	0.054	<1	1.81	0.006	0.08	1.3	0.04	2.8	0.2	<0.05	5	<0.5	<0.2
1221148	Soil	31	0.61	187	0.064	1	1.94	0.010	0.09	1.7	0.04	3.1	0.2	<0.05	5	0.6	<0.2
1221149	Soil	37	0.81	243	0.075	2	2.63	0.011	0.13	1.0	0.04	3.0	0.2	<0.05	8	<0.5	<0.2
1221150	Soil	21	0.22	75	0.049	<1	1.35	0.004	0.06	0.3	0.03	1.6	0.2	<0.05	8	<0.5	<0.2
1221151	Soil	32	0.63	188	0.046	1	1.85	0.007	0.10	0.9	0.03	3.5	0.2	<0.05	7	0.9	<0.2
1221152	Soil	27	0.55	139	0.055	2	1.46	0.007	0.08	0.5	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
1221153	Soil	26	0.47	147	0.034	<1	1.61	0.005	0.08	0.5	0.04	2.7	0.2	<0.05	6	<0.5	<0.2
1221154	Soil	25	0.33	141	0.019	2	1.51	0.008	0.08	0.7	0.05	0.9	0.2	<0.05	7	0.6	<0.2
1221155	Soil	27	0.47	158	0.050	<1	1.54	0.007	0.09	0.8	0.03	2.3	0.2	<0.05	5	0.6	<0.2
1221156	Soil	27	0.42	131	0.038	1	1.60	0.006	0.13	0.5	0.03	2.1	0.2	<0.05	6	<0.5	<0.2
1221157	Soil	29	0.49	225	0.058	1	1.70	0.007	0.11	0.4	0.03	3.6	0.2	<0.05	5	0.7	<0.2
1221158	Soil	26	0.37	148	0.040	2	1.78	0.006	0.06	0.2	0.03	2.5	0.2	<0.05	6	0.5	<0.2
1221159	Soil	24	0.42	114	0.059	2	1.56	0.005	0.08	0.2	0.02	2.2	0.2	<0.05	7	0.6	<0.2
1221160	Soil	25	0.36	111	0.038	1	1.48	0.005	0.05	0.2	0.02	2.0	0.2	<0.05	5	0.5	<0.2
1221161	Soil	24	0.36	138	0.049	<1	1.57	0.005	0.08	0.2	0.04	2.2	0.2	<0.05	6	<0.5	<0.2
1221162	Soil	29	0.56	161	0.084	<1	1.62	0.006	0.22	0.3	0.01	3.5	0.4	<0.05	6	<0.5	<0.2
1221163	Soil	29	0.49	135	0.057	2	1.63	0.006	0.16	0.2	0.03	2.8	0.3	<0.05	6	<0.5	<0.2
1221164	Soil	29	0.48	129	0.055	2	1.62	0.008	0.17	0.2	0.03	3.6	0.3	<0.05	5	0.6	<0.2
1221165	Soil	32	0.48	151	0.063	1	1.84	0.006	0.18	0.3	0.03	2.9	0.3	<0.05	6	0.6	<0.2
1221166	Soil	15	0.09	193	0.006	2	0.93	0.010	0.06	0.1	0.06	0.1	0.1	0.07	4	<0.5	<0.2
1221167	Soil	31	0.47	133	0.050	2	1.69	0.006	0.15	0.3	0.03	2.5	0.3	<0.05	6	<0.5	<0.2
1221168	Soil	21	0.22	88	0.013	<1	1.14	0.007	0.07	0.1	0.02	0.5	0.1	<0.05	6	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	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
1221169	Soil	0.9	19.5	11.4	47	<0.1	15.3	6.7	164	2.34	20.6	5.4	1.0	8	0.1	0.5	0.3	43	0.07	0.043	14
1221170	Soil	1.2	15.0	12.7	42	<0.1	11.7	4.1	128	2.02	20.0	2.4	0.5	8	0.1	0.3	0.4	46	0.07	0.064	14
1221171	Soil	0.9	15.3	10.1	52	<0.1	17.1	6.4	211	2.35	23.2	3.5	2.1	9	0.2	0.5	0.3	39	0.10	0.043	14
1221172	Soil	0.8	14.2	12.5	42	<0.1	11.6	4.7	145	1.88	19.9	2.8	0.6	8	0.2	0.4	0.4	37	0.07	0.044	15
1221173	Soil	1.0	26.8	30.7	56	<0.1	18.4	9.0	246	2.51	15.5	5.6	3.5	9	0.2	0.6	0.5	47	0.08	0.043	15
1221174	Soil	0.9	14.4	14.3	32	<0.1	9.2	3.4	117	2.17	24.6	9.2	2.8	9	0.1	0.6	1.7	43	0.09	0.025	14
1221175	Soil	1.1	33.1	13.2	60	0.1	16.8	6.3	211	2.58	35.4	15.1	4.8	8	0.2	0.9	2.5	44	0.06	0.032	13
1221176	Soil	1.4	17.7	12.6	49	0.2	11.7	4.5	221	2.35	95.3	12.7	1.0	7	0.2	1.7	3.9	48	0.04	0.033	15
1221177	Soil	0.9	36.8	18.3	79	0.9	15.5	6.7	436	2.25	46.1	16.0	2.8	16	0.5	0.8	3.8	38	0.19	0.039	22
1221178	Soil	1.1	26.3	17.7	69	0.3	18.2	6.8	238	2.51	25.7	12.1	3.5	12	0.2	0.6	2.1	42	0.10	0.036	17
1221179	Soil	0.9	22.7	38.6	74	1.1	13.3	4.4	157	2.03	46.0	13.8	2.8	8	0.5	0.6	1.7	37	0.07	0.031	13
1221180	Soil	1.0	26.8	54.2	104	0.8	15.5	6.6	304	2.24	78.7	12.1	0.9	10	0.8	0.7	2.1	41	0.08	0.038	14
1221181	Soil	0.8	37.1	62.1	116	0.9	20.0	7.9	278	2.39	98.7	14.3	4.9	11	1.0	0.9	1.4	41	0.10	0.035	17
1221182	Soil	0.8	17.9	23.7	53	0.3	11.3	4.3	109	1.95	26.3	6.1	0.6	12	0.6	0.4	0.9	43	0.10	0.044	15
1221183	Soil	0.8	25.8	16.0	68	0.2	14.4	4.8	146	2.04	20.7	18.9	2.6	9	0.5	0.5	3.7	37	0.08	0.033	12
1221184	Soil	1.5	13.3	13.7	44	0.1	8.9	2.9	138	1.30	17.4	4.6	1.8	8	0.4	0.3	1.5	40	0.06	0.024	18
1221185	Soil	0.7	26.7	20.7	36	0.3	7.7	2.5	64	1.04	6.9	4.0	0.2	12	1.4	0.2	1.4	29	0.07	0.075	12
1221186	Soil	1.1	13.8	14.0	51	0.2	15.0	7.7	206	2.74	14.1	1.9	3.0	10	0.6	0.6	0.3	52	0.08	0.034	12
1221187	Soil	1.1	152.6	100.8	118	6.6	25.3	9.6	285	3.31	199.2	64.0	8.2	11	0.7	0.9	12.5	48	0.07	0.020	19
1221188	Soil	0.6	53.7	25.3	40	1.3	8.7	3.6	104	1.29	10.0	4.9	0.2	13	2.2	0.3	1.6	23	0.09	0.041	12
1221189	Soil	0.9	34.5	37.1	85	0.4	16.0	7.8	260	2.20	46.1	6.8	1.6	12	2.2	0.5	0.9	37	0.09	0.038	15
1221190	Soil	0.9	40.9	31.0	70	0.2	21.1	9.3	215	2.53	34.0	9.5	4.5	12	0.4	0.5	1.0	44	0.11	0.029	16
1221191	Soil	0.9	53.5	24.2	74	0.2	26.0	12.0	272	2.75	28.9	13.2	7.0	15	0.3	0.6	1.9	53	0.15	0.029	16
1221192	Soil	0.8	47.2	17.7	66	0.1	22.4	9.4	282	2.38	25.8	14.1	6.4	18	0.2	0.5	2.4	45	0.21	0.040	16
1221193	Soil	0.9	40.1	20.6	69	0.1	20.4	8.1	200	2.38	24.4	8.9	5.2	12	0.2	0.6	2.5	46	0.12	0.032	15
1221194	Soil	1.0	40.2	20.1	58	0.2	17.8	6.4	144	2.03	20.1	8.1	0.3	16	0.5	0.5	2.3	41	0.14	0.048	14
1221195	Soil	0.9	31.9	13.6	57	0.2	17.0	6.5	180	1.98	21.8	15.7	2.5	14	0.3	0.5	1.8	38	0.13	0.039	15
1221196	Soil	0.8	34.7	11.9	61	0.1	18.6	6.8	202	2.13	23.8	5.4	4.6	18	0.2	0.6	1.5	40	0.19	0.051	19
1221197	Soil	0.8	27.1	12.1	51	0.1	14.9	5.7	131	2.02	20.5	5.7	3.2	12	0.2	0.4	1.8	38	0.12	0.044	15
1221198	Soil	0.8	32.9	11.7	53	0.2	15.1	6.1	135	1.92	17.4	6.4	2.3	12	0.2	0.4	1.2	33	0.14	0.049	16

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221169	Soil	25	0.36	110	0.020	2	1.40	0.006	0.05	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1221170	Soil	26	0.29	92	0.020	2	1.34	0.005	0.06	0.2	0.04	1.0	0.2	<0.05	6	<0.5	<0.2
1221171	Soil	24	0.36	85	0.027	2	1.19	0.004	0.06	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1221172	Soil	21	0.25	84	0.016	1	1.15	0.004	0.05	0.2	0.03	1.0	0.1	<0.05	4	<0.5	<0.2
1221173	Soil	27	0.38	119	0.029	1	1.54	0.005	0.05	0.3	0.03	2.6	0.1	<0.05	4	0.6	<0.2
1221174	Soil	20	0.24	70	0.017	1	1.01	0.005	0.04	0.2	0.02	1.3	0.2	<0.05	4	<0.5	<0.2
1221175	Soil	24	0.34	120	0.010	1	1.86	0.004	0.06	0.6	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
1221176	Soil	19	0.23	61	0.019	1	1.03	0.003	0.05	0.7	0.02	1.0	0.2	<0.05	5	<0.5	<0.2
1221177	Soil	22	0.29	141	0.011	<1	1.30	0.005	0.06	1.4	0.03	1.6	0.2	0.05	4	<0.5	<0.2
1221178	Soil	25	0.36	138	0.017	1	1.46	0.005	0.05	0.9	0.03	1.8	0.2	<0.05	5	<0.5	<0.2
1221179	Soil	21	0.30	131	0.014	1	1.36	0.004	0.05	0.6	0.04	1.8	0.2	<0.05	4	<0.5	<0.2
1221180	Soil	23	0.33	125	0.017	1	1.28	0.005	0.05	0.9	0.03	1.3	0.2	<0.05	5	<0.5	<0.2
1221181	Soil	27	0.39	162	0.026	1	1.59	0.006	0.05	0.8	0.04	2.6	0.2	<0.05	4	0.6	<0.2
1221182	Soil	22	0.28	172	0.021	1	1.26	0.005	0.04	0.8	0.03	1.3	0.1	<0.05	5	<0.5	<0.2
1221183	Soil	21	0.31	126	0.023	1	1.27	0.005	0.04	5.5	0.04	1.6	0.1	<0.05	4	0.5	<0.2
1221184	Soil	16	0.15	98	0.035	1	0.79	0.004	0.03	2.3	<0.01	0.9	0.1	<0.05	5	<0.5	<0.2
1221185	Soil	16	0.10	191	0.004	1	1.01	0.008	0.04	0.7	0.04	0.1	0.1	<0.05	5	<0.5	<0.2
1221186	Soil	24	0.32	140	0.029	<1	1.60	0.006	0.04	0.4	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
1221187	Soil	32	0.44	219	0.024	1	2.25	0.006	0.06	3.5	0.08	3.1	0.3	<0.05	6	0.8	<0.2
1221188	Soil	13	0.11	144	0.011	<1	0.93	0.006	0.03	0.6	0.02	0.4	0.1	<0.05	4	<0.5	<0.2
1221189	Soil	20	0.31	127	0.026	<1	1.23	0.006	0.08	1.3	0.02	1.2	0.2	<0.05	4	<0.5	<0.2
1221190	Soil	27	0.47	154	0.034	<1	1.64	0.005	0.06	2.7	0.03	2.0	0.2	<0.05	5	<0.5	<0.2
1221191	Soil	31	0.64	235	0.061	1	2.19	0.009	0.06	4.4	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
1221192	Soil	28	0.59	190	0.053	<1	1.62	0.008	0.05	4.9	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
1221193	Soil	25	0.47	157	0.047	1	1.60	0.006	0.05	4.1	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
1221194	Soil	23	0.38	233	0.020	1	1.48	0.007	0.05	2.9	0.03	0.9	0.1	<0.05	5	<0.5	<0.2
1221195	Soil	22	0.38	187	0.034	1	1.38	0.007	0.04	2.7	0.01	1.7	0.1	<0.05	5	<0.5	<0.2
1221196	Soil	23	0.40	210	0.045	<1	1.24	0.007	0.05	2.7	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1221197	Soil	21	0.33	147	0.034	1	1.50	0.006	0.04	2.3	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
1221198	Soil	21	0.35	155	0.030	<1	1.29	0.006	0.04	1.1	0.03	1.9	0.1	<0.05	4	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	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
1221199	Soil	0.8	27.0	10.0	49	<0.1	13.7	5.4	134	1.87	17.7	5.1	1.4	11	0.2	0.4	1.1	35	0.12	0.040	15
1221200	Soil	0.8	26.7	10.6	52	0.1	14.1	5.5	125	2.04	18.1	6.5	1.1	12	0.2	0.4	0.9	37	0.11	0.044	14
1221201	Soil	0.7	23.7	12.0	54	<0.1	18.1	6.8	168	2.23	16.4	5.6	2.7	10	0.2	0.5	0.7	37	0.09	0.034	15
1221202	Soil	0.8	25.3	11.0	53	0.1	16.9	7.0	156	2.16	16.3	6.0	3.3	10	0.1	0.5	0.6	36	0.10	0.041	16
1221203	Soil	0.5	18.3	8.2	43	<0.1	12.9	4.9	110	1.69	10.7	3.6	2.0	12	0.2	0.5	0.4	29	0.14	0.048	17
1221204	Soil	1.3	30.2	20.4	68	<0.1	21.5	8.4	267	3.01	21.5	8.1	7.0	10	0.2	0.8	0.4	53	0.06	0.031	13
1221205	Soil	1.0	32.6	13.9	78	0.4	17.1	7.8	261	2.68	50.7	11.2	5.2	7	0.4	0.8	1.9	30	0.04	0.045	17
1221206	Soil	1.0	30.8	17.9	71	0.2	19.9	6.9	215	2.67	42.5	10.4	5.2	13	0.4	0.7	2.2	36	0.10	0.042	18
1221207	Soil	1.2	20.8	87.7	68	0.8	13.9	5.3	181	2.18	10.3	<0.5	0.2	14	1.2	0.6	0.4	41	0.12	0.094	9
1221208	Soil	0.9	10.7	18.0	38	0.1	9.0	5.0	429	2.12	9.0	<0.5	0.2	9	0.4	0.5	0.4	42	0.07	0.056	9
1221209	Soil	1.1	14.0	25.1	49	0.3	11.7	4.4	156	2.42	12.1	1.4	0.4	10	0.4	0.5	0.4	54	0.09	0.048	11
1221210	Soil	1.2	19.2	50.2	79	0.6	16.4	6.1	229	2.43	15.2	2.7	0.7	10	0.4	0.6	0.4	50	0.08	0.057	11
1221211	Soil	0.9	19.1	34.3	72	<0.1	16.3	5.1	191	2.33	10.6	1.5	1.6	11	0.4	0.5	0.4	47	0.11	0.044	14
1221212	Soil	1.1	18.7	25.5	61	<0.1	15.7	5.3	194	2.42	10.7	2.7	1.2	11	0.2	0.5	0.4	51	0.10	0.050	12
1221213	Soil	0.6	6.1	13.0	20	0.1	4.5	1.4	46	0.74	3.7	2.7	0.1	9	0.2	0.3	0.4	26	0.05	0.046	10
1221214	Soil	1.3	21.9	17.8	64	0.2	16.9	9.2	443	2.47	15.1	3.4	1.1	11	0.4	0.5	0.5	46	0.10	0.061	13
1221215	Soil	0.8	17.5	10.2	50	<0.1	14.1	4.8	152	1.95	9.8	<0.5	1.0	11	0.3	0.5	0.4	40	0.12	0.054	13
1221216	Soil	0.9	18.6	10.3	50	0.1	14.2	4.3	126	1.97	16.1	<0.5	0.7	10	0.3	0.5	0.5	44	0.09	0.055	13
1221217	Soil	1.0	16.4	27.7	46	0.2	12.5	4.0	119	1.89	22.4	<0.5	0.4	10	0.4	0.4	0.4	42	0.08	0.061	12
1221218	Soil	0.7	15.0	7.8	22	0.3	6.7	2.2	40	0.86	3.8	<0.5	0.1	13	0.6	0.3	0.2	13	0.10	0.152	7
1221219	Soil	1.3	20.5	13.9	54	<0.1	15.4	5.7	203	2.39	12.9	4.3	1.0	11	0.2	0.5	0.8	47	0.10	0.051	13
1221220	Soil	1.9	21.8	9.0	46	0.1	15.4	4.4	178	1.81	10.1	11.7	0.5	13	0.3	0.6	0.6	49	0.10	0.043	13
1221221	Soil	0.9	14.8	11.2	34	0.1	9.5	3.4	97	1.59	10.1	<0.5	0.2	11	0.2	0.4	0.5	43	0.09	0.044	12
1221222	Soil	1.3	17.3	9.7	35	<0.1	11.6	3.2	107	1.50	9.9	6.6	0.2	11	0.2	0.4	0.5	36	0.09	0.046	11
1221223	Soil	0.8	12.2	8.6	30	<0.1	7.4	2.7	76	1.26	7.2	1.5	0.1	10	0.3	0.3	0.3	32	0.06	0.046	10
1221224	Soil	1.1	13.0	9.1	44	<0.1	11.4	4.5	157	2.00	11.8	1.3	0.8	11	0.1	0.5	0.3	43	0.12	0.049	13
1221225	Soil	2.4	12.9	9.7	46	<0.1	11.9	4.0	125	1.77	9.9	1.1	0.4	11	0.2	0.4	0.3	41	0.11	0.045	11
1221226	Soil	12.5	12.6	8.6	44	0.2	12.0	4.1	121	1.77	15.7	<0.5	0.5	12	0.2	0.4	0.3	38	0.11	0.053	11
1221227	Soil	3.2	10.8	8.3	36	<0.1	10.1	3.6	94	1.58	9.7	<0.5	0.3	9	<0.1	0.4	0.2	36	0.08	0.043	11
1221228	Soil	23.5	19.9	11.1	60	0.3	15.3	7.9	440	2.28	22.3	<0.5	1.3	12	0.2	0.4	0.4	43	0.13	0.051	13

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221199	Soil	20	0.32	115	0.031	<1	1.26	0.005	0.04	1.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1221200	Soil	21	0.32	135	0.028	<1	1.30	0.005	0.04	0.7	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1221201	Soil	23	0.37	127	0.039	<1	1.34	0.006	0.07	0.8	0.01	1.7	0.1	<0.05	4	<0.5	<0.2
1221202	Soil	22	0.35	142	0.034	<1	1.41	0.006	0.05	0.6	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1221203	Soil	18	0.29	130	0.031	<1	1.11	0.005	0.05	0.4	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1221204	Soil	32	0.38	165	0.047	<1	2.08	0.006	0.05	0.4	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
1221205	Soil	19	0.24	137	0.023	<1	1.39	0.004	0.06	1.8	0.03	1.6	0.2	<0.05	5	<0.5	<0.2
1221206	Soil	24	0.37	206	0.031	2	1.58	0.006	0.07	1.0	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
1221207	Soil	23	0.37	145	0.018	2	1.42	0.012	0.05	0.5	0.06	0.9	0.1	0.12	5	0.8	<0.2
1221208	Soil	21	0.23	82	0.022	1	1.12	0.006	0.05	0.4	0.06	0.7	0.2	0.05	5	<0.5	<0.2
1221209	Soil	24	0.33	118	0.030	<1	1.44	0.007	0.05	0.5	0.04	1.1	0.2	<0.05	6	<0.5	<0.2
1221210	Soil	29	0.45	119	0.026	2	1.57	0.006	0.06	1.3	0.04	1.5	0.2	<0.05	5	0.6	<0.2
1221211	Soil	26	0.41	117	0.037	2	1.40	0.006	0.06	1.1	0.03	1.7	0.2	<0.05	5	<0.5	<0.2
1221212	Soil	27	0.41	128	0.033	1	1.42	0.005	0.06	1.0	0.03	1.6	0.1	<0.05	6	<0.5	<0.2
1221213	Soil	13	0.11	63	0.011	2	0.71	0.004	0.04	0.5	0.03	0.2	0.1	<0.05	4	<0.5	<0.2
1221214	Soil	27	0.42	160	0.031	<1	1.72	0.006	0.06	1.4	0.06	1.7	0.2	<0.05	6	<0.5	<0.2
1221215	Soil	22	0.33	130	0.033	2	1.11	0.005	0.06	1.4	0.03	1.5	0.1	<0.05	4	0.7	<0.2
1221216	Soil	27	0.37	114	0.032	<1	1.24	0.006	0.07	1.8	0.05	1.4	0.2	<0.05	5	0.7	<0.2
1221217	Soil	23	0.32	115	0.026	1	1.30	0.006	0.06	0.9	0.05	1.2	0.1	0.06	5	<0.5	<0.2
1221218	Soil	10	0.06	145	0.004	2	0.75	0.012	0.05	0.4	0.09	0.3	<0.1	0.14	1	0.8	<0.2
1221219	Soil	27	0.40	119	0.031	1	1.57	0.005	0.05	2.2	0.06	1.5	0.2	<0.05	5	0.7	<0.2
1221220	Soil	26	0.25	142	0.034	1	1.06	0.007	0.07	1.6	0.04	1.2	0.2	<0.05	5	<0.5	<0.2
1221221	Soil	21	0.25	108	0.026	1	1.21	0.006	0.05	1.2	0.04	0.8	0.2	<0.05	6	0.6	<0.2
1221222	Soil	23	0.24	80	0.022	1	1.13	0.008	0.06	1.2	0.04	0.6	0.1	<0.05	5	0.6	<0.2
1221223	Soil	16	0.18	109	0.017	<1	0.99	0.006	0.04	0.5	0.05	0.5	<0.1	<0.05	5	<0.5	<0.2
1221224	Soil	22	0.29	93	0.032	<1	1.21	0.005	0.05	1.3	0.06	1.2	0.1	<0.05	5	<0.5	<0.2
1221225	Soil	22	0.30	111	0.026	<1	1.20	0.005	0.05	0.9	0.04	1.0	0.1	<0.05	5	0.5	<0.2
1221226	Soil	20	0.28	108	0.022	2	1.09	0.006	0.04	1.1	0.05	1.1	0.1	<0.05	4	<0.5	<0.2
1221227	Soil	18	0.27	85	0.017	1	0.99	0.005	0.04	1.0	0.04	0.7	0.1	<0.05	4	<0.5	<0.2
1221228	Soil	26	0.36	129	0.032	1	1.38	0.007	0.05	3.2	0.05	1.9	0.2	<0.05	5	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1221229	Soil		12.1	18.1	8.3	62	0.3	15.2	7.0	416	1.97	14.4	<0.5	1.5	26	0.3	0.3	0.3	34	0.32	0.072	13
1221230	Soil		5.5	15.2	10.1	54	0.1	15.6	6.1	181	2.07	11.8	<0.5	3.8	14	0.2	0.4	0.3	38	0.17	0.054	14
1221231	Soil		7.9	16.5	8.2	47	0.2	11.9	4.6	129	1.66	7.1	0.9	0.7	13	0.2	0.3	0.3	35	0.13	0.051	12
1221232	Soil		3.0	22.4	10.6	51	0.1	15.3	6.5	223	2.00	9.3	0.6	1.8	12	0.2	0.4	0.3	36	0.13	0.050	17
1221233	Soil		2.3	15.7	10.6	46	<0.1	13.6	4.7	142	2.06	10.8	2.0	1.2	11	0.1	0.4	0.2	41	0.12	0.041	13
1221234	Soil		9.4	14.1	10.2	60	0.1	15.5	6.4	186	1.92	7.7	<0.5	1.8	15	0.4	0.3	0.3	37	0.18	0.055	13
1221235	Soil		10.5	19.3	13.7	77	0.1	18.1	7.3	202	2.33	11.1	6.4	4.6	20	0.3	0.4	0.3	43	0.27	0.057	17
1221236	Soil		8.2	12.4	11.4	49	<0.1	13.1	4.3	125	1.70	8.2	0.7	2.5	17	0.3	0.4	0.3	37	0.23	0.045	13
1221237	Soil		2.7	18.6	13.9	60	<0.1	15.3	5.9	215	2.04	10.4	<0.5	2.9	13	0.2	0.4	0.3	38	0.15	0.045	16
1221238	Soil		1.0	12.2	15.3	31	<0.1	7.6	2.6	95	1.38	7.4	<0.5	0.3	8	0.2	0.2	0.3	34	0.07	0.035	12
1221239	Soil		2.3	10.7	18.2	47	0.1	10.5	3.6	118	1.63	8.6	1.5	1.3	10	0.2	0.3	0.2	33	0.11	0.036	12
1221240	Soil		1.6	19.6	21.2	67	<0.1	17.0	6.4	228	2.18	12.0	<0.5	5.9	14	0.2	0.6	0.3	42	0.16	0.040	17
1221241	Soil		1.6	13.8	20.3	51	0.1	11.0	3.6	111	1.89	10.9	2.6	0.5	8	0.2	0.3	0.3	37	0.09	0.042	10
1221242	Soil		1.4	12.1	16.6	50	<0.1	11.1	3.6	97	1.73	9.9	3.9	0.5	8	<0.1	0.3	0.2	35	0.09	0.034	10
1221243	Soil		1.3	14.5	19.5	53	0.2	11.6	4.6	194	1.87	11.1	1.3	0.5	8	0.2	0.3	0.2	35	0.09	0.040	11
1221244	Soil		1.0	13.6	14.4	50	<0.1	10.8	3.9	111	1.76	10.6	2.4	1.0	7	0.2	0.4	0.2	33	0.07	0.030	13
1221245	Soil		0.7	15.9	14.1	50	<0.1	12.5	4.1	122	1.83	10.7	2.2	1.8	7	0.2	0.4	0.2	29	0.07	0.032	14
1221246	Soil		0.8	16.2	15.0	59	0.1	14.4	5.1	158	1.93	10.5	3.3	0.5	6	0.2	0.4	0.2	28	0.06	0.032	19
1221247	Soil		0.9	17.9	16.6	61	<0.1	16.6	6.3	234	2.25	12.1	2.6	6.8	6	0.1	0.5	0.2	35	0.06	0.036	18
1221248	Soil		1.1	19.0	15.4	76	<0.1	20.7	9.5	414	2.56	16.2	0.7	5.1	8	0.4	0.6	0.2	39	0.09	0.044	16
1221249	Soil		1.0	22.8	15.7	63	0.1	19.4	6.7	219	2.25	14.1	3.7	1.6	12	0.2	0.5	0.3	40	0.12	0.037	17
1221250	Soil		0.6	26.6	16.8	73	<0.1	22.0	8.5	331	2.37	15.3	2.5	7.4	10	0.2	0.9	0.2	29	0.10	0.033	26
1221408	Soil		0.8	25.5	22.5	72	0.2	21.0	8.2	401	2.54	17.8	13.0	3.3	10	0.4	0.5	3.1	37	0.13	0.042	15
1221409	Soil		0.8	38.5	388.5	1058	1.0	26.2	8.8	376	2.45	19.4	7.6	5.6	11	3.3	0.5	1.5	40	0.16	0.048	18
1221410	Soil		0.5	27.2	393.5	431	0.4	22.9	6.1	305	2.59	26.5	15.6	4.5	11	1.4	0.7	1.1	56	0.19	0.067	18
1221411	Soil		0.9	29.6	77.8	163	0.6	24.6	11.5	393	2.72	30.0	10.1	3.3	13	0.9	0.5	0.6	44	0.13	0.041	16
1221412	Soil		0.8	23.6	46.2	169	0.5	21.4	5.7	171	2.21	19.9	3.7	2.0	12	0.9	0.5	0.3	40	0.15	0.052	13
1221413	Soil		1.1	30.5	252.5	294	1.1	27.1	12.8	660	3.09	67.0	24.4	4.7	14	3.1	0.5	2.4	54	0.16	0.057	14
1221414	Soil		1.1	15.3	25.6	116	0.7	16.3	7.0	260	2.62	34.3	4.5	2.9	10	1.5	0.4	0.5	50	0.09	0.040	11
1221415	Soil		1.3	12.7	40.7	165	0.8	13.7	6.1	452	2.68	27.4	4.9	2.3	14	5.9	0.4	0.6	53	0.13	0.035	10

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

Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221229	Soil	22	0.35	201	0.031	<1	1.30	0.008	0.06	4.0	0.05	1.9	0.1	<0.05	4	<0.5	<0.2
1221230	Soil	22	0.39	111	0.046	1	1.16	0.007	0.07	3.0	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1221231	Soil	21	0.28	138	0.033	<1	1.20	0.008	0.06	1.6	0.05	1.6	0.2	<0.05	5	0.6	<0.2
1221232	Soil	22	0.35	138	0.033	<1	1.21	0.006	0.06	1.5	0.03	2.0	0.1	<0.05	4	<0.5	<0.2
1221233	Soil	22	0.34	103	0.035	<1	1.21	0.005	0.06	1.9	0.03	1.5	0.1	<0.05	4	0.7	<0.2
1221234	Soil	24	0.36	118	0.041	1	1.27	0.007	0.08	1.6	0.05	2.1	0.2	<0.05	5	<0.5	<0.2
1221235	Soil	26	0.42	197	0.048	<1	1.52	0.007	0.08	3.1	0.04	2.8	0.2	<0.05	5	<0.5	<0.2
1221236	Soil	21	0.34	149	0.035	<1	1.14	0.007	0.05	1.1	0.03	1.8	0.2	<0.05	4	<0.5	<0.2
1221237	Soil	22	0.36	147	0.043	<1	1.26	0.006	0.08	1.2	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1221238	Soil	18	0.20	73	0.020	<1	1.02	0.004	0.05	0.5	0.05	0.8	0.1	<0.05	5	<0.5	<0.2
1221239	Soil	18	0.28	93	0.025	<1	1.07	0.005	0.05	0.8	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1221240	Soil	24	0.39	170	0.045	1	1.36	0.006	0.08	1.4	0.03	2.5	0.2	<0.05	4	<0.5	<0.2
1221241	Soil	20	0.28	86	0.017	2	1.13	0.004	0.05	1.2	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
1221242	Soil	19	0.28	87	0.020	3	1.11	0.005	0.05	0.9	0.04	1.0	0.1	<0.05	4	<0.5	<0.2
1221243	Soil	19	0.27	94	0.018	2	1.09	0.005	0.05	1.0	0.05	0.9	0.1	<0.05	4	<0.5	<0.2
1221244	Soil	17	0.27	92	0.022	<1	1.09	0.005	0.05	0.7	0.03	1.3	0.1	<0.05	4	<0.5	<0.2
1221245	Soil	18	0.26	91	0.024	1	1.14	0.004	0.06	0.5	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1221246	Soil	19	0.29	92	0.019	<1	1.14	0.004	0.08	0.4	0.03	0.8	0.2	<0.05	4	<0.5	<0.2
1221247	Soil	22	0.35	109	0.036	<1	1.37	0.004	0.07	0.9	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1221248	Soil	24	0.40	129	0.037	1	1.53	0.005	0.08	0.5	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1221249	Soil	24	0.36	195	0.030	<1	1.59	0.005	0.07	0.5	0.04	2.2	0.2	<0.05	5	<0.5	<0.2
1221250	Soil	21	0.40	190	0.034	<1	1.30	0.005	0.08	0.4	0.03	2.9	0.1	<0.05	4	<0.5	<0.2
1221408	Soil	24	0.43	126	0.037	1	1.61	0.006	0.09	4.0	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
1221409	Soil	28	0.56	102	0.055	<1	1.47	0.006	0.15	2.1	0.03	2.7	0.3	<0.05	5	0.5	<0.2
1221410	Soil	41	0.84	96	0.093	<1	1.85	0.010	0.16	1.9	0.03	3.1	0.3	<0.05	8	<0.5	<0.2
1221411	Soil	29	0.52	137	0.051	1	1.57	0.007	0.13	4.1	0.04	2.7	0.3	<0.05	5	<0.5	<0.2
1221412	Soil	25	0.43	152	0.032	1	1.45	0.006	0.08	0.5	0.05	2.2	0.2	<0.05	4	0.6	<0.2
1221413	Soil	61	0.61	217	0.070	1	2.01	0.007	0.15	1.6	0.05	2.8	0.3	<0.05	6	<0.5	<0.2
1221414	Soil	26	0.39	170	0.040	1	1.68	0.006	0.06	0.5	0.06	2.3	0.2	<0.05	5	<0.5	<0.2
1221415	Soil	25	0.39	225	0.042	2	1.44	0.006	0.07	0.6	0.05	1.9	0.1	<0.05	6	<0.5	<0.2

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1221416	Soil		0.8	18.4	21.4	114	0.2	14.4	5.3	181	2.14	27.2	4.6	0.4	10	0.8	0.4	1.0	41	0.09	0.040	12
1221417	Soil		1.0	59.8	39.4	103	0.9	21.1	14.2	798	1.94	15.5	2.7	0.1	16	10.5	0.3	0.6	36	0.12	0.082	14
1221418	Soil		0.7	13.9	11.5	54	<0.1	14.3	5.7	236	2.04	13.6	3.1	3.6	10	0.3	0.4	0.4	40	0.12	0.041	14
1221419	Soil		0.9	20.3	13.1	62	0.1	16.6	5.9	221	2.27	17.2	10.6	1.4	11	0.4	0.4	0.9	44	0.13	0.042	13
1221420	Soil		0.5	10.5	11.7	43	<0.1	10.0	4.5	143	1.74	9.9	1.4	2.0	8	0.2	0.4	0.2	35	0.09	0.030	12
1221421	Soil		0.5	6.8	13.3	48	<0.1	8.4	2.9	90	1.94	12.3	2.6	0.5	9	0.4	0.3	0.3	46	0.08	0.026	11
1221422	Soil		1.0	13.1	11.3	51	<0.1	15.6	7.8	246	2.57	12.7	1.7	6.0	9	0.3	0.5	0.2	48	0.09	0.031	13
1221423	Soil		0.9	21.2	17.8	87	<0.1	19.5	7.4	303	2.27	13.8	3.2	6.2	10	0.4	0.5	0.3	39	0.12	0.041	14
1221424	Soil		1.2	10.3	18.3	70	<0.1	11.1	7.4	519	2.58	8.5	<0.5	5.1	8	0.6	0.4	0.2	54	0.08	0.058	14
1221425	Soil		0.9	8.7	10.2	50	<0.1	12.8	6.5	258	2.54	11.7	2.1	3.8	7	0.3	0.4	0.1	43	0.07	0.032	10
1221426	Soil		1.5	12.5	15.9	53	<0.1	15.9	7.3	293	3.15	11.3	1.8	8.5	9	0.3	0.5	0.2	56	0.08	0.048	12
1221427	Soil		1.1	6.6	13.0	50	<0.1	8.6	3.5	167	1.99	8.7	1.9	1.4	10	0.4	0.3	0.2	44	0.07	0.031	11
1221428	Soil		1.1	11.2	15.9	61	<0.1	15.1	6.7	224	2.77	13.3	1.9	5.0	6	0.3	0.5	0.2	47	0.06	0.032	10
1221429	Soil		0.8	9.3	13.1	37	<0.1	11.2	5.8	155	2.27	10.5	2.9	4.8	7	0.2	0.4	0.2	45	0.06	0.024	12
1221430	Soil		1.2	8.3	11.7	38	<0.1	10.6	4.6	165	2.48	9.5	<0.5	3.9	7	0.1	0.4	0.4	55	0.06	0.034	11
1221431	Soil		1.1	11.3	18.8	58	<0.1	14.7	7.6	340	2.89	9.8	3.5	14.3	7	0.2	0.5	1.6	52	0.08	0.044	16
1221432	Soil		0.9	7.2	12.6	40	<0.1	9.4	3.9	119	1.88	8.8	2.8	5.1	7	0.1	0.3	0.4	33	0.07	0.025	20
1221433	Soil		1.7	10.8	17.5	63	<0.1	13.6	6.8	295	3.19	12.3	2.1	8.3	7	0.3	0.5	0.4	56	0.07	0.046	18
1221434	Soil		0.5	11.5	12.5	52	<0.1	8.0	2.8	90	1.93	8.5	6.8	0.6	9	<0.1	0.4	0.2	39	0.09	0.092	15
1221435	Soil		1.1	8.9	15.5	43	<0.1	10.5	5.6	228	2.60	10.2	6.3	8.0	7	<0.1	0.5	0.4	45	0.06	0.044	16
1221436	Soil		1.3	4.2	12.9	43	<0.1	6.5	2.8	163	2.16	10.8	8.5	1.5	6	0.1	0.4	0.3	56	0.05	0.048	13
1221437	Soil		0.6	21.2	12.2	108	<0.1	15.1	7.0	234	2.03	10.2	2.7	6.8	8	0.3	0.5	0.2	39	0.07	0.028	17
1221438	Soil		1.3	8.6	17.2	53	<0.1	11.9	5.0	218	2.94	10.8	1.2	6.6	9	0.3	0.4	0.2	48	0.07	0.045	13
1221439	Soil		1.0	7.8	18.3	58	<0.1	10.6	4.6	184	2.56	9.8	1.0	4.7	6	0.2	0.4	0.2	40	0.04	0.030	12
1221440	Soil		0.6	2.9	13.4	27	<0.1	4.3	2.2	144	1.89	6.3	0.7	1.2	5	<0.1	0.2	0.2	45	0.04	0.042	14
1221441	Soil		1.0	9.4	13.5	53	<0.1	12.8	7.8	265	2.38	9.7	1.4	5.4	8	0.2	0.5	0.3	43	0.07	0.042	14
1221442	Soil		1.1	5.7	13.8	60	<0.1	8.6	6.0	475	2.64	8.6	1.0	11.9	7	0.3	0.3	0.2	60	0.06	0.075	19
1221443	Soil		0.9	1.1	12.1	24	<0.1	1.4	1.1	150	0.61	5.1	<0.5	3.1	4	<0.1	0.3	0.2	15	0.04	0.043	36
1221444	Soil		1.2	8.3	18.7	79	0.1	11.7	6.2	253	2.87	9.8	<0.5	12.0	10	0.3	0.5	0.5	50	0.07	0.055	14
1221445	Soil		1.1	11.5	12.5	44	<0.1	15.6	6.7	206	2.64	11.1	4.6	4.8	9	0.1	0.6	0.2	56	0.08	0.040	11

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221416	Soil	21	0.34	170	0.018	1	1.28	0.007	0.06	0.5	0.02	1.1	0.2	<0.05	5	<0.5	<0.2
1221417	Soil	18	0.25	285	0.013	<1	1.09	0.010	0.06	0.2	0.03	0.6	0.1	<0.05	4	<0.5	<0.2
1221418	Soil	21	0.37	145	0.038	<1	1.57	0.007	0.05	0.5	0.04	2.0	0.2	<0.05	5	<0.5	<0.2
1221419	Soil	26	0.44	142	0.042	<1	1.56	0.007	0.07	0.9	0.03	1.9	0.2	<0.05	6	<0.5	<0.2
1221420	Soil	16	0.24	99	0.024	<1	1.00	0.004	0.04	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1221421	Soil	20	0.25	90	0.023	1	1.13	0.006	0.04	0.2	0.03	1.0	0.1	<0.05	5	0.5	<0.2
1221422	Soil	27	0.38	117	0.045	<1	1.71	0.007	0.05	0.3	0.04	2.6	0.1	<0.05	5	0.6	<0.2
1221423	Soil	22	0.44	151	0.045	<1	1.35	0.006	0.09	0.7	0.03	2.7	0.2	<0.05	4	<0.5	<0.2
1221424	Soil	21	0.29	150	0.050	<1	1.81	0.006	0.10	0.3	0.03	2.5	0.3	<0.05	9	<0.5	<0.2
1221425	Soil	23	0.33	73	0.034	<1	1.40	0.005	0.05	0.2	0.02	2.0	0.1	<0.05	4	0.7	<0.2
1221426	Soil	30	0.46	100	0.047	<1	2.35	0.007	0.07	0.3	0.03	2.9	0.3	<0.05	7	0.8	<0.2
1221427	Soil	18	0.26	77	0.029	<1	1.11	0.005	0.04	0.4	0.02	1.2	0.2	<0.05	5	<0.5	<0.2
1221428	Soil	24	0.36	82	0.033	<1	1.51	0.005	0.04	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1221429	Soil	21	0.30	89	0.031	<1	1.49	0.005	0.04	0.2	0.05	2.6	0.1	<0.05	5	0.7	<0.2
1221430	Soil	23	0.26	100	0.023	<1	1.72	0.005	0.04	0.2	0.02	2.0	0.2	<0.05	7	<0.5	<0.2
1221431	Soil	25	0.44	103	0.057	<1	2.16	0.006	0.13	0.4	0.04	3.2	0.4	<0.05	8	<0.5	<0.2
1221432	Soil	17	0.29	90	0.018	<1	1.24	0.004	0.04	0.3	0.03	1.9	0.2	<0.05	4	<0.5	<0.2
1221433	Soil	29	0.38	97	0.027	<1	1.86	0.006	0.05	0.4	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
1221434	Soil	22	0.23	83	0.014	<1	1.11	0.004	0.03	0.1	0.03	1.0	0.1	0.05	4	1.3	<0.2
1221435	Soil	24	0.31	86	0.018	<1	1.61	0.005	0.06	0.2	0.03	2.3	0.2	<0.05	6	0.9	<0.2
1221436	Soil	16	0.18	39	0.037	<1	0.80	0.004	0.04	0.1	0.01	1.0	0.1	<0.05	6	<0.5	<0.2
1221437	Soil	24	0.41	134	0.039	<1	1.36	0.005	0.04	0.2	0.05	2.9	0.1	<0.05	4	0.6	<0.2
1221438	Soil	24	0.35	98	0.011	<1	1.60	0.005	0.06	0.2	0.02	2.0	0.2	<0.05	6	1.0	<0.2
1221439	Soil	21	0.28	61	0.010	<1	1.44	0.003	0.04	0.3	0.02	1.4	0.2	<0.05	5	0.8	<0.2
1221440	Soil	11	0.15	51	0.015	<1	1.00	0.003	0.05	0.2	0.01	0.8	0.2	<0.05	6	<0.5	<0.2
1221441	Soil	23	0.37	107	0.015	<1	1.58	0.005	0.06	0.2	0.03	2.3	0.2	<0.05	5	0.6	<0.2
1221442	Soil	23	0.34	90	0.027	<1	1.81	0.006	0.07	0.3	0.01	2.5	0.2	<0.05	8	0.8	<0.2
1221443	Soil	4	0.03	51	0.004	<1	0.60	0.002	0.06	0.1	<0.01	0.4	0.2	<0.05	3	0.5	<0.2
1221444	Soil	25	0.36	110	0.018	<1	2.24	0.005	0.08	0.6	0.03	2.5	0.3	<0.05	8	1.1	<0.2
1221445	Soil	31	0.42	124	0.047	<1	2.05	0.006	0.05	0.3	0.03	2.7	0.2	<0.05	5	0.9	<0.2

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

Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	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
1221446	Soil	1.0	12.1	14.8	49	<0.1	17.2	9.5	398	2.58	10.6	2.5	11.4	9	0.3	0.6	0.3	47	0.08	0.035	15
1221447	Soil	1.1	8.0	13.7	61	<0.1	11.7	6.4	315	2.61	9.4	1.4	5.8	7	0.2	0.5	0.3	58	0.06	0.058	11
1221448	Soil	1.1	12.3	20.1	69	<0.1	14.6	8.3	355	2.70	9.5	2.7	8.6	10	0.3	0.5	0.2	54	0.09	0.033	16
1221449	Soil	1.8	7.5	15.7	50	<0.1	13.2	6.0	274	3.17	12.6	1.6	4.6	9	0.2	0.6	0.3	69	0.07	0.104	10
1221450	Soil	0.9	8.9	58.4	392	0.1	10.6	4.5	184	2.35	10.4	1.6	11.4	6	1.1	0.4	0.5	43	0.07	0.052	15
1221451	Soil	1.0	8.6	14.3	60	<0.1	14.2	5.6	208	2.73	9.0	1.6	8.2	10	0.2	0.6	0.4	58	0.08	0.046	14
1221452	Soil	0.8	6.5	13.9	66	<0.1	11.0	5.2	222	2.64	5.9	0.9	10.8	10	0.2	0.5	1.6	55	0.09	0.062	17
1221453	Soil	1.2	10.9	21.1	84	<0.1	18.2	6.3	253	3.49	10.7	2.2	12.5	10	0.3	0.7	0.7	68	0.10	0.133	13
1221454	Soil	0.5	5.9	10.0	30	<0.1	7.1	3.5	171	1.58	6.6	2.2	2.3	7	<0.1	0.4	0.2	39	0.06	0.035	13
1221455	Soil	1.1	24.8	49.0	78	2.2	24.0	9.6	301	2.65	10.6	2.4	22.1	14	0.3	0.6	0.3	51	0.11	0.046	17
1221456	Soil	0.9	8.4	13.7	57	0.1	12.3	6.8	352	2.21	5.3	<0.5	5.4	13	0.2	0.4	0.2	47	0.11	0.045	17
1221457	Soil	0.9	8.3	11.6	44	0.2	13.8	7.7	223	2.36	10.1	1.8	5.2	13	0.2	0.5	0.2	47	0.13	0.042	13
1221459	Soil	0.5	2.3	13.3	44	<0.1	5.6	3.6	216	1.70	3.4	4.4	19.2	18	<0.1	0.3	0.1	24	0.19	0.041	36
1221463	Soil	0.8	20.1	18.1	44	0.3	14.4	5.0	128	2.44	377.8	11.4	6.1	14	0.2	0.7	3.8	32	0.06	0.026	19
1221464	Soil	0.6	23.3	22.6	47	0.2	15.0	5.9	153	2.16	234.1	7.9	6.9	11	0.1	0.5	2.3	29	0.05	0.016	21
1221465	Soil	0.7	23.8	18.6	55	0.1	16.5	6.3	180	2.14	109.5	11.5	5.5	9	0.1	0.5	1.4	34	0.07	0.020	18
1221466	Soil	0.7	26.2	14.8	55	<0.1	19.1	6.7	201	2.19	84.3	7.8	6.5	10	0.1	0.6	1.3	36	0.06	0.018	19
1221467	Soil	1.1	22.6	11.4	63	0.1	23.3	6.1	210	3.37	109.0	<0.5	7.6	9	0.3	0.5	1.1	53	0.05	0.097	12
1221468	Soil	1.0	15.3	10.9	48	0.1	16.9	7.1	190	2.65	24.7	12.3	4.2	9	0.2	0.5	0.4	45	0.06	0.026	11
1221469	Soil	0.8	30.0	15.3	59	0.1	29.4	9.5	204	2.57	77.3	6.1	9.0	13	0.2	0.5	0.9	46	0.08	0.017	15

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Project: LUG
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221446	Soil	31	0.44	122	0.044	<1	2.14	0.006	0.07	0.2	0.02	2.7	0.2	<0.05	6	0.7	<0.2
1221447	Soil	25	0.32	91	0.024	<1	1.87	0.005	0.05	0.4	0.02	2.0	0.2	<0.05	7	0.7	<0.2
1221448	Soil	29	0.40	128	0.050	<1	1.88	0.006	0.05	0.2	0.03	3.5	0.2	<0.05	6	0.7	<0.2
1221449	Soil	30	0.36	116	0.041	<1	1.97	0.005	0.06	0.3	0.03	2.2	0.2	<0.05	7	0.8	<0.2
1221450	Soil	20	0.29	79	0.011	<1	1.81	0.004	0.06	0.3	0.02	1.9	0.3	<0.05	6	0.8	<0.2
1221451	Soil	23	0.35	114	0.064	<1	1.63	0.005	0.10	0.5	0.03	2.3	0.4	<0.05	9	<0.5	<0.2
1221452	Soil	18	0.35	151	0.091	<1	1.65	0.005	0.18	0.8	<0.01	2.9	0.7	<0.05	11	0.7	<0.2
1221453	Soil	26	0.45	143	0.079	<1	2.24	0.005	0.13	0.5	0.03	3.0	0.5	<0.05	12	1.0	<0.2
1221454	Soil	14	0.18	57	0.039	<1	0.92	0.004	0.06	0.2	0.02	1.1	0.2	<0.05	5	<0.5	<0.2
1221455	Soil	33	0.42	192	0.030	<1	2.39	0.007	0.06	0.3	0.07	2.6	0.2	<0.05	5	0.7	<0.2
1221456	Soil	19	0.35	233	0.068	<1	1.49	0.007	0.14	0.3	0.03	2.5	0.4	<0.05	8	<0.5	<0.2
1221457	Soil	25	0.36	166	0.041	<1	1.43	0.007	0.06	0.2	<0.01	2.0	0.1	<0.05	4	0.6	<0.2
1221459	Soil	10	0.23	177	0.027	<1	1.25	0.004	0.27	0.5	<0.01	2.4	0.8	<0.05	7	0.6	<0.2
1221463	Soil	20	0.27	96	0.017	<1	1.11	0.005	0.05	0.2	0.02	1.4	0.2	<0.05	4	0.6	<0.2
1221464	Soil	21	0.32	119	0.020	<1	1.12	0.004	0.05	0.1	0.03	1.8	0.2	<0.05	3	0.7	<0.2
1221465	Soil	23	0.41	123	0.026	<1	1.27	0.008	0.05	0.2	0.02	2.1	0.1	<0.05	4	0.6	<0.2
1221466	Soil	23	0.43	131	0.035	<1	1.41	0.005	0.06	0.3	0.02	2.2	0.2	<0.05	5	0.6	<0.2
1221467	Soil	32	0.43	181	0.044	<1	2.18	0.005	0.06	0.3	<0.01	2.6	0.2	<0.05	8	<0.5	<0.2
1221468	Soil	27	0.34	143	0.034	<1	1.56	0.005	0.04	0.2	0.03	2.0	0.1	<0.05	5	0.9	<0.2
1221469	Soil	49	0.54	232	0.046	<1	2.53	0.007	0.06	0.2	0.04	3.5	0.3	<0.05	7	0.9	<0.2

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Project: LUG
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001042.1

	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																					
1203436	Soil	1.1	20.9	70.1	169	0.6	17.2	7.8	881	2.26	10.0	8.7	11.8	14	1.5	0.6	2.0	37	0.20	0.089	38
REP 1203436	QC	1.2	21.6	68.8	165	0.6	17.9	7.9	824	2.24	9.9	7.5	12.2	14	1.5	0.6	2.0	36	0.21	0.090	38
1220914	Soil	0.8	12.5	10.5	52	<0.1	12.5	5.2	205	1.94	8.0	6.0	2.0	11	<0.1	0.5	0.3	36	0.13	0.050	14
REP 1220914	QC	0.8	14.1	10.7	55	<0.1	13.1	5.1	209	1.90	8.7	1.4	1.9	11	0.2	0.5	0.3	36	0.12	0.049	14
1220936	Soil	0.7	10.2	9.9	48	<0.1	10.5	4.7	205	1.73	7.0	2.7	1.2	11	0.3	0.4	0.2	32	0.11	0.052	16
REP 1220936	QC	0.7	9.7	9.8	47	<0.1	9.8	4.5	210	1.68	7.0	8.1	1.1	11	0.2	0.3	0.2	32	0.11	0.054	16
1220960	Soil	0.6	31.3	6.7	63	<0.1	32.6	13.9	542	3.20	49.8	19.4	7.2	10	<0.1	0.4	0.7	30	0.08	0.037	29
REP 1220960	QC	0.7	30.9	6.6	65	<0.1	32.7	13.5	551	3.18	50.3	19.5	7.5	9	0.1	0.3	0.7	30	0.08	0.036	29
1220976	Soil	0.9	16.2	83.3	114	<0.1	17.7	7.7	363	2.26	17.6	7.0	1.9	15	0.8	0.6	0.2	44	0.15	0.049	16
REP 1220976	QC	0.9	16.2	86.8	117	<0.1	17.4	7.4	360	2.22	17.7	2.3	2.0	15	0.8	0.5	0.2	44	0.16	0.049	16
1220990	Soil	0.6	22.6	8.6	62	0.1	20.4	9.1	468	2.47	20.2	20.1	2.9	17	0.1	0.5	1.1	37	0.20	0.056	18
REP 1220990	QC	0.9	22.2	8.4	59	0.1	20.9	9.1	464	2.44	20.2	12.2	2.9	17	<0.1	0.5	1.1	37	0.19	0.055	18
1221114	Soil	0.6	9.0	8.9	41	<0.1	9.0	3.5	151	1.48	7.2	2.0	0.7	8	0.2	0.4	0.2	31	0.08	0.038	13
REP 1221114	QC	0.7	9.8	10.0	44	<0.1	10.0	3.7	167	1.63	7.9	20.0	0.8	8	0.2	0.4	0.2	33	0.08	0.042	14
1221131	Soil	0.9	35.1	11.1	71	0.1	30.7	13.7	341	2.83	14.6	7.3	6.3	29	0.2	0.4	1.4	44	0.20	0.053	21
REP 1221131	QC	0.8	35.5	11.5	71	0.1	32.5	13.9	355	2.90	14.7	7.0	6.4	29	0.2	0.5	1.4	45	0.19	0.051	20
1221145	Soil	0.7	33.9	138.2	385	0.8	29.5	10.7	484	2.54	25.4	9.5	6.9	17	2.5	0.6	1.1	45	0.20	0.050	21
REP 1221145	QC	0.7	32.8	140.6	378	0.8	29.0	11.0	492	2.55	25.3	9.0	7.1	17	2.5	0.6	1.1	49	0.20	0.053	22
1221165	Soil	0.8	19.2	10.8	90	<0.1	27.3	12.7	286	2.80	18.4	1.7	6.0	11	0.7	0.5	0.2	45	0.11	0.050	15
REP 1221165	QC	0.9	19.8	10.7	88	<0.1	27.8	12.7	287	2.90	18.6	1.3	6.1	11	0.7	0.5	0.2	47	0.12	0.050	15
1221181	Soil	0.8	37.1	62.1	116	0.9	20.0	7.9	278	2.39	98.7	14.3	4.9	11	1.0	0.9	1.4	41	0.10	0.035	17
REP 1221181	QC	0.9	37.0	61.8	114	0.9	19.8	7.9	272	2.35	100.2	14.7	5.2	11	0.9	0.8	1.4	42	0.09	0.034	16
1221204	Soil	1.3	30.2	20.4	68	<0.1	21.5	8.4	267	3.01	21.5	8.1	7.0	10	0.2	0.8	0.4	53	0.06	0.031	13
REP 1221204	QC	1.2	29.3	20.0	65	<0.1	21.2	8.4	255	2.95	21.1	7.2	6.7	9	0.2	0.7	0.4	52	0.06	0.031	13
1221219	Soil	1.3	20.5	13.9	54	<0.1	15.4	5.7	203	2.39	12.9	4.3	1.0	11	0.2	0.5	0.8	47	0.10	0.051	13
REP 1221219	QC	1.2	20.4	13.5	54	<0.1	15.2	5.5	212	2.52	13.4	2.6	1.0	10	0.2	0.5	0.7	49	0.11	0.052	13
1221240	Soil	1.6	19.6	21.2	67	<0.1	17.0	6.4	228	2.18	12.0	<0.5	5.9	14	0.2	0.6	0.3	42	0.16	0.040	17
REP 1221240	QC	1.6	19.6	21.1	66	<0.1	16.3	6.1	222	2.10	11.3	1.4	5.7	14	0.2	0.5	0.3	39	0.16	0.036	16

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Project: LUG
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001042.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1203436	Soil	18	0.35	209	0.023	2	1.17	0.005	0.05	7.5	0.05	2.7	0.1	<0.05	5	1.0	<0.2
REP 1203436	QC	17	0.35	213	0.024	2	1.23	0.006	0.05	7.3	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1220914	Soil	19	0.33	93	0.026	<1	1.22	0.005	0.05	0.7	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
REP 1220914	QC	19	0.32	93	0.026	<1	1.17	0.005	0.05	0.6	0.02	1.6	0.1	<0.05	4	0.7	<0.2
1220936	Soil	16	0.23	110	0.019	<1	1.09	0.005	0.05	0.5	0.02	1.0	0.1	<0.05	5	<0.5	<0.2
REP 1220936	QC	16	0.22	107	0.018	<1	1.06	0.005	0.05	0.5	0.03	0.9	0.1	<0.05	4	<0.5	<0.2
1220960	Soil	25	0.64	135	0.021	<1	1.72	0.004	0.09	1.0	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
REP 1220960	QC	25	0.60	132	0.020	<1	1.67	0.004	0.10	0.9	0.03	2.4	0.2	<0.05	5	0.5	<0.2
1220976	Soil	28	0.41	154	0.034	<1	1.84	0.007	0.06	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
REP 1220976	QC	28	0.42	158	0.033	1	1.84	0.007	0.06	0.2	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
1220990	Soil	26	0.42	142	0.026	<1	1.52	0.006	0.10	0.3	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
REP 1220990	QC	26	0.42	144	0.026	<1	1.52	0.006	0.10	0.2	0.04	2.6	0.2	<0.05	5	<0.5	<0.2
1221114	Soil	16	0.20	62	0.020	<1	0.80	0.004	0.03	0.6	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
REP 1221114	QC	17	0.23	67	0.022	<1	0.90	0.004	0.03	0.6	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
1221131	Soil	37	0.67	212	0.094	<1	2.02	0.009	0.30	0.3	0.04	3.6	0.4	<0.05	6	<0.5	<0.2
REP 1221131	QC	38	0.66	215	0.091	<1	1.97	0.008	0.30	0.3	0.02	3.6	0.4	<0.05	6	<0.5	<0.2
1221145	Soil	36	0.69	199	0.081	1	1.97	0.008	0.16	0.9	0.03	3.8	0.3	<0.05	6	<0.5	<0.2
REP 1221145	QC	38	0.67	198	0.087	2	1.94	0.008	0.16	0.8	0.03	3.7	0.3	<0.05	6	<0.5	<0.2
1221165	Soil	32	0.48	151	0.063	1	1.84	0.006	0.18	0.3	0.03	2.9	0.3	<0.05	6	0.6	<0.2
REP 1221165	QC	32	0.48	152	0.062	2	1.82	0.006	0.18	0.2	0.03	2.9	0.3	<0.05	5	<0.5	<0.2
1221181	Soil	27	0.39	162	0.026	1	1.59	0.006	0.05	0.8	0.04	2.6	0.2	<0.05	4	0.6	<0.2
REP 1221181	QC	26	0.41	158	0.026	1	1.61	0.006	0.05	0.7	0.04	2.6	0.2	<0.05	4	0.6	<0.2
1221204	Soil	32	0.38	165	0.047	<1	2.08	0.006	0.05	0.4	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
REP 1221204	QC	31	0.38	158	0.045	<1	2.03	0.006	0.05	0.3	0.05	2.5	0.2	<0.05	6	<0.5	<0.2
1221219	Soil	27	0.40	119	0.031	1	1.57	0.005	0.05	2.2	0.06	1.5	0.2	<0.05	5	0.7	<0.2
REP 1221219	QC	28	0.39	119	0.032	<1	1.53	0.005	0.05	2.3	0.04	1.6	0.2	<0.05	5	1.0	<0.2
1221240	Soil	24	0.39	170	0.045	1	1.36	0.006	0.08	1.4	0.03	2.5	0.2	<0.05	4	<0.5	<0.2
REP 1221240	QC	21	0.37	160	0.044	<1	1.29	0.005	0.07	1.5	0.03	2.5	0.1	<0.05	4	<0.5	<0.2

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

Project: LUG
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001042.1

		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
1221241	Soil	1.6	13.8	20.3	51	0.1	11.0	3.6	111	1.89	10.9	2.6	0.5	8	0.2	0.3	0.3	37	0.09	0.042	10
REP 1221241	QC	1.7	14.2	20.8	56	0.1	11.6	3.9	121	2.04	11.8	4.6	0.5	8	0.3	0.4	0.3	40	0.09	0.043	11
1221422	Soil	1.0	13.1	11.3	51	<0.1	15.6	7.8	246	2.57	12.7	1.7	6.0	9	0.3	0.5	0.2	48	0.09	0.031	13
REP 1221422	QC	1.0	13.1	11.4	51	<0.1	14.7	7.7	239	2.52	13.3	2.5	5.7	8	0.3	0.5	0.2	46	0.08	0.031	13
1221448	Soil	1.1	12.3	20.1	69	<0.1	14.6	8.3	355	2.70	9.5	2.7	8.6	10	0.3	0.5	0.2	54	0.09	0.033	16
REP 1221448	QC	1.0	12.0	20.5	67	<0.1	14.5	8.0	337	2.56	9.2	1.3	8.2	10	0.4	0.6	0.3	51	0.09	0.032	16
1221464	Soil	0.6	23.3	22.6	47	0.2	15.0	5.9	153	2.16	234.1	7.9	6.9	11	0.1	0.5	2.3	29	0.05	0.016	21
REP 1221464	QC	0.6	23.0	22.6	49	0.2	14.7	5.8	152	2.15	236.8	10.0	7.0	11	0.1	0.6	2.3	29	0.05	0.017	20
Reference Materials																					
STD DS8	Standard	12.5	114.3	114.5	319	1.9	39.9	7.7	615	2.49	26.2	112.5	5.4	61	2.4	5.2	5.7	41	0.70	0.083	13
STD DS8	Standard	13.1	113.0	125.0	317	1.8	39.8	8.0	640	2.62	25.8	109.0	6.8	68	2.2	5.6	6.5	44	0.68	0.079	15
STD DS8	Standard	13.7	112.2	124.2	317	1.8	40.1	7.8	634	2.67	25.7	115.6	7.0	73	2.4	5.7	6.5	44	0.75	0.079	16
STD DS8	Standard	12.2	98.2	113.5	291	1.7	35.9	6.9	573	2.30	23.1	110.6	5.6	60	2.1	5.1	5.4	39	0.65	0.075	15
STD DS8	Standard	12.5	109.0	109.7	307	1.7	37.1	7.1	591	2.35	25.6	108.4	5.5	56	2.1	5.0	5.4	40	0.67	0.071	13
STD DS8	Standard	12.8	114.1	131.2	314	1.8	36.8	8.0	612	2.47	26.5	112.8	6.9	64	2.4	5.8	7.2	45	0.71	0.080	15
STD DS8	Standard	13.1	100.4	120.9	313	1.8	35.1	7.0	596	2.47	25.2	110.7	6.8	68	2.4	5.8	6.8	41	0.70	0.084	15
STD DS8	Standard	13.6	118.8	122.6	320	1.8	39.5	8.0	640	2.60	26.0	111.3	6.8	66	2.5	5.2	6.3	45	0.74	0.083	17
STD DS8	Standard	12.0	100.7	122.4	295	1.8	35.2	6.8	589	2.27	23.3	110.3	6.8	65	1.9	5.0	6.9	41	0.66	0.073	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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

Project: LUG
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001042.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1221241	Soil	20	0.28	86	0.017	2	1.13	0.004	0.05	1.2	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
REP 1221241	QC	22	0.31	93	0.020	2	1.22	0.005	0.05	1.3	0.04	1.1	0.2	<0.05	5	<0.5	<0.2
1221422	Soil	27	0.38	117	0.045	<1	1.71	0.007	0.05	0.3	0.04	2.6	0.1	<0.05	5	0.6	<0.2
REP 1221422	QC	27	0.37	112	0.042	<1	1.68	0.007	0.05	0.3	0.04	2.7	0.1	<0.05	5	0.6	<0.2
1221448	Soil	29	0.40	128	0.050	<1	1.88	0.006	0.05	0.2	0.03	3.5	0.2	<0.05	6	0.7	<0.2
REP 1221448	QC	29	0.41	129	0.047	<1	1.82	0.006	0.05	0.2	0.02	3.4	0.2	<0.05	5	0.9	<0.2
1221464	Soil	21	0.32	119	0.020	<1	1.12	0.004	0.05	0.1	0.03	1.8	0.2	<0.05	3	0.7	<0.2
REP 1221464	QC	20	0.32	115	0.018	<1	1.12	0.005	0.05	0.2	0.03	1.8	0.2	<0.05	3	1.2	<0.2
Reference Materials																	
STD DS8	Standard	115	0.62	267	0.100	3	0.89	0.101	0.44	2.9	0.21	2.3	5.5	0.14	5	5.7	4.6
STD DS8	Standard	114	0.59	276	0.118	1	0.91	0.091	0.41	3.1	0.21	2.4	5.6	0.17	5	6.2	4.7
STD DS8	Standard	123	0.64	288	0.126	2	0.99	0.110	0.43	3.0	0.19	3.3	5.5	0.16	5	4.1	5.3
STD DS8	Standard	106	0.56	263	0.109	2	0.84	0.079	0.38	2.9	0.19	1.9	5.1	0.11	4	4.9	4.8
STD DS8	Standard	112	0.58	270	0.107	3	0.87	0.083	0.41	3.0	0.18	2.1	5.0	0.16	5	5.1	4.7
STD DS8	Standard	114	0.60	270	0.115	3	0.89	0.086	0.41	3.0	0.21	2.1	5.4	0.22	5	5.2	4.9
STD DS8	Standard	111	0.61	284	0.112	4	0.94	0.094	0.42	2.9	0.18	2.3	5.3	0.17	5	4.7	4.8
STD DS8	Standard	123	0.64	287	0.120	2	0.96	0.089	0.44	2.9	0.18	2.2	5.4	0.18	5	5.4	5.3
STD DS8	Standard	112	0.58	257	0.113	<1	0.88	0.084	0.39	2.9	0.17	2.1	5.4	0.16	4	5.2	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 10, 2011
Report Date: October 05, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001043.1

CLIENT JOB INFORMATION

Project: LUG
Shipment ID: LUG1(22-42)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	318	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	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
1221470	Soil	0.8	20.4	11.8	61	0.2	32.7	12.6	213	3.02	15.8	2.3	7.7	23	0.1	0.4	0.4	57	0.16	0.027	13
1221471	Soil	1.5	60.6	12.2	85	<0.1	34.3	13.4	241	2.99	40.9	8.2	7.7	16	0.3	0.8	0.9	57	0.10	0.021	14
1221472	Soil	1.0	31.1	9.9	49	0.5	18.1	8.4	160	2.44	14.5	1.8	3.9	12	0.1	0.5	1.0	50	0.10	0.017	9
1221473	Soil	0.8	27.9	9.2	49	0.2	21.7	9.3	197	2.62	17.4	9.4	5.4	11	<0.1	0.5	0.8	47	0.08	0.020	11
1221474	Soil	0.9	35.4	9.9	59	0.3	24.7	10.8	254	3.03	47.2	6.0	6.9	8	0.1	0.5	1.7	52	0.06	0.016	13
1221475	Soil	0.7	29.4	8.8	52	0.1	22.0	8.5	202	2.43	35.8	12.7	5.8	10	0.1	0.4	1.4	46	0.08	0.017	14
1221476	Soil	0.6	35.0	8.1	59	0.1	23.7	9.2	209	2.37	31.4	8.2	6.4	9	<0.1	0.4	1.4	42	0.08	0.011	14
1221477	Soil	0.7	32.6	9.3	54	<0.1	21.2	8.1	217	2.38	26.6	8.3	6.2	10	<0.1	0.4	1.3	38	0.09	0.021	15
1221478	Soil	0.9	27.7	15.3	51	0.3	17.8	7.6	192	2.50	39.6	13.7	6.4	9	<0.1	0.5	1.5	44	0.07	0.017	15
1221479	Soil	0.8	29.9	21.9	67	0.2	24.7	9.4	274	2.54	61.6	16.8	7.4	12	<0.1	0.5	1.5	40	0.08	0.015	18
1221480	Soil	0.5	36.6	36.2	73	<0.1	24.9	12.3	311	2.29	63.2	15.3	9.2	6	0.2	0.5	1.7	28	0.03	0.016	20
1221481	Soil	0.8	28.6	15.1	59	0.1	21.0	7.0	192	2.36	78.6	13.5	6.6	7	0.2	0.5	1.9	38	0.04	0.020	16
1221482	Soil	1.0	22.6	14.1	52	0.1	18.5	6.7	172	2.25	40.7	11.0	4.1	10	<0.1	0.5	1.1	41	0.08	0.037	13
1221483	Soil	0.9	19.8	10.3	50	<0.1	16.8	6.2	155	2.11	27.5	8.3	4.5	9	<0.1	0.6	0.7	42	0.09	0.034	13
1221484	Soil	1.0	16.0	11.0	47	<0.1	14.6	5.8	163	2.34	26.4	10.4	4.0	9	0.1	0.5	0.5	47	0.09	0.036	12
1221485	Soil	1.0	23.0	12.6	52	<0.1	19.2	7.3	208	2.54	25.4	6.3	5.0	11	0.1	0.6	0.8	48	0.08	0.027	13
1221486	Soil	1.0	14.0	10.6	48	0.2	13.8	5.6	170	2.22	24.9	3.9	4.0	8	0.2	0.4	0.8	44	0.07	0.072	12
1221487	Soil	0.8	30.6	12.6	54	1.2	21.9	7.2	188	2.05	28.5	8.8	0.8	24	0.7	0.4	1.4	33	0.21	0.078	16
1221488	Soil	0.9	28.3	9.2	54	<0.1	19.1	7.3	233	2.00	14.8	2.2	3.0	18	0.1	0.6	0.6	37	0.23	0.069	13
1221489	Soil	0.7	26.0	8.0	48	<0.1	19.1	9.0	289	1.91	10.9	4.0	3.8	15	0.2	0.7	0.2	33	0.19	0.059	13
1221490	Soil	0.7	24.4	8.3	53	<0.1	18.3	9.2	227	1.96	12.6	4.1	3.2	19	0.1	0.5	0.3	36	0.23	0.070	14
1221491	Soil	1.3	18.8	14.6	56	0.2	15.9	5.5	185	2.62	60.6	5.6	3.7	9	0.5	0.5	0.7	51	0.07	0.032	13
1221492	Soil	1.0	17.2	9.7	53	<0.1	15.7	9.3	329	2.44	14.1	3.2	3.1	10	0.3	0.5	0.2	52	0.09	0.046	13
1221493	Soil	1.0	19.2	9.3	46	<0.1	17.7	6.4	186	2.30	23.5	3.1	0.9	8	0.2	0.4	0.3	50	0.07	0.042	11
1221494	Soil	0.9	17.9	10.9	58	<0.1	20.8	7.5	210	2.68	16.8	2.2	1.6	10	0.2	0.5	0.2	51	0.10	0.039	12
1221495	Soil	0.9	17.2	11.0	47	<0.1	16.5	6.6	198	2.22	16.8	3.4	3.6	10	0.2	0.5	0.2	49	0.08	0.031	14
1221496	Soil	1.5	24.5	13.4	57	<0.1	17.7	6.2	258	2.61	57.2	8.2	4.9	8	0.3	0.5	0.3	50	0.06	0.030	15
1221497	Soil	1.0	18.8	9.7	53	<0.1	20.1	7.8	197	2.82	29.8	7.1	2.6	9	0.2	0.7	0.2	43	0.08	0.039	11
1221498	Soil	1.3	18.3	11.3	60	<0.1	18.6	7.3	225	2.59	81.7	3.7	3.6	9	0.2	0.5	0.3	57	0.06	0.032	12
1221499	Soil	1.2	15.2	11.0	63	<0.1	17.0	6.5	188	2.56	24.1	4.7	5.1	9	0.2	0.4	0.2	52	0.08	0.026	14

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221470	Soil	43	0.60	259	0.060	2	2.70	0.025	0.12	0.2	0.04	4.3	0.2	<0.05	8	0.5	<0.2
1221471	Soil	35	0.54	250	0.039	2	2.32	0.007	0.07	0.3	0.06	4.2	0.2	<0.05	6	<0.5	<0.2
1221472	Soil	27	0.36	124	0.029	2	1.80	0.005	0.05	0.2	0.03	1.9	0.2	<0.05	6	0.5	<0.2
1221473	Soil	30	0.46	183	0.030	2	1.78	0.006	0.05	0.3	0.04	2.3	0.2	<0.05	5	<0.5	<0.2
1221474	Soil	37	0.55	168	0.040	2	2.10	0.005	0.08	0.4	0.03	2.4	0.3	<0.05	6	<0.5	<0.2
1221475	Soil	34	0.58	155	0.050	1	1.77	0.005	0.07	0.3	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
1221476	Soil	33	0.62	155	0.055	1	1.84	0.006	0.08	0.3	0.02	2.7	0.2	<0.05	5	<0.5	<0.2
1221477	Soil	30	0.53	161	0.043	2	1.62	0.005	0.07	0.3	0.03	2.5	0.2	<0.05	5	<0.5	<0.2
1221478	Soil	30	0.44	174	0.038	1	1.73	0.006	0.07	0.3	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
1221479	Soil	31	0.55	209	0.059	2	1.62	0.006	0.13	0.4	0.03	3.2	0.2	<0.05	5	<0.5	<0.2
1221480	Soil	27	0.44	143	0.046	1	1.47	0.005	0.17	0.7	0.02	1.8	0.3	<0.05	4	<0.5	<0.2
1221481	Soil	26	0.41	137	0.046	2	1.57	0.004	0.10	0.8	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
1221482	Soil	27	0.38	158	0.034	2	1.60	0.005	0.07	0.4	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1221483	Soil	24	0.35	131	0.037	<1	1.46	0.005	0.05	0.3	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1221484	Soil	25	0.31	154	0.029	3	1.47	0.005	0.04	0.3	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1221485	Soil	30	0.38	196	0.032	<1	1.71	0.005	0.04	0.4	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
1221486	Soil	22	0.28	125	0.025	2	1.39	0.005	0.05	0.5	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1221487	Soil	24	0.28	354	0.017	1	1.73	0.006	0.05	0.8	0.06	1.7	0.1	0.05	4	<0.5	<0.2
1221488	Soil	22	0.37	170	0.036	1	0.95	0.007	0.04	0.4	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1221489	Soil	19	0.29	163	0.030	2	0.92	0.005	0.03	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1221490	Soil	21	0.32	209	0.028	1	1.11	0.006	0.04	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1221491	Soil	26	0.30	149	0.014	<1	1.71	0.005	0.06	0.3	0.04	2.1	0.2	<0.05	6	<0.5	<0.2
1221492	Soil	30	0.41	116	0.043	2	1.53	0.006	0.07	0.2	0.03	2.5	0.2	<0.05	5	0.6	<0.2
1221493	Soil	27	0.40	111	0.026	1	1.36	0.005	0.08	0.2	0.03	1.5	0.2	<0.05	5	<0.5	<0.2
1221494	Soil	30	0.42	134	0.032	2	1.63	0.006	0.07	0.2	0.04	2.1	0.2	<0.05	5	0.6	<0.2
1221495	Soil	29	0.37	131	0.043	1	1.49	0.005	0.07	0.2	0.04	2.6	0.2	<0.05	5	<0.5	<0.2
1221496	Soil	29	0.36	137	0.015	1	1.69	0.006	0.07	0.4	0.03	2.3	0.2	<0.05	6	<0.5	<0.2
1221497	Soil	26	0.37	130	0.028	1	1.36	0.005	0.05	0.2	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1221498	Soil	29	0.39	164	0.029	1	1.67	0.006	0.07	0.2	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
1221499	Soil	29	0.38	142	0.043	1	1.62	0.008	0.07	0.2	0.02	2.6	0.2	<0.05	6	<0.5	<0.2

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

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
1221500	Soil	1.2	20.0	15.2	53	<0.1	16.2	6.2	244	2.32	87.6	5.8	0.8	10	0.3	0.5	0.6	43	0.08	0.048	14
1221648	Soil	1.2	19.4	31.4	91	0.2	20.7	8.2	329	2.44	11.4	5.7	5.4	15	0.5	0.7	0.8	46	0.17	0.076	18
1221649	Soil	0.9	30.4	19.1	136	0.3	18.3	7.5	426	1.95	7.8	11.2	10.5	19	1.0	0.6	1.6	36	0.23	0.081	25
1221650	Soil	1.3	20.9	24.4	95	0.2	20.5	8.8	442	2.41	10.9	6.9	5.5	16	0.4	0.7	2.7	45	0.20	0.085	19
1221651	Soil	1.2	21.1	29.2	88	0.2	18.9	7.4	391	2.27	11.2	4.9	4.1	14	0.5	0.7	1.1	46	0.18	0.079	21
1221652	Soil	2.0	37.0	113.7	175	0.8	23.0	12.5	1018	2.71	16.5	4.1	5.1	22	1.6	0.7	4.1	50	0.27	0.103	42
1221653	Soil	1.0	20.8	11.8	64	0.1	19.5	7.4	327	2.42	13.4	22.1	2.3	12	0.3	0.7	0.5	48	0.15	0.065	15
1221654	Soil	1.3	28.1	38.1	168	0.5	23.1	10.4	636	2.65	16.5	5.1	4.9	19	1.3	0.6	1.2	47	0.22	0.086	26
1221655	Soil	1.2	21.7	23.9	130	0.4	18.0	7.4	426	2.01	12.6	7.1	1.8	20	1.9	0.5	0.7	39	0.27	0.083	17
1221656	Soil	1.2	23.6	24.9	119	0.3	19.6	14.6	833	2.57	16.0	12.7	1.6	12	1.5	0.6	0.7	50	0.12	0.070	15
1221657	Soil	1.3	22.7	26.7	93	0.6	17.8	6.1	234	2.55	13.7	2.3	0.6	9	0.7	0.6	0.5	47	0.08	0.076	14
1221658	Soil	1.1	21.7	29.6	111	0.2	16.4	7.3	319	2.29	12.4	4.1	2.1	10	0.9	0.6	0.4	45	0.13	0.065	17
1221659	Soil	1.1	19.3	49.5	106	0.4	15.2	6.1	288	2.25	11.2	4.3	2.1	12	1.0	0.6	0.7	45	0.13	0.069	19
1221660	Soil	1.1	19.7	36.3	116	0.4	13.7	5.3	243	2.21	11.1	2.5	1.2	11	2.0	0.5	0.9	45	0.10	0.058	17
1221661	Soil	1.0	17.9	36.2	118	0.4	13.8	5.4	200	2.25	11.4	1.9	1.6	12	0.9	0.4	0.8	45	0.12	0.058	16
1221662	Soil	0.8	16.8	34.9	95	0.3	12.5	4.5	158	2.12	10.1	5.7	1.5	10	0.7	0.5	0.8	41	0.11	0.054	17
1221663	Soil	0.9	22.3	76.2	127	0.4	13.1	4.4	148	2.12	11.0	2.5	1.5	12	1.2	0.5	1.6	45	0.12	0.069	18
1221664	Soil	1.0	16.3	26.4	107	0.3	11.9	4.6	250	1.85	20.1	1.7	0.6	13	2.2	0.4	0.8	39	0.12	0.057	14
1221665	Soil	1.1	15.2	25.9	80	0.2	14.3	5.2	204	2.13	11.6	2.9	0.8	11	0.7	0.5	0.5	44	0.10	0.064	14
1221666	Soil	1.0	13.1	11.6	62	0.2	11.8	4.0	136	1.63	8.6	2.3	0.7	10	0.6	0.5	0.3	37	0.11	0.051	14
1221667	Soil	1.0	11.1	11.6	61	<0.1	11.7	4.7	232	1.68	8.7	9.2	0.7	10	0.5	0.4	0.3	37	0.10	0.050	15
1221668	Soil	0.8	10.8	11.7	67	0.2	10.9	3.7	134	1.60	8.8	3.7	0.9	10	0.5	0.4	0.5	36	0.12	0.046	16
1221669	Soil	0.8	8.9	10.9	37	0.3	6.8	2.4	72	1.19	5.6	8.5	0.3	9	0.4	0.3	0.4	33	0.06	0.038	13
1221670	Soil	0.9	12.0	16.9	68	<0.1	12.6	5.8	308	2.07	9.9	5.4	1.6	11	0.5	0.5	0.8	40	0.13	0.060	18
1221671	Soil	0.9	9.9	13.0	46	0.2	8.4	2.9	110	1.60	8.7	3.0	0.8	7	0.2	0.4	0.9	37	0.06	0.042	13
1221672	Soil	0.8	15.0	19.6	113	0.2	13.0	6.1	371	2.09	10.8	3.9	6.0	12	0.6	0.4	0.9	36	0.14	0.060	28
1221673	Soil	0.6	10.8	11.3	90	0.1	8.7	3.2	126	1.36	6.3	1.6	1.8	11	0.9	0.2	0.8	27	0.10	0.041	21
1221674	Soil	0.8	11.6	12.9	55	0.5	7.9	2.7	93	1.32	7.8	2.9	1.5	9	0.8	0.3	0.7	30	0.07	0.043	17
1221675	Soil	0.9	12.9	14.3	73	0.1	10.6	3.8	152	1.74	9.0	1.3	1.0	11	0.6	0.4	0.7	36	0.09	0.051	19
1221676	Soil	0.6	11.9	14.0	87	0.2	10.1	3.9	167	1.69	9.4	3.3	6.4	10	0.8	0.3	0.7	28	0.11	0.049	28

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221500	Soil	23	0.25	148	0.010	<1	1.24	0.004	0.06	0.3	0.02	1.2	0.2	<0.05	5	<0.5	<0.2
1221648	Soil	22	0.30	92	0.040	3	1.31	0.006	0.05	5.0	0.09	1.7	0.1	<0.05	4	<0.5	<0.2
1221649	Soil	18	0.31	148	0.037	<1	1.12	0.006	0.07	6.1	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1221650	Soil	23	0.31	108	0.039	<1	1.18	0.006	0.06	8.4	0.05	1.9	0.1	<0.05	4	<0.5	<0.2
1221651	Soil	23	0.32	112	0.035	1	1.16	0.006	0.05	6.9	0.05	1.7	0.1	<0.05	4	<0.5	<0.2
1221652	Soil	27	0.43	219	0.027	3	1.95	0.009	0.08	7.6	0.08	2.4	0.3	0.08	7	1.1	<0.2
1221653	Soil	25	0.35	99	0.045	2	1.43	0.007	0.05	2.7	0.06	1.6	0.1	0.06	5	<0.5	<0.2
1221654	Soil	27	0.52	191	0.041	2	1.76	0.009	0.08	3.2	0.05	2.3	0.2	<0.05	6	<0.5	<0.2
1221655	Soil	23	0.32	162	0.031	2	1.14	0.009	0.06	1.7	0.06	1.3	0.1	<0.05	5	<0.5	<0.2
1221656	Soil	29	0.43	139	0.036	2	1.52	0.007	0.06	1.3	0.04	1.6	0.2	<0.05	6	<0.5	<0.2
1221657	Soil	27	0.40	97	0.028	<1	1.52	0.007	0.05	0.7	0.04	1.2	0.2	<0.05	6	<0.5	<0.2
1221658	Soil	24	0.34	103	0.033	1	1.21	0.006	0.05	1.5	0.04	1.5	0.1	<0.05	5	<0.5	<0.2
1221659	Soil	23	0.32	118	0.033	1	1.16	0.006	0.04	1.2	0.05	1.4	0.1	<0.05	5	<0.5	<0.2
1221660	Soil	24	0.34	137	0.027	1	1.30	0.006	0.05	0.8	0.05	1.3	0.1	<0.05	5	<0.5	<0.2
1221661	Soil	24	0.37	150	0.030	1	1.38	0.005	0.05	0.7	0.04	1.5	0.2	<0.05	5	<0.5	<0.2
1221662	Soil	21	0.31	102	0.028	<1	1.24	0.005	0.05	0.7	0.05	1.2	0.1	<0.05	5	<0.5	<0.2
1221663	Soil	21	0.31	99	0.023	<1	1.16	0.006	0.06	0.9	0.07	1.2	0.1	<0.05	5	<0.5	<0.2
1221664	Soil	19	0.28	155	0.022	1	1.15	0.006	0.05	0.6	0.05	0.9	0.2	<0.05	5	<0.5	<0.2
1221665	Soil	21	0.32	101	0.028	1	1.12	0.006	0.05	0.6	0.04	1.1	0.1	<0.05	5	<0.5	<0.2
1221666	Soil	17	0.26	118	0.024	<1	0.85	0.005	0.05	0.6	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
1221667	Soil	19	0.27	102	0.024	<1	0.94	0.005	0.04	0.7	0.04	1.0	0.1	<0.05	4	<0.5	<0.2
1221668	Soil	16	0.27	100	0.025	1	0.90	0.006	0.05	0.9	0.04	0.9	0.1	<0.05	4	<0.5	<0.2
1221669	Soil	13	0.15	82	0.014	<1	0.66	0.005	0.05	0.8	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1221670	Soil	20	0.29	105	0.028	<1	1.08	0.004	0.05	2.2	0.04	1.2	0.1	<0.05	5	<0.5	<0.2
1221671	Soil	16	0.19	63	0.022	<1	0.82	0.004	0.04	1.7	0.03	0.8	0.1	<0.05	5	<0.5	<0.2
1221672	Soil	19	0.33	153	0.034	1	1.29	0.006	0.11	1.8	0.04	1.7	0.2	<0.05	6	<0.5	<0.2
1221673	Soil	13	0.24	175	0.014	<1	1.03	0.005	0.06	1.3	0.03	1.0	0.1	<0.05	5	<0.5	<0.2
1221674	Soil	13	0.16	146	0.020	<1	0.84	0.005	0.05	1.4	0.06	0.9	0.1	<0.05	5	<0.5	<0.2
1221675	Soil	15	0.23	162	0.015	<1	0.98	0.005	0.06	1.1	0.04	1.0	0.1	<0.05	5	<0.5	<0.2
1221676	Soil	14	0.25	142	0.022	<1	1.02	0.005	0.08	1.3	0.04	1.3	0.2	<0.05	5	<0.5	<0.2

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	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
1221677	Soil	0.7	15.4	23.5	108	0.2	12.0	5.7	369	2.19	14.7	4.0	9.2	9	0.4	0.4	1.8	32	0.10	0.053	25
1221678	Soil	0.6	8.7	13.4	69	0.2	8.0	2.9	140	1.49	8.1	14.2	1.6	9	0.4	0.3	0.5	25	0.08	0.046	24
1221951	Soil	1.5	15.3	15.1	50	0.2	15.3	5.7	197	2.26	11.1	3.9	3.3	10	0.3	0.7	0.2	56	0.10	0.024	13
1221952	Soil	1.2	61.5	11.5	133	0.2	31.5	15.0	1099	3.08	9.4	2.1	1.4	20	0.4	0.5	0.4	56	0.25	0.093	14
1221953	Soil	2.7	30.9	13.1	75	0.4	25.2	9.0	442	2.78	14.4	32.2	1.7	13	0.2	0.8	0.3	51	0.13	0.060	17
1221954	Soil	1.3	23.9	11.5	59	<0.1	25.0	9.3	364	2.71	14.5	14.8	2.7	11	0.3	0.7	0.2	46	0.11	0.040	15
1221955	Soil	1.7	20.6	10.0	31	0.2	8.3	2.7	128	1.53	18.2	5.0	1.0	9	0.3	0.4	0.5	45	0.08	0.051	11
1221956	Soil	3.9	64.1	13.8	74	0.3	26.6	9.3	316	2.92	25.7	11.8	4.0	17	0.3	0.9	0.5	45	0.18	0.078	21
1221957	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1221958	Soil	2.8	37.7	19.0	70	0.3	20.5	7.5	252	2.78	22.0	12.1	5.0	14	0.4	0.7	0.4	45	0.18	0.073	19
1221959	Soil	1.3	27.4	72.6	96	0.8	20.3	8.8	338	2.32	28.2	10.6	2.6	13	0.8	0.7	0.3	39	0.13	0.063	14
1221960	Soil	1.5	21.4	39.6	68	0.2	18.4	6.6	264	2.66	20.8	3.3	1.9	9	0.4	0.7	0.3	50	0.07	0.033	16
1221961	Soil	1.9	34.6	21.8	86	0.2	30.3	10.7	491	3.26	42.9	10.1	1.7	15	0.6	0.5	0.3	55	0.16	0.045	14
1221962	Soil	2.4	32.7	14.9	66	0.5	24.1	8.8	225	2.59	46.7	9.9	1.7	13	0.6	0.5	0.4	55	0.14	0.047	14
1221963	Soil	1.5	21.8	16.2	55	0.3	23.0	9.5	277	2.55	20.4	3.5	1.5	9	0.4	0.5	0.2	48	0.09	0.045	13
1221964	Soil	1.7	17.7	12.4	41	0.2	19.4	16.2	878	1.96	18.3	12.9	0.6	23	1.0	0.4	0.3	43	0.21	0.075	9
1221965	Soil	1.4	16.9	25.6	59	0.3	19.1	8.0	187	2.78	21.6	1.6	3.5	10	0.4	0.4	0.3	53	0.10	0.030	13
1221966	Soil	1.5	10.1	20.1	63	<0.1	13.2	5.2	184	2.57	15.4	1.7	3.6	7	0.8	0.5	0.2	55	0.06	0.029	12
1221967	Soil	2.3	14.8	19.5	71	0.2	14.5	5.8	245	2.64	16.9	<0.5	3.6	11	0.3	0.5	0.6	57	0.11	0.050	13
1221968	Soil	1.0	13.0	16.2	28	<0.1	8.5	2.4	52	1.06	5.9	<0.5	0.2	7	0.6	0.2	0.2	26	0.05	0.062	8
1221969	Soil	1.3	18.1	18.4	70	<0.1	19.6	8.8	327	2.51	13.0	11.2	4.6	13	0.3	0.6	0.2	46	0.16	0.063	18
1221970	Soil	1.3	21.7	23.8	56	0.4	11.1	10.0	1293	1.62	5.3	1.1	0.4	16	1.8	0.3	0.2	36	0.18	0.076	18
1221971	Soil	1.3	12.9	15.8	52	<0.1	13.9	6.4	208	2.41	11.0	5.6	2.4	13	0.3	0.4	0.3	46	0.14	0.052	17
1221972	Soil	1.2	9.6	17.2	42	<0.1	11.2	4.1	113	1.88	9.1	6.2	0.5	8	0.2	0.4	0.2	40	0.10	0.048	13
1221973	Soil	1.2	10.1	15.0	51	<0.1	11.3	5.1	157	2.01	9.5	1.2	2.0	8	0.1	0.4	0.2	41	0.10	0.042	15
1221974	Soil	1.4	12.0	15.7	48	<0.1	12.1	4.7	138	2.03	9.5	<0.5	0.3	14	0.3	0.3	0.2	41	0.14	0.045	12
1221975	Soil	0.9	11.0	13.8	46	<0.1	10.4	4.3	121	2.06	9.5	<0.5	1.5	8	0.2	0.4	0.2	39	0.09	0.051	14
1221976	Soil	0.9	16.2	11.4	56	<0.1	19.6	9.5	283	2.59	12.7	1.4	6.8	9	0.2	0.6	0.2	39	0.11	0.050	14
1221977	Soil	3.5	9.1	14.0	74	<0.1	13.0	5.6	218	2.25	8.9	1.6	3.6	14	0.3	0.3	0.4	36	0.24	0.055	21
1221978	Soil	1.8	3.9	11.8	33	<0.1	7.6	3.0	83	2.60	7.7	<0.5	3.2	7	0.2	0.2	0.2	52	0.07	0.030	11

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221677	Soil	16	0.27	86	0.026	<1	1.09	0.005	0.09	2.1	0.03	1.7	0.2	<0.05	5	<0.5	<0.2
1221678	Soil	12	0.17	87	0.016	<1	0.74	0.004	0.05	1.2	0.05	0.6	0.1	<0.05	4	<0.5	<0.2
1221951	Soil	24	0.32	121	0.053	<1	1.52	0.006	0.07	0.3	0.04	1.9	0.2	<0.05	6	<0.5	<0.2
1221952	Soil	38	0.59	251	0.066	1	3.39	0.013	0.11	5.1	0.09	2.7	0.4	0.11	11	0.7	<0.2
1221953	Soil	29	0.36	129	0.044	1	1.79	0.008	0.11	2.0	0.13	1.9	0.2	<0.05	6	<0.5	<0.2
1221954	Soil	28	0.43	191	0.050	2	1.83	0.007	0.08	0.9	0.07	2.3	0.2	<0.05	5	<0.5	<0.2
1221955	Soil	18	0.16	89	0.043	<1	1.08	0.006	0.07	7.3	0.06	1.3	0.1	<0.05	7	<0.5	<0.2
1221956	Soil	28	0.43	158	0.034	<1	1.82	0.007	0.12	7.3	0.03	3.0	0.3	<0.05	6	<0.5	<0.2
1221957	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1221958	Soil	28	0.41	161	0.039	1	1.56	0.006	0.09	1.6	0.06	3.1	0.2	<0.05	5	<0.5	<0.2
1221959	Soil	25	0.38	109	0.039	1	1.28	0.006	0.12	0.6	0.06	2.0	0.2	<0.05	4	<0.5	<0.2
1221960	Soil	25	0.32	112	0.047	<1	1.34	0.005	0.10	0.5	0.05	1.8	0.2	<0.05	5	<0.5	<0.2
1221961	Soil	35	0.49	183	0.049	3	1.73	0.005	0.16	1.0	0.06	2.6	0.3	<0.05	6	0.5	<0.2
1221962	Soil	29	0.34	147	0.046	2	1.34	0.006	0.12	1.2	0.07	2.4	0.2	<0.05	6	1.0	<0.2
1221963	Soil	28	0.32	178	0.038	2	1.43	0.006	0.11	0.6	0.03	2.0	0.2	<0.05	5	0.9	<0.2
1221964	Soil	22	0.19	437	0.038	2	0.88	0.008	0.12	1.4	0.10	1.7	0.2	<0.05	4	<0.5	<0.2
1221965	Soil	27	0.32	210	0.036	<1	1.61	0.005	0.07	0.6	0.05	2.5	0.2	<0.05	5	<0.5	<0.2
1221966	Soil	22	0.25	146	0.039	<1	1.24	0.005	0.05	0.4	0.03	1.9	0.1	<0.05	6	0.7	<0.2
1221967	Soil	22	0.33	140	0.039	2	1.26	0.005	0.07	0.4	0.03	2.0	0.2	<0.05	7	0.5	<0.2
1221968	Soil	15	0.15	88	0.003	1	0.88	0.005	0.04	0.1	0.05	<0.1	<0.1	<0.05	4	0.6	<0.2
1221969	Soil	25	0.38	198	0.030	<1	1.51	0.005	0.06	0.4	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
1221970	Soil	16	0.14	339	0.020	1	0.96	0.009	0.04	0.3	0.07	0.7	0.1	<0.05	5	0.6	<0.2
1221971	Soil	25	0.32	141	0.028	<1	1.42	0.005	0.05	0.4	0.04	2.1	0.2	<0.05	5	0.6	<0.2
1221972	Soil	22	0.26	85	0.017	<1	1.08	0.004	0.04	0.3	0.04	0.7	0.1	<0.05	4	0.6	<0.2
1221973	Soil	21	0.29	103	0.026	<1	1.28	0.004	0.05	0.3	0.03	1.8	0.2	<0.05	5	0.6	<0.2
1221974	Soil	22	0.26	112	0.015	1	1.26	0.004	0.05	0.2	0.04	0.9	0.1	<0.05	5	<0.5	<0.2
1221975	Soil	21	0.27	93	0.020	<1	1.35	0.004	0.04	0.2	0.03	1.6	0.1	<0.05	5	0.9	<0.2
1221976	Soil	25	0.37	102	0.033	1	1.54	0.005	0.05	0.2	0.03	2.5	0.1	<0.05	4	0.7	<0.2
1221977	Soil	20	0.30	134	0.023	<1	1.43	0.005	0.08	0.3	0.03	1.7	0.3	<0.05	5	<0.5	<0.2
1221978	Soil	16	0.21	66	0.037	<1	1.01	0.003	0.04	0.2	0.02	1.2	0.1	<0.05	6	<0.5	<0.2

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Report Date: October 05, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1221979	Soil		2.5	9.6	11.8	51	<0.1	12.4	5.6	162	2.14	9.2	0.8	6.9	8	0.1	0.4	0.3	42	0.07	0.018	18
1221980	Soil		1.8	12.4	10.3	58	<0.1	14.9	6.2	214	2.04	6.6	2.0	8.9	11	0.2	0.4	0.5	34	0.15	0.035	21
1221981	Soil		2.3	7.1	12.6	46	<0.1	11.3	5.0	163	2.77	12.2	<0.5	4.9	8	0.3	0.4	0.3	55	0.07	0.023	13
1221982	Soil		1.8	5.6	14.1	35	<0.1	8.1	3.5	165	2.27	9.6	<0.5	0.8	7	0.2	0.3	0.5	52	0.06	0.036	11
1221983	Soil		1.4	10.1	12.9	64	<0.1	15.0	6.6	224	3.29	12.3	0.8	3.6	8	0.3	0.6	0.3	60	0.08	0.104	12
1221984	Soil		0.8	6.8	12.4	36	<0.1	9.3	4.7	130	2.44	9.1	2.8	1.3	7	0.1	0.4	0.3	51	0.06	0.028	11
1221985	Soil		1.8	9.3	14.0	64	<0.1	13.0	5.2	210	3.60	13.9	<0.5	7.1	7	0.2	0.6	3.3	71	0.06	0.060	13
1221986	Soil		1.1	7.1	13.7	63	<0.1	11.5	4.7	162	3.00	8.3	<0.5	8.7	7	0.2	0.4	0.3	58	0.07	0.050	14
1221987	Soil		1.2	10.8	14.0	88	0.8	16.1	6.9	310	3.17	11.1	0.8	5.2	8	0.2	0.6	0.2	60	0.08	0.071	14
1221988	Soil		1.1	12.7	13.6	81	<0.1	17.8	8.7	245	2.89	14.1	<0.5	4.5	9	0.3	0.6	0.2	57	0.08	0.053	12
1221989	Soil		1.0	13.3	11.9	57	<0.1	17.3	6.9	180	2.82	12.9	3.5	7.7	7	0.2	0.6	0.2	45	0.06	0.048	11
1221990	Soil		1.3	7.8	19.8	134	0.1	13.7	8.0	394	3.07	10.0	1.0	6.7	7	0.7	0.5	0.2	61	0.07	0.072	12
1221991	Soil		1.6	9.5	44.3	188	<0.1	14.0	6.9	605	2.69	12.1	<0.5	7.1	12	1.7	0.4	0.3	47	0.13	0.055	14
1221992	Soil		0.9	11.2	34.3	128	0.1	10.8	7.4	562	1.99	7.5	2.1	5.1	11	0.9	0.4	0.4	34	0.12	0.054	22
1221993	Soil		1.6	9.4	13.3	62	<0.1	11.7	6.5	382	2.55	10.8	<0.5	7.3	23	0.4	0.4	0.3	50	0.24	0.053	15
1221994	Soil		0.6	5.5	24.4	75	0.3	7.6	3.2	225	0.86	1.4	<0.5	1.6	24	1.5	0.2	0.2	20	0.17	0.044	6
1221995	Soil		1.0	7.7	78.0	187	0.2	14.5	9.8	531	2.63	9.7	<0.5	7.8	8	1.4	0.3	0.3	56	0.09	0.043	12
1221996	Soil		1.5	6.3	48.1	106	<0.1	7.9	4.8	546	2.68	5.6	1.0	25.5	10	0.3	0.3	1.6	26	0.20	0.099	26
1221997	Soil		1.2	14.9	24.9	67	0.2	12.3	5.1	301	1.75	7.8	6.2	11.1	16	0.5	0.5	0.6	31	0.21	0.056	30
1221998	Soil		1.1	11.1	23.4	55	<0.1	10.9	6.5	283	1.70	9.5	7.5	3.5	9	0.2	0.3	0.4	28	0.09	0.051	20
1221999	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1222000	Soil		1.1	14.1	13.8	54	<0.1	15.7	8.3	687	2.23	5.9	0.9	8.2	44	0.6	0.4	0.3	45	0.40	0.054	14
1222001	Soil		0.8	8.8	11.0	52	<0.1	12.7	4.8	164	2.06	10.9	3.0	8.2	14	0.1	0.5	0.3	39	0.12	0.057	12
1222002	Soil		0.9	19.4	13.9	45	<0.1	14.0	5.1	164	2.25	17.9	2.4	1.4	8	<0.1	0.4	0.3	35	0.05	0.064	16
1222003	Soil		0.8	25.0	16.8	65	<0.1	18.3	7.4	317	2.47	24.6	5.3	7.1	7	0.1	0.5	0.3	30	0.04	0.026	21
1222004	Soil		0.7	25.8	17.5	65	<0.1	19.3	8.4	322	2.49	31.3	5.8	6.5	7	<0.1	0.5	0.3	31	0.05	0.029	24
1222005	Soil		0.8	20.5	30.4	63	<0.1	16.5	7.0	257	2.46	22.3	5.9	4.7	7	0.2	0.4	0.3	33	0.05	0.041	19
1222006	Soil		0.8	23.7	27.7	65	<0.1	14.5	5.1	143	2.09	16.9	3.9	0.6	7	<0.1	0.3	0.3	29	0.04	0.059	17
1222007	Soil		0.8	20.0	15.3	53	<0.1	15.4	7.7	313	2.24	43.0	4.9	5.0	8	0.2	0.4	0.4	35	0.04	0.032	20
1222008	Soil		0.9	12.9	13.1	29	0.2	8.2	3.5	121	1.58	25.4	4.2	0.3	6	0.3	0.3	0.3	36	0.04	0.045	13

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221979	Soil	22	0.31	142	0.028	<1	1.42	0.004	0.05	0.3	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
1221980	Soil	19	0.35	140	0.042	<1	1.29	0.005	0.08	1.3	0.01	2.2	0.3	<0.05	4	<0.5	<0.2
1221981	Soil	22	0.30	105	0.044	<1	1.34	0.005	0.05	0.4	0.01	1.9	0.2	<0.05	6	<0.5	<0.2
1221982	Soil	18	0.20	91	0.022	1	1.24	0.004	0.04	0.4	0.01	1.2	0.2	<0.05	6	0.9	<0.2
1221983	Soil	29	0.36	134	0.039	<1	1.93	0.005	0.06	0.3	0.01	2.3	0.2	<0.05	7	<0.5	<0.2
1221984	Soil	25	0.28	86	0.028	<1	1.44	0.004	0.03	0.3	0.03	1.5	0.1	<0.05	6	<0.5	<0.2
1221985	Soil	26	0.30	98	0.039	<1	1.78	0.004	0.11	0.8	0.02	2.2	0.4	<0.05	8	<0.5	<0.2
1221986	Soil	22	0.28	118	0.059	<1	2.05	0.004	0.16	0.5	0.03	2.7	0.5	<0.05	10	0.7	<0.2
1221987	Soil	28	0.37	143	0.043	2	2.43	0.005	0.11	0.4	0.05	2.6	0.3	<0.05	9	0.7	<0.2
1221988	Soil	31	0.39	218	0.036	<1	2.10	0.005	0.07	0.3	0.01	2.3	0.2	<0.05	6	0.8	<0.2
1221989	Soil	22	0.34	113	0.030	1	1.63	0.004	0.05	0.3	0.01	2.1	0.2	<0.05	5	<0.5	<0.2
1221990	Soil	26	0.34	158	0.027	<1	1.82	0.005	0.05	0.4	0.03	2.3	0.2	<0.05	7	<0.5	<0.2
1221991	Soil	25	0.35	137	0.028	1	1.66	0.005	0.05	0.3	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
1221992	Soil	18	0.28	157	0.017	<1	1.25	0.005	0.07	0.7	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1221993	Soil	20	0.28	198	0.033	<1	1.35	0.005	0.07	0.5	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
1221994	Soil	12	0.10	436	0.026	1	0.52	0.010	0.07	0.3	0.12	1.4	0.2	0.06	4	1.0	<0.2
1221995	Soil	27	0.32	165	0.030	<1	1.77	0.005	0.06	0.2	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
1221996	Soil	13	0.19	106	0.006	<1	1.40	0.003	0.12	0.8	0.02	2.7	0.4	<0.05	5	0.9	<0.2
1221997	Soil	17	0.25	184	0.014	2	0.99	0.006	0.07	1.2	0.04	2.1	0.2	<0.05	4	<0.5	<0.2
1221998	Soil	17	0.24	107	0.017	<1	1.03	0.004	0.09	1.0	0.05	1.3	0.2	<0.05	4	<0.5	<0.2
1221999	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1222000	Soil	23	0.27	387	0.046	<1	1.37	0.009	0.16	0.5	0.04	2.5	0.3	<0.05	7	0.5	<0.2
1222001	Soil	19	0.29	121	0.031	2	0.99	0.005	0.07	0.6	0.02	1.9	0.2	<0.05	4	<0.5	<0.2
1222002	Soil	24	0.31	99	0.013	<1	1.29	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1222003	Soil	23	0.39	92	0.011	<1	1.32	0.004	0.03	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222004	Soil	25	0.42	114	0.014	<1	1.32	0.004	0.05	0.1	0.02	2.1	<0.1	<0.05	4	0.5	<0.2
1222005	Soil	24	0.37	109	0.010	<1	1.55	0.004	0.03	0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222006	Soil	22	0.34	108	0.006	<1	1.34	0.009	0.03	<0.1	0.04	0.5	<0.1	0.05	4	<0.5	<0.2
1222007	Soil	21	0.36	121	0.019	<1	1.28	0.004	0.05	0.1	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222008	Soil	17	0.17	116	0.009	<1	0.98	0.005	0.03	0.2	0.03	0.5	<0.1	<0.05	4	<0.5	<0.2

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

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
1222009	Soil	0.8	29.5	10.8	55	0.3	23.8	9.9	292	2.58	47.8	14.0	8.4	8	<0.1	0.5	0.3	36	0.04	0.017	19
1222010	Soil	0.8	25.8	10.4	57	<0.1	21.1	9.1	295	2.44	31.4	6.3	7.5	10	<0.1	0.5	0.3	36	0.07	0.020	23
1222011	Soil	0.7	23.9	9.6	53	<0.1	18.1	6.9	208	2.28	22.3	3.2	4.0	9	<0.1	0.4	0.2	34	0.06	0.029	20
1222012	Soil	0.8	26.0	24.1	61	0.2	20.3	8.6	322	2.22	29.1	4.7	5.3	10	<0.1	0.5	0.2	37	0.07	0.028	21
1222013	Soil	1.2	19.7	13.2	58	0.2	22.0	10.3	271	2.81	19.4	7.4	6.2	10	0.1	0.6	0.2	52	0.08	0.019	15
1222014	Soil	0.9	17.1	15.1	85	0.3	17.4	8.2	326	2.75	17.8	2.5	4.4	10	0.4	0.5	0.2	58	0.08	0.027	14
1222015	Soil	1.3	15.7	13.2	50	0.3	20.1	11.2	725	2.63	17.2	4.1	4.2	12	0.1	0.4	0.2	54	0.11	0.020	13
1222016	Soil	1.0	29.7	12.0	51	0.5	23.2	7.6	193	2.84	38.1	5.5	4.8	9	0.1	0.7	0.2	47	0.09	0.023	15
1222017	Soil	1.0	29.8	15.5	77	0.2	25.2	9.4	290	2.61	31.6	10.8	5.6	13	0.1	0.8	0.3	45	0.14	0.038	17
1222018	Soil	0.9	25.9	22.7	74	0.2	20.8	8.5	273	2.29	35.2	4.6	5.0	11	0.3	0.6	0.4	40	0.12	0.035	16
1222019	Soil	0.9	34.5	21.1	77	0.2	25.2	10.1	326	2.64	45.8	6.5	6.9	14	0.2	0.6	0.4	41	0.13	0.036	20
1222020	Soil	0.8	28.2	13.3	72	0.1	23.0	8.8	294	2.43	36.7	7.2	6.5	14	0.2	0.5	0.4	40	0.15	0.041	18
1222021	Soil	0.9	19.8	15.9	62	0.2	20.1	7.9	281	2.22	30.9	3.8	3.9	12	0.3	0.4	0.4	37	0.13	0.048	16
1222022	Soil	0.6	27.2	15.2	63	<0.1	18.0	7.1	257	2.06	37.1	7.0	6.9	12	0.1	0.4	0.3	29	0.11	0.029	19
1222023	Soil	0.6	28.0	12.8	60	0.1	17.9	6.3	250	1.96	31.1	10.2	7.1	14	0.1	0.5	0.3	30	0.14	0.033	23
1222024	Soil	0.7	21.8	10.4	52	0.1	18.3	6.9	180	2.10	14.5	4.6	3.3	20	0.1	0.5	0.2	37	0.22	0.055	19
1222025	Soil	1.0	17.8	10.5	53	0.1	17.3	6.9	197	2.28	22.5	6.3	5.6	9	0.1	0.4	0.2	36	0.08	0.028	17
1222026	Soil	0.7	20.3	9.1	55	<0.1	17.0	6.7	220	1.96	15.7	8.0	4.1	13	0.2	0.6	0.1	32	0.16	0.064	15
1222027	Soil	0.7	19.7	11.4	53	0.1	15.9	5.7	134	2.01	15.2	6.1	2.8	14	0.1	0.4	0.2	37	0.16	0.050	17
1222028	Soil	0.8	22.3	13.7	57	0.1	17.3	7.6	210	2.29	20.0	3.0	2.8	14	<0.1	0.4	0.3	41	0.15	0.050	19
1222029	Soil	0.7	18.2	9.7	48	<0.1	15.1	6.3	184	1.89	12.7	4.0	4.5	12	0.1	0.5	0.2	38	0.11	0.030	18
1222030	Soil	0.7	20.0	10.9	51	<0.1	16.5	5.9	157	1.86	12.3	3.7	2.7	13	0.2	0.4	0.2	35	0.13	0.049	17
1222031	Soil	0.9	21.2	12.4	53	0.2	16.5	5.9	128	2.17	17.2	3.3	0.7	14	0.3	0.4	0.2	38	0.13	0.062	16
1222032	Soil	0.7	22.2	11.9	59	0.1	17.2	7.5	211	2.21	18.3	3.5	4.2	12	0.2	0.4	0.3	35	0.12	0.045	23
1222033	Soil	0.8	14.9	22.1	72	<0.1	13.3	4.6	149	2.22	54.2	10.9	0.3	9	0.7	0.7	0.4	39	0.09	0.041	12
1222034	Soil	0.8	12.3	33.5	59	0.6	11.6	3.8	106	1.43	27.6	8.3	0.5	9	0.7	0.6	0.2	28	0.07	0.036	14
1222035	Soil	0.8	21.6	53.0	83	0.2	17.6	7.1	265	1.97	33.6	4.1	1.9	14	0.6	0.7	0.2	34	0.15	0.055	14
1222036	Soil	0.7	26.5	24.0	99	0.3	21.6	9.8	372	2.27	34.2	4.8	5.5	17	0.7	0.8	0.2	37	0.18	0.063	19
1222037	Soil	0.8	22.9	19.5	66	<0.1	17.7	6.5	203	2.10	19.7	5.2	1.3	13	0.3	0.7	0.2	37	0.14	0.069	15
1222038	Soil	0.7	21.7	23.9	69	0.1	17.0	7.5	235	2.00	20.2	19.6	1.9	12	0.3	0.6	0.2	34	0.14	0.056	17

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222009	Soil	27	0.42	150	0.023	<1	1.61	0.005	0.05	0.1	0.05	2.8	0.1	<0.05	4	<0.5	<0.2
1222010	Soil	26	0.44	196	0.027	<1	1.49	0.006	0.05	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1222011	Soil	25	0.43	175	0.019	<1	1.43	0.006	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222012	Soil	26	0.42	190	0.028	<1	1.45	0.007	0.04	0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1222013	Soil	32	0.43	215	0.030	<1	1.90	0.006	0.04	0.2	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
1222014	Soil	27	0.40	178	0.022	<1	1.70	0.005	0.05	0.2	0.02	1.8	0.1	<0.05	6	<0.5	<0.2
1222015	Soil	30	0.41	224	0.026	<1	1.62	0.007	0.04	0.7	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1222016	Soil	26	0.47	121	0.021	<1	1.44	0.005	0.04	0.5	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1222017	Soil	28	0.47	255	0.025	<1	1.49	0.013	0.04	0.3	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1222018	Soil	25	0.50	194	0.022	<1	1.51	0.005	0.05	0.2	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1222019	Soil	29	0.55	220	0.036	<1	1.75	0.007	0.05	0.2	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1222020	Soil	28	0.52	193	0.035	<1	1.43	0.007	0.05	0.3	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1222021	Soil	26	0.46	180	0.026	<1	1.45	0.006	0.05	0.3	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1222022	Soil	22	0.39	154	0.028	<1	1.23	0.006	0.05	0.3	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222023	Soil	22	0.42	213	0.033	<1	1.21	0.007	0.06	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222024	Soil	25	0.38	273	0.026	2	1.29	0.009	0.04	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1222025	Soil	24	0.36	211	0.020	<1	1.53	0.005	0.04	0.3	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222026	Soil	21	0.32	113	0.027	<1	0.97	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1222027	Soil	23	0.37	204	0.020	<1	1.24	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222028	Soil	26	0.39	191	0.023	<1	1.44	0.006	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222029	Soil	22	0.36	138	0.037	<1	1.28	0.007	0.04	0.2	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1222030	Soil	24	0.36	173	0.026	<1	1.28	0.006	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222031	Soil	25	0.34	201	0.013	1	1.37	0.006	0.04	0.1	0.06	1.3	<0.1	<0.05	4	<0.5	<0.2
1222032	Soil	25	0.34	168	0.032	<1	1.30	0.005	0.03	0.2	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1222033	Soil	21	0.28	113	0.013	1	1.19	0.008	0.04	0.2	0.04	0.8	<0.1	0.07	4	<0.5	<0.2
1222034	Soil	16	0.23	87	0.015	2	0.84	0.008	0.04	0.2	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
1222035	Soil	20	0.33	142	0.022	<1	1.01	0.006	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1222036	Soil	22	0.46	235	0.038	<1	1.19	0.007	0.05	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1222037	Soil	23	0.36	143	0.023	1	1.36	0.005	0.04	0.2	0.07	1.9	<0.1	<0.05	4	<0.5	<0.2
1222038	Soil	21	0.39	132	0.027	<1	1.22	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	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
1222039	Soil	0.7	17.7	22.6	61	0.1	14.3	5.4	156	1.89	20.2	3.7	0.5	11	0.3	0.6	0.2	35	0.11	0.048	15
1222040	Soil	0.6	20.4	17.1	58	0.1	14.5	6.0	195	1.83	16.5	4.6	1.0	12	0.2	0.6	0.2	32	0.13	0.055	14
1222041	Soil	0.7	18.4	16.8	67	0.2	15.4	8.0	308	1.97	23.5	2.8	2.0	10	0.3	0.6	0.2	33	0.10	0.048	17
1222042	Soil	0.8	14.4	14.6	57	0.1	15.3	4.8	181	1.90	23.8	12.8	2.4	8	0.2	0.6	0.2	36	0.07	0.033	15
1222043	Soil	0.8	14.2	14.5	54	<0.1	13.3	5.5	182	1.92	23.3	3.2	1.1	11	0.2	0.6	0.2	32	0.10	0.048	14
1222044	Soil	0.8	18.0	12.1	53	<0.1	14.2	5.5	170	2.00	19.4	8.0	2.0	13	0.2	0.5	0.2	32	0.08	0.038	16
1222045	Soil	0.7	19.1	10.8	52	<0.1	15.8	6.2	177	2.11	14.6	2.6	3.7	12	0.2	0.6	0.2	32	0.10	0.044	14
1222046	Soil	0.9	18.3	12.4	62	<0.1	30.2	8.3	194	2.61	24.9	1.4	2.8	14	0.2	0.5	0.2	53	0.10	0.049	17
1222047	Soil	1.3	17.8	15.3	48	<0.1	15.6	6.1	173	2.25	15.2	8.8	2.7	11	0.2	0.6	0.3	41	0.06	0.030	17
1222048	Soil	1.3	19.9	14.4	54	<0.1	14.9	6.4	202	2.71	25.8	3.0	5.6	13	0.2	0.7	0.3	47	0.06	0.034	22
1222049	Soil	0.9	17.0	11.8	47	<0.1	13.7	5.3	147	2.26	19.4	3.1	4.2	14	0.2	0.6	0.3	39	0.06	0.031	19
1222050	Soil	0.8	20.3	13.7	34	<0.1	10.7	4.2	101	1.96	14.9	2.0	1.8	14	0.2	0.4	0.2	33	0.07	0.032	19
1222051	Soil	0.8	25.1	10.5	56	0.1	17.9	8.2	223	2.53	19.4	10.1	6.1	16	0.2	0.6	0.2	35	0.09	0.039	19
1222052	Soil	1.2	27.7	13.8	58	0.2	17.6	6.8	232	2.69	23.6	7.5	1.9	18	0.2	0.5	0.3	38	0.10	0.058	22
1222053	Soil	1.0	45.8	13.4	30	0.7	12.4	3.5	70	1.69	12.1	5.0	0.3	16	0.5	0.3	0.3	27	0.05	0.046	18
1222054	Soil	0.8	26.7	13.3	70	0.2	20.7	9.1	247	2.34	17.3	3.0	6.9	17	0.3	0.6	0.2	31	0.14	0.055	18
1222055	Soil	0.8	30.6	12.4	71	0.1	21.1	8.9	197	2.49	15.0	6.3	8.8	17	0.1	0.5	0.3	31	0.13	0.043	26
1222056	Soil	0.9	27.2	14.0	66	0.2	19.4	8.7	199	2.59	17.1	8.8	5.4	17	0.2	0.5	0.3	33	0.11	0.046	24
1222057	Soil	0.8	22.3	11.3	62	0.2	15.4	6.5	134	2.41	17.2	6.3	4.9	14	0.2	0.5	0.3	32	0.10	0.047	21
1222058	Soil	0.7	16.1	11.1	48	0.1	12.0	4.4	90	2.01	14.0	2.9	0.9	13	0.2	0.4	0.3	29	0.09	0.050	17
1222059	Soil	0.7	15.5	12.0	56	0.1	13.8	5.2	106	2.16	14.7	2.0	3.0	12	0.1	0.4	0.3	30	0.10	0.046	18
1222060	Soil	0.7	15.1	11.2	46	0.2	12.5	4.4	88	2.05	16.4	2.8	1.3	13	0.2	0.4	0.3	29	0.10	0.055	17
1222061	Soil	0.6	15.5	11.5	51	0.1	12.6	4.5	94	1.97	14.0	2.6	2.4	12	0.2	0.4	0.3	30	0.10	0.045	18
1222062	Soil	0.6	15.8	8.7	52	<0.1	13.1	5.4	133	1.89	12.2	3.2	6.1	12	0.1	0.4	0.2	27	0.12	0.039	21
1222063	Soil	0.7	18.2	13.3	51	0.1	13.3	5.1	119	1.99	15.2	9.1	1.7	14	0.2	0.4	0.3	31	0.11	0.041	17
1222064	Soil	0.8	18.0	14.8	53	0.2	14.6	6.2	128	2.35	18.6	3.1	2.7	13	0.1	0.5	0.3	33	0.11	0.046	18
1222065	Soil	0.6	14.6	14.0	52	0.1	12.2	4.8	103	1.73	11.9	1.9	1.3	13	0.2	0.4	0.3	31	0.11	0.038	17
1222066	Soil	0.8	23.8	22.4	70	0.5	19.5	9.4	308	2.48	22.9	2.8	3.9	16	0.3	0.9	0.4	32	0.14	0.058	20
1222067	Soil	0.6	13.0	15.2	55	0.2	12.8	4.4	111	1.82	13.8	1.4	3.6	12	0.2	0.5	0.3	26	0.11	0.045	20
1222068	Soil	0.6	21.9	14.5	51	0.2	14.2	4.8	126	1.76	12.7	2.9	1.0	17	0.4	0.4	0.3	26	0.16	0.056	16

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222039	Soil	22	0.34	118	0.018	<1	1.18	0.005	0.04	0.2	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1222040	Soil	19	0.32	103	0.020	<1	1.05	0.005	0.03	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1222041	Soil	21	0.35	111	0.025	<1	1.20	0.005	0.07	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1222042	Soil	21	0.41	93	0.034	<1	1.29	0.005	0.09	0.3	0.04	1.5	0.1	<0.05	5	<0.5	<0.2
1222043	Soil	20	0.32	90	0.021	<1	1.17	0.005	0.05	0.3	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1222044	Soil	21	0.38	101	0.026	<1	1.28	0.005	0.06	0.2	0.05	1.4	0.1	<0.05	4	<0.5	<0.2
1222045	Soil	20	0.37	95	0.027	<1	1.41	0.005	0.05	0.2	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
1222046	Soil	45	0.57	133	0.050	<1	1.83	0.006	0.13	0.2	0.04	2.3	0.2	<0.05	6	<0.5	<0.2
1222047	Soil	24	0.31	90	0.032	<1	1.29	0.006	0.06	0.2	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1222048	Soil	24	0.35	89	0.029	<1	1.36	0.007	0.06	0.2	0.02	1.6	0.1	<0.05	6	<0.5	<0.2
1222049	Soil	20	0.31	95	0.033	<1	1.16	0.007	0.06	0.2	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1222050	Soil	18	0.23	111	0.019	<1	1.26	0.006	0.05	0.1	0.03	1.1	0.1	<0.05	5	<0.5	<0.2
1222051	Soil	23	0.41	120	0.037	<1	1.32	0.007	0.09	0.2	0.03	2.0	0.2	<0.05	4	<0.5	<0.2
1222052	Soil	27	0.39	119	0.027	<1	1.49	0.008	0.10	0.2	0.04	1.4	0.2	0.05	5	<0.5	<0.2
1222053	Soil	15	0.18	123	0.014	<1	1.10	0.009	0.06	0.2	0.06	0.5	0.1	0.06	4	<0.5	<0.2
1222054	Soil	22	0.41	112	0.042	<1	1.10	0.007	0.10	0.2	0.02	1.8	0.2	<0.05	3	<0.5	<0.2
1222055	Soil	24	0.48	182	0.045	<1	1.45	0.006	0.11	0.2	0.04	2.1	0.2	<0.05	4	<0.5	<0.2
1222056	Soil	24	0.46	191	0.028	<1	1.56	0.006	0.08	0.2	0.04	2.1	0.2	<0.05	4	<0.5	<0.2
1222057	Soil	22	0.44	137	0.026	<1	1.38	0.006	0.06	0.2	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
1222058	Soil	19	0.33	124	0.017	<1	1.15	0.006	0.05	0.2	0.05	1.0	0.1	0.06	4	<0.5	<0.2
1222059	Soil	20	0.37	125	0.023	<1	1.28	0.005	0.05	0.3	0.04	1.4	0.1	<0.05	4	<0.5	<0.2
1222060	Soil	19	0.31	129	0.017	<1	1.13	0.005	0.05	0.3	0.06	1.1	0.1	0.06	4	<0.5	<0.2
1222061	Soil	20	0.33	115	0.022	<1	1.27	0.005	0.05	0.3	0.05	1.4	0.1	<0.05	4	<0.5	<0.2
1222062	Soil	19	0.34	100	0.037	<1	1.05	0.005	0.05	0.3	0.03	1.5	0.1	<0.05	3	<0.5	<0.2
1222063	Soil	21	0.32	137	0.017	<1	1.17	0.005	0.05	0.2	0.05	1.3	0.1	<0.05	4	<0.5	<0.2
1222064	Soil	22	0.35	144	0.022	<1	1.31	0.005	0.06	0.3	0.05	1.7	0.1	<0.05	4	<0.5	<0.2
1222065	Soil	19	0.32	123	0.020	<1	1.22	0.005	0.05	0.2	0.05	1.1	0.1	<0.05	4	<0.5	<0.2
1222066	Soil	23	0.36	180	0.020	<1	1.43	0.006	0.06	0.3	0.06	2.0	0.1	<0.05	4	<0.5	<0.2
1222067	Soil	18	0.33	111	0.024	<1	1.11	0.005	0.05	0.3	0.04	1.3	0.1	<0.05	4	<0.5	<0.2
1222068	Soil	18	0.28	160	0.018	<1	1.02	0.006	0.05	0.3	0.04	1.1	<0.1	0.05	3	<0.5	<0.2

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Project: LUG
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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
1222201	Soil	1.5	12.3	11.5	53	<0.1	14.7	6.5	261	2.69	15.7	4.1	1.9	7	0.2	0.8	0.3	53	0.06	0.030	10
1222202	Soil	1.0	11.9	13.1	44	<0.1	12.4	5.5	164	2.49	15.4	5.5	1.4	8	0.1	0.7	0.3	47	0.07	0.048	13
1222203	Soil	1.2	14.0	13.9	53	<0.1	13.2	7.1	388	2.79	22.4	2.8	0.7	7	0.2	0.8	0.3	52	0.06	0.050	10
1222204	Soil	0.9	18.3	18.3	47	<0.1	15.3	6.7	198	2.16	40.7	12.0	1.3	9	0.1	1.0	0.2	37	0.08	0.039	14
1222205	Soil	0.9	12.3	11.9	36	<0.1	12.2	4.5	145	1.81	21.7	5.2	0.9	7	0.1	0.6	0.2	39	0.06	0.038	12
1222206	Soil	0.8	13.3	9.0	36	<0.1	12.9	4.9	133	1.93	11.1	1.7	0.9	9	<0.1	0.5	0.2	37	0.08	0.042	12
1222207	Soil	0.7	16.3	11.2	37	<0.1	13.0	5.0	125	1.85	11.5	5.5	0.5	10	<0.1	0.6	0.2	35	0.10	0.058	12
1222208	Soil	1.1	14.7	12.6	46	0.3	18.4	8.3	234	2.64	15.3	4.3	2.4	12	0.2	0.7	0.2	44	0.12	0.031	11
1222209	Soil	1.2	14.0	16.6	61	0.3	15.8	6.8	223	3.26	296.8	7.4	3.5	10	0.2	1.9	0.3	50	0.10	0.030	11
1222210	Soil	1.1	12.4	12.6	38	<0.1	13.8	6.6	166	2.39	12.9	2.4	3.5	14	<0.1	0.6	0.2	47	0.13	0.027	13
1222211	Soil	0.8	9.5	12.8	22	0.3	6.2	2.1	68	1.12	18.9	1.9	0.4	9	0.2	0.4	0.3	35	0.08	0.033	13
1222212	Soil	1.1	10.4	21.6	30	0.2	9.5	5.4	225	2.13	42.9	2.4	4.9	9	0.2	0.7	0.5	46	0.08	0.023	18
1222213	Soil	0.8	14.3	10.6	54	<0.1	17.6	8.3	262	2.28	13.4	9.8	1.7	16	0.2	0.7	0.2	40	0.18	0.077	13
1222214	Soil	0.7	7.2	9.3	22	<0.1	6.9	2.3	80	1.09	7.8	3.1	0.5	7	0.2	0.4	0.2	33	0.05	0.020	12
1222215	Soil	0.8	10.1	11.7	30	<0.1	10.3	3.9	122	2.01	12.0	2.2	2.6	8	<0.1	0.6	0.2	46	0.07	0.024	13
1222216	Soil	0.7	6.0	12.8	26	<0.1	8.5	3.4	92	2.02	10.3	2.3	2.1	7	<0.1	0.5	0.2	50	0.06	0.022	11
1222217	Soil	0.8	12.5	11.2	38	<0.1	14.0	5.1	137	2.45	12.5	1.6	3.4	7	0.1	0.8	0.2	34	0.07	0.036	11
1222218	Soil	0.8	25.7	15.2	43	<0.1	14.6	5.8	131	2.39	10.2	2.3	3.6	8	<0.1	0.7	0.3	33	0.05	0.029	20
1222219	Soil	0.9	12.2	15.9	30	<0.1	10.1	3.7	94	1.73	7.3	1.8	0.5	8	<0.1	0.5	0.3	38	0.06	0.031	19
1222220	Soil	0.9	16.5	11.7	41	<0.1	15.2	5.2	131	2.41	11.6	2.9	1.6	7	<0.1	0.7	0.2	35	0.05	0.037	17
1222221	Soil	0.9	15.4	11.5	48	<0.1	16.3	6.0	179	2.38	11.2	2.8	4.4	9	<0.1	0.7	0.2	37	0.08	0.025	17
1222222	Soil	0.9	25.3	13.5	51	<0.1	19.9	8.8	219	2.48	20.6	8.4	5.3	10	<0.1	1.1	0.2	45	0.08	0.024	17
1222223	Soil	1.1	11.5	14.7	39	<0.1	13.6	5.3	165	2.18	27.1	5.2	2.5	9	<0.1	1.0	0.2	40	0.06	0.025	20
1222224	Soil	1.0	22.1	12.1	52	<0.1	17.9	6.8	202	2.51	31.9	8.6	4.5	10	<0.1	1.2	0.2	43	0.07	0.025	17
1222225	Soil	1.0	15.6	14.5	47	<0.1	16.4	7.7	224	2.45	16.0	3.3	5.4	9	<0.1	0.6	0.2	47	0.06	0.023	16
1222226	Soil	0.9	23.9	14.6	59	<0.1	21.3	9.1	272	2.63	12.0	3.8	7.2	8	0.1	0.8	0.2	45	0.06	0.017	19
1222227	Soil	0.9	25.7	14.6	56	<0.1	22.9	9.3	263	2.57	12.3	2.9	7.2	9	<0.1	0.7	0.2	42	0.06	0.016	23
1222228	Soil	1.0	23.9	13.1	56	<0.1	22.7	8.1	220	2.52	10.0	3.1	6.5	9	<0.1	0.7	0.2	37	0.07	0.020	26
1222229	Soil	0.9	22.0	12.0	53	<0.1	19.6	8.0	214	2.53	11.1	3.4	5.4	9	<0.1	0.7	0.3	46	0.08	0.019	19
1222230	Soil	0.8	21.0	16.5	50	<0.1	18.0	7.4	199	2.34	12.2	4.2	6.4	9	<0.1	0.7	0.2	39	0.07	0.018	21

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

Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222201	Soil	24	0.33	100	0.032	2	1.36	0.006	0.04	0.2	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1222202	Soil	28	0.33	104	0.024	1	1.40	0.006	0.03	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1222203	Soil	21	0.30	98	0.023	1	1.22	0.005	0.04	0.2	0.02	1.1	0.1	<0.05	5	<0.5	<0.2
1222204	Soil	20	0.34	138	0.019	1	1.25	0.005	0.03	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1222205	Soil	20	0.25	81	0.022	1	1.04	0.004	0.03	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1222206	Soil	19	0.30	111	0.025	<1	1.03	0.006	0.03	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1222207	Soil	19	0.29	96	0.016	<1	1.05	0.005	0.02	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1222208	Soil	23	0.33	142	0.025	1	1.37	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	4	<0.5	<0.2
1222209	Soil	21	0.33	142	0.024	<1	1.46	0.004	0.05	1.4	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1222210	Soil	24	0.32	221	0.026	<1	1.54	0.005	0.03	0.2	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1222211	Soil	11	0.07	123	0.023	<1	0.74	0.004	0.02	0.2	0.02	0.5	<0.1	<0.05	4	<0.5	<0.2
1222212	Soil	18	0.21	195	0.021	<1	1.36	0.004	0.03	0.2	0.01	1.3	0.1	<0.05	6	<0.5	<0.2
1222213	Soil	21	0.33	146	0.029	<1	1.24	0.006	0.03	0.3	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222214	Soil	13	0.13	73	0.025	<1	0.74	0.004	0.03	0.1	0.03	0.6	0.1	<0.05	5	<0.5	<0.2
1222215	Soil	16	0.22	84	0.029	<1	0.99	0.004	0.03	0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1222216	Soil	19	0.23	112	0.026	<1	1.28	0.004	0.02	0.2	0.02	1.3	0.1	<0.05	6	<0.5	<0.2
1222217	Soil	20	0.31	86	0.024	<1	1.17	0.004	0.03	0.3	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1222218	Soil	20	0.34	103	0.017	<1	1.26	0.005	0.03	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1222219	Soil	16	0.21	124	0.018	<1	1.02	0.004	0.03	0.1	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2
1222220	Soil	22	0.31	87	0.015	<1	1.20	0.004	0.03	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1222221	Soil	22	0.37	109	0.022	<1	1.34	0.004	0.03	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222222	Soil	27	0.40	161	0.034	<1	1.50	0.005	0.04	0.4	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1222223	Soil	20	0.32	124	0.021	1	1.28	0.004	0.04	0.2	0.01	1.3	0.1	<0.05	5	<0.5	<0.2
1222224	Soil	24	0.40	135	0.031	<1	1.27	0.005	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222225	Soil	25	0.37	165	0.032	<1	1.49	0.005	0.04	0.2	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
1222226	Soil	28	0.43	170	0.040	1	1.59	0.005	0.04	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1222227	Soil	28	0.40	179	0.036	<1	1.48	0.005	0.04	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
1222228	Soil	27	0.45	155	0.026	<1	1.56	0.004	0.04	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1222229	Soil	24	0.39	177	0.033	<1	1.44	0.005	0.03	0.2	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1222230	Soil	24	0.38	176	0.026	<1	1.38	0.005	0.03	0.2	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

		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
1222231	Soil		0.6	27.6	13.4	53	<0.1	17.8	6.2	235	2.54	10.3	2.2	10.3	7	<0.1	3.5	0.3	26	0.05	0.015	38
1222232	Soil		1.2	17.9	13.2	50	<0.1	19.8	9.0	220	2.80	13.5	3.3	5.0	9	0.1	0.8	0.2	56	0.08	0.027	13
1222233	Soil		0.9	35.6	15.7	63	<0.1	25.5	11.7	302	2.97	17.2	3.3	10.1	7	<0.1	0.8	0.3	41	0.05	0.016	30
1222234	Soil		0.8	26.4	13.7	54	<0.1	24.1	10.2	291	2.67	13.6	2.0	8.3	8	<0.1	1.5	0.2	38	0.06	0.013	25
1222235	Soil		0.9	15.2	11.4	43	<0.1	16.2	7.0	169	2.42	13.0	3.0	4.6	8	<0.1	0.8	0.2	45	0.06	0.017	15
1222236	Soil		1.1	18.3	12.3	53	<0.1	22.1	9.1	213	2.95	38.4	9.1	5.8	8	0.1	19.9	0.2	53	0.06	0.023	13
1222237	Soil		0.9	13.1	13.0	37	<0.1	11.3	5.8	197	2.28	9.2	4.8	0.9	9	<0.1	1.1	0.3	52	0.08	0.027	11
1222238	Soil		1.1	31.0	12.9	68	<0.1	25.4	11.8	305	2.85	17.0	6.7	5.2	9	0.1	3.1	0.3	53	0.07	0.018	16
1222239	Soil		0.9	15.3	10.8	45	0.1	16.5	7.4	201	2.38	15.0	13.8	4.1	7	<0.1	1.5	0.2	50	0.05	0.015	13
1222240	Soil		0.7	7.8	10.6	25	<0.1	6.5	3.0	98	1.97	8.5	1.6	1.7	6	<0.1	0.6	0.2	46	0.04	0.022	10
1222241	Soil		0.9	10.9	11.6	36	<0.1	13.9	4.7	131	2.44	14.8	1.6	3.5	5	0.1	1.9	0.2	43	0.04	0.032	15
1222242	Soil		0.8	21.8	11.0	55	<0.1	20.2	7.9	239	2.32	15.4	3.0	6.5	7	<0.1	2.4	0.2	32	0.04	0.016	23
1222243	Soil		0.8	10.2	10.9	43	<0.1	13.1	6.1	220	2.19	10.4	4.9	3.2	7	0.1	0.8	0.2	44	0.06	0.027	11
1222244	Soil		0.9	26.3	11.2	54	<0.1	20.5	8.1	192	2.28	12.3	3.1	7.3	6	<0.1	2.1	0.2	32	0.04	0.014	22
1222245	Soil		0.8	23.1	10.6	53	<0.1	18.0	7.4	180	2.29	11.7	3.2	5.8	7	<0.1	1.5	0.2	38	0.05	0.016	17
1222246	Soil		0.8	16.8	8.7	45	<0.1	15.8	5.7	135	1.94	8.7	5.7	2.9	7	<0.1	1.0	0.2	40	0.05	0.016	14
1222247	Soil		0.8	19.5	11.3	45	<0.1	16.2	6.6	189	2.10	10.3	3.3	4.8	8	0.1	0.8	0.2	40	0.07	0.014	15
1222248	Soil		0.6	14.7	11.7	41	<0.1	13.9	5.8	165	1.84	9.1	2.8	4.2	8	<0.1	0.6	0.2	36	0.07	0.012	15
1222451	Soil		0.6	21.2	10.8	50	<0.1	16.7	7.0	194	2.11	9.7	10.9	2.8	10	0.2	0.6	0.2	31	0.11	0.042	16
1222452	Soil		0.9	28.4	26.3	69	0.1	15.0	5.9	234	2.75	100.4	9.6	4.5	11	0.3	1.0	1.2	31	0.06	0.033	21
1222453	Soil		0.8	25.9	18.0	61	0.1	14.9	6.6	236	2.43	99.8	25.6	4.9	12	0.2	0.9	0.7	29	0.10	0.038	24
1222454	Soil		0.8	12.7	12.7	36	<0.1	9.7	3.9	134	1.81	29.2	4.3	0.9	8	0.2	0.6	0.3	36	0.06	0.028	14
1222455	Soil		0.8	17.4	18.9	93	0.2	18.4	9.2	358	2.22	17.8	2.2	2.8	11	0.8	0.8	0.2	35	0.13	0.056	15
1222456	Soil		0.7	26.5	23.2	73	0.2	19.5	8.5	291	2.18	20.1	4.5	2.4	12	0.4	0.7	0.2	38	0.14	0.059	17
1222457	Soil		0.6	19.2	17.0	54	<0.1	14.7	6.0	159	1.71	15.6	2.9	1.4	11	0.3	0.6	0.2	31	0.13	0.052	14
1222458	Soil		0.9	22.7	21.7	72	<0.1	18.4	8.4	264	2.35	75.7	8.8	1.9	12	0.4	0.7	0.6	40	0.10	0.043	22
1222459	Soil		0.9	21.7	15.3	55	0.1	18.2	6.6	186	2.14	82.0	39.9	3.8	11	0.2	0.8	0.8	36	0.10	0.038	18
1222460	Soil		0.8	18.4	11.6	51	<0.1	17.5	6.4	200	2.20	40.5	15.0	2.5	14	0.2	0.7	0.4	42	0.15	0.048	19
1222461	Soil		0.7	15.2	11.3	30	<0.1	9.5	3.9	122	1.51	23.1	10.1	0.3	8	0.2	0.4	0.4	28	0.05	0.037	19
1222462	Soil		1.2	19.2	22.5	72	0.1	19.6	8.3	264	2.93	36.8	6.7	4.4	8	0.6	1.0	0.4	47	0.06	0.033	11

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222231	Soil	22	0.44	112	0.016	<1	1.30	0.005	0.03	0.2	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1222232	Soil	32	0.39	187	0.032	<1	2.10	0.006	0.04	0.2	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1222233	Soil	29	0.48	168	0.028	<1	1.77	0.005	0.04	0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
1222234	Soil	26	0.39	190	0.029	<1	1.51	0.006	0.03	0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
1222235	Soil	25	0.35	159	0.033	<1	1.56	0.005	0.03	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1222236	Soil	31	0.38	189	0.035	1	2.00	0.005	0.04	0.2	0.03	2.4	0.1	<0.05	5	<0.5	<0.2
1222237	Soil	23	0.27	147	0.019	<1	1.40	0.005	0.02	0.2	0.01	1.4	0.1	<0.05	6	<0.5	<0.2
1222238	Soil	30	0.47	195	0.041	1	1.80	0.006	0.04	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
1222239	Soil	24	0.33	162	0.024	<1	1.52	0.004	0.02	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1222240	Soil	17	0.19	90	0.020	<1	0.98	0.003	0.02	0.2	0.01	1.2	0.1	<0.05	5	<0.5	<0.2
1222241	Soil	17	0.22	71	0.015	<1	1.09	0.003	0.02	0.2	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1222242	Soil	21	0.38	134	0.020	<1	1.25	0.004	0.03	0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1222243	Soil	21	0.31	150	0.019	<1	1.31	0.004	0.03	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1222244	Soil	21	0.34	115	0.018	<1	1.32	0.004	0.03	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1222245	Soil	21	0.34	146	0.020	<1	1.31	0.004	0.03	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222246	Soil	20	0.33	131	0.023	<1	1.22	0.005	0.03	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222247	Soil	22	0.34	191	0.026	<1	1.20	0.005	0.03	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222248	Soil	21	0.33	157	0.027	<1	1.15	0.005	0.02	0.2	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1222451	Soil	21	0.38	82	0.020	<1	1.15	0.005	0.04	0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1222452	Soil	21	0.42	83	0.016	<1	1.35	0.005	0.04	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222453	Soil	20	0.41	113	0.019	<1	1.21	0.004	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222454	Soil	17	0.24	65	0.017	<1	0.94	0.004	0.03	0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
1222455	Soil	19	0.35	120	0.024	<1	1.22	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1222456	Soil	22	0.37	153	0.024	<1	1.23	0.005	0.04	0.2	0.05	2.1	0.1	<0.05	4	<0.5	<0.2
1222457	Soil	17	0.31	77	0.023	<1	0.90	0.004	0.04	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1222458	Soil	25	0.38	107	0.025	<1	1.33	0.005	0.05	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222459	Soil	20	0.35	78	0.029	<1	1.21	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222460	Soil	24	0.38	114	0.038	2	1.44	0.006	0.05	0.2	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
1222461	Soil	16	0.18	77	0.008	<1	1.03	0.003	0.03	<0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
1222462	Soil	25	0.36	74	0.031	1	1.40	0.004	0.04	0.3	0.04	2.1	0.1	<0.05	4	<0.5	<0.2

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

Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222463	Soil		0.9	25.7	335.9	134	0.4	15.7	5.9	351	2.33	90.6	15.6	5.0	9	1.4	1.1	1.1	28	0.07	0.035	28
1222464	Soil		0.6	12.8	123.9	105	2.2	13.4	7.5	361	2.43	175.6	64.7	3.6	9	1.0	2.1	1.6	42	0.07	0.038	11
1222465	Soil		0.9	41.9	67.6	114	0.9	23.5	10.7	435	2.38	114.3	87.2	6.0	13	1.0	1.1	1.6	38	0.11	0.042	23
1222466	Soil		0.6	12.3	20.3	38	<0.1	7.9	2.9	92	1.54	26.9	14.2	0.3	10	0.4	0.4	0.5	30	0.10	0.048	12
1222467	Soil		0.7	14.4	11.2	42	<0.1	11.0	4.1	112	1.71	23.4	11.6	0.6	9	0.3	0.4	0.5	33	0.09	0.040	13
1222468	Soil		0.8	19.4	12.4	52	0.2	15.2	7.6	212	2.16	24.4	5.6	2.5	10	0.3	0.6	0.4	38	0.10	0.041	18
1222469	Soil		0.8	35.8	36.6	78	0.2	23.8	18.1	367	2.60	105.0	19.7	6.9	19	0.5	1.2	0.8	29	0.06	0.033	33
1222470	Soil		0.9	25.7	11.1	62	<0.1	21.4	9.1	281	2.38	23.5	4.8	5.1	14	0.3	0.7	0.4	41	0.11	0.023	18
1222471	Soil		1.3	11.3	12.6	51	<0.1	10.8	7.3	282	2.90	16.8	5.7	3.1	9	0.4	0.6	0.4	63	0.07	0.047	8
1222472	Soil		1.4	11.3	13.8	45	0.1	10.1	5.8	216	3.14	67.9	24.1	2.8	8	0.4	0.7	0.5	64	0.07	0.037	9
1222473	Soil		1.2	10.4	12.5	37	<0.1	8.7	3.7	123	2.70	34.7	8.2	2.5	7	0.2	0.6	0.4	70	0.06	0.024	10
1222474	Soil		0.9	20.2	11.5	55	0.2	18.1	8.8	291	2.29	86.7	19.2	4.7	20	0.2	0.5	0.5	42	0.19	0.056	13
1222475	Soil		1.1	22.2	12.1	63	0.1	17.3	8.7	309	3.02	58.3	12.1	4.5	21	0.3	0.5	0.6	43	0.18	0.061	22
1222476	Soil		1.0	19.0	10.1	67	0.2	17.7	9.4	271	2.46	41.8	19.6	4.8	24	0.2	0.4	0.4	40	0.28	0.062	15
1222477	Soil		0.9	16.0	10.4	55	0.2	14.3	7.2	219	2.34	31.4	8.4	4.0	21	0.2	0.3	0.4	35	0.24	0.061	17
1222478	Soil		0.5	11.7	9.8	37	0.2	10.3	3.7	100	1.74	30.2	8.3	1.8	19	0.1	0.3	0.3	26	0.19	0.060	14
1222479	Soil		0.5	15.2	9.5	44	0.3	12.4	4.1	98	2.03	34.8	7.3	1.7	16	0.3	0.3	0.3	28	0.20	0.065	14
1222480	Soil		0.9	11.9	10.4	48	0.2	12.9	4.7	122	2.09	30.9	15.9	2.9	14	0.1	0.4	0.3	35	0.16	0.058	15
1222481	Soil		0.7	14.9	11.3	49	0.2	13.4	4.8	115	2.09	26.6	10.5	2.3	15	0.2	0.4	0.3	34	0.16	0.057	15
1222482	Soil		0.6	12.2	9.9	47	0.2	12.9	4.7	103	1.95	22.4	5.6	1.0	17	0.2	0.3	0.2	29	0.17	0.061	13
1222483	Soil		0.6	10.3	9.7	44	0.2	11.0	4.2	97	1.78	21.1	5.4	1.4	14	0.2	0.3	0.2	30	0.15	0.053	13
1222484	Soil		0.8	15.2	9.3	49	0.1	13.5	5.1	130	2.39	27.6	7.2	2.3	16	0.2	0.4	0.2	38	0.19	0.073	14
1222485	Soil		0.8	16.1	12.3	51	0.2	13.9	5.1	130	1.89	24.4	27.3	1.8	17	0.2	0.4	0.2	37	0.18	0.063	13
1222486	Soil		0.6	20.3	11.3	59	0.2	14.6	5.3	115	1.77	13.8	4.1	2.5	16	0.3	0.5	0.2	34	0.17	0.056	15
1222487	Soil		0.5	13.6	10.7	48	0.1	12.4	4.6	105	1.70	20.4	32.3	1.3	16	0.2	0.4	0.2	34	0.17	0.055	13
1222488	Soil		0.7	12.7	10.8	52	0.2	13.2	4.9	107	2.26	36.6	3.7	1.5	17	0.2	0.4	0.2	39	0.17	0.064	13
1222489	Soil		0.7	13.7	10.9	52	0.1	13.1	5.0	120	2.34	33.6	6.8	1.5	16	0.2	0.5	0.2	41	0.18	0.066	13
1222490	Soil		0.8	14.3	10.0	47	<0.1	12.3	4.6	111	2.04	23.7	3.7	1.2	12	0.1	0.5	0.2	35	0.14	0.059	12
1222491	Soil		0.6	18.7	12.5	54	0.2	15.8	5.2	129	1.86	19.0	7.9	1.5	14	0.2	0.5	0.2	31	0.15	0.062	13
1222492	Soil		0.7	16.8	11.9	52	0.2	14.6	5.1	115	2.09	18.2	4.7	1.3	12	0.2	0.5	0.2	35	0.14	0.054	13

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

Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222463	Soil	16	0.22	51	0.013	<1	0.89	0.004	0.05	0.2	0.02	1.2	0.1	<0.05	3	<0.5	<0.2
1222464	Soil	28	0.33	83	0.024	<1	2.01	0.006	0.03	0.2	0.08	1.7	0.1	<0.05	4	<0.5	<0.2
1222465	Soil	30	0.45	169	0.029	<1	1.27	0.005	0.05	0.5	0.05	3.4	0.1	<0.05	4	<0.5	<0.2
1222466	Soil	17	0.22	60	0.012	<1	0.94	0.004	0.03	0.2	0.04	0.5	<0.1	<0.05	3	<0.5	<0.2
1222467	Soil	19	0.28	70	0.015	<1	1.08	0.005	0.03	0.3	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1222468	Soil	23	0.35	112	0.025	1	1.38	0.006	0.04	0.2	0.05	1.9	<0.1	<0.05	4	<0.5	<0.2
1222469	Soil	18	0.37	99	0.014	<1	1.29	0.004	0.05	0.1	0.03	1.7	0.1	<0.05	3	<0.5	<0.2
1222470	Soil	24	0.48	177	0.035	<1	1.50	0.006	0.04	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1222471	Soil	23	0.19	134	0.027	<1	2.52	0.005	0.03	0.2	0.07	2.0	0.2	<0.05	6	<0.5	<0.2
1222472	Soil	21	0.27	104	0.034	<1	1.92	0.005	0.03	0.3	0.03	1.8	0.1	<0.05	7	<0.5	<0.2
1222473	Soil	18	0.23	72	0.044	<1	1.34	0.004	0.03	0.3	0.03	1.5	0.1	<0.05	7	<0.5	<0.2
1222474	Soil	21	0.42	184	0.040	<1	1.70	0.012	0.06	1.2	0.05	2.5	0.1	<0.05	5	<0.5	<0.2
1222475	Soil	23	0.49	187	0.030	2	1.52	0.007	0.06	0.4	0.02	2.2	0.1	<0.05	6	0.6	<0.2
1222476	Soil	24	0.52	215	0.032	2	1.56	0.011	0.07	0.8	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1222477	Soil	21	0.48	199	0.024	1	1.43	0.008	0.05	0.5	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1222478	Soil	19	0.31	165	0.018	1	1.13	0.007	0.03	0.3	0.04	1.6	0.1	<0.05	4	0.5	<0.2
1222479	Soil	19	0.34	202	0.019	2	1.17	0.007	0.04	0.2	0.05	1.7	0.1	<0.05	4	<0.5	<0.2
1222480	Soil	19	0.38	116	0.024	1	1.16	0.006	0.04	0.5	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1222481	Soil	20	0.38	161	0.021	2	1.24	0.006	0.04	0.4	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1222482	Soil	20	0.33	184	0.017	1	1.22	0.007	0.04	0.3	0.06	1.4	0.1	<0.05	4	0.6	<0.2
1222483	Soil	19	0.32	144	0.018	1	1.14	0.006	0.04	0.3	0.05	1.6	0.1	<0.05	4	<0.5	<0.2
1222484	Soil	20	0.37	142	0.030	1	1.10	0.007	0.05	0.3	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1222485	Soil	21	0.36	217	0.017	1	1.22	0.006	0.04	0.4	0.06	1.8	<0.1	<0.05	4	<0.5	<0.2
1222486	Soil	21	0.38	233	0.023	1	1.29	0.007	0.04	0.3	0.05	2.2	0.1	<0.05	4	<0.5	<0.2
1222487	Soil	20	0.35	187	0.022	1	1.21	0.006	0.04	0.2	0.06	1.7	0.1	<0.05	4	<0.5	<0.2
1222488	Soil	20	0.35	203	0.020	<1	1.29	0.006	0.04	0.2	0.07	1.8	0.1	<0.05	4	0.7	<0.2
1222489	Soil	21	0.34	185	0.024	<1	1.26	0.006	0.04	0.3	0.05	1.9	0.1	<0.05	4	0.5	<0.2
1222490	Soil	20	0.33	134	0.019	<1	1.13	0.005	0.04	0.4	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222491	Soil	20	0.34	182	0.019	1	1.29	0.005	0.05	0.3	0.05	1.7	0.1	<0.05	4	<0.5	<0.2
1222492	Soil	21	0.34	171	0.021	<1	1.27	0.005	0.05	0.2	0.04	1.6	0.1	<0.05	4	0.6	<0.2

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Project: LUG
Report Date: October 05, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222493	Soil		0.7	14.2	12.2	53	0.1	13.4	5.0	103	2.02	21.0	4.5	1.6	12	0.1	0.5	0.2	36	0.14	0.062	13
1222494	Soil		0.5	14.0	8.1	52	<0.1	12.7	5.0	100	1.88	24.4	16.0	3.3	17	0.2	0.6	0.1	40	0.22	0.091	11
1222495	Soil		1.1	24.1	15.2	61	<0.1	22.0	9.1	254	2.72	13.2	4.2	3.7	10	0.5	0.7	0.2	40	0.09	0.043	12
1222496	Soil		1.1	21.9	49.2	60	0.3	15.5	5.8	192	2.59	16.5	7.6	0.6	11	0.3	0.7	0.2	44	0.08	0.059	12
1222497	Soil		1.1	22.2	16.0	58	0.1	19.4	7.9	242	2.92	12.4	2.5	3.4	13	0.2	0.8	0.2	44	0.11	0.049	13
1222498	Soil		1.0	15.0	15.4	22	0.3	5.9	2.4	59	1.53	9.1	1.4	0.2	9	0.2	0.4	0.2	36	0.05	0.061	11
1222499	Soil		1.0	26.0	18.5	59	0.1	20.9	9.4	287	2.85	16.4	4.8	4.0	11	0.2	0.8	0.2	47	0.09	0.032	16
1222500	Soil		1.1	23.7	28.7	54	0.2	17.2	7.5	207	2.66	22.2	9.5	2.3	12	0.3	0.8	0.3	41	0.08	0.041	14
1222501	Soil		1.2	25.8	28.5	62	<0.1	19.8	8.7	236	2.75	21.2	4.1	4.8	11	0.2	0.9	0.2	42	0.09	0.036	16
1222502	Soil		0.9	33.9	44.9	61	0.4	20.2	9.1	270	3.04	61.8	15.9	5.8	10	0.3	1.0	0.3	39	0.07	0.038	19
1222503	Soil		0.9	21.8	29.6	49	0.1	14.9	6.0	181	2.60	68.7	5.4	1.8	10	0.3	0.8	0.2	42	0.07	0.043	16
1222504	Soil		1.0	22.8	28.7	56	<0.1	17.1	7.8	241	2.72	109.5	5.7	2.6	11	0.3	0.9	0.2	43	0.09	0.045	19
1222505	Soil		1.1	25.9	35.8	62	0.2	17.1	7.4	205	2.89	174.3	15.6	3.9	12	0.2	0.9	0.3	37	0.06	0.041	25
1222506	Soil		0.9	27.5	27.5	65	<0.1	21.4	10.5	259	2.73	151.0	21.8	3.8	13	0.3	0.9	0.2	35	0.07	0.050	24
1222507	Soil		1.2	16.2	20.4	42	<0.1	11.5	4.6	118	2.38	93.3	6.6	1.4	10	0.2	0.6	0.3	45	0.05	0.042	21
1222508	Soil		0.8	23.3	15.6	56	<0.1	19.6	8.7	210	2.28	70.2	9.6	2.4	11	0.3	0.7	0.2	39	0.10	0.048	19
1222509	Soil		0.9	27.4	31.9	83	<0.1	31.3	20.1	388	2.86	76.9	4.5	6.0	12	0.3	0.8	0.2	34	0.06	0.043	22
1222510	Soil		1.1	18.5	25.4	58	<0.1	18.4	6.6	171	2.34	48.9	9.4	2.0	13	0.2	0.7	0.2	43	0.12	0.051	18
1222511	Soil		0.9	23.3	16.6	59	<0.1	17.8	7.9	224	2.66	61.7	7.9	3.2	12	0.2	0.7	0.2	36	0.08	0.047	19
1222512	Soil		0.7	19.5	10.1	46	<0.1	16.9	7.7	223	2.19	28.3	3.2	1.1	9	0.1	0.6	0.2	38	0.13	0.056	12
1222513	Soil		1.0	20.5	29.8	81	<0.1	19.8	10.8	321	2.41	79.8	15.6	2.2	9	0.5	0.6	0.2	38	0.11	0.045	13
1222514	Soil		0.9	23.1	263.9	388	0.3	23.8	12.8	476	2.44	43.7	6.6	3.7	10	2.2	0.7	0.2	35	0.13	0.050	12
1222515	Soil		0.8	21.0	28.1	50	0.1	14.7	6.0	203	2.41	58.4	11.0	0.9	7	0.3	0.6	0.2	34	0.06	0.040	18
1222516	Soil		1.0	13.5	11.3	49	<0.1	14.9	7.0	303	2.42	14.1	5.2	0.7	7	0.1	0.5	0.1	39	0.08	0.056	10
1222517	Soil		0.8	25.3	15.8	56	0.2	21.7	9.8	351	2.25	42.3	2.4	1.8	11	0.1	0.6	0.2	30	0.11	0.053	15
1222518	Soil		0.9	19.0	13.5	53	<0.1	18.7	9.1	313	2.53	23.9	4.2	2.4	9	0.2	0.6	0.2	43	0.11	0.057	14
1222519	Soil		0.9	20.8	13.0	42	<0.1	14.2	6.7	232	2.10	44.5	7.1	0.6	10	<0.1	0.6	0.2	39	0.09	0.050	13
1222520	Soil		0.9	20.1	14.8	51	<0.1	15.8	7.1	237	2.52	98.7	11.5	2.2	8	0.2	1.2	0.2	44	0.10	0.040	13
1222521	Soil		0.8	5.6	10.6	17	<0.1	4.6	1.9	65	1.69	13.6	1.6	1.6	5	<0.1	0.3	0.2	46	0.05	0.020	10
1222522	Soil		1.2	9.8	12.3	53	<0.1	13.1	5.7	177	2.76	13.3	0.7	0.9	11	<0.1	0.6	0.2	51	0.13	0.043	8

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

Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222493	Soil	20	0.36	139	0.022	1	1.27	0.006	0.04	0.3	0.04	1.6	0.1	<0.05	4	<0.5	<0.2
1222494	Soil	17	0.30	118	0.031	<1	0.77	0.006	0.04	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1222495	Soil	22	0.40	88	0.027	1	1.29	0.005	0.05	0.2	0.05	1.9	<0.1	<0.05	4	<0.5	<0.2
1222496	Soil	23	0.33	108	0.016	<1	1.37	0.005	0.04	0.2	0.05	0.9	0.1	<0.05	4	0.9	<0.2
1222497	Soil	25	0.40	116	0.026	<1	1.53	0.005	0.04	0.2	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1222498	Soil	13	0.11	86	0.012	<1	0.76	0.009	0.04	0.1	0.07	0.4	<0.1	0.07	4	<0.5	<0.2
1222499	Soil	26	0.46	192	0.033	2	1.73	0.006	0.05	0.2	0.06	2.4	0.1	<0.05	4	0.8	<0.2
1222500	Soil	22	0.37	120	0.021	1	1.46	0.006	0.04	0.2	0.04	1.6	0.1	<0.05	4	<0.5	<0.2
1222501	Soil	24	0.44	118	0.033	1	1.50	0.006	0.05	0.2	0.04	2.0	<0.1	<0.05	4	1.1	<0.2
1222502	Soil	23	0.42	101	0.024	1	1.38	0.006	0.04	0.2	0.04	1.9	<0.1	<0.05	4	0.7	<0.2
1222503	Soil	21	0.33	111	0.018	1	1.25	0.005	0.04	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222504	Soil	23	0.41	115	0.021	1	1.40	0.005	0.05	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222505	Soil	20	0.42	74	0.017	1	1.26	0.005	0.04	0.2	0.02	1.3	<0.1	<0.05	4	0.6	<0.2
1222506	Soil	21	0.45	128	0.016	<1	1.40	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	4	0.7	<0.2
1222507	Soil	18	0.27	88	0.018	1	1.17	0.004	0.04	0.2	0.03	0.9	0.1	<0.05	5	<0.5	<0.2
1222508	Soil	22	0.42	102	0.023	1	1.32	0.005	0.04	0.2	0.02	1.5	<0.1	<0.05	4	0.8	<0.2
1222509	Soil	23	0.46	85	0.019	<1	1.52	0.007	0.05	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222510	Soil	22	0.41	99	0.026	1	1.25	0.005	0.04	0.2	0.03	1.4	<0.1	<0.05	4	0.5	<0.2
1222511	Soil	24	0.51	116	0.017	2	1.57	0.005	0.05	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1222512	Soil	21	0.35	142	0.022	2	1.39	0.004	0.03	0.2	0.05	1.8	<0.1	<0.05	4	0.7	<0.2
1222513	Soil	22	0.42	112	0.022	<1	1.36	0.004	0.05	0.2	0.04	1.7	0.1	<0.05	4	<0.5	<0.2
1222514	Soil	21	0.46	100	0.022	<1	1.31	0.004	0.05	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1222515	Soil	19	0.29	92	0.013	<1	1.16	0.003	0.03	0.1	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
1222516	Soil	21	0.32	85	0.015	<1	1.52	0.003	0.03	0.2	0.04	1.2	<0.1	<0.05	4	1.1	<0.2
1222517	Soil	18	0.39	119	0.016	<1	1.20	0.004	0.04	0.2	0.05	1.4	<0.1	<0.05	3	0.6	<0.2
1222518	Soil	21	0.33	90	0.025	<1	1.20	0.003	0.04	0.4	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222519	Soil	19	0.25	109	0.016	<1	1.15	0.004	0.04	0.3	0.03	1.1	<0.1	<0.05	4	0.5	<0.2
1222520	Soil	23	0.35	98	0.022	<1	1.39	0.004	0.04	0.4	0.04	1.9	0.1	<0.05	4	0.7	<0.2
1222521	Soil	12	0.09	73	0.025	<1	0.74	0.004	0.03	0.2	0.04	0.9	<0.1	<0.05	5	<0.5	<0.2
1222522	Soil	21	0.31	112	0.021	<1	1.18	0.004	0.05	0.2	0.05	1.4	<0.1	<0.05	5	<0.5	<0.2

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

	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
1222523	Soil	0.8	12.7	10.6	27	<0.1	9.4	3.4	83	1.53	13.4	2.5	0.2	9	0.2	0.3	0.2	41	0.08	0.037	10
1222524	Soil	0.8	15.3	10.9	42	<0.1	14.3	6.0	150	2.24	11.4	8.7	1.0	8	<0.1	0.5	0.2	43	0.10	0.040	12
1222525	Soil	0.8	32.4	12.2	78	<0.1	25.3	9.8	483	4.30	12.6	1.8	10.6	4	<0.1	0.8	0.3	28	0.02	0.033	31
1222526	Soil	1.0	27.9	18.7	72	0.9	26.7	11.0	429	2.95	298.9	23.7	1.7	9	0.1	2.5	0.2	39	0.08	0.044	12
1222527	Soil	0.7	21.5	11.7	58	<0.1	23.5	11.8	303	2.45	30.5	4.9	4.5	7	0.1	0.8	0.2	36	0.08	0.031	12
1222528	Soil	0.9	20.7	12.1	44	<0.1	17.1	4.9	130	2.36	35.2	1.8	3.3	5	<0.1	1.6	0.3	29	0.03	0.027	26
1222529	Soil	0.7	17.8	13.4	54	<0.1	22.4	9.8	337	2.30	13.0	3.3	4.1	10	<0.1	0.5	0.1	32	0.12	0.041	13
1222530	Soil	0.9	18.7	12.5	48	<0.1	20.0	8.9	282	2.34	16.8	5.3	2.4	8	<0.1	0.6	0.2	35	0.08	0.030	14
1222531	Soil	1.0	19.6	12.7	58	<0.1	22.8	9.9	368	3.10	13.2	2.2	4.2	5	<0.1	0.6	0.2	39	0.05	0.034	12
1222532	Soil	0.7	17.0	9.5	48	<0.1	19.7	8.0	260	1.96	11.5	26.9	3.6	7	0.2	0.7	0.1	32	0.09	0.022	12
1222533	Soil	1.3	12.4	13.6	40	0.1	13.2	8.4	593	2.53	9.6	5.5	2.8	12	0.3	0.5	0.2	47	0.16	0.025	13
1222534	Soil	0.8	17.5	23.1	57	<0.1	21.3	9.5	304	2.54	14.5	2.1	3.9	6	0.2	0.6	0.2	36	0.07	0.030	11
1222535	Soil	0.7	20.1	13.4	49	0.1	25.4	13.0	374	2.40	12.2	7.4	4.2	9	<0.1	0.5	0.2	30	0.12	0.052	14
1222536	Soil	0.8	14.6	13.7	47	<0.1	15.5	6.5	330	3.13	14.9	4.0	2.2	7	0.1	0.7	0.2	52	0.07	0.030	13
1222537	Soil	0.9	28.5	13.4	67	<0.1	29.2	13.8	423	2.62	10.3	1.8	5.0	8	0.1	0.6	0.2	32	0.08	0.030	27
1222538	Soil	0.8	24.2	10.7	54	<0.1	25.2	11.7	290	2.35	27.1	6.6	4.3	10	0.1	0.6	0.2	30	0.12	0.044	19
1222539	Soil	0.5	25.9	7.8	57	<0.1	21.0	8.6	330	1.88	11.9	5.0	3.2	14	0.2	0.6	0.1	29	0.20	0.079	14
1222540	Soil	0.8	18.4	11.5	54	<0.1	21.4	10.1	334	2.41	14.2	3.4	3.7	8	<0.1	0.6	0.2	38	0.10	0.034	13
1222541	Soil	0.7	20.4	8.9	55	<0.1	23.4	10.1	317	2.03	13.0	23.9	3.9	11	0.2	0.8	0.1	33	0.15	0.055	12
1222542	Soil	0.8	15.7	11.1	52	0.5	17.3	8.4	283	2.11	32.9	6.3	3.7	6	0.2	0.7	0.2	32	0.06	0.023	11

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Project: LUG
Report Date: October 05, 2011

CERTIFICATE OF ANALYSIS WHI11001043.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222523	Soil	15	0.16	122	0.015	<1	0.91	0.004	0.03	0.2	0.05	0.7	<0.1	<0.05	5	<0.5	<0.2
1222524	Soil	21	0.29	112	0.020	<1	1.35	0.004	0.03	0.2	0.04	1.6	<0.1	<0.05	4	0.7	<0.2
1222525	Soil	28	0.77	38	0.007	<1	2.06	0.004	0.03	<0.1	0.03	1.7	<0.1	<0.05	7	<0.5	<0.2
1222526	Soil	22	0.40	79	0.016	<1	1.41	0.004	0.05	0.2	0.06	1.5	<0.1	<0.05	4	0.6	<0.2
1222527	Soil	22	0.39	103	0.026	<1	1.43	0.006	0.04	0.2	0.06	2.2	<0.1	<0.05	3	0.5	<0.2
1222528	Soil	15	0.26	58	0.009	<1	1.10	0.004	0.03	<0.1	0.03	0.9	<0.1	<0.05	5	<0.5	<0.2
1222529	Soil	20	0.42	120	0.021	<1	1.24	0.005	0.05	0.2	0.04	1.7	<0.1	<0.05	3	0.5	<0.2
1222530	Soil	20	0.32	106	0.018	<1	1.32	0.004	0.04	0.2	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222531	Soil	22	0.28	55	0.023	<1	1.39	0.003	0.04	0.2	0.05	1.6	<0.1	<0.05	4	<0.5	<0.2
1222532	Soil	18	0.26	99	0.024	<1	1.17	0.004	0.04	0.2	0.04	1.8	<0.1	<0.05	3	0.9	<0.2
1222533	Soil	19	0.20	180	0.021	<1	1.22	0.005	0.04	0.1	0.04	1.4	0.1	<0.05	6	<0.5	<0.2
1222534	Soil	20	0.35	85	0.021	<1	1.25	0.003	0.04	0.2	0.04	1.7	<0.1	<0.05	4	0.8	<0.2
1222535	Soil	19	0.37	89	0.017	<1	1.46	0.003	0.04	0.1	0.04	1.9	<0.1	<0.05	4	0.6	<0.2
1222536	Soil	19	0.25	92	0.025	<1	1.07	0.003	0.04	0.2	0.03	1.5	0.1	<0.05	5	0.7	<0.2
1222537	Soil	19	0.39	87	0.020	<1	1.30	0.003	0.05	0.1	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
1222538	Soil	19	0.38	157	0.019	<1	1.23	0.004	0.05	0.2	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1222539	Soil	16	0.28	162	0.027	<1	0.82	0.008	0.04	0.2	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1222540	Soil	21	0.35	117	0.026	1	1.36	0.005	0.05	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222541	Soil	19	0.30	102	0.029	<1	1.08	0.005	0.05	0.4	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
1222542	Soil	18	0.26	70	0.025	<1	1.18	0.004	0.04	0.3	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG
Report Date: October 05, 2011

QUALITY CONTROL REPORT WHI11001043.1

	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																					
1221486	Soil	1.0	14.0	10.6	48	0.2	13.8	5.6	170	2.22	24.9	3.9	4.0	8	0.2	0.4	0.8	44	0.07	0.072	12
REP 1221486	QC	0.9	14.6	10.1	49	0.2	13.6	5.5	173	2.29	25.0	2.6	3.9	8	0.2	0.5	0.8	45	0.08	0.067	13
1221498	Soil	1.3	18.3	11.3	60	<0.1	18.6	7.3	225	2.59	81.7	3.7	3.6	9	0.2	0.5	0.3	57	0.06	0.032	12
REP 1221498	QC	1.2	18.4	10.9	57	<0.1	18.7	7.3	226	2.60	80.2	4.1	3.6	9	0.1	0.5	0.2	55	0.07	0.031	12
1221664	Soil	1.0	16.3	26.4	107	0.3	11.9	4.6	250	1.85	20.1	1.7	0.6	13	2.2	0.4	0.8	39	0.12	0.057	14
REP 1221664	QC	0.9	17.4	27.5	107	0.3	12.1	4.8	266	1.97	21.4	4.6	0.8	13	2.4	0.4	0.8	40	0.12	0.056	14
1221673	Soil	0.6	10.8	11.3	90	0.1	8.7	3.2	126	1.36	6.3	1.6	1.8	11	0.9	0.2	0.8	27	0.10	0.041	21
REP 1221673	QC	0.6	10.6	11.2	87	0.1	8.5	3.3	125	1.36	6.1	10.4	1.6	12	0.8	0.3	0.7	26	0.10	0.041	22
1221978	Soil	1.8	3.9	11.8	33	<0.1	7.6	3.0	83	2.60	7.7	<0.5	3.2	7	0.2	0.2	0.2	52	0.07	0.030	11
REP 1221978	QC	1.8	3.9	11.8	33	<0.1	8.0	3.1	87	2.70	7.7	<0.5	3.1	7	0.2	0.3	0.2	52	0.07	0.031	11
1221990	Soil	1.3	7.8	19.8	134	0.1	13.7	8.0	394	3.07	10.0	1.0	6.7	7	0.7	0.5	0.2	61	0.07	0.072	12
REP 1221990	QC	1.4	8.0	20.1	137	<0.1	14.0	8.3	394	3.07	10.1	<0.5	7.0	8	0.9	0.5	0.2	63	0.08	0.071	14
1222010	Soil	0.8	25.8	10.4	57	<0.1	21.1	9.1	295	2.44	31.4	6.3	7.5	10	<0.1	0.5	0.3	36	0.07	0.020	23
REP 1222010	QC	0.9	26.1	11.0	56	<0.1	21.3	9.4	293	2.42	32.1	4.9	7.2	10	<0.1	0.5	0.3	35	0.06	0.019	22
1222019	Soil	0.9	34.5	21.1	77	0.2	25.2	10.1	326	2.64	45.8	6.5	6.9	14	0.2	0.6	0.4	41	0.13	0.036	20
REP 1222019	QC	0.9	35.8	20.8	78	0.2	26.4	10.4	360	2.73	47.6	9.2	7.1	13	0.2	0.7	0.4	42	0.14	0.036	19
1222033	Soil	0.8	14.9	22.1	72	<0.1	13.3	4.6	149	2.22	54.2	10.9	0.3	9	0.7	0.7	0.4	39	0.09	0.041	12
REP 1222033	QC	0.8	14.6	22.0	72	<0.1	13.4	4.7	153	2.19	53.9	5.2	0.4	9	0.7	0.7	0.3	40	0.08	0.039	12
1222058	Soil	0.7	16.1	11.1	48	0.1	12.0	4.4	90	2.01	14.0	2.9	0.9	13	0.2	0.4	0.3	29	0.09	0.050	17
REP 1222058	QC	0.7	16.3	10.8	46	0.1	11.8	4.3	86	1.99	13.7	2.4	1.0	13	0.2	0.3	0.3	28	0.09	0.048	15
1222217	Soil	0.8	12.5	11.2	38	<0.1	14.0	5.1	137	2.45	12.5	1.6	3.4	7	0.1	0.8	0.2	34	0.07	0.036	11
REP 1222217	QC	0.9	12.2	10.8	38	<0.1	13.9	5.1	134	2.38	12.2	1.4	3.3	7	0.1	0.8	0.2	34	0.07	0.034	11
1222226	Soil	0.9	23.9	14.6	59	<0.1	21.3	9.1	272	2.63	12.0	3.8	7.2	8	0.1	0.8	0.2	45	0.06	0.017	19
REP 1222226	QC	1.0	23.7	14.7	58	<0.1	20.6	9.1	268	2.71	12.0	5.2	7.0	9	0.1	0.7	0.2	43	0.06	0.017	20
1222242	Soil	0.8	21.8	11.0	55	<0.1	20.2	7.9	239	2.32	15.4	3.0	6.5	7	<0.1	2.4	0.2	32	0.04	0.016	23
REP 1222242	QC	0.8	21.5	10.7	55	<0.1	20.4	7.8	241	2.31	15.0	2.9	6.5	7	<0.1	2.4	0.2	32	0.05	0.016	24
1222492	Soil	0.7	16.8	11.9	52	0.2	14.6	5.1	115	2.09	18.2	4.7	1.3	12	0.2	0.5	0.2	35	0.14	0.054	13
REP 1222492	QC	0.7	17.2	12.1	54	0.2	15.3	5.1	116	2.11	18.9	2.7	1.4	12	0.1	0.5	0.2	37	0.13	0.054	14

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

Project: LUG
Report Date: October 05, 2011

QUALITY CONTROL REPORT WHI11001043.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1221486	Soil	22	0.28	125	0.025	2	1.39	0.005	0.05	0.5	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
REP 1221486	QC	22	0.27	123	0.026	2	1.36	0.004	0.05	0.5	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
1221498	Soil	29	0.39	164	0.029	1	1.67	0.006	0.07	0.2	0.02	2.3	0.2	<0.05	6	<0.5	<0.2
REP 1221498	QC	29	0.38	164	0.033	<1	1.71	0.006	0.07	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
1221664	Soil	19	0.28	155	0.022	1	1.15	0.006	0.05	0.6	0.05	0.9	0.2	<0.05	5	<0.5	<0.2
REP 1221664	QC	19	0.28	159	0.020	<1	1.08	0.006	0.05	0.6	0.04	0.9	0.2	<0.05	5	<0.5	<0.2
1221673	Soil	13	0.24	175	0.014	<1	1.03	0.005	0.06	1.3	0.03	1.0	0.1	<0.05	5	<0.5	<0.2
REP 1221673	QC	13	0.23	171	0.017	<1	1.01	0.005	0.06	1.3	0.03	0.9	0.1	<0.05	5	<0.5	<0.2
1221978	Soil	16	0.21	66	0.037	<1	1.01	0.003	0.04	0.2	0.02	1.2	0.1	<0.05	6	<0.5	<0.2
REP 1221978	QC	17	0.22	67	0.034	<1	1.01	0.003	0.04	0.2	0.02	1.2	0.1	<0.05	6	<0.5	<0.2
1221990	Soil	26	0.34	158	0.027	<1	1.82	0.005	0.05	0.4	0.03	2.3	0.2	<0.05	7	<0.5	<0.2
REP 1221990	QC	27	0.35	157	0.034	<1	1.91	0.005	0.06	0.4	0.02	2.4	0.2	<0.05	7	0.5	<0.2
1222010	Soil	26	0.44	196	0.027	<1	1.49	0.006	0.05	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
REP 1222010	QC	26	0.46	195	0.027	<1	1.47	0.007	0.05	0.2	0.03	2.4	<0.1	<0.05	4	0.6	<0.2
1222019	Soil	29	0.55	220	0.036	<1	1.75	0.007	0.05	0.2	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
REP 1222019	QC	31	0.57	216	0.036	1	1.72	0.007	0.06	0.2	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
1222033	Soil	21	0.28	113	0.013	1	1.19	0.008	0.04	0.2	0.04	0.8	<0.1	0.07	4	<0.5	<0.2
REP 1222033	QC	20	0.27	111	0.013	<1	1.17	0.008	0.04	0.2	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
1222058	Soil	19	0.33	124	0.017	<1	1.15	0.006	0.05	0.2	0.05	1.0	0.1	0.06	4	<0.5	<0.2
REP 1222058	QC	18	0.31	124	0.014	<1	1.11	0.005	0.05	0.2	0.06	1.0	0.1	0.05	3	<0.5	<0.2
1222217	Soil	20	0.31	86	0.024	<1	1.17	0.004	0.03	0.3	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 1222217	QC	20	0.31	84	0.024	<1	1.16	0.004	0.03	0.3	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1222226	Soil	28	0.43	170	0.040	1	1.59	0.005	0.04	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
REP 1222226	QC	29	0.42	179	0.041	<1	1.63	0.005	0.04	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1222242	Soil	21	0.38	134	0.020	<1	1.25	0.004	0.03	0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
REP 1222242	QC	20	0.38	136	0.022	<1	1.27	0.004	0.03	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222492	Soil	21	0.34	171	0.021	<1	1.27	0.005	0.05	0.2	0.04	1.6	0.1	<0.05	4	0.6	<0.2
REP 1222492	QC	21	0.36	172	0.022	1	1.28	0.006	0.05	0.2	0.06	1.7	0.1	<0.05	4	<0.5	<0.2

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Toronto ON M5X 1C9 Canada

Project: LUG
Report Date: October 05, 2011

QUALITY CONTROL REPORT WHI11001043.1

		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
1222496	Soil	1.1	21.9	49.2	60	0.3	15.5	5.8	192	2.59	16.5	7.6	0.6	11	0.3	0.7	0.2	44	0.08	0.059	12
REP 1222496	QC	1.2	22.2	48.8	60	0.4	15.8	5.8	188	2.58	16.7	3.3	0.6	11	0.3	0.7	0.2	42	0.07	0.059	12
1222519	Soil	0.9	20.8	13.0	42	<0.1	14.2	6.7	232	2.10	44.5	7.1	0.6	10	<0.1	0.6	0.2	39	0.09	0.050	13
REP 1222519	QC	0.9	21.0	12.4	42	0.1	14.7	6.7	240	2.14	43.3	6.2	0.6	10	0.1	0.6	0.2	38	0.08	0.048	12
1222540	Soil	0.8	18.4	11.5	54	<0.1	21.4	10.1	334	2.41	14.2	3.4	3.7	8	<0.1	0.6	0.2	38	0.10	0.034	13
REP 1222540	QC	0.8	18.2	11.2	54	<0.1	20.6	10.3	325	2.38	13.9	3.6	3.6	8	0.1	0.5	0.1	38	0.10	0.032	13
Reference Materials																					
STD DS8	Standard	13.0	107.8	116.2	309	1.8	37.8	7.5	579	2.34	24.9	132.3	5.8	61	2.4	5.4	6.1	44	0.67	0.084	13
STD DS8	Standard	13.4	114.9	128.3	316	1.8	37.9	7.9	607	2.56	26.3	120.2	6.4	63	2.6	5.3	6.7	45	0.68	0.080	14
STD DS8	Standard	13.2	109.9	122.4	289	1.8	38.7	7.4	576	2.37	25.5	113.2	6.3	61	2.2	5.3	6.5	43	0.67	0.074	15
STD DS8	Standard	13.4	115.4	128.0	305	1.8	37.4	7.8	606	2.45	26.0	108.2	7.0	67	2.5	5.9	7.2	45	0.69	0.085	16
STD DS8	Standard	12.6	106.5	117.8	311	1.8	36.7	7.4	576	2.40	24.6	111.7	5.9	55	2.4	4.5	5.7	42	0.68	0.082	14
STD DS8	Standard	13.3	122.0	133.1	313	1.8	38.2	8.2	621	2.52	25.9	116.7	7.3	67	2.5	6.0	7.5	45	0.71	0.084	16
STD DS8	Standard	12.8	106.2	118.0	302	1.8	34.6	7.2	593	2.33	25.1	105.1	6.7	64	2.3	5.4	6.2	39	0.68	0.075	16
STD DS8	Standard	11.6	112.1	123.3	300	1.7	35.8	7.1	543	2.25	25.0	105.7	6.3	59	2.3	5.6	6.6	41	0.62	0.074	14
STD DS8	Standard	13.0	111.8	114.0	315	1.8	37.8	7.7	601	2.43	22.5	106.7	5.9	61	2.3	4.5	6.5	40	0.67	0.075	13
STD DS8	Standard	14.0	113.6	126.4	317	1.9	40.4	8.0	645	2.61	25.4	127.9	7.0	57	2.4	5.3	6.2	45	0.72	0.077	15
STD DS8	Standard	14.2	116.3	130.5	311	1.7	38.5	7.5	625	2.48	24.4	112.3	7.2	70	2.4	5.9	6.4	44	0.75	0.080	19
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT WHI11001043.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1222496	Soil	23	0.33	108	0.016	<1	1.37	0.005	0.04	0.2	0.05	0.9	0.1	<0.05	4	0.9	<0.2
REP 1222496	QC	23	0.32	109	0.016	1	1.32	0.005	0.04	0.2	0.06	1.0	0.1	<0.05	5	0.8	<0.2
1222519	Soil	19	0.25	109	0.016	<1	1.15	0.004	0.04	0.3	0.03	1.1	<0.1	<0.05	4	0.5	<0.2
REP 1222519	QC	18	0.24	105	0.015	<1	1.17	0.004	0.04	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1222540	Soil	21	0.35	117	0.026	1	1.36	0.005	0.05	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
REP 1222540	QC	21	0.34	118	0.025	<1	1.37	0.004	0.04	0.2	0.04	2.0	<0.1	<0.05	4	1.1	<0.2
Reference Materials																	
STD DS8	Standard	116	0.62	277	0.109	3	0.91	0.093	0.41	3.0	0.19	2.3	5.3	0.18	5	4.8	4.9
STD DS8	Standard	122	0.65	272	0.105	3	0.97	0.103	0.45	2.8	0.21	2.0	5.4	0.17	5	4.9	5.0
STD DS8	Standard	119	0.57	269	0.112	2	0.89	0.092	0.42	2.7	0.19	2.1	5.4	0.14	4	5.0	4.4
STD DS8	Standard	113	0.62	278	0.118	3	0.94	0.087	0.40	3.1	0.19	2.2	5.5	0.20	5	5.3	4.8
STD DS8	Standard	110	0.61	283	0.095	2	0.90	0.088	0.43	3.0	0.21	2.1	5.8	0.14	5	5.3	5.0
STD DS8	Standard	117	0.63	272	0.121	3	0.91	0.091	0.41	3.1	0.18	2.2	5.5	0.20	5	5.3	5.0
STD DS8	Standard	109	0.59	283	0.110	2	0.86	0.093	0.42	3.0	0.19	2.1	5.4	0.15	5	5.2	4.6
STD DS8	Standard	101	0.55	248	0.103	2	0.83	0.073	0.36	2.7	0.20	1.8	5.0	0.18	4	4.7	4.5
STD DS8	Standard	119	0.63	217	0.086	2	0.90	0.084	0.42	2.3	0.18	2.1	5.1	0.16	4	5.4	4.8
STD DS8	Standard	124	0.63	278	0.108	4	0.96	0.087	0.40	3.2	0.17	2.3	5.5	0.09	5	5.3	5.2
STD DS8	Standard	122	0.63	285	0.127	3	0.98	0.098	0.40	3.2	0.17	2.3	5.4	0.15	5	5.4	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: LUG
Report Date: October 05, 2011

QUALITY CONTROL REPORT WHI11001043.1

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

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QUALITY CONTROL REPORT WHI11001043.1

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

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 10, 2011
Report Date: November 12, 2011
Page: 1 of 10

CERTIFICATE OF ANALYSIS WHI11001044.1

CLIENT JOB INFORMATION

Project: LUG
Shipment ID: LUG1(22-42)
P.O. Number
Number of Samples: 258

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	258	Dry at 60C			WHI
SS80	258	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	258	Saving all or part of Soil Reject			WHI
1DX2	258	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

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
1222543	Soil	0.8	12.0	12.4	34	<0.1	12.9	5.1	184	1.75	9.3	1.3	0.9	9	0.2	0.5	0.2	39	0.11	0.036	12
1222544	Soil	0.8	18.2	15.5	48	<0.1	21.6	14.0	473	2.11	11.5	2.9	4.1	9	0.1	0.6	0.2	28	0.08	0.042	18
1222545	Soil	0.8	11.7	11.5	41	<0.1	15.9	6.1	240	2.25	9.5	2.3	2.2	7	0.1	0.5	0.1	33	0.09	0.039	11
1222546	Soil	0.8	13.0	10.1	47	0.1	19.7	8.4	245	2.43	10.2	2.6	3.2	13	0.1	0.5	0.2	35	0.17	0.018	10
1222547	Soil	0.9	18.4	13.4	50	<0.1	19.0	9.8	327	2.28	14.5	0.7	2.5	19	0.1	0.5	0.2	40	0.20	0.050	11
1222548	Soil	0.7	29.3	12.7	106	0.2	39.2	16.4	386	2.97	17.3	1.0	10.2	15	0.4	0.6	0.3	37	0.12	0.028	17
1222549	Soil	1.3	11.9	45.7	299	<0.1	10.7	5.2	245	3.15	28.0	1.7	6.2	5	1.6	0.7	0.3	57	0.04	0.029	13
1222550	Soil	0.8	17.7	68.9	129	0.3	19.2	8.0	279	2.43	36.0	1.7	6.2	8	0.7	0.7	0.2	38	0.06	0.021	18
1222551	Soil	0.8	17.0	38.5	117	0.2	18.6	6.5	239	2.21	21.4	2.1	7.4	8	0.4	0.5	0.2	28	0.06	0.016	20
1222552	Soil	0.8	20.9	23.6	81	<0.1	19.2	8.1	287	2.30	17.1	7.1	7.4	11	0.1	0.5	0.2	35	0.09	0.018	20
1222553	Soil	0.9	23.7	22.2	87	<0.1	23.0	9.2	311	2.54	11.0	3.5	5.5	8	0.2	0.6	0.2	35	0.06	0.014	19
1222554	Soil	0.6	18.2	15.4	52	<0.1	18.5	7.3	284	2.39	12.3	4.4	8.3	9	<0.1	1.8	0.2	22	0.10	0.031	33
1222555	Soil	0.6	28.9	23.6	86	0.2	32.8	13.3	569	3.30	20.9	5.8	12.5	27	0.2	4.4	0.3	13	0.46	0.072	40
1222901	Soil	0.7	20.5	7.9	52	<0.1	16.7	5.6	160	2.05	8.6	1.7	1.7	13	0.1	0.4	0.2	30	0.13	0.045	15
1222902	Soil	0.7	10.6	7.7	24	<0.1	7.7	2.8	90	1.49	7.6	2.2	0.3	10	<0.1	0.4	0.2	28	0.06	0.037	13
1222903	Soil	1.0	20.8	10.6	47	<0.1	13.2	5.0	197	2.59	10.1	2.9	3.6	22	<0.1	0.5	0.3	35	0.09	0.040	24
1222904	Soil	1.0	17.0	10.3	35	<0.1	8.0	3.5	144	2.71	15.9	1.9	7.2	18	<0.1	0.5	0.3	40	0.06	0.031	20
1222905	Soil	0.7	23.9	8.9	50	<0.1	15.2	5.8	231	2.54	20.2	10.5	7.4	18	<0.1	0.6	0.3	31	0.09	0.036	18
1222906	Soil	0.9	16.7	8.4	41	<0.1	11.9	4.3	156	2.17	12.3	2.8	3.4	16	0.1	0.5	0.2	33	0.08	0.028	18
1222907	Soil	0.7	15.4	8.8	37	<0.1	11.8	4.1	148	1.93	10.7	1.9	1.0	14	<0.1	0.4	0.2	32	0.09	0.036	17
1222908	Soil	0.6	20.2	6.7	51	<0.1	14.8	6.2	249	1.96	7.2	1.9	6.2	17	0.1	0.6	0.2	30	0.13	0.036	18
1222909	Soil	0.8	18.0	7.6	46	<0.1	13.7	4.6	166	1.90	8.1	2.4	2.5	14	0.1	0.5	0.2	31	0.13	0.044	16
1222910	Soil	0.5	22.5	7.9	52	<0.1	15.0	7.1	293	2.02	6.9	4.0	6.3	18	0.2	0.5	0.2	31	0.15	0.033	22
1222911	Soil	0.6	17.6	9.4	46	<0.1	12.6	4.4	149	1.90	7.0	1.8	0.8	13	<0.1	0.5	0.2	31	0.11	0.040	16
1222912	Soil	0.6	16.0	8.2	42	<0.1	11.1	3.9	143	1.74	6.8	4.0	2.0	12	0.1	0.5	0.2	28	0.11	0.038	17
1222913	Soil	0.6	16.7	8.1	44	<0.1	12.3	4.7	168	1.80	7.0	3.8	1.7	14	0.2	0.4	0.2	29	0.11	0.046	15
1222914	Soil	0.7	17.5	8.3	48	<0.1	14.1	5.3	182	1.94	7.6	2.1	5.5	12	0.1	0.5	0.2	28	0.10	0.038	18
1222915	Soil	0.6	18.0	10.9	50	<0.1	13.6	5.6	179	2.16	9.1	2.1	4.8	12	0.2	0.5	0.2	31	0.09	0.048	19
1222916	Soil	0.7	17.0	10.8	46	<0.1	12.1	5.2	163	1.97	7.9	1.6	3.8	12	0.1	0.4	0.2	29	0.09	0.045	21
1222917	Soil	0.6	19.4	11.7	54	<0.1	16.8	7.1	264	2.18	11.7	2.0	5.9	12	<0.1	0.5	0.2	29	0.10	0.037	19

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

Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222543	Soil	17	0.23	81	0.023	<1	0.88	0.004	0.03	0.2	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1222544	Soil	19	0.33	82	0.016	<1	1.20	0.004	0.03	0.2	0.02	1.2	<0.1	<0.05	3	0.6	<0.2
1222545	Soil	18	0.30	88	0.021	<1	1.19	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1222546	Soil	21	0.40	145	0.026	1	1.57	0.007	0.04	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1222547	Soil	24	0.36	131	0.027	<1	1.46	0.008	0.04	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1222548	Soil	33	0.50	215	0.035	<1	2.35	0.014	0.11	0.2	0.03	3.0	0.2	<0.05	6	<0.5	<0.2
1222549	Soil	23	0.24	48	0.022	<1	1.28	0.003	0.03	0.2	0.03	1.4	0.1	<0.05	6	<0.5	<0.2
1222550	Soil	25	0.37	139	0.025	<1	1.49	0.004	0.04	0.1	0.03	1.8	0.1	<0.05	4	0.6	<0.2
1222551	Soil	23	0.42	115	0.016	<1	1.30	0.003	0.04	0.2	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
1222552	Soil	25	0.44	171	0.034	<1	1.32	0.005	0.04	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1222553	Soil	22	0.40	181	0.034	<1	1.40	0.004	0.05	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1222554	Soil	18	0.26	136	0.011	<1	0.90	0.004	0.04	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1222555	Soil	14	0.16	190	0.005	<1	0.79	0.004	0.05	0.1	0.02	2.9	<0.1	<0.05	2	<0.5	<0.2
1222901	Soil	22	0.42	88	0.025	<1	1.21	0.005	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1222902	Soil	16	0.20	65	0.017	<1	0.85	0.004	0.03	0.1	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2
1222903	Soil	22	0.45	106	0.022	1	1.47	0.010	0.05	0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
1222904	Soil	20	0.31	85	0.021	1	1.28	0.010	0.05	0.1	0.02	1.7	0.1	<0.05	5	0.7	<0.2
1222905	Soil	21	0.45	100	0.026	2	1.22	0.009	0.04	0.2	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1222906	Soil	20	0.41	102	0.022	1	1.19	0.010	0.04	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222907	Soil	19	0.36	110	0.018	1	1.13	0.006	0.04	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1222908	Soil	18	0.45	141	0.039	1	0.98	0.008	0.04	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1222909	Soil	19	0.39	99	0.028	<1	1.05	0.006	0.05	0.1	0.03	1.5	<0.1	<0.05	3	0.6	<0.2
1222910	Soil	20	0.47	234	0.042	2	1.13	0.009	0.06	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1222911	Soil	20	0.39	111	0.017	<1	1.22	0.007	0.04	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1222912	Soil	18	0.35	99	0.023	1	1.10	0.006	0.05	0.2	0.02	1.5	<0.1	<0.05	4	0.6	<0.2
1222913	Soil	19	0.36	130	0.022	1	1.11	0.006	0.04	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1222914	Soil	19	0.40	96	0.031	<1	1.24	0.006	0.05	0.2	0.02	1.9	<0.1	<0.05	4	0.6	<0.2
1222915	Soil	21	0.39	124	0.023	1	1.45	0.006	0.05	0.1	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
1222916	Soil	19	0.38	116	0.023	<1	1.28	0.005	0.05	0.1	0.03	1.8	<0.1	<0.05	4	0.5	<0.2
1222917	Soil	21	0.41	130	0.026	<1	1.31	0.007	0.05	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2

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Project: LUG
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CERTIFICATE OF ANALYSIS WHI11001044.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222918	Soil		0.8	18.4	12.8	48	<0.1	14.3	5.0	175	2.03	9.9	1.7	2.9	12	0.1	0.4	0.2	32	0.09	0.040	19
1222919	Soil		0.9	19.8	9.8	54	<0.1	19.5	7.1	222	2.32	20.1	5.4	7.4	10	0.1	0.6	0.2	28	0.06	0.024	28
1222920	Soil		0.7	21.3	11.0	58	<0.1	19.7	9.6	298	2.60	16.0	2.8	7.6	13	0.2	0.6	0.2	37	0.08	0.032	21
1222921	Soil		0.9	18.6	10.1	54	<0.1	14.9	5.7	197	2.60	11.4	2.5	9.3	12	<0.1	0.5	0.3	33	0.05	0.021	24
1222922	Soil		0.9	14.8	10.4	40	<0.1	13.2	5.4	206	2.45	14.9	8.2	4.5	12	0.1	0.4	0.4	45	0.06	0.034	18
1222923	Soil		0.9	10.1	12.9	46	<0.1	15.3	5.9	172	2.43	14.4	2.3	5.1	14	0.1	0.6	0.4	48	0.11	0.025	15
1222924	Soil		1.1	14.0	10.3	32	0.1	8.3	3.1	123	2.57	36.8	4.0	10.6	9	0.1	0.4	0.7	43	0.03	0.030	28
1222925	Soil		0.9	22.8	10.5	47	<0.1	15.8	6.6	177	2.94	22.2	4.9	9.7	12	<0.1	0.6	0.5	38	0.06	0.023	24
1222926	Soil		0.9	21.5	15.3	60	<0.1	20.5	10.1	310	2.68	14.1	2.7	6.8	15	0.1	0.7	0.3	44	0.11	0.038	19
1222927	Soil		0.8	26.7	10.1	57	<0.1	20.7	7.7	221	3.13	39.2	4.2	11.5	14	0.1	0.5	0.4	33	0.06	0.027	26
1222928	Soil		0.9	18.6	12.3	48	<0.1	13.7	5.4	203	3.09	36.7	11.2	4.4	18	0.2	0.5	0.4	40	0.09	0.039	21
1222929	Soil		0.8	24.3	10.4	52	<0.1	17.9	6.6	189	2.80	35.8	9.1	8.9	18	0.1	0.5	0.7	38	0.09	0.036	24
1222930	Soil		0.9	34.7	10.6	60	0.1	32.6	9.9	218	3.11	59.2	7.8	6.9	30	0.1	0.4	1.3	49	0.15	0.051	22
1222931	Soil		0.9	39.5	23.6	84	0.2	34.6	11.6	249	3.55	48.4	8.2	9.7	36	0.3	0.5	1.3	46	0.13	0.039	22
1222932	Soil		1.0	31.0	9.8	67	0.2	33.1	11.1	216	3.01	41.3	18.3	8.2	28	0.2	0.5	1.0	43	0.15	0.047	24
1222933	Soil		0.8	29.9	11.4	69	0.3	30.7	11.4	207	2.96	37.6	5.0	7.7	24	0.2	0.5	1.0	40	0.16	0.047	26
1222934	Soil		0.7	22.9	12.5	65	0.2	23.2	8.0	157	2.68	29.9	8.0	6.1	19	0.2	0.5	0.7	35	0.13	0.046	23
1222935	Soil		0.7	22.7	11.4	65	0.2	20.8	7.6	154	2.66	21.8	3.6	6.6	17	0.1	0.5	0.8	36	0.12	0.039	22
1222936	Soil		0.8	43.3	9.5	77	<0.1	31.0	11.2	228	3.41	27.6	5.6	12.9	31	0.2	0.5	0.8	40	0.19	0.047	26
1222937	Soil		0.9	26.0	9.5	67	0.1	23.2	10.1	237	2.76	19.9	7.4	8.6	18	0.2	0.5	0.8	37	0.12	0.044	23
1222938	Soil		1.1	32.4	10.5	74	0.1	27.7	11.6	267	3.03	23.2	4.1	9.5	21	<0.1	0.6	0.8	41	0.12	0.045	26
1222939	Soil		0.7	24.5	10.5	70	0.1	20.5	8.5	191	2.29	14.5	6.7	5.6	19	0.2	1.0	0.9	28	0.12	0.052	26
1222940	Soil		0.7	22.8	14.4	66	0.2	18.7	8.1	224	2.41	17.2	3.3	5.0	16	0.2	1.2	0.9	27	0.10	0.052	28
1222941	Soil		0.7	22.4	15.9	73	0.2	19.2	8.9	216	2.57	23.5	4.8	4.8	17	0.2	1.0	0.9	29	0.10	0.047	25
1222942	Soil		0.5	17.2	12.1	59	0.1	15.6	6.6	169	1.91	18.0	3.5	3.5	17	0.2	0.7	0.7	23	0.10	0.044	21
1222943	Soil		0.8	24.2	16.9	69	0.3	19.0	9.2	291	2.46	21.2	4.5	3.5	22	0.2	0.7	1.0	34	0.11	0.050	22
1223051	Soil		0.7	19.7	8.6	53	<0.1	19.0	6.9	211	1.89	16.3	2.8	3.0	15	0.1	1.2	0.2	31	0.12	0.053	15
1223052	Soil		0.6	10.8	8.7	41	<0.1	12.5	4.3	166	1.60	54.0	11.5	1.4	15	<0.1	1.3	0.2	30	0.10	0.039	15
1223053	Soil		0.8	13.1	9.9	43	<0.1	12.4	4.9	153	2.03	49.0	6.3	0.5	12	0.1	1.3	0.3	38	0.07	0.045	16
1223054	Soil		0.6	11.0	10.2	36	<0.1	10.7	3.6	145	1.43	44.2	6.6	0.5	13	<0.1	1.1	0.3	29	0.07	0.038	16

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

Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222918	Soil	22	0.39	132	0.024	<1	1.36	0.006	0.05	0.1	0.02	1.9	0.1	<0.05	5	1.2	<0.2
1222919	Soil	22	0.47	102	0.026	<1	1.26	0.006	0.06	0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1222920	Soil	25	0.49	157	0.031	<1	1.52	0.006	0.06	0.1	0.03	2.8	0.1	<0.05	5	0.6	<0.2
1222921	Soil	22	0.48	105	0.022	<1	1.36	0.006	0.07	<0.1	0.01	1.9	0.1	<0.05	5	<0.5	<0.2
1222922	Soil	22	0.41	129	0.041	<1	1.43	0.006	0.13	0.1	0.01	2.1	0.2	<0.05	7	0.6	<0.2
1222923	Soil	25	0.40	163	0.033	<1	1.54	0.007	0.05	0.4	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
1222924	Soil	17	0.22	63	0.031	<1	1.17	0.005	0.07	0.2	0.01	1.4	0.1	<0.05	6	<0.5	<0.2
1222925	Soil	25	0.49	137	0.044	<1	1.61	0.007	0.10	0.2	0.02	2.5	0.2	<0.05	5	<0.5	<0.2
1222926	Soil	27	0.49	174	0.041	1	1.69	0.008	0.06	0.2	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
1222927	Soil	24	0.48	116	0.031	<1	1.47	0.009	0.11	0.2	0.02	2.1	0.2	<0.05	4	<0.5	<0.2
1222928	Soil	22	0.35	103	0.028	<1	1.35	0.007	0.10	0.2	0.02	1.6	0.2	<0.05	5	<0.5	<0.2
1222929	Soil	26	0.49	122	0.045	<1	1.55	0.008	0.13	0.2	0.02	2.1	0.2	<0.05	5	<0.5	<0.2
1222930	Soil	49	0.65	178	0.064	<1	2.10	0.013	0.21	0.6	0.03	3.1	0.4	<0.05	7	0.7	<0.2
1222931	Soil	50	0.73	143	0.077	1	2.01	0.013	0.30	0.7	0.02	3.1	0.5	<0.05	7	<0.5	<0.2
1222932	Soil	43	0.66	190	0.065	<1	2.02	0.012	0.20	0.7	0.02	3.1	0.4	<0.05	6	0.6	<0.2
1222933	Soil	42	0.65	210	0.056	1	1.84	0.009	0.13	0.4	0.03	3.1	0.3	<0.05	5	<0.5	<0.2
1222934	Soil	32	0.54	186	0.041	1	1.54	0.008	0.09	0.4	0.04	2.6	0.3	<0.05	5	<0.5	<0.2
1222935	Soil	29	0.52	161	0.041	<1	1.53	0.007	0.09	0.3	0.04	2.4	0.3	<0.05	5	0.6	<0.2
1222936	Soil	44	0.71	233	0.082	<1	1.89	0.013	0.29	0.3	0.02	3.6	0.5	<0.05	6	<0.5	<0.2
1222937	Soil	33	0.54	164	0.055	<1	1.63	0.009	0.14	0.3	0.02	2.6	0.3	<0.05	5	0.6	<0.2
1222938	Soil	38	0.57	222	0.068	<1	1.86	0.009	0.16	0.3	0.03	3.4	0.3	<0.05	6	<0.5	<0.2
1222939	Soil	23	0.40	145	0.045	<1	1.19	0.007	0.07	0.3	0.03	2.4	0.2	<0.05	4	<0.5	<0.2
1222940	Soil	24	0.42	132	0.035	1	1.37	0.006	0.09	0.2	0.04	2.3	0.2	<0.05	4	<0.5	<0.2
1222941	Soil	25	0.42	131	0.032	<1	1.41	0.005	0.08	0.2	0.05	2.4	0.2	<0.05	5	<0.5	<0.2
1222942	Soil	18	0.34	97	0.025	<1	1.06	0.006	0.07	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1222943	Soil	22	0.35	135	0.027	<1	1.33	0.006	0.07	0.2	0.06	2.0	0.2	<0.05	5	<0.5	<0.2
1223051	Soil	18	0.33	113	0.037	<1	0.92	0.006	0.05	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1223052	Soil	16	0.29	77	0.028	1	0.85	0.005	0.03	0.2	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1223053	Soil	17	0.24	108	0.023	<1	0.95	0.005	0.04	0.2	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1223054	Soil	15	0.28	89	0.019	<1	0.87	0.005	0.04	0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2

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Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223055	Soil	0.7	16.5	11.4	55	<0.1	17.6	6.8	228	2.03	30.2	7.2	3.4	15	<0.1	1.7	0.3	30	0.09	0.035	21
1223056	Soil	0.8	20.4	13.0	50	<0.1	15.6	6.1	175	2.01	35.1	6.8	0.5	18	0.1	1.3	0.4	36	0.10	0.059	20
1223057	Soil	0.8	16.1	12.5	46	<0.1	12.6	5.1	206	1.80	28.1	20.0	0.6	14	0.1	1.0	0.4	32	0.08	0.077	19
1223058	Soil	0.8	17.8	10.9	49	<0.1	14.5	5.8	205	1.89	21.1	6.4	2.1	13	<0.1	1.0	0.3	31	0.09	0.053	18
1223059	Soil	0.7	21.0	9.7	55	<0.1	15.9	6.2	225	1.83	16.5	3.2	1.8	16	<0.1	1.2	0.3	32	0.12	0.053	21
1223060	Soil	0.7	13.1	9.9	39	<0.1	10.6	3.6	142	1.48	12.8	2.8	0.8	12	<0.1	0.8	0.3	30	0.08	0.062	14
1223061	Soil	0.7	11.7	9.1	42	<0.1	11.1	4.2	146	1.47	10.3	6.5	0.6	12	<0.1	0.6	0.3	27	0.08	0.055	15
1223062	Soil	0.5	13.6	7.9	47	<0.1	13.0	5.6	177	1.61	10.2	5.6	2.5	14	0.1	0.8	0.2	27	0.11	0.059	17
1223063	Soil	0.7	12.0	8.7	45	<0.1	12.5	4.9	189	1.60	12.9	2.8	1.3	11	0.1	0.9	0.3	28	0.07	0.049	18
1223064	Soil	0.8	13.0	10.4	47	<0.1	12.9	4.5	166	1.74	14.6	2.6	0.7	13	<0.1	0.9	0.3	31	0.08	0.063	17
1223065	Soil	0.7	13.8	8.9	47	<0.1	12.6	4.3	140	1.74	15.0	3.3	0.8	12	<0.1	0.9	0.3	28	0.07	0.052	16
1223066	Soil	0.6	10.9	8.7	38	<0.1	9.8	3.7	120	1.41	10.5	1.5	1.1	12	<0.1	0.7	0.2	24	0.07	0.058	16
1223067	Soil	0.7	13.2	8.8	51	<0.1	12.3	5.7	172	1.82	14.7	1.4	1.8	13	0.1	0.9	0.3	29	0.10	0.057	16
1223068	Soil	0.6	13.0	9.7	42	<0.1	11.0	4.0	125	1.54	11.0	10.7	0.4	12	0.1	0.6	0.3	29	0.08	0.045	16
1223069	Soil	0.6	11.4	8.1	43	<0.1	11.5	4.5	149	1.56	10.5	5.4	0.8	12	<0.1	1.1	0.2	27	0.08	0.045	15
1223070	Soil	0.6	11.7	9.1	46	<0.1	10.8	4.4	183	1.71	11.4	12.5	1.6	12	<0.1	0.7	0.3	31	0.08	0.046	17
1223071	Soil	0.6	14.9	10.1	50	<0.1	14.5	6.1	188	1.76	22.9	3.9	1.1	21	<0.1	0.8	0.3	28	0.17	0.053	19
1223072	Soil	0.5	15.9	9.3	54	0.2	15.3	6.6	212	1.74	28.6	5.1	1.4	47	0.2	1.0	0.3	23	0.43	0.072	17
1223073	Soil	0.5	15.5	10.1	59	0.2	15.7	7.0	175	1.68	24.3	4.1	2.5	27	0.1	0.9	0.3	25	0.25	0.057	18
1223074	Soil	0.5	12.4	10.5	62	0.2	12.9	6.2	302	1.65	18.4	2.7	2.2	45	0.4	0.9	0.3	23	0.41	0.064	15
1223075	Soil	0.4	17.2	16.3	59	0.2	14.1	5.1	149	1.55	11.9	3.3	3.0	34	0.3	1.0	0.5	23	0.30	0.055	19
1223076	Soil	0.6	12.4	13.1	57	0.2	12.5	6.2	230	1.75	17.5	6.7	2.7	34	0.2	1.0	0.4	24	0.28	0.061	17
1223077	Soil	0.7	16.5	16.1	59	0.3	14.4	7.9	288	2.00	21.7	8.7	3.0	30	0.3	1.4	0.4	23	0.24	0.065	17
1223078	Soil	0.5	14.1	12.2	51	0.2	12.5	4.0	144	1.48	15.4	5.6	2.7	33	0.1	1.0	0.4	22	0.28	0.050	17
1223079	Soil	0.4	11.0	11.8	41	0.2	9.9	3.1	88	1.34	14.1	4.3	2.1	24	0.2	0.8	0.3	20	0.18	0.051	15
1223080	Soil	0.6	12.2	11.0	48	0.1	11.4	5.1	177	1.65	20.4	5.4	3.1	17	0.1	0.9	0.3	25	0.13	0.040	18
1223151	Soil	1.3	45.2	29.6	80	0.4	25.8	11.9	258	2.67	93.4	7.3	4.2	15	0.4	1.7	0.6	40	0.06	0.035	14
1223152	Soil	0.7	21.4	37.1	67	0.5	19.3	7.2	284	1.72	117.0	15.3	4.3	13	0.5	1.0	0.4	33	0.11	0.034	24
1223153	Soil	0.6	19.2	10.3	55	<0.1	18.4	6.5	191	2.14	132.3	18.2	1.2	14	0.2	0.6	0.6	36	0.09	0.034	15
1223154	Soil	1.0	25.9	11.3	70	<0.1	24.3	11.5	380	3.40	30.1	2.8	8.6	8	0.2	0.6	0.3	35	0.05	0.034	25

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223055	Soil	19	0.35	120	0.033	<1	1.04	0.004	0.05	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1223056	Soil	21	0.31	172	0.022	<1	1.27	0.006	0.05	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1223057	Soil	20	0.29	121	0.022	<1	1.08	0.006	0.05	0.2	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1223058	Soil	20	0.32	135	0.027	<1	1.05	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1223059	Soil	20	0.33	184	0.034	<1	1.02	0.006	0.04	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1223060	Soil	17	0.31	103	0.029	<1	0.96	0.005	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1223061	Soil	18	0.24	115	0.021	<1	0.94	0.007	0.03	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1223062	Soil	17	0.27	99	0.031	<1	0.88	0.005	0.04	0.2	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1223063	Soil	16	0.26	100	0.025	<1	0.92	0.005	0.03	0.2	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223064	Soil	19	0.26	114	0.025	<1	1.09	0.005	0.04	0.2	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1223065	Soil	17	0.26	107	0.020	<1	1.05	0.006	0.03	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1223066	Soil	15	0.28	99	0.022	<1	0.92	0.005	0.03	0.2	0.05	1.3	<0.1	<0.05	3	<0.5	<0.2
1223067	Soil	17	0.28	109	0.025	<1	0.96	0.005	0.03	0.3	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1223068	Soil	17	0.25	106	0.016	<1	0.99	0.005	0.03	0.3	0.05	0.9	<0.1	<0.05	3	<0.5	<0.2
1223069	Soil	16	0.26	100	0.020	<1	0.95	0.004	0.03	0.2	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1223070	Soil	16	0.25	97	0.024	<1	0.95	0.005	0.03	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1223071	Soil	17	0.28	164	0.020	<1	1.01	0.005	0.03	0.3	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1223072	Soil	15	0.29	176	0.013	<1	1.02	0.007	0.04	0.2	0.03	1.7	<0.1	<0.05	3	1.0	<0.2
1223073	Soil	16	0.28	204	0.014	<1	0.99	0.006	0.03	0.2	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1223074	Soil	14	0.27	203	0.012	<1	0.90	0.006	0.03	0.2	0.04	1.7	<0.1	0.06	3	<0.5	<0.2
1223075	Soil	13	0.25	253	0.009	<1	0.97	0.006	0.03	0.2	0.05	1.9	0.1	<0.05	3	<0.5	<0.2
1223076	Soil	14	0.25	219	0.011	<1	0.92	0.005	0.04	0.2	0.05	1.7	<0.1	<0.05	3	<0.5	<0.2
1223077	Soil	14	0.26	245	0.008	<1	0.96	0.005	0.03	0.2	0.05	1.9	<0.1	<0.05	3	<0.5	<0.2
1223078	Soil	15	0.25	229	0.010	<1	0.93	0.005	0.03	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1223079	Soil	14	0.27	174	0.008	<1	0.88	0.005	0.03	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1223080	Soil	15	0.24	120	0.013	<1	0.87	0.004	0.04	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1223151	Soil	27	0.35	130	0.039	<1	1.72	0.006	0.06	1.2	0.06	2.5	0.1	<0.05	4	<0.5	<0.2
1223152	Soil	29	0.34	201	0.027	1	1.00	0.005	0.08	1.1	0.02	2.0	0.1	<0.05	3	<0.5	<0.2
1223153	Soil	45	0.49	96	0.025	1	1.37	0.006	0.05	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223154	Soil	27	0.47	71	0.011	<1	1.86	0.005	0.05	0.1	0.02	1.9	<0.1	0.05	5	<0.5	<0.2

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

Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

		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
1223155	Soil		0.7	21.6	10.0	49	<0.1	13.2	4.8	176	2.32	14.1	0.7	5.6	10	0.1	0.6	0.3	32	0.08	0.029	23
1223156	Soil		0.7	21.8	9.8	53	<0.1	19.6	8.6	259	2.30	14.0	2.4	4.4	12	0.1	0.6	0.2	38	0.09	0.032	22
1223157	Soil		0.7	15.5	9.0	43	<0.1	13.8	4.8	146	2.07	9.8	<0.5	3.3	11	<0.1	0.5	0.1	36	0.09	0.037	18
1223158	Soil		0.9	16.1	9.8	42	<0.1	11.9	4.2	159	2.14	10.6	1.7	2.1	11	<0.1	0.4	0.2	35	0.08	0.047	21
1223159	Soil		0.8	17.5	8.6	49	<0.1	14.1	5.2	164	2.26	10.0	<0.5	3.1	11	<0.1	0.5	0.2	37	0.07	0.026	19
1223160	Soil		0.7	15.9	7.9	42	<0.1	13.0	4.5	150	2.02	9.2	<0.5	2.1	11	<0.1	0.5	0.2	33	0.08	0.028	16
1223161	Soil		0.9	16.4	8.3	38	<0.1	9.5	3.6	149	2.07	6.4	2.2	3.0	12	<0.1	0.3	0.2	25	0.05	0.034	22
1223162	Soil		0.8	27.3	7.9	52	<0.1	14.1	6.5	252	2.72	24.2	1.5	9.9	16	0.1	0.6	0.2	28	0.07	0.029	31
1223163	Soil		0.9	18.7	11.0	45	<0.1	15.3	6.3	201	2.49	11.6	8.2	4.6	12	0.1	0.7	0.2	38	0.09	0.038	16
1223164	Soil		1.0	15.4	9.8	44	<0.1	10.1	4.2	168	2.76	10.8	3.7	6.8	12	<0.1	0.4	0.3	36	0.05	0.031	22
1223165	Soil		1.1	16.8	11.0	50	<0.1	13.9	5.9	190	2.66	10.9	<0.5	5.4	12	0.1	0.6	0.2	46	0.07	0.023	15
1223166	Soil		1.0	13.7	11.8	55	<0.1	15.0	7.3	239	2.63	16.8	<0.5	3.3	12	0.2	0.7	0.2	45	0.09	0.040	14
1223167	Soil		0.7	21.3	11.2	51	0.1	15.9	6.2	200	2.58	25.4	4.0	8.3	11	0.2	0.7	0.2	39	0.06	0.021	18
1223168	Soil		0.7	18.5	9.4	44	0.1	17.5	6.7	162	2.12	13.0	1.5	4.7	11	0.1	0.7	0.2	37	0.08	0.021	13
1223169	Soil		0.8	21.1	10.7	55	<0.1	15.8	7.5	206	2.19	38.3	7.8	7.3	11	0.3	0.6	0.2	28	0.05	0.021	20
1223170	Soil		0.9	11.8	11.3	39	<0.1	12.5	5.2	135	2.01	10.6	1.9	4.5	10	0.3	0.5	0.2	43	0.07	0.019	14
1223171	Soil		1.1	12.5	11.9	36	0.3	9.0	3.6	156	1.96	30.4	2.2	6.5	11	0.4	0.4	0.3	39	0.06	0.020	19
1223172	Soil		0.8	17.8	32.6	58	0.2	14.3	5.6	189	2.33	19.2	<0.5	6.6	12	0.3	0.5	0.3	38	0.07	0.020	19
1223173	Soil		0.7	25.3	63.0	68	<0.1	17.5	6.7	216	2.28	19.7	1.6	10.0	9	0.4	0.7	0.2	30	0.05	0.016	25
1223174	Soil		0.8	16.9	111.7	71	1.0	14.5	6.0	205	2.37	15.0	1.8	6.4	9	0.4	0.7	0.2	41	0.06	0.020	16
1223175	Soil		1.0	19.7	59.0	71	0.3	15.7	6.3	235	2.81	29.9	<0.5	7.5	11	0.3	0.7	0.3	41	0.06	0.019	24
1223176	Soil		0.8	13.8	59.8	44	0.3	14.8	5.9	165	2.20	14.1	7.2	5.5	10	0.4	0.7	0.2	36	0.08	0.029	13
1223177	Soil		1.0	29.7	27.7	65	0.2	23.5	8.3	211	2.87	35.0	2.6	10.3	10	0.2	0.9	0.3	39	0.05	0.020	21
1223178	Soil		0.9	22.0	11.6	50	<0.1	17.8	7.5	209	2.26	18.1	1.5	5.7	10	<0.1	0.7	0.2	40	0.07	0.016	16
1223179	Soil		0.8	18.5	12.3	48	<0.1	16.0	5.9	195	2.34	16.5	<0.5	7.1	9	0.1	0.6	0.2	36	0.06	0.017	18
1223180	Soil		0.7	25.9	11.2	56	0.1	25.6	10.9	238	2.56	29.0	3.7	8.8	9	<0.1	0.7	0.2	36	0.06	0.016	24
1223181	Soil		0.9	22.8	11.9	57	0.1	19.8	8.6	249	2.52	19.3	2.9	6.4	12	<0.1	0.8	0.2	45	0.09	0.019	17
1223182	Soil		0.7	23.5	10.7	54	0.1	18.9	6.4	208	2.40	22.9	6.0	6.9	11	<0.1	0.7	0.2	34	0.06	0.014	19
1223183	Soil		1.2	25.1	14.2	59	0.2	20.2	8.3	243	2.73	19.9	0.9	7.7	9	0.1	0.8	0.2	45	0.05	0.021	15
1223184	Soil		0.8	16.9	11.1	44	0.1	13.8	5.4	171	2.35	23.8	<0.5	5.4	9	<0.1	0.6	0.2	46	0.06	0.020	16

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Project: LUG
Report Date: November 12, 2011

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223155	Soil	22	0.41	91	0.021	<1	1.35	0.005	0.04	0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1223156	Soil	24	0.39	125	0.029	<1	1.38	0.007	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223157	Soil	23	0.37	88	0.030	<1	1.33	0.008	0.04	0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1223158	Soil	22	0.33	108	0.020	<1	1.37	0.005	0.04	0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1223159	Soil	23	0.42	86	0.026	<1	1.40	0.005	0.04	0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1223160	Soil	22	0.40	83	0.029	<1	1.23	0.010	0.04	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1223161	Soil	18	0.35	68	0.014	<1	1.24	0.006	0.04	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1223162	Soil	22	0.48	138	0.026	1	1.23	0.014	0.04	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223163	Soil	25	0.38	125	0.029	<1	1.46	0.007	0.05	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1223164	Soil	23	0.41	96	0.016	<1	1.46	0.007	0.05	0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1223165	Soil	25	0.41	128	0.034	<1	1.59	0.007	0.05	0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1223166	Soil	23	0.40	114	0.030	<1	1.38	0.008	0.06	0.2	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1223167	Soil	23	0.40	142	0.029	<1	1.62	0.006	0.05	0.1	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
1223168	Soil	23	0.37	164	0.032	<1	1.46	0.006	0.04	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1223169	Soil	21	0.38	117	0.025	<1	1.26	0.005	0.05	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223170	Soil	21	0.31	125	0.029	<1	1.47	0.004	0.04	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1223171	Soil	17	0.27	116	0.024	<1	1.31	0.006	0.04	<0.1	<0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1223172	Soil	22	0.38	155	0.025	<1	1.59	0.006	0.04	0.1	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1223173	Soil	22	0.41	135	0.020	<1	1.41	0.005	0.05	<0.1	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1223174	Soil	23	0.38	131	0.028	<1	1.62	0.005	0.04	0.1	0.01	2.0	0.1	<0.05	4	<0.5	<0.2
1223175	Soil	25	0.43	137	0.025	<1	1.68	0.005	0.05	0.1	<0.01	2.0	0.1	<0.05	5	<0.5	<0.2
1223176	Soil	22	0.34	116	0.029	<1	1.42	0.005	0.03	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223177	Soil	26	0.48	152	0.023	<1	1.75	0.006	0.05	0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1223178	Soil	24	0.39	146	0.036	<1	1.39	0.007	0.04	0.1	0.02	2.7	<0.1	<0.05	4	0.6	<0.2
1223179	Soil	23	0.41	115	0.029	<1	1.51	0.006	0.04	0.2	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1223180	Soil	25	0.46	152	0.027	<1	1.81	0.007	0.06	0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
1223181	Soil	28	0.45	172	0.042	<1	1.77	0.008	0.05	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1223182	Soil	23	0.44	125	0.029	<1	1.50	0.008	0.05	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1223183	Soil	28	0.41	175	0.035	<1	1.84	0.007	0.06	0.2	0.01	2.7	0.1	<0.05	4	<0.5	<0.2
1223184	Soil	23	0.36	131	0.031	<1	1.46	0.012	0.04	0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
1223185	Soil		0.8	15.9	10.5	43	<0.1	14.9	5.6	164	2.29	44.5	<0.5	5.4	9	<0.1	0.6	0.2	36	0.06	0.016	15
1223186	Soil		0.7	21.9	13.3	54	0.4	15.9	5.9	191	2.44	60.1	6.6	7.3	10	0.1	0.7	0.2	38	0.06	0.016	19
1223187	Soil		1.1	22.5	17.3	66	0.2	19.8	7.1	215	2.76	82.1	1.5	6.6	10	0.1	0.9	0.3	46	0.06	0.024	19
1223188	Soil		1.0	7.8	10.0	32	0.4	8.5	3.9	134	1.95	8.2	2.3	2.9	8	0.1	0.5	0.2	50	0.06	0.024	13
1223189	Soil		1.2	19.1	17.7	65	0.2	17.2	6.0	177	2.95	60.9	9.6	7.5	9	0.3	0.7	0.2	40	0.05	0.049	23
1223190	Soil		1.1	27.2	59.1	62	0.3	11.9	4.1	155	3.51	224.6	4.0	11.0	16	0.3	1.0	0.4	40	0.05	0.045	30
1223191	Soil		0.9	16.4	14.4	52	1.0	14.0	5.8	182	2.65	170.6	9.2	5.5	16	0.4	0.8	0.3	40	0.08	0.034	17
1223192	Soil		1.1	26.7	14.1	55	0.4	13.7	5.5	186	2.80	15.0	0.8	8.4	9	0.1	0.5	0.2	30	0.04	0.025	25
1223193	Soil		0.8	19.5	9.8	46	0.4	25.6	8.7	168	2.10	22.0	11.0	5.4	13	0.1	0.6	0.2	29	0.07	0.029	15
1223194	Soil		0.7	15.7	10.5	44	0.2	18.0	6.8	156	2.05	13.4	2.3	4.0	12	<0.1	0.6	0.2	35	0.11	0.018	12
1223195	Soil		0.9	13.7	10.8	46	0.1	14.6	7.0	162	2.27	8.4	2.1	3.9	11	<0.1	0.6	0.2	41	0.10	0.020	11
1223196	Soil		0.9	19.0	14.1	62	0.1	23.3	8.5	191	3.02	46.9	6.4	8.2	17	<0.1	0.6	0.2	42	0.17	0.038	19
1223197	Soil		0.8	14.8	8.9	39	0.3	11.8	5.9	133	2.25	13.1	3.0	4.7	10	<0.1	0.4	0.2	38	0.07	0.016	16
1223198	Soil		1.0	21.1	13.2	47	0.7	20.8	8.1	159	2.86	34.9	7.3	4.3	9	0.1	0.8	0.2	47	0.05	0.020	12
1223199	Soil		0.9	11.5	14.7	44	0.4	14.2	7.9	158	2.23	50.4	15.3	4.4	13	0.1	0.7	0.2	34	0.10	0.015	15
1223200	Soil		1.5	36.1	24.0	66	0.4	22.0	8.5	200	3.66	123.6	21.0	10.0	16	<0.1	1.8	0.4	25	0.06	0.032	26
1223201	Soil		1.2	38.4	16.6	69	0.2	23.4	8.6	229	3.20	38.5	6.1	9.7	17	<0.1	1.2	0.3	29	0.10	0.025	25
1223202	Soil		1.1	31.3	14.8	69	0.2	26.6	11.0	290	2.70	27.2	4.9	6.4	21	0.2	0.9	0.2	35	0.30	0.042	20
1223203	Soil		0.9	22.0	10.5	52	0.1	18.2	7.1	190	2.20	27.9	3.4	5.3	16	0.1	0.5	0.2	30	0.17	0.040	19
1223204	Soil		1.0	24.3	13.3	53	<0.1	26.8	9.7	192	2.65	14.7	2.4	8.8	9	0.1	0.6	0.2	34	0.05	0.018	24
1223205	Soil		0.6	28.6	31.9	112	0.4	31.0	13.7	667	3.11	21.9	21.4	15.0	11	0.8	0.7	0.3	13	0.12	0.033	41
1223206	Soil		1.2	28.1	38.1	79	0.8	23.8	11.3	451	3.44	19.4	12.9	8.4	15	0.5	1.0	0.3	24	0.09	0.037	29
1223401	Soil		1.3	19.3	18.7	64	<0.1	16.0	6.6	203	2.73	59.1	5.4	5.0	10	0.3	0.6	0.8	48	0.08	0.033	17
1223402	Soil		1.2	13.7	13.5	51	<0.1	13.1	4.7	160	2.13	30.2	10.3	3.1	10	0.3	0.5	0.6	47	0.08	0.021	13
1223403	Soil		0.7	7.7	9.4	35	<0.1	9.4	3.0	97	1.71	17.2	9.8	1.0	8	0.2	0.3	0.3	38	0.07	0.020	11
1223404	Soil		0.7	17.4	15.8	69	0.1	13.4	4.5	176	1.94	16.6	3.1	2.8	9	0.8	0.4	0.5	41	0.07	0.020	15
1223405	Soil		0.8	14.6	12.6	63	<0.1	16.1	5.7	155	2.21	17.8	3.8	3.2	9	0.4	0.5	0.4	38	0.08	0.028	11
1223406	Soil		1.4	14.1	12.3	75	0.2	17.2	8.5	244	2.81	13.0	2.7	4.9	10	0.4	0.6	0.2	56	0.09	0.053	11
1223407	Soil		1.1	6.4	15.8	396	0.1	10.9	5.9	271	2.87	9.1	<0.5	6.9	11	3.0	0.4	0.2	52	0.11	0.105	16
1223408	Soil		1.4	12.7	14.3	372	0.3	17.7	6.2	179	2.31	11.0	1.5	4.5	8	1.5	0.7	0.2	44	0.07	0.035	10

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

Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223185	Soil	22	0.38	137	0.026	<1	1.48	0.009	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223186	Soil	23	0.40	172	0.026	<1	1.58	0.006	0.04	0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1223187	Soil	27	0.47	178	0.022	<1	1.85	0.007	0.06	0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1223188	Soil	17	0.22	83	0.033	<1	1.08	0.004	0.03	0.2	0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
1223189	Soil	20	0.33	111	0.023	1	1.13	0.004	0.05	0.2	0.01	1.7	<0.1	<0.05	4	0.9	<0.2
1223190	Soil	19	0.31	141	0.009	2	1.49	0.006	0.03	0.1	0.01	1.7	0.1	<0.05	6	<0.5	<0.2
1223191	Soil	20	0.36	129	0.013	<1	1.45	0.007	0.04	0.1	0.02	1.7	<0.1	<0.05	5	0.5	<0.2
1223192	Soil	20	0.44	111	0.008	<1	1.46	0.005	0.04	<0.1	<0.01	1.7	<0.1	<0.05	4	0.6	<0.2
1223193	Soil	17	0.37	173	0.010	<1	1.09	0.005	0.04	0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1223194	Soil	19	0.33	159	0.021	<1	1.06	0.005	0.05	0.1	0.02	1.6	<0.1	<0.05	3	0.6	<0.2
1223195	Soil	23	0.37	173	0.022	1	1.29	0.006	0.04	0.1	0.01	1.7	<0.1	<0.05	4	0.5	<0.2
1223196	Soil	23	0.40	198	0.011	<1	1.60	0.004	0.04	0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1223197	Soil	19	0.35	119	0.020	1	1.21	0.005	0.04	0.1	0.02	1.6	<0.1	<0.05	4	0.7	<0.2
1223198	Soil	27	0.38	108	0.030	<1	1.78	0.006	0.05	0.2	0.02	2.0	<0.1	<0.05	4	0.6	<0.2
1223199	Soil	17	0.31	102	0.016	<1	1.19	0.009	0.08	0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1223200	Soil	20	0.52	119	0.008	<1	1.35	0.006	0.06	<0.1	0.02	2.0	<0.1	<0.05	4	0.6	<0.2
1223201	Soil	23	0.58	157	0.019	<1	1.43	0.009	0.06	<0.1	0.02	2.7	<0.1	<0.05	4	0.8	<0.2
1223202	Soil	24	0.52	310	0.024	2	1.31	0.009	0.06	0.2	0.03	2.9	<0.1	<0.05	4	0.7	<0.2
1223203	Soil	19	0.44	218	0.020	1	1.17	0.008	0.05	0.2	0.02	2.1	<0.1	<0.05	4	1.1	<0.2
1223204	Soil	23	0.38	118	0.021	<1	1.31	0.005	0.04	0.2	0.01	2.2	<0.1	<0.05	4	0.7	<0.2
1223205	Soil	18	0.52	111	0.002	1	1.35	0.004	0.08	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1223206	Soil	23	0.58	123	0.010	1	1.46	0.006	0.08	0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
1223401	Soil	25	0.39	167	0.015	<1	1.56	0.005	0.06	0.3	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1223402	Soil	22	0.35	154	0.026	<1	1.34	0.005	0.05	0.3	0.02	1.9	0.2	<0.05	5	<0.5	<0.2
1223403	Soil	17	0.27	85	0.024	<1	0.95	0.009	0.04	0.1	0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
1223404	Soil	20	0.29	154	0.021	<1	1.27	0.004	0.05	0.2	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1223405	Soil	22	0.37	123	0.024	2	1.32	0.005	0.05	0.2	0.03	1.9	0.1	<0.05	4	0.8	<0.2
1223406	Soil	33	0.43	159	0.029	<1	2.00	0.006	0.05	0.2	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1223407	Soil	21	0.34	156	0.011	<1	1.62	0.005	0.05	0.2	0.01	2.0	0.2	<0.05	7	0.6	<0.2
1223408	Soil	23	0.37	121	0.021	<1	1.53	0.005	0.05	0.2	0.02	2.1	0.1	<0.05	4	0.8	<0.2

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Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223409	Soil		1.2	11.5	34.1	379	0.9	14.5	8.8	430	2.56	10.3	3.1	3.7	11	2.4	0.6	0.3	53	0.09	0.053	11
1223410	Soil		1.2	11.9	40.9	477	0.8	18.7	7.5	330	2.82	11.8	2.2	10.9	10	3.2	0.5	0.5	54	0.09	0.038	18
1223411	Soil		1.2	8.5	28.2	171	0.2	14.3	6.8	286	2.55	10.2	2.4	9.0	11	0.8	0.4	0.4	46	0.10	0.042	18
1223412	Soil		1.1	7.7	60.8	285	0.4	12.5	6.2	254	2.31	7.9	0.9	7.9	8	1.5	0.4	0.6	43	0.08	0.053	17
1223413	Soil		1.6	23.4	44.8	223	0.2	21.8	7.7	484	2.65	10.0	3.0	14.9	16	0.6	0.9	0.6	46	0.16	0.053	27
1223414	Soil		1.1	15.2	25.6	118	0.2	14.9	5.5	255	2.10	8.0	3.7	7.5	12	0.4	0.6	0.4	39	0.12	0.041	22
1223415	Soil		1.1	10.4	27.4	156	0.1	11.9	4.7	245	2.12	7.0	1.6	9.9	11	0.7	0.4	0.5	38	0.14	0.055	21
1223416	Soil		0.9	14.0	26.6	155	0.1	13.4	5.0	217	1.95	6.3	1.4	6.5	13	0.7	0.4	0.3	37	0.14	0.042	19
1223417	Soil		1.1	18.0	20.3	102	<0.1	16.2	6.0	223	2.20	10.3	4.2	6.2	12	0.4	0.5	0.3	40	0.12	0.030	16
1223418	Soil		0.8	15.2	15.5	69	0.1	12.9	4.8	155	1.89	11.5	6.1	3.9	14	0.3	0.4	0.3	34	0.16	0.051	17
1223419	Soil		1.2	14.3	26.0	66	0.1	14.0	4.8	154	2.14	15.4	2.2	1.4	13	0.4	0.5	0.5	43	0.11	0.038	17
1223420	Soil		1.3	23.0	25.2	68	<0.1	20.4	8.1	240	2.62	16.2	2.4	6.7	14	0.2	0.6	0.5	48	0.11	0.030	18
1223421	Soil		1.0	21.5	31.7	68	0.2	17.3	7.1	217	2.43	15.6	2.8	4.8	12	0.4	0.7	0.7	46	0.10	0.040	18
1223422	Soil		1.1	20.3	20.7	60	<0.1	15.9	6.4	207	2.27	14.0	2.5	5.3	12	0.2	0.6	0.5	42	0.11	0.025	18
1223423	Soil		0.9	19.3	17.1	57	<0.1	16.7	6.1	184	2.26	12.2	3.1	5.0	13	0.1	0.6	0.3	42	0.11	0.020	17
1223424	Soil		1.0	15.6	15.5	57	<0.1	17.3	5.9	166	2.30	13.9	2.3	5.0	11	0.2	0.6	0.3	41	0.09	0.025	16
1223425	Soil		0.8	12.5	13.1	49	<0.1	14.5	5.3	129	2.04	13.3	1.9	4.7	10	0.3	0.5	0.3	46	0.08	0.019	15
1223426	Soil		1.0	10.5	12.0	43	0.2	15.3	7.7	198	2.57	12.1	1.4	3.8	12	0.2	0.6	0.2	56	0.11	0.032	12
1223427	Soil		1.3	22.1	12.3	43	0.2	18.0	6.4	148	2.66	17.0	3.1	6.1	15	0.1	0.6	0.5	51	0.09	0.023	18
1223428	Soil		0.8	26.2	7.3	38	0.1	16.1	6.7	142	2.07	9.5	7.8	5.5	17	0.1	0.4	2.4	39	0.15	0.019	16
1223429	Soil		1.2	24.5	13.4	72	<0.1	20.6	9.7	336	2.86	26.2	3.6	1.1	12	0.3	0.7	0.3	55	0.10	0.064	16
1223430	Soil		1.4	8.5	9.3	45	<0.1	10.7	4.7	211	3.07	14.3	1.4	4.2	7	<0.1	0.7	0.3	62	0.06	0.025	13
1223431	Soil		1.1	9.5	12.2	42	<0.1	11.6	6.1	261	2.98	10.6	3.2	5.7	9	0.2	0.6	0.2	52	0.08	0.033	13
1223432	Soil		1.9	14.9	15.0	55	<0.1	14.3	5.2	179	2.18	15.1	8.4	1.2	11	0.3	0.4	0.3	47	0.11	0.047	15
1223433	Soil		2.8	14.0	15.3	64	0.2	13.5	8.3	379	2.21	13.0	5.0	1.7	16	0.4	0.4	0.3	45	0.17	0.046	17
1223434	Soil		3.6	13.6	14.2	54	0.2	13.5	5.3	189	2.03	14.7	4.0	1.5	15	0.2	0.4	0.3	43	0.17	0.048	16
1223435	Soil		2.2	12.6	9.2	46	<0.1	11.1	4.1	141	1.68	12.6	1.3	0.9	14	0.3	0.3	0.3	35	0.14	0.046	22
1221001	Soil		0.5	18.0	15.0	52	<0.1	14.9	5.7	202	2.05	9.9	1.5	7.3	7	0.1	0.8	0.2	28	0.06	0.025	26
1221002	Soil		0.9	6.6	12.3	29	<0.1	7.3	3.1	107	2.02	10.1	2.0	3.3	9	0.2	0.4	0.2	53	0.08	0.033	14
1221003	Soil		1.2	20.1	14.3	45	0.1	13.3	4.5	164	2.29	8.3	1.3	0.7	12	0.2	0.6	0.2	33	0.08	0.061	13

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223409	Soil	26	0.37	192	0.030	1	1.65	0.006	0.05	0.2	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1223410	Soil	28	0.44	145	0.032	<1	1.93	0.006	0.07	0.2	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
1223411	Soil	23	0.38	155	0.021	<1	1.63	0.005	0.05	0.1	0.02	2.2	0.2	<0.05	5	0.6	<0.2
1223412	Soil	19	0.32	128	0.018	<1	1.41	0.005	0.04	0.2	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1223413	Soil	25	0.47	263	0.043	<1	1.43	0.009	0.07	0.2	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
1223414	Soil	20	0.35	205	0.035	<1	1.28	0.007	0.05	0.2	0.02	2.4	0.1	<0.05	5	0.7	<0.2
1223415	Soil	19	0.36	141	0.029	<1	1.26	0.006	0.06	0.2	0.01	2.3	0.1	<0.05	5	0.8	<0.2
1223416	Soil	21	0.38	166	0.039	<1	1.26	0.006	0.05	0.2	0.02	2.7	0.1	<0.05	4	0.8	<0.2
1223417	Soil	24	0.39	181	0.033	<1	1.39	0.008	0.05	0.2	0.02	2.7	0.1	<0.05	4	0.8	<0.2
1223418	Soil	20	0.36	144	0.029	2	1.17	0.006	0.05	0.3	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1223419	Soil	21	0.32	189	0.021	2	1.48	0.006	0.06	0.3	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1223420	Soil	32	0.44	223	0.036	2	1.72	0.007	0.06	0.2	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
1223421	Soil	25	0.38	266	0.027	<1	1.56	0.007	0.06	0.4	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
1223422	Soil	24	0.38	210	0.029	<1	1.50	0.006	0.05	0.3	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1223423	Soil	25	0.41	195	0.034	2	1.44	0.006	0.06	0.2	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
1223424	Soil	23	0.36	145	0.029	1	1.41	0.006	0.06	0.2	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1223425	Soil	21	0.32	154	0.035	<1	1.39	0.005	0.05	0.2	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
1223426	Soil	25	0.33	195	0.040	1	1.66	0.008	0.04	0.2	0.02	2.5	0.1	<0.05	5	0.7	<0.2
1223427	Soil	28	0.42	187	0.041	<1	1.71	0.007	0.09	0.3	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
1223428	Soil	20	0.29	196	0.017	1	1.16	0.005	0.05	0.3	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1223429	Soil	32	0.47	138	0.037	1	1.90	0.007	0.08	0.3	0.04	2.4	0.2	<0.05	6	0.6	<0.2
1223430	Soil	24	0.31	50	0.061	1	1.17	0.004	0.04	0.5	0.01	2.1	0.2	<0.05	7	<0.5	<0.2
1223431	Soil	30	0.36	79	0.044	2	2.18	0.006	0.04	0.2	0.05	2.9	0.2	<0.05	6	1.2	<0.2
1223432	Soil	24	0.37	106	0.032	1	1.34	0.006	0.07	0.7	0.05	1.6	0.2	<0.05	5	0.7	<0.2
1223433	Soil	24	0.38	141	0.035	2	1.39	0.007	0.08	0.5	0.04	2.1	0.2	<0.05	5	0.5	<0.2
1223434	Soil	22	0.36	117	0.034	<1	1.29	0.006	0.07	0.9	0.04	1.7	0.2	<0.05	5	0.5	<0.2
1223435	Soil	18	0.30	133	0.026	1	1.13	0.006	0.05	0.3	0.04	1.5	0.2	<0.05	4	<0.5	<0.2
1221001	Soil	19	0.34	95	0.029	<1	1.19	0.003	0.07	0.2	0.02	2.1	0.1	<0.05	4	0.5	<0.2
1221002	Soil	21	0.25	97	0.041	1	1.29	0.004	0.04	0.2	0.01	2.0	0.1	<0.05	6	<0.5	<0.2
1221003	Soil	20	0.28	79	0.015	<1	1.01	0.006	0.04	0.2	0.05	1.1	<0.1	0.05	4	<0.5	<0.2

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Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

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
1221004	Soil	1.4	31.4	104.2	57	1.4	14.7	4.2	137	2.63	12.0	1.2	0.5	17	0.4	0.7	0.5	34	0.10	0.098	14
1221005	Soil	1.2	20.6	80.1	39	3.9	10.5	3.3	160	2.23	15.4	12.5	0.5	9	0.5	0.7	1.9	38	0.05	0.055	14
1221006	Soil	1.4	30.2	39.8	63	0.4	20.4	14.4	446	2.86	26.4	7.8	1.8	15	0.3	0.9	0.3	32	0.07	0.077	25
1221007	Soil	1.1	23.2	17.7	71	0.1	25.4	14.4	421	2.80	14.7	7.6	3.7	14	0.3	0.9	0.2	44	0.12	0.050	18
1221008	Soil	1.2	36.2	59.0	78	0.6	27.2	11.0	292	3.19	25.4	4.6	2.4	22	0.3	0.9	0.4	31	0.16	0.063	16
1221009	Soil	1.4	40.5	121.8	92	1.1	21.5	9.2	350	3.80	67.1	11.7	3.3	17	0.5	1.2	0.4	37	0.08	0.070	19
1221010	Soil	1.3	37.1	113.9	96	0.7	17.2	6.3	257	3.56	111.6	27.9	2.0	12	0.4	1.4	0.4	34	0.06	0.067	18
1221011	Soil	1.2	26.5	52.1	75	0.4	20.2	10.3	348	3.06	22.2	2.0	3.4	13	0.3	1.0	0.3	36	0.11	0.057	18
1221012	Soil	1.1	24.7	38.8	69	0.2	18.8	12.8	460	2.93	14.4	2.7	3.0	14	0.3	0.8	0.3	39	0.12	0.063	19
1221013	Soil	1.6	23.0	26.8	49	0.2	14.6	5.2	240	2.54	10.2	1.7	0.4	14	0.3	0.7	0.3	42	0.06	0.081	14
1221014	Soil	1.2	38.8	53.9	75	0.4	19.8	6.9	243	3.95	87.9	5.5	4.0	10	0.3	1.5	0.6	33	0.05	0.071	22
1221015	Soil	1.8	22.5	38.8	47	0.2	13.7	4.0	118	2.40	62.7	2.9	0.7	10	0.2	1.0	0.4	39	0.04	0.062	28
1221016	Soil	1.1	18.5	16.8	57	0.2	15.4	9.3	536	2.59	36.1	3.7	1.0	12	0.2	0.8	0.3	41	0.10	0.054	17
1221017	Soil	1.4	23.8	31.7	55	0.5	16.5	19.8	1703	2.53	48.0	8.0	0.4	13	0.5	1.2	0.3	33	0.10	0.108	13
1221018	Soil	1.3	43.7	41.4	98	0.3	33.2	13.2	541	4.22	194.0	41.1	7.3	14	0.3	6.8	0.6	26	0.10	0.052	29
1221019	Soil	1.2	21.5	28.9	61	<0.1	20.5	13.5	727	2.82	59.5	14.4	3.8	13	0.4	1.7	0.4	28	0.09	0.040	22
1221020	Soil	1.4	44.7	56.2	91	0.8	32.0	18.8	714	4.44	229.2	57.5	6.1	19	0.2	5.8	0.8	24	0.14	0.053	23
1221021	Soil	0.9	28.0	26.4	67	0.3	24.3	8.0	322	3.04	80.2	7.8	3.9	13	0.2	2.2	0.4	26	0.10	0.049	26
1221022	Soil	1.2	16.5	15.0	40	0.3	11.8	3.6	185	1.60	31.8	8.1	0.4	13	0.2	1.2	0.2	28	0.10	0.050	16
1221023	Soil	0.8	30.8	16.7	62	0.1	20.9	9.1	324	2.96	9.5	1.7	2.9	11	0.1	0.9	0.3	30	0.09	0.054	18
1221024	Soil	0.7	35.1	50.1	106	0.5	29.3	9.4	345	3.21	16.7	6.9	6.3	9	0.4	2.9	0.3	26	0.08	0.041	20
1221025	Soil	0.8	25.5	17.8	58	<0.1	18.6	8.2	282	3.04	7.5	2.2	3.6	10	<0.1	0.7	0.3	30	0.07	0.045	16
1221026	Soil	1.2	13.6	15.3	36	<0.1	10.7	4.2	243	2.72	11.6	3.3	2.7	7	<0.1	0.8	0.3	48	0.05	0.027	15
1221027	Soil	1.2	17.3	19.7	43	0.2	16.4	8.0	306	2.70	14.6	2.7	1.5	10	0.3	0.9	0.3	44	0.08	0.043	12
1221028	Soil	1.1	50.5	36.2	106	0.1	67.2	36.8	1230	3.36	20.8	11.9	6.8	13	0.4	1.2	0.4	27	0.13	0.070	27
1221029	Soil	1.1	21.2	17.2	50	0.1	16.8	6.6	251	2.68	11.7	1.9	1.3	11	0.2	0.8	0.3	40	0.08	0.044	15
1221030	Soil	1.2	29.2	27.0	72	0.5	21.3	8.1	330	2.81	20.8	3.7	2.1	13	0.6	0.8	0.3	36	0.09	0.056	16
1221031	Soil	0.9	29.6	27.9	66	0.4	20.4	7.0	241	2.78	47.1	7.9	1.2	10	0.2	1.3	0.3	32	0.06	0.061	17
1221032	Soil	0.7	17.5	27.9	58	0.1	18.9	5.6	209	2.15	10.2	19.1	4.1	15	0.2	0.6	0.2	28	0.14	0.057	15
1221033	Soil	0.8	9.1	15.4	30	0.1	9.5	3.8	148	2.27	10.6	10.3	3.2	7	0.1	0.7	0.2	44	0.05	0.025	10

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221004	Soil	20	0.28	133	0.016	1	1.41	0.010	0.08	0.1	0.07	1.0	0.2	0.10	5	0.6	<0.2
1221005	Soil	17	0.18	69	0.016	<1	0.91	0.005	0.04	0.1	0.07	1.0	0.1	0.06	5	0.7	<0.2
1221006	Soil	20	0.32	57	0.018	2	1.16	0.006	0.08	0.2	0.07	1.1	<0.1	<0.05	5	0.7	<0.2
1221007	Soil	25	0.45	124	0.035	2	1.57	0.007	0.06	0.3	0.05	2.4	0.1	<0.05	4	<0.5	<0.2
1221008	Soil	22	0.48	196	0.019	1	1.49	0.007	0.07	0.2	0.04	2.0	<0.1	<0.05	5	0.5	<0.2
1221009	Soil	26	0.47	133	0.013	<1	1.72	0.006	0.08	0.2	0.05	2.2	0.2	<0.05	6	<0.5	<0.2
1221010	Soil	23	0.40	85	0.012	<1	1.49	0.006	0.06	0.2	0.07	1.5	0.1	<0.05	5	1.0	<0.2
1221011	Soil	22	0.37	76	0.028	3	1.39	0.005	0.05	0.2	0.04	1.8	<0.1	<0.05	4	0.7	<0.2
1221012	Soil	23	0.39	76	0.031	1	1.36	0.005	0.05	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1221013	Soil	24	0.28	61	0.016	<1	1.19	0.008	0.05	0.1	0.05	0.8	<0.1	0.07	5	<0.5	<0.2
1221014	Soil	24	0.50	105	0.007	1	1.68	0.005	0.07	0.2	0.04	1.8	0.1	<0.05	5	0.7	<0.2
1221015	Soil	20	0.24	52	0.008	1	1.08	0.004	0.06	0.1	0.03	0.4	0.1	<0.05	5	<0.5	<0.2
1221016	Soil	23	0.36	124	0.021	2	1.35	0.005	0.06	0.2	0.03	1.4	0.1	<0.05	5	<0.5	<0.2
1221017	Soil	20	0.26	141	0.009	1	1.03	0.007	0.07	0.1	0.05	0.7	0.1	0.11	4	0.7	<0.2
1221018	Soil	22	0.38	167	0.006	<1	1.41	0.005	0.09	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1221019	Soil	20	0.37	129	0.016	1	1.02	0.005	0.06	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1221020	Soil	21	0.44	178	0.008	1	1.37	0.006	0.08	0.1	0.04	2.0	<0.1	<0.05	4	0.5	<0.2
1221021	Soil	21	0.42	119	0.014	2	1.30	0.005	0.06	0.1	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
1221022	Soil	13	0.14	115	0.010	2	0.65	0.008	0.05	0.2	0.08	0.5	<0.1	<0.05	4	<0.5	<0.2
1221023	Soil	23	0.53	140	0.016	2	1.49	0.006	0.05	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1221024	Soil	21	0.49	111	0.015	1	1.41	0.005	0.04	0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1221025	Soil	22	0.50	79	0.020	2	1.56	0.005	0.04	0.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1221026	Soil	16	0.19	57	0.038	<1	0.90	0.004	0.04	0.1	0.04	1.2	0.1	<0.05	6	<0.5	<0.2
1221027	Soil	21	0.25	60	0.032	<1	1.14	0.005	0.04	0.2	0.06	1.3	<0.1	<0.05	5	0.6	<0.2
1221028	Soil	23	0.51	75	0.024	1	1.48	0.006	0.04	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1221029	Soil	21	0.37	97	0.023	1	1.32	0.006	0.04	0.2	0.04	1.2	0.1	<0.05	5	<0.5	<0.2
1221030	Soil	25	0.47	118	0.020	1	1.36	0.007	0.05	0.2	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1221031	Soil	23	0.44	95	0.012	<1	1.46	0.006	0.05	0.1	0.05	1.2	<0.1	<0.05	4	<0.5	<0.2
1221032	Soil	19	0.44	72	0.031	1	1.09	0.006	0.04	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1221033	Soil	17	0.25	50	0.042	<1	0.93	0.004	0.04	0.1	0.05	1.2	<0.1	<0.05	5	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
1221034	Soil		1.2	12.5	17.0	46	<0.1	14.3	5.6	215	2.83	17.1	2.0	3.3	10	0.3	0.8	0.2	57	0.07	0.026	13
1221035	Soil		0.9	17.4	54.1	16	<0.1	5.1	1.9	63	1.61	9.6	3.0	0.4	8	<0.1	0.5	0.3	52	0.04	0.043	13
1221036	Soil		0.9	14.4	23.4	51	<0.1	16.8	5.4	199	2.11	15.9	2.9	1.2	11	0.2	0.7	0.2	41	0.09	0.040	13
1221037	Soil		1.0	14.5	17.8	44	<0.1	14.2	5.4	208	2.32	14.0	5.3	1.0	12	0.4	0.7	0.3	46	0.09	0.052	16
1221038	Soil		1.0	6.6	12.7	32	<0.1	8.4	3.7	154	2.12	9.6	1.9	2.3	11	0.1	0.5	0.3	57	0.08	0.026	12
1221039	Soil		1.0	7.7	14.1	25	0.1	8.4	2.9	163	2.15	19.9	1.7	1.1	12	0.2	0.7	0.3	55	0.09	0.035	12
1221040	Soil		0.6	10.2	11.5	20	0.2	9.0	2.8	79	1.23	14.4	1.1	0.2	10	0.2	0.3	0.2	21	0.06	0.049	12
1221041	Soil		0.7	19.0	13.2	56	<0.1	21.3	8.2	339	2.37	12.4	<0.5	2.6	11	<0.1	0.6	0.2	27	0.09	0.046	23
1221042	Soil		0.7	35.2	25.6	79	0.1	35.6	18.3	671	3.12	39.7	2.6	4.9	9	0.5	0.6	0.4	27	0.09	0.043	19
1221043	Soil		0.6	22.6	29.8	78	0.1	21.9	8.0	324	2.36	12.2	3.5	3.5	16	0.4	0.7	0.2	36	0.15	0.051	21
1221044	Soil		0.6	25.8	32.9	71	0.1	29.1	12.0	509	2.31	13.4	5.6	6.3	12	0.5	0.7	0.4	26	0.10	0.031	26
1221045	Soil		0.7	21.5	11.9	52	<0.1	16.4	6.1	291	2.56	14.1	3.9	3.7	14	0.2	0.6	0.5	29	0.09	0.045	22
1221046	Soil		0.7	22.5	11.9	53	0.1	17.2	7.0	317	2.26	26.3	10.6	2.6	11	0.2	0.7	0.7	29	0.09	0.042	15
1221047	Soil		1.4	15.4	17.2	46	0.2	16.7	7.0	229	2.04	194.6	9.5	2.4	14	0.3	0.9	0.2	37	0.11	0.042	13
1221048	Soil		1.0	27.3	17.0	68	0.4	23.6	9.4	311	2.48	263.3	32.6	3.2	24	0.2	1.2	0.3	39	0.20	0.067	17
1221049	Soil		0.7	17.7	33.4	61	0.3	13.0	6.4	286	2.22	144.2	22.2	5.1	17	0.4	0.8	0.2	34	0.17	0.050	20
1221050	Soil		0.8	20.2	34.1	73	0.2	15.0	6.8	282	2.22	46.7	36.0	5.4	20	0.3	0.7	0.2	38	0.21	0.061	22
1222069	Soil		1.2	26.1	25.0	84	0.2	21.6	9.6	352	3.24	14.9	3.3	5.6	17	0.3	1.0	0.4	33	0.12	0.063	20
1222070	Soil		1.3	19.7	24.4	31	0.5	8.8	2.5	95	1.74	30.5	3.9	1.0	14	0.1	0.8	0.4	36	0.06	0.039	19
1222071	Soil		1.1	27.0	34.3	64	0.2	18.3	7.7	289	3.17	50.2	10.1	6.4	15	0.2	1.0	0.4	31	0.09	0.052	22
1222072	Soil		1.1	29.2	131.4	71	0.7	17.3	5.9	227	2.99	53.5	9.3	3.8	16	0.5	1.2	0.5	31	0.09	0.064	23
1222073	Soil		1.1	33.3	47.1	68	0.4	18.7	7.5	233	2.98	65.0	7.1	3.9	13	0.5	0.9	0.4	30	0.08	0.054	22
1222074	Soil		1.0	24.3	20.4	53	0.1	14.7	5.1	174	2.75	68.8	4.9	5.0	9	0.2	0.6	0.4	30	0.06	0.039	21
1222075	Soil		1.1	22.5	13.1	47	<0.1	14.9	5.5	155	2.20	31.6	3.0	0.5	10	0.2	0.5	0.2	32	0.08	0.057	17
1222076	Soil		0.9	26.2	16.1	63	<0.1	22.5	9.3	276	2.87	94.2	3.0	4.2	9	0.2	0.6	0.2	34	0.08	0.046	24
1222077	Soil		1.0	16.7	16.9	45	<0.1	13.6	5.8	235	3.07	270.6	20.1	3.2	7	0.2	0.7	0.3	43	0.05	0.034	14
1222078	Soil		0.8	28.4	21.4	58	<0.1	19.0	7.3	242	2.65	260.9	16.1	6.2	10	0.2	0.8	0.3	27	0.08	0.042	23
1222079	Soil		0.8	16.7	11.5	47	<0.1	17.7	9.2	206	2.10	153.7	5.4	2.2	9	0.2	0.5	0.2	32	0.09	0.049	14
1222080	Soil		0.8	27.1	12.0	54	<0.1	18.6	6.9	201	2.46	54.6	4.0	2.3	9	0.1	0.5	0.3	29	0.08	0.048	22
1222081	Soil		0.6	29.1	17.6	50	0.1	15.7	5.0	179	2.22	153.6	7.8	5.5	10	0.2	0.5	0.4	27	0.09	0.040	19

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

Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1221034	Soil	22	0.32	93	0.047	1	1.29	0.008	0.05	0.2	0.04	1.8	0.1	<0.05	6	<0.5	<0.2
1221035	Soil	17	0.08	83	0.031	<1	1.05	0.005	0.03	<0.1	0.04	0.9	0.1	<0.05	8	<0.5	<0.2
1221036	Soil	22	0.36	98	0.028	3	1.16	0.006	0.04	0.2	0.04	1.5	0.1	<0.05	4	<0.5	<0.2
1221037	Soil	23	0.32	106	0.031	1	1.22	0.006	0.04	0.2	0.04	1.5	0.1	<0.05	5	0.6	<0.2
1221038	Soil	21	0.26	102	0.049	1	1.34	0.005	0.04	0.2	0.03	1.5	0.1	<0.05	6	<0.5	<0.2
1221039	Soil	17	0.20	69	0.045	1	0.90	0.005	0.04	1.5	0.04	1.2	0.1	<0.05	6	<0.5	<0.2
1221040	Soil	13	0.16	116	0.010	1	0.73	0.007	0.04	0.2	0.06	0.4	<0.1	<0.05	3	<0.5	<0.2
1221041	Soil	21	0.50	82	0.019	1	1.30	0.006	0.05	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1221042	Soil	25	0.57	107	0.018	2	1.69	0.007	0.06	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1221043	Soil	24	0.50	176	0.033	2	1.39	0.008	0.06	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1221044	Soil	20	0.49	129	0.020	1	1.29	0.007	0.06	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1221045	Soil	21	0.44	79	0.023	1	1.32	0.005	0.04	0.2	0.02	1.4	<0.1	<0.05	4	0.7	<0.2
1221046	Soil	20	0.39	77	0.018	<1	1.19	0.005	0.05	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1221047	Soil	19	0.30	99	0.032	2	1.10	0.007	0.05	0.4	0.08	1.7	<0.1	<0.05	4	<0.5	<0.2
1221048	Soil	23	0.49	154	0.036	1	1.47	0.008	0.06	0.6	0.04	2.5	0.1	<0.05	4	<0.5	<0.2
1221049	Soil	20	0.50	130	0.032	1	1.42	0.007	0.07	2.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1221050	Soil	22	0.52	215	0.068	1	1.59	0.010	0.10	1.1	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
1222069	Soil	23	0.49	96	0.030	2	1.41	0.008	0.06	0.1	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1222070	Soil	16	0.13	59	0.018	1	0.79	0.008	0.04	0.1	0.04	0.7	<0.1	<0.05	5	<0.5	<0.2
1222071	Soil	22	0.44	85	0.021	1	1.40	0.007	0.05	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222072	Soil	22	0.42	93	0.018	1	1.29	0.007	0.05	0.2	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222073	Soil	22	0.41	110	0.016	1	1.28	0.005	0.05	0.2	0.04	1.4	<0.1	0.06	4	<0.5	<0.2
1222074	Soil	21	0.37	63	0.018	1	1.12	0.004	0.04	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1222075	Soil	22	0.34	93	0.012	<1	1.29	0.004	0.04	0.2	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
1222076	Soil	26	0.50	83	0.016	<1	1.56	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	5	<0.5	<0.2
1222077	Soil	22	0.34	57	0.022	<1	1.24	0.003	0.04	0.2	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1222078	Soil	22	0.48	87	0.013	<1	1.48	0.004	0.05	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222079	Soil	19	0.33	93	0.018	<1	1.39	0.004	0.04	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1222080	Soil	22	0.44	112	0.014	<1	1.41	0.004	0.06	0.1	0.04	1.7	0.1	<0.05	4	<0.5	<0.2
1222081	Soil	20	0.44	92	0.024	<1	1.29	0.004	0.08	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

	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
1222082	Soil	0.6	19.0	81.8	51	<0.1	17.4	5.4	190	2.36	82.0	0.9	2.2	8	0.1	0.4	0.2	29	0.08	0.044	23
1222083	Soil	0.7	23.6	77.4	66	<0.1	21.6	7.3	214	2.49	100.4	1.5	4.7	12	0.2	0.6	0.2	32	0.13	0.059	23
1222084	Soil	0.7	22.9	58.0	59	<0.1	20.3	8.2	232	2.46	57.5	3.3	2.0	13	0.2	0.5	0.2	34	0.13	0.067	22
1222085	Soil	0.7	24.8	43.1	60	0.1	17.7	6.2	163	2.06	41.0	1.9	2.6	11	0.2	0.7	0.2	34	0.13	0.053	17
1222086	Soil	0.6	23.6	39.1	66	<0.1	20.9	8.1	201	2.03	100.7	5.6	3.6	13	0.3	0.5	0.1	32	0.15	0.057	19
1222087	Soil	0.7	17.8	23.6	59	<0.1	18.5	6.4	215	2.14	60.9	2.7	1.4	9	0.2	0.5	0.2	36	0.11	0.043	14
1222088	Soil	0.6	18.2	34.7	57	<0.1	17.3	6.6	193	1.91	43.3	2.1	2.1	10	0.2	0.5	0.2	30	0.10	0.042	22
1222089	Soil	0.7	20.7	15.2	49	<0.1	14.9	5.2	147	2.08	17.9	3.0	1.1	10	0.2	0.4	0.2	31	0.10	0.053	22
1222090	Soil	0.7	18.1	48.9	54	0.2	14.6	5.2	155	2.14	17.0	1.9	2.1	11	0.3	0.6	0.2	38	0.12	0.045	17
1222091	Soil	0.8	18.3	24.1	66	0.2	15.9	5.3	185	2.20	22.4	3.9	3.2	11	0.3	0.6	0.2	34	0.13	0.048	19
1222092	Soil	0.9	24.1	51.4	129	0.4	18.2	6.7	269	2.44	15.9	3.2	6.7	12	1.0	0.7	0.2	36	0.11	0.044	24
1222093	Soil	1.0	25.8	109.5	558	1.1	23.5	10.2	500	2.64	88.7	15.0	4.5	11	3.7	1.2	0.3	43	0.11	0.049	20
1222094	Soil	1.0	19.5	43.0	159	0.3	19.3	6.2	220	2.51	93.1	25.3	4.0	10	1.6	1.2	0.2	45	0.09	0.045	17
1222095	Soil	1.0	10.4	17.3	47	<0.1	12.8	5.6	138	2.34	12.2	1.7	4.5	10	0.5	0.5	0.2	55	0.09	0.023	16
1222096	Soil	1.2	8.7	13.0	42	0.1	11.6	5.7	172	2.30	10.3	2.0	3.8	9	0.5	0.5	0.2	56	0.08	0.023	13
1222097	Soil	0.8	17.4	13.9	26	0.1	11.0	3.2	80	1.36	17.5	3.9	0.4	11	0.2	0.7	0.2	26	0.08	0.063	14
1222098	Soil	0.9	24.6	13.8	60	<0.1	25.3	10.3	330	2.26	20.7	6.0	5.9	12	0.1	0.8	0.5	37	0.12	0.035	24
1222099	Soil	1.2	16.4	15.5	56	<0.1	18.3	9.8	381	3.35	43.7	6.2	3.4	9	0.3	1.0	0.2	48	0.07	0.039	16

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Project: LUG
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001044.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222082	Soil	22	0.44	83	0.013	<1	1.49	0.004	0.08	0.1	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
1222083	Soil	24	0.46	104	0.020	<1	1.44	0.004	0.07	0.2	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
1222084	Soil	25	0.43	105	0.017	<1	1.50	0.005	0.07	0.1	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1222085	Soil	21	0.37	93	0.028	2	1.16	0.005	0.05	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1222086	Soil	22	0.39	93	0.029	<1	1.29	0.005	0.06	0.2	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
1222087	Soil	22	0.38	82	0.024	1	1.15	0.004	0.07	0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
1222088	Soil	21	0.38	93	0.021	<1	1.23	0.005	0.05	0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222089	Soil	21	0.36	96	0.013	<1	1.24	0.004	0.04	0.1	0.03	1.0	<0.1	<0.05	4	0.6	<0.2
1222090	Soil	23	0.40	91	0.028	<1	1.29	0.005	0.04	0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222091	Soil	25	0.44	80	0.029	<1	1.23	0.006	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222092	Soil	22	0.44	113	0.032	<1	1.23	0.004	0.04	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222093	Soil	38	0.53	119	0.031	<1	1.52	0.006	0.05	0.6	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1222094	Soil	26	0.40	102	0.030	1	1.46	0.004	0.05	0.2	0.04	2.4	0.1	<0.05	5	<0.5	<0.2
1222095	Soil	27	0.35	143	0.039	<1	1.69	0.005	0.04	0.2	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1222096	Soil	24	0.27	133	0.035	<1	1.52	0.004	0.03	0.2	0.03	2.0	0.1	<0.05	6	<0.5	<0.2
1222097	Soil	15	0.15	131	0.006	2	0.85	0.007	0.04	<0.1	0.04	0.2	<0.1	<0.05	3	<0.5	<0.2
1222098	Soil	23	0.41	173	0.034	<1	1.27	0.006	0.05	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1222099	Soil	26	0.36	107	0.029	1	1.46	0.005	0.04	0.3	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2

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Project: LUG
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001044.1

	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																					
1222544	Soil	0.8	18.2	15.5	48	<0.1	21.6	14.0	473	2.11	11.5	2.9	4.1	9	0.1	0.6	0.2	28	0.08	0.042	18
REP 1222544	QC	0.7	18.2	15.2	50	<0.1	21.9	14.2	496	2.24	12.3	3.4	4.0	10	0.1	0.5	0.2	29	0.09	0.041	20
1222914	Soil	0.7	17.5	8.3	48	<0.1	14.1	5.3	182	1.94	7.6	2.1	5.5	12	0.1	0.5	0.2	28	0.10	0.038	18
REP 1222914	QC	0.5	17.4	8.1	47	<0.1	14.2	5.3	181	1.93	7.8	1.8	5.4	12	0.1	0.5	0.2	29	0.10	0.038	18
1222938	Soil	1.1	32.4	10.5	74	0.1	27.7	11.6	267	3.03	23.2	4.1	9.5	21	<0.1	0.6	0.8	41	0.12	0.045	26
REP 1222938	QC	0.9	32.9	10.5	74	0.1	27.4	11.6	275	3.09	23.1	14.9	9.6	21	0.2	0.6	0.8	41	0.12	0.044	25
1223052	Soil	0.6	10.8	8.7	41	<0.1	12.5	4.3	166	1.60	54.0	11.5	1.4	15	<0.1	1.3	0.2	30	0.10	0.039	15
REP 1223052	QC	0.6	11.4	8.7	41	<0.1	12.8	4.0	168	1.63	54.1	11.4	1.2	15	<0.1	1.3	0.2	31	0.10	0.038	15
1223078	Soil	0.5	14.1	12.2	51	0.2	12.5	4.0	144	1.48	15.4	5.6	2.7	33	0.1	1.0	0.4	22	0.28	0.050	17
REP 1223078	QC	0.5	13.7	12.0	49	0.2	12.1	4.1	142	1.45	15.1	5.1	2.7	32	0.2	0.9	0.3	21	0.26	0.049	17
1223154	Soil	1.0	25.9	11.3	70	<0.1	24.3	11.5	380	3.40	30.1	2.8	8.6	8	0.2	0.6	0.3	35	0.05	0.034	25
REP 1223154	QC	0.9	25.9	11.1	67	<0.1	25.1	11.4	382	3.27	29.4	1.3	8.1	9	0.1	0.7	0.4	34	0.05	0.036	27
1223173	Soil	0.7	25.3	63.0	68	<0.1	17.5	6.7	216	2.28	19.7	1.6	10.0	9	0.4	0.7	0.2	30	0.05	0.016	25
REP 1223173	QC	0.8	26.9	61.9	70	<0.1	18.0	6.7	221	2.33	20.3	6.6	9.7	8	0.4	0.7	0.2	30	0.05	0.015	24
1223192	Soil	1.1	26.7	14.1	55	0.4	13.7	5.5	186	2.80	15.0	0.8	8.4	9	0.1	0.5	0.2	30	0.04	0.025	25
REP 1223192	QC	1.0	26.9	14.1	55	0.4	14.2	5.4	189	2.80	14.1	1.0	8.3	9	0.2	0.5	0.3	31	0.05	0.025	27
1223408	Soil	1.4	12.7	14.3	372	0.3	17.7	6.2	179	2.31	11.0	1.5	4.5	8	1.5	0.7	0.2	44	0.07	0.035	10
REP 1223408	QC	1.3	11.8	14.8	380	0.3	17.2	6.0	175	2.27	11.1	0.9	4.4	8	1.6	0.6	0.2	45	0.07	0.036	11
1223431	Soil	1.1	9.5	12.2	42	<0.1	11.6	6.1	261	2.98	10.6	3.2	5.7	9	0.2	0.6	0.2	52	0.08	0.033	13
REP 1223431	QC	1.2	9.7	12.2	43	<0.1	11.8	6.1	265	3.02	10.8	1.0	5.7	9	0.2	0.5	0.2	53	0.10	0.034	14
1221002	Soil	0.9	6.6	12.3	29	<0.1	7.3	3.1	107	2.02	10.1	2.0	3.3	9	0.2	0.4	0.2	53	0.08	0.033	14
REP 1221002	QC	0.9	6.7	12.2	30	<0.1	7.7	3.2	108	2.04	10.2	0.9	3.4	9	0.2	0.4	0.3	54	0.07	0.033	14
1221028	Soil	1.1	50.5	36.2	106	0.1	67.2	36.8	1230	3.36	20.8	11.9	6.8	13	0.4	1.2	0.4	27	0.13	0.070	27
REP 1221028	QC	1.1	50.5	35.9	107	0.1	66.0	36.7	1223	3.35	20.7	0.8	6.6	13	0.3	1.1	0.4	28	0.13	0.073	26
1221044	Soil	0.6	25.8	32.9	71	0.1	29.1	12.0	509	2.31	13.4	5.6	6.3	12	0.5	0.7	0.4	26	0.10	0.031	26
REP 1221044	QC	0.7	26.3	31.4	71	0.1	29.7	11.7	515	2.37	14.0	11.5	6.6	11	0.4	0.7	0.4	26	0.08	0.031	26
1222077	Soil	1.0	16.7	16.9	45	<0.1	13.6	5.8	235	3.07	270.6	20.1	3.2	7	0.2	0.7	0.3	43	0.05	0.034	14
REP 1222077	QC	1.1	17.4	16.7	48	<0.1	14.3	5.8	238	3.16	276.8	5.6	3.3	7	0.2	0.7	0.3	46	0.06	0.034	15

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

Project: LUG
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001044.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1222544	Soil	19	0.33	82	0.016	<1	1.20	0.004	0.03	0.2	0.02	1.2	<0.1	<0.05	3	0.6	<0.2
REP 1222544	QC	20	0.34	85	0.020	<1	1.24	0.004	0.04	0.2	0.02	1.2	<0.1	<0.05	4	0.6	<0.2
1222914	Soil	19	0.40	96	0.031	<1	1.24	0.006	0.05	0.2	0.02	1.9	<0.1	<0.05	4	0.6	<0.2
REP 1222914	QC	19	0.39	94	0.031	1	1.20	0.006	0.05	0.1	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1222938	Soil	38	0.57	222	0.068	<1	1.86	0.009	0.16	0.3	0.03	3.4	0.3	<0.05	6	<0.5	<0.2
REP 1222938	QC	38	0.59	226	0.070	<1	1.89	0.010	0.16	0.3	0.03	3.5	0.3	<0.05	6	<0.5	<0.2
1223052	Soil	16	0.29	77	0.028	1	0.85	0.005	0.03	0.2	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
REP 1223052	QC	16	0.28	76	0.028	<1	0.79	0.005	0.03	0.3	0.05	1.2	<0.1	<0.05	3	<0.5	<0.2
1223078	Soil	15	0.25	229	0.010	<1	0.93	0.005	0.03	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1223078	QC	14	0.25	223	0.009	<1	0.90	0.005	0.04	0.2	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1223154	Soil	27	0.47	71	0.011	<1	1.86	0.005	0.05	0.1	0.02	1.9	<0.1	0.05	5	<0.5	<0.2
REP 1223154	QC	27	0.45	76	0.017	<1	1.81	0.006	0.05	0.1	0.02	2.0	<0.1	<0.05	5	0.6	<0.2
1223173	Soil	22	0.41	135	0.020	<1	1.41	0.005	0.05	<0.1	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1223173	QC	22	0.40	129	0.020	<1	1.33	0.005	0.05	0.1	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
1223192	Soil	20	0.44	111	0.008	<1	1.46	0.005	0.04	<0.1	<0.01	1.7	<0.1	<0.05	4	0.6	<0.2
REP 1223192	QC	20	0.45	118	0.009	1	1.48	0.005	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1223408	Soil	23	0.37	121	0.021	<1	1.53	0.005	0.05	0.2	0.02	2.1	0.1	<0.05	4	0.8	<0.2
REP 1223408	QC	23	0.36	123	0.023	<1	1.54	0.006	0.04	0.2	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1223431	Soil	30	0.36	79	0.044	2	2.18	0.006	0.04	0.2	0.05	2.9	0.2	<0.05	6	1.2	<0.2
REP 1223431	QC	30	0.37	82	0.048	1	2.23	0.006	0.05	0.3	0.06	2.9	0.2	<0.05	6	0.7	<0.2
1221002	Soil	21	0.25	97	0.041	1	1.29	0.004	0.04	0.2	0.01	2.0	0.1	<0.05	6	<0.5	<0.2
REP 1221002	QC	21	0.25	95	0.043	<1	1.31	0.005	0.04	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
1221028	Soil	23	0.51	75	0.024	1	1.48	0.006	0.04	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
REP 1221028	QC	22	0.50	73	0.023	1	1.49	0.006	0.04	0.2	0.05	1.7	<0.1	<0.05	4	<0.5	<0.2
1221044	Soil	20	0.49	129	0.020	1	1.29	0.007	0.06	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
REP 1221044	QC	20	0.49	131	0.018	<1	1.32	0.006	0.05	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222077	Soil	22	0.34	57	0.022	<1	1.24	0.003	0.04	0.2	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
REP 1222077	QC	22	0.38	61	0.022	<1	1.31	0.004	0.05	0.2	0.02	1.5	<0.1	<0.05	5	0.5	<0.2

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

Project: LUG
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001044.1

		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
1222082	Soil	0.6	19.0	81.8	51	<0.1	17.4	5.4	190	2.36	82.0	0.9	2.2	8	0.1	0.4	0.2	29	0.08	0.044	23
REP 1222082	QC	0.6	19.3	78.9	52	<0.1	17.4	5.6	192	2.38	82.7	<0.5	2.1	8	0.1	0.4	0.2	30	0.08	0.040	23
1222097	Soil	0.8	17.4	13.9	26	0.1	11.0	3.2	80	1.36	17.5	3.9	0.4	11	0.2	0.7	0.2	26	0.08	0.063	14
REP 1222097	QC	0.8	18.0	13.8	28	0.1	11.1	3.2	84	1.40	18.6	3.8	0.4	11	0.2	0.6	0.2	27	0.08	0.074	16
Reference Materials																					
STD DS8	Standard	12.3	105.6	118.9	287	1.5	34.4	7.1	556	2.21	21.7	91.8	6.8	59	2.0	4.6	6.0	38	0.61	0.068	14
STD DS8	Standard	11.9	91.0	107.7	289	1.6	37.2	6.4	582	2.32	20.4	102.1	5.2	59	1.9	4.3	5.2	36	0.64	0.065	12
STD DS8	Standard	12.4	108.5	118.9	304	1.8	36.8	7.6	582	2.38	24.3	102.3	6.2	63	2.4	5.5	6.3	41	0.66	0.077	14
STD DS8	Standard	14.1	112.1	118.7	305	1.7	38.9	7.8	614	2.46	25.7	109.9	6.8	68	2.6	5.6	6.8	44	0.70	0.081	16
STD DS8	Standard	11.8	96.6	112.0	269	1.6	32.7	6.2	530	2.12	22.4	104.4	6.3	64	2.1	5.2	6.2	36	0.58	0.075	14
STD DS8	Standard	12.4	103.7	127.6	296	1.8	36.4	6.8	591	2.36	24.3	114.0	7.5	78	2.2	6.2	7.1	40	0.67	0.074	16
STD DS8	Standard	12.7	106.1	120.7	297	1.7	36.1	7.0	586	2.36	24.1	111.0	6.5	66	2.2	5.4	6.4	40	0.65	0.077	15
STD DS8	Standard	11.5	98.9	126.2	293	1.7	34.6	6.7	588	2.36	23.7	128.3	7.2	73	2.2	5.6	6.9	39	0.65	0.073	16
STD DS8	Standard	13.6	110.0	124.4	314	1.9	39.2	7.5	617	2.49	25.0	118.0	6.9	73	2.2	6.0	6.9	43	0.72	0.075	17
STD DS8	Standard	11.8	112.7	116.3	324	1.7	34.5	7.1	555	2.22	22.3	100.7	6.4	85	2.1	7.9	8.1	39	0.63	0.091	17
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: LUG
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001044.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1222082	Soil	22	0.44	83	0.013	<1	1.49	0.004	0.08	0.1	0.02	1.2	0.1	<0.05	5	<0.5	<0.2
REP 1222082	QC	22	0.42	80	0.012	1	1.46	0.004	0.08	0.2	0.02	1.1	0.1	<0.05	5	<0.5	<0.2
1222097	Soil	15	0.15	131	0.006	2	0.85	0.007	0.04	<0.1	0.04	0.2	<0.1	<0.05	3	<0.5	<0.2
REP 1222097	QC	16	0.16	129	0.007	1	0.86	0.008	0.05	0.1	0.05	0.2	<0.1	0.06	4	0.5	<0.2
Reference Materials																	
STD DS8	Standard	112	0.59	240	0.116	2	0.83	0.068	0.35	2.7	0.16	1.8	4.8	0.14	4	4.9	4.5
STD DS8	Standard	118	0.59	227	0.091	2	0.83	0.083	0.38	2.7	0.20	1.4	5.3	0.14	4	5.0	4.8
STD DS8	Standard	112	0.59	264	0.114	2	0.87	0.090	0.41	2.9	0.19	2.5	5.3	0.16	5	5.2	4.8
STD DS8	Standard	119	0.62	282	0.123	2	0.93	0.093	0.41	2.8	0.18	2.2	5.4	0.18	5	5.6	4.7
STD DS8	Standard	98	0.57	254	0.096	2	0.83	0.089	0.39	2.5	0.17	2.0	4.8	0.13	4	4.3	4.3
STD DS8	Standard	112	0.58	267	0.121	2	0.89	0.104	0.41	2.9	0.19	2.8	5.3	0.12	5	5.1	4.6
STD DS8	Standard	112	0.60	272	0.114	<1	0.89	0.091	0.41	2.8	0.21	2.5	5.1	0.15	5	4.7	4.5
STD DS8	Standard	108	0.57	267	0.118	2	0.85	0.090	0.40	3.0	0.19	2.6	5.2	0.13	5	4.8	5.0
STD DS8	Standard	121	0.63	293	0.128	4	0.99	0.114	0.43	3.0	0.20	3.2	5.3	0.15	5	5.8	5.1
STD DS8	Standard	107	0.56	244	0.135	2	0.84	0.080	0.41	2.7	0.18	2.7	5.2	0.14	4	4.8	4.5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: November 12, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001045.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUGTS(43-61)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

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
1205451	Soil	0.6	19.8	24.1	60	0.3	14.0	5.7	189	2.11	18.5	2.8	4.6	18	0.3	0.3	0.4	22	0.09	0.044	16
1205452	Soil	0.8	16.3	19.1	51	0.2	13.2	5.0	163	2.03	36.4	3.0	5.0	16	0.2	0.4	0.3	23	0.07	0.030	18
1205453	Soil	0.8	14.7	18.4	56	0.2	14.3	5.7	192	2.08	25.4	2.5	5.0	16	0.2	0.4	0.3	25	0.08	0.032	20
1205454	Soil	0.8	13.4	11.9	45	<0.1	12.5	4.7	168	1.89	19.4	23.6	0.8	10	0.1	0.5	0.2	31	0.10	0.042	14
1205455	Soil	0.8	13.0	10.1	42	<0.1	12.7	4.4	146	1.74	15.1	14.3	0.8	10	<0.1	0.6	0.2	29	0.10	0.044	12
1205456	Soil	0.7	14.0	10.5	44	<0.1	13.7	4.9	164	1.88	18.2	10.6	0.9	11	0.1	0.5	0.2	31	0.11	0.044	14
1205457	Soil	0.8	12.2	10.4	45	<0.1	13.3	5.0	174	1.89	17.5	12.1	2.8	10	0.1	0.6	0.2	31	0.10	0.042	14
1205458	Soil	0.7	11.1	10.1	38	<0.1	11.2	3.9	115	1.71	15.1	4.2	0.5	9	0.1	0.5	0.2	30	0.08	0.039	12
1205459	Soil	0.6	18.0	10.2	54	<0.1	16.4	6.6	215	1.95	15.8	3.7	3.0	13	0.2	0.6	0.2	28	0.13	0.050	16
1205460	Soil	0.9	12.8	11.5	47	<0.1	13.8	5.4	171	2.05	21.5	6.4	0.8	9	0.1	0.4	0.2	30	0.08	0.041	15
1205461	Soil	0.8	13.3	10.5	45	0.1	13.2	4.5	134	1.90	22.1	3.8	0.9	9	0.2	0.5	0.2	28	0.07	0.039	15
1205462	Soil	0.7	9.7	9.4	38	<0.1	10.9	3.6	123	1.76	20.1	4.2	3.0	8	0.1	0.5	0.2	28	0.07	0.027	15
1205463	Soil	0.8	14.8	11.9	47	<0.1	14.2	5.1	190	1.99	30.1	15.1	3.3	10	0.2	0.5	0.2	34	0.08	0.032	16
1205464	Soil	0.6	15.8	11.8	46	<0.1	13.8	4.8	167	1.92	28.6	5.7	3.0	9	0.1	0.6	0.2	29	0.10	0.041	15
1205465	Soil	0.8	14.6	11.8	43	<0.1	13.7	4.6	168	1.98	22.9	2.9	0.9	8	0.1	0.5	0.2	35	0.07	0.038	14
1205466	Soil	1.1	14.4	12.2	48	<0.1	14.8	6.2	182	2.40	16.2	4.5	5.2	11	<0.1	0.7	0.2	44	0.08	0.023	14
1205467	Soil	0.8	13.9	9.5	40	<0.1	16.2	6.5	153	2.15	14.9	5.2	4.2	8	0.1	0.9	0.2	36	0.06	0.025	11
1205468	Soil	0.7	13.2	9.2	42	0.3	16.6	5.2	169	2.15	17.9	18.0	4.5	9	<0.1	0.6	0.2	36	0.06	0.019	14
1205469	Soil	1.3	13.8	21.2	66	0.3	21.8	6.7	431	2.31	10.0	3.1	5.6	28	0.2	0.5	0.2	37	0.18	0.034	16
1222250	Soil	0.8	14.5	13.9	55	0.2	16.4	7.5	267	2.38	10.3	2.0	4.6	10	0.2	0.7	0.2	46	0.08	0.017	12
1222251	Soil	0.9	15.0	18.2	49	0.1	15.6	7.0	259	2.31	11.4	1.9	4.7	9	<0.1	0.8	0.2	42	0.06	0.017	14
1222252	Soil	1.0	25.6	14.6	58	<0.1	22.5	8.3	268	2.66	13.8	2.0	6.2	11	<0.1	1.3	0.2	46	0.07	0.015	16
1222253	Soil	0.8	19.5	10.6	48	<0.1	18.1	6.5	188	2.11	10.6	7.2	5.3	9	<0.1	1.5	0.2	33	0.06	0.011	15
1222254	Soil	1.0	8.2	12.9	44	<0.1	11.1	5.5	273	2.42	11.5	1.8	3.2	8	0.1	0.6	0.2	49	0.07	0.060	12
1222255	Soil	1.2	19.7	16.5	51	<0.1	20.6	7.8	234	2.74	20.5	7.2	4.4	7	<0.1	1.5	0.2	40	0.05	0.032	20
1222256	Soil	0.8	12.0	11.2	42	<0.1	14.5	5.6	184	2.08	13.7	1.9	4.4	8	<0.1	0.7	0.2	41	0.06	0.017	14
1222257	Soil	0.9	14.5	11.0	47	<0.1	17.7	7.0	219	2.27	10.5	3.3	4.9	11	<0.1	0.8	0.2	44	0.07	0.015	14
1222258	Soil	0.8	21.5	11.7	53	<0.1	20.2	6.9	254	2.50	10.9	3.3	7.3	10	<0.1	0.9	0.2	32	0.07	0.015	23
1222259	Soil	0.8	24.0	13.5	52	<0.1	20.8	7.4	262	2.44	10.5	14.2	7.0	11	<0.1	1.1	0.2	34	0.08	0.017	22
1222260	Soil	0.9	24.5	13.4	53	<0.1	18.8	8.3	272	2.50	11.8	2.2	6.0	13	<0.1	1.0	0.2	38	0.11	0.025	20

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1205451	Soil	18	0.42	121	0.012	1	1.07	0.006	0.03	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1205452	Soil	16	0.33	80	0.019	1	0.85	0.007	0.03	0.2	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1205453	Soil	20	0.44	99	0.014	1	1.12	0.008	0.04	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1205454	Soil	20	0.34	98	0.022	1	1.11	0.006	0.04	0.2	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1205455	Soil	18	0.32	100	0.020	1	1.03	0.005	0.03	0.2	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1205456	Soil	18	0.35	146	0.019	<1	1.06	0.005	0.04	0.2	0.04	1.1	<0.1	<0.05	3	0.5	<0.2
1205457	Soil	20	0.35	107	0.028	<1	1.14	0.006	0.04	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1205458	Soil	18	0.31	99	0.018	<1	1.03	0.005	0.03	0.2	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1205459	Soil	19	0.40	161	0.028	<1	1.08	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1205460	Soil	20	0.34	113	0.016	<1	1.13	0.005	0.03	0.3	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1205461	Soil	18	0.34	99	0.014	<1	1.13	0.005	0.04	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1205462	Soil	16	0.29	83	0.024	<1	1.00	0.004	0.03	0.3	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1205463	Soil	20	0.34	135	0.027	1	1.20	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1205464	Soil	19	0.33	114	0.024	<1	1.15	0.004	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1205465	Soil	20	0.33	114	0.021	<1	1.15	0.005	0.04	0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1205466	Soil	27	0.39	134	0.038	<1	1.61	0.006	0.04	0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1205467	Soil	21	0.32	99	0.033	<1	1.26	0.005	0.04	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1205468	Soil	21	0.36	92	0.025	1	1.19	0.009	0.04	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1205469	Soil	29	0.34	170	0.017	<1	1.15	0.007	0.04	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1222250	Soil	26	0.38	215	0.037	<1	1.61	0.009	0.03	0.2	0.02	2.6	0.1	<0.05	4	0.6	<0.2
1222251	Soil	24	0.38	168	0.033	<1	1.39	0.006	0.03	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222252	Soil	30	0.44	249	0.041	<1	1.70	0.006	0.04	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
1222253	Soil	22	0.36	173	0.023	<1	1.19	0.005	0.03	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1222254	Soil	22	0.31	186	0.032	<1	1.36	0.006	0.04	0.2	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1222255	Soil	24	0.33	140	0.023	<1	1.37	0.005	0.04	0.2	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1222256	Soil	21	0.33	135	0.030	<1	1.20	0.005	0.03	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222257	Soil	26	0.39	199	0.041	<1	1.43	0.007	0.04	0.2	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1222258	Soil	23	0.43	167	0.027	<1	1.41	0.007	0.04	0.2	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
1222259	Soil	24	0.42	172	0.038	<1	1.40	0.007	0.04	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1222260	Soil	24	0.42	252	0.038	<1	1.44	0.006	0.04	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2

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Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222261	Soil		0.6	23.9	11.5	53	<0.1	17.3	7.2	275	2.20	11.0	3.8	4.2	18	<0.1	0.8	0.2	40	0.19	0.047	16
1222262	Soil		0.9	20.9	11.5	50	<0.1	17.5	6.7	213	2.24	10.7	4.5	5.6	12	<0.1	0.9	0.2	37	0.10	0.028	18
1222263	Soil		0.9	17.5	9.1	46	<0.1	15.5	5.1	172	2.03	9.9	5.0	4.3	10	0.1	1.0	0.2	34	0.08	0.031	19
1222264	Soil		0.9	13.6	10.5	43	<0.1	14.1	4.7	139	1.93	8.7	5.3	3.6	12	<0.1	0.9	0.2	34	0.10	0.026	17
1222265	Soil		0.9	22.3	11.7	47	<0.1	17.4	6.7	210	2.12	9.3	3.1	5.8	12	<0.1	1.0	0.2	35	0.09	0.019	18
1222266	Soil		0.8	20.4	9.9	45	<0.1	15.8	5.5	189	1.98	9.1	2.4	4.8	18	<0.1	0.8	0.2	33	0.19	0.044	17
1222267	Soil		0.7	23.9	10.1	49	<0.1	18.2	6.0	213	2.11	10.5	3.7	4.0	22	<0.1	0.9	0.3	36	0.24	0.049	18
1222268	Soil		0.7	22.6	10.8	49	0.1	19.2	7.3	257	2.10	10.2	2.6	3.6	29	<0.1	0.8	0.2	36	0.35	0.069	15
1222269	Soil		0.6	16.2	8.4	46	<0.1	12.9	4.6	136	1.68	6.6	2.6	2.1	19	0.1	0.5	0.2	35	0.21	0.061	13
1222270	Soil		0.5	17.5	7.8	47	<0.1	14.4	5.3	153	1.78	8.3	0.8	3.5	21	<0.1	0.6	0.2	30	0.26	0.073	14
1222271	Soil		0.7	17.4	9.5	47	<0.1	14.7	5.2	131	1.97	9.1	3.3	2.9	19	<0.1	0.6	0.2	34	0.22	0.062	14
1222272	Soil		0.6	14.0	9.6	41	<0.1	13.7	5.1	159	1.73	7.8	1.1	4.3	14	<0.1	0.6	0.2	33	0.15	0.036	15
1222273	Soil		0.6	19.6	8.4	41	<0.1	16.1	5.9	189	1.75	7.4	1.3	4.6	12	<0.1	0.9	0.1	26	0.12	0.032	17
1222274	Soil		0.6	15.9	9.5	40	<0.1	12.8	5.6	187	1.70	6.6	10.6	5.3	10	<0.1	1.3	0.2	26	0.10	0.021	20
1222275	Soil		0.6	13.9	9.9	40	<0.1	14.6	4.7	129	1.73	7.9	<0.5	4.1	13	<0.1	0.6	0.2	32	0.14	0.035	14
1222276	Soil		0.6	14.8	10.7	41	<0.1	13.6	4.9	138	1.82	8.1	1.9	4.4	12	<0.1	0.6	0.2	33	0.12	0.031	14
1222277	Soil		0.7	11.1	10.9	44	<0.1	12.7	4.5	127	1.77	8.1	2.0	3.1	15	<0.1	0.5	0.2	37	0.16	0.040	14
1222278	Soil		0.6	9.8	9.5	38	<0.1	11.5	3.9	125	1.67	8.0	1.7	3.6	12	<0.1	0.5	0.2	32	0.13	0.030	15
1222279	Soil		0.8	12.3	8.9	44	<0.1	13.7	5.2	194	1.93	7.7	145.5	5.0	12	<0.1	1.5	0.2	28	0.10	0.034	19
1222280	Soil		0.8	27.9	13.4	65	<0.1	21.6	8.4	312	2.66	8.7	1.6	9.7	15	<0.1	2.1	0.3	25	0.14	0.040	28
1222281	Soil		0.6	19.8	11.0	46	<0.1	15.7	6.5	200	1.94	5.7	12.3	8.1	11	<0.1	1.3	0.2	23	0.09	0.023	27
1222282	Soil		0.7	13.0	9.2	46	<0.1	13.9	4.8	163	1.77	5.8	11.8	6.2	11	<0.1	1.0	0.2	24	0.11	0.025	21
1222283	Soil		0.7	12.7	11.8	49	<0.1	15.3	6.1	259	1.91	5.3	1.4	7.1	14	<0.1	0.7	0.2	25	0.14	0.032	26
1222284	Soil		0.8	11.8	9.6	44	<0.1	13.9	5.7	266	1.85	6.4	<0.5	6.3	11	<0.1	0.9	0.2	21	0.12	0.039	24
1222285	Soil		0.7	17.3	12.5	47	<0.1	15.7	7.0	246	2.16	6.0	3.1	8.4	12	<0.1	1.1	0.2	24	0.14	0.024	27
1222286	Soil		0.8	17.6	16.7	54	0.1	20.9	8.5	388	2.52	7.2	2.6	8.7	12	<0.1	0.5	0.3	25	0.16	0.027	33
1222287	Soil		1.0	18.5	16.4	58	<0.1	23.6	9.3	409	2.43	8.5	0.6	8.1	16	<0.1	4.7	0.2	23	0.23	0.038	28
1222288	Soil		1.1	24.1	14.6	58	<0.1	19.9	6.2	278	2.88	5.5	5.4	11.0	16	<0.1	0.8	0.3	20	0.10	0.038	38
1222289	Soil		1.5	48.9	28.7	83	<0.1	26.8	7.9	344	4.06	3.4	1.2	16.6	37	<0.1	1.1	0.7	18	0.13	0.055	34
1222290	Soil		0.8	18.6	13.8	52	<0.1	24.0	7.8	315	2.26	8.6	2.3	7.3	16	<0.1	0.8	0.2	24	0.21	0.028	18

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222261	Soil	24	0.40	341	0.034	<1	1.26	0.008	0.04	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
1222262	Soil	22	0.37	212	0.033	<1	1.35	0.006	0.03	0.2	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1222263	Soil	19	0.32	199	0.030	<1	1.24	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222264	Soil	20	0.34	190	0.026	<1	1.24	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222265	Soil	23	0.37	216	0.032	<1	1.30	0.007	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1222266	Soil	21	0.37	261	0.037	<1	1.14	0.006	0.04	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1222267	Soil	22	0.39	382	0.035	1	1.22	0.008	0.04	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1222268	Soil	22	0.40	433	0.030	1	1.20	0.009	0.04	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1222269	Soil	20	0.35	301	0.027	1	1.26	0.008	0.03	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1222270	Soil	17	0.36	255	0.027	1	0.99	0.007	0.03	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1222271	Soil	21	0.40	204	0.029	<1	1.24	0.007	0.04	0.2	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
1222272	Soil	18	0.35	192	0.036	<1	1.09	0.006	0.04	0.2	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1222273	Soil	18	0.36	132	0.030	7	1.05	0.007	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222274	Soil	16	0.30	151	0.028	<1	1.02	0.006	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1222275	Soil	18	0.36	159	0.031	<1	1.15	0.008	0.03	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1222276	Soil	19	0.36	171	0.031	<1	1.15	0.005	0.05	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1222277	Soil	19	0.37	195	0.035	<1	1.22	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222278	Soil	17	0.32	154	0.035	<1	1.08	0.010	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222279	Soil	16	0.29	192	0.019	<1	0.93	0.005	0.04	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1222280	Soil	19	0.41	224	0.019	<1	1.25	0.007	0.05	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222281	Soil	18	0.37	164	0.022	<1	1.09	0.008	0.04	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1222282	Soil	16	0.35	164	0.024	<1	1.07	0.008	0.04	0.2	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1222283	Soil	19	0.37	241	0.018	<1	1.20	0.007	0.05	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222284	Soil	15	0.37	148	0.019	<1	0.90	0.009	0.05	0.2	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1222285	Soil	18	0.49	189	0.012	<1	1.31	0.006	0.04	0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1222286	Soil	20	0.66	206	0.008	<1	1.65	0.006	0.06	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1222287	Soil	21	0.54	175	0.010	1	1.32	0.006	0.07	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1222288	Soil	21	0.44	94	0.008	<1	1.26	0.006	0.06	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1222289	Soil	26	0.59	99	0.007	<1	1.55	0.007	0.07	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1222290	Soil	19	0.34	197	0.011	<1	1.09	0.007	0.05	0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222291	Soil		1.0	24.5	25.6	59	<0.1	27.8	13.3	948	2.80	11.1	1.8	8.7	18	0.3	1.0	0.3	33	0.24	0.031	25
1222292	Soil		0.6	25.6	15.8	61	0.1	27.7	9.8	357	2.60	8.2	2.0	10.7	18	<0.1	0.7	0.2	23	0.26	0.034	33
1222293	Soil		0.8	44.5	47.1	115	0.4	39.4	15.0	558	3.20	9.5	2.9	13.9	26	0.5	1.5	0.3	19	0.32	0.051	39
1222294	Soil		1.0	44.7	39.8	96	0.2	40.9	13.1	414	3.79	10.8	2.3	14.8	32	<0.1	2.3	0.4	15	0.26	0.060	34
1222295	Soil		1.0	31.1	12.6	64	<0.1	22.3	11.1	501	2.59	15.8	4.3	2.5	10	<0.1	0.6	0.3	37	0.08	0.047	23
1222296	Soil		0.6	13.1	16.8	42	<0.1	12.0	4.1	119	1.82	16.5	7.3	1.0	13	0.2	0.6	0.2	34	0.13	0.046	13
1222297	Soil		0.9	17.0	25.9	53	<0.1	16.0	6.0	217	2.23	19.5	5.4	1.6	11	0.3	0.6	0.2	42	0.10	0.041	19
1222298	Soil		0.7	24.2	18.4	73	0.1	23.1	9.7	338	2.32	78.5	3.2	4.2	14	0.2	0.9	0.2	37	0.14	0.036	24
1222299	Soil		0.8	14.9	14.6	50	<0.1	15.9	6.1	212	2.14	21.5	5.4	3.1	11	<0.1	0.8	0.2	36	0.09	0.028	18
1222300	Soil		0.5	22.8	18.5	62	0.2	19.7	8.4	272	2.29	17.8	6.4	5.8	15	<0.1	0.8	0.2	32	0.14	0.035	29
1222301	Soil		1.1	16.7	45.5	110	<0.1	20.6	6.0	260	2.42	72.8	2.4	1.5	8	0.5	0.7	0.2	37	0.06	0.036	27
1222302	Soil		1.0	21.6	22.6	97	<0.1	23.0	10.1	341	2.85	21.4	3.7	7.7	12	0.3	0.7	0.3	40	0.10	0.037	24
1222303	Soil		0.7	8.6	18.0	35	<0.1	8.5	2.9	130	1.75	8.4	0.7	0.9	10	0.2	0.6	0.8	37	0.04	0.023	15
1222304	Soil		1.0	14.6	15.5	61	<0.1	18.0	9.2	239	2.56	13.1	2.0	4.2	11	0.3	0.9	0.4	44	0.06	0.038	13
1222305	Soil		0.9	9.9	14.0	40	<0.1	11.1	3.9	188	2.59	13.6	0.7	0.9	8	0.1	0.8	0.4	53	0.04	0.037	13
1222306	Soil		0.7	9.0	10.8	22	<0.1	6.3	2.5	104	1.56	7.6	0.7	0.1	8	0.1	0.6	0.4	35	0.04	0.049	10
1222307	Soil		0.8	11.1	10.8	45	<0.1	13.0	5.4	170	2.04	18.5	8.6	2.2	10	0.1	0.8	0.3	38	0.06	0.038	13
1222308	Soil		1.0	9.6	12.6	45	<0.1	11.2	4.9	175	2.99	31.3	<0.5	2.5	8	<0.1	1.0	0.3	50	0.04	0.041	11
1222309	Soil		1.0	6.8	12.2	25	<0.1	5.2	2.1	105	1.90	12.6	3.0	1.3	7	<0.1	0.8	0.4	55	0.03	0.029	11
1222310	Soil		0.9	17.8	17.5	21	<0.1	5.7	1.8	82	1.07	12.9	0.5	0.2	10	0.2	0.5	0.5	36	0.04	0.035	13
1222311	Soil		0.8	26.5	10.8	63	<0.1	17.8	7.2	238	2.07	41.1	2.1	4.3	12	0.2	0.6	0.2	32	0.15	0.058	13
1222312	Soil		1.0	17.9	11.7	51	<0.1	13.8	5.1	165	2.05	18.5	<0.5	0.4	11	0.2	0.5	0.2	40	0.10	0.042	10
1222313	Soil		0.7	10.6	13.2	19	<0.1	5.4	1.8	53	0.88	10.6	1.6	0.1	8	0.2	0.3	0.4	30	0.05	0.025	11
1222314	Soil		1.0	17.1	12.3	54	<0.1	16.1	6.5	217	2.29	21.5	6.0	3.3	10	0.2	0.6	0.2	39	0.08	0.036	14
1222315	Soil		0.7	20.5	10.6	52	<0.1	16.4	6.8	185	2.13	17.1	1.0	2.9	9	0.2	0.5	0.2	36	0.09	0.037	12
1222316	Soil		0.9	24.7	11.5	53	<0.1	16.2	6.2	152	2.16	19.6	1.1	1.1	10	0.2	0.5	0.3	38	0.08	0.041	13
1222317	Soil		0.9	24.8	10.0	64	<0.1	19.0	7.2	222	2.10	16.0	4.0	2.8	12	0.2	0.6	0.2	36	0.12	0.046	15
1222318	Soil		0.8	23.7	10.5	62	<0.1	18.4	6.3	179	1.97	14.1	1.8	4.0	14	0.2	0.6	0.2	36	0.14	0.048	15
1222319	Soil		0.6	20.9	9.8	57	<0.1	16.9	6.1	171	1.99	13.9	2.1	4.2	12	0.2	0.6	0.2	34	0.13	0.046	13
1222320	Soil		0.5	19.4	8.4	49	<0.1	14.7	5.4	131	1.79	11.0	1.3	2.6	11	0.1	0.5	0.2	31	0.12	0.049	13

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222291	Soil	25	0.46	228	0.018	1	1.53	0.010	0.08	0.2	0.02	2.4	<0.1	<0.05	5	0.5	<0.2
1222292	Soil	22	0.51	161	0.012	<1	1.45	0.009	0.07	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1222293	Soil	22	0.59	181	0.006	<1	1.51	0.005	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1222294	Soil	20	0.45	85	0.005	<1	1.22	0.007	0.06	<0.1	0.02	2.3	<0.1	<0.05	4	0.6	<0.2
1222295	Soil	24	0.44	128	0.033	<1	1.42	0.006	0.05	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222296	Soil	20	0.33	83	0.028	<1	1.19	0.006	0.04	0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222297	Soil	25	0.37	105	0.026	1	1.48	0.007	0.06	0.2	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
1222298	Soil	25	0.47	139	0.041	1	1.37	0.008	0.06	0.3	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1222299	Soil	22	0.40	110	0.027	<1	1.35	0.006	0.05	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1222300	Soil	24	0.49	149	0.028	<1	1.41	0.008	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1222301	Soil	26	0.35	75	0.013	<1	1.27	0.005	0.06	0.1	0.03	1.1	0.2	<0.05	5	0.6	<0.2
1222302	Soil	29	0.47	137	0.018	1	1.83	0.005	0.08	0.2	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
1222303	Soil	16	0.21	68	0.019	1	0.86	0.004	0.03	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
1222304	Soil	25	0.37	122	0.024	1	1.78	0.006	0.03	0.1	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1222305	Soil	22	0.27	73	0.028	1	1.02	0.004	0.03	0.1	0.02	1.3	0.1	<0.05	5	<0.5	<0.2
1222306	Soil	16	0.17	53	0.010	1	0.82	0.004	0.03	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1222307	Soil	21	0.28	98	0.018	1	1.14	0.007	0.03	0.3	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1222308	Soil	22	0.26	56	0.031	1	0.99	0.004	0.03	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1222309	Soil	12	0.13	55	0.037	<1	0.88	0.004	0.02	0.2	0.02	1.0	<0.1	<0.05	6	<0.5	<0.2
1222310	Soil	11	0.07	83	0.026	<1	0.76	0.004	0.03	<0.1	0.03	0.7	0.1	<0.05	5	<0.5	<0.2
1222311	Soil	20	0.35	105	0.027	<1	1.06	0.006	0.05	0.5	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1222312	Soil	21	0.30	112	0.016	<1	1.10	0.009	0.04	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1222313	Soil	12	0.11	92	0.019	<1	0.71	0.005	0.03	0.1	0.03	0.5	<0.1	<0.05	5	<0.5	<0.2
1222314	Soil	24	0.35	128	0.027	<1	1.34	0.006	0.05	0.3	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222315	Soil	24	0.36	108	0.038	<1	1.26	0.005	0.07	0.3	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1222316	Soil	25	0.36	141	0.031	<1	1.37	0.006	0.07	0.3	0.04	1.9	0.1	<0.05	5	<0.5	<0.2
1222317	Soil	26	0.39	186	0.045	1	1.26	0.005	0.07	0.3	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
1222318	Soil	24	0.38	181	0.047	<1	1.28	0.006	0.07	0.3	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1222319	Soil	23	0.35	121	0.045	1	1.17	0.011	0.06	0.3	0.02	2.3	0.1	<0.05	3	<0.5	<0.2
1222320	Soil	19	0.31	122	0.034	<1	1.07	0.005	0.04	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222321	Soil		1.2	12.7	13.2	52	<0.1	14.7	7.9	281	3.02	14.0	1.6	4.4	7	0.2	0.7	0.3	46	0.05	0.027	10
1222322	Soil		1.1	10.9	10.7	34	<0.1	8.4	3.3	156	2.40	13.7	1.0	1.3	5	0.1	0.8	0.3	46	0.03	0.043	12
1222323	Soil		0.4	22.4	13.8	59	<0.1	17.6	7.2	266	1.97	8.4	<0.5	8.4	6	0.2	0.9	0.2	13	0.04	0.031	22
1222324	Soil		0.8	10.0	12.1	34	<0.1	9.1	3.6	131	2.06	9.4	7.5	4.8	6	<0.1	0.7	0.2	30	0.04	0.026	16
1222325	Soil		0.9	17.0	14.3	47	<0.1	14.2	5.2	196	1.95	9.7	6.5	0.9	12	0.2	0.5	0.2	38	0.10	0.039	13
1222326	Soil		0.9	13.3	12.5	50	<0.1	14.2	7.1	215	2.42	12.6	0.8	6.5	8	0.2	0.7	0.3	40	0.06	0.024	11
1222327	Soil		0.8	20.4	13.4	73	<0.1	18.8	8.8	276	2.68	12.9	0.8	12.2	10	0.2	0.6	0.5	41	0.11	0.045	18
1222328	Soil		1.1	20.1	11.5	56	<0.1	19.9	9.2	242	2.48	12.3	1.3	6.3	12	0.1	0.8	0.2	42	0.09	0.023	15
1222329	Soil		1.8	15.3	21.1	65	<0.1	17.1	7.5	211	3.06	17.4	14.1	7.9	9	0.3	0.7	0.5	51	0.06	0.042	12
1222330	Soil		1.2	13.9	12.9	36	<0.1	8.5	3.4	120	2.25	10.2	2.3	6.4	12	0.3	0.5	1.2	56	0.10	0.028	12
1222331	Soil		1.0	16.9	20.7	87	0.1	8.7	3.2	217	1.82	7.1	0.9	6.5	25	0.8	0.3	2.5	33	0.28	0.081	33
1222332	Soil		1.2	37.8	11.6	73	<0.1	25.8	12.7	618	2.85	14.0	17.7	7.8	9	0.1	0.6	0.4	35	0.08	0.040	23
1222333	Soil		1.0	40.7	11.5	72	<0.1	25.5	11.9	578	2.65	13.0	5.2	7.2	10	<0.1	0.7	0.3	36	0.08	0.033	22
1222334	Soil		0.8	29.7	9.5	66	<0.1	22.3	11.1	532	2.59	8.8	1.4	4.0	10	0.1	0.6	0.3	35	0.09	0.041	20
1222335	Soil		0.7	20.6	10.7	43	0.1	15.0	6.0	220	1.83	8.4	3.3	0.4	8	0.1	0.4	0.2	32	0.08	0.055	14
1222336	Soil		1.0	16.1	14.0	50	<0.1	14.7	7.9	344	2.65	26.5	3.2	5.9	8	0.2	0.5	0.2	38	0.07	0.029	18
1222337	Soil		0.9	17.9	22.0	64	0.1	17.2	5.9	234	2.57	41.2	7.4	2.2	7	0.2	0.5	0.2	35	0.06	0.034	15
1222338	Soil		0.8	15.6	11.8	49	<0.1	15.0	5.1	170	1.87	33.7	2.8	3.2	6	0.2	0.5	0.2	32	0.05	0.025	15
1222339	Soil		0.8	16.0	26.4	38	0.2	11.4	4.4	155	1.87	26.1	3.0	0.3	6	0.2	0.3	0.2	31	0.04	0.070	13
1222340	Soil		0.8	23.9	19.4	58	<0.1	18.6	8.6	341	2.41	24.6	3.6	8.6	8	0.1	0.5	0.2	23	0.04	0.025	33
1222341	Soil		0.8	20.1	15.9	61	<0.1	16.0	6.4	234	2.33	19.0	4.2	4.9	7	0.1	0.5	0.2	31	0.06	0.027	21
1222342	Soil		0.9	21.2	18.3	52	<0.1	19.0	7.1	245	2.38	19.1	8.3	6.1	8	0.1	0.5	0.2	34	0.07	0.024	20
1222343	Soil		0.8	25.7	18.9	68	0.2	19.4	7.4	244	2.56	18.4	4.3	1.0	10	0.3	0.4	0.2	34	0.06	0.046	18
1222344	Soil		0.7	21.1	23.6	65	<0.1	16.9	7.0	228	2.34	14.4	77.9	6.1	8	<0.1	0.4	0.2	30	0.07	0.026	21
1222345	Soil		0.6	17.7	26.4	53	<0.1	14.4	5.4	170	1.88	16.8	2.9	2.2	7	0.2	0.4	0.2	31	0.05	0.022	18
1222346	Soil		0.8	17.2	22.8	57	<0.1	16.6	5.9	190	2.24	16.4	4.3	4.4	7	0.1	0.5	0.2	34	0.05	0.023	18
1222347	Soil		0.9	21.3	25.7	65	<0.1	16.4	5.9	185	2.33	16.3	3.3	1.2	6	0.2	0.3	0.3	30	0.04	0.036	24
1222348	Soil		0.7	23.8	16.5	92	<0.1	21.6	9.2	352	2.53	17.2	4.6	4.9	8	0.1	0.5	0.2	31	0.06	0.037	24
1222349	Soil		0.7	18.6	16.8	52	<0.1	15.3	6.4	193	1.96	19.2	4.1	4.7	8	0.2	0.5	0.3	31	0.08	0.032	15
1222350	Soil		0.9	24.8	22.8	51	0.2	14.0	5.5	117	1.93	19.6	3.6	2.1	6	0.1	0.4	0.3	17	0.03	0.037	37

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222321	Soil	25	0.32	81	0.032	1	1.44	0.006	0.04	0.3	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
1222322	Soil	14	0.15	42	0.029	<1	0.68	0.003	0.04	0.2	0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
1222323	Soil	11	0.25	61	0.013	<1	0.75	0.003	0.04	0.3	0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
1222324	Soil	15	0.20	48	0.018	<1	0.89	0.003	0.03	0.2	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1222325	Soil	19	0.28	113	0.019	<1	1.12	0.006	0.04	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1222326	Soil	25	0.35	86	0.035	<1	1.43	0.005	0.04	0.4	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1222327	Soil	23	0.43	138	0.057	<1	1.58	0.007	0.14	1.0	0.03	3.3	0.4	<0.05	6	<0.5	<0.2
1222328	Soil	25	0.42	198	0.046	1	1.53	0.008	0.05	0.3	0.04	3.7	0.1	<0.05	4	<0.5	<0.2
1222329	Soil	30	0.35	139	0.034	1	2.02	0.006	0.06	1.7	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1222330	Soil	17	0.19	89	0.043	<1	1.05	0.006	0.05	2.4	0.01	1.6	0.2	<0.05	7	<0.5	<0.2
1222331	Soil	14	0.22	141	0.044	1	1.15	0.008	0.13	5.3	0.03	1.7	0.3	<0.05	9	<0.5	<0.2
1222332	Soil	25	0.47	158	0.036	<1	1.32	0.005	0.03	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1222333	Soil	23	0.47	201	0.034	<1	1.34	0.005	0.04	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1222334	Soil	23	0.45	134	0.031	<1	1.28	0.007	0.03	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222335	Soil	20	0.34	107	0.014	<1	1.11	0.006	0.03	0.1	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
1222336	Soil	24	0.37	114	0.025	1	1.44	0.005	0.05	0.3	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222337	Soil	22	0.34	90	0.020	1	1.26	0.005	0.05	0.2	0.03	1.3	<0.1	<0.05	4	0.5	<0.2
1222338	Soil	19	0.29	83	0.019	<1	1.10	0.005	0.04	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1222339	Soil	16	0.23	94	0.007	<1	1.17	0.006	0.04	0.1	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1222340	Soil	17	0.32	115	0.018	<1	1.10	0.004	0.04	0.1	0.03	1.8	<0.1	<0.05	3	0.6	<0.2
1222341	Soil	20	0.38	110	0.032	<1	1.20	0.005	0.04	0.1	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222342	Soil	22	0.39	134	0.038	1	1.36	0.006	0.04	0.2	0.03	2.2	<0.1	<0.05	4	0.5	<0.2
1222343	Soil	22	0.42	194	0.021	1	1.46	0.007	0.04	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222344	Soil	20	0.42	132	0.030	1	1.22	0.005	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1222345	Soil	19	0.34	118	0.027	<1	1.23	0.006	0.04	0.1	0.03	1.4	<0.1	<0.05	4	0.6	<0.2
1222346	Soil	22	0.37	104	0.032	<1	1.35	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222347	Soil	20	0.36	109	0.015	<1	1.46	0.005	0.04	0.1	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
1222348	Soil	31	0.40	115	0.022	<1	1.18	0.004	0.05	0.1	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
1222349	Soil	19	0.35	110	0.027	<1	1.21	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	3	0.8	<0.2
1222350	Soil	11	0.14	75	0.006	<1	0.69	0.004	0.04	<0.1	0.02	0.7	<0.1	<0.05	2	<0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222351	Soil		0.8	26.5	18.8	84	0.2	21.6	9.4	226	2.89	26.7	8.1	8.6	6	0.1	0.6	0.2	23	0.04	0.026	33
1222352	Soil		0.8	21.3	18.8	67	<0.1	16.0	4.4	98	2.89	63.7	11.8	8.2	5	<0.1	0.8	0.2	20	0.03	0.028	29
1222353	Soil		1.2	18.2	35.4	73	0.2	16.7	7.0	160	3.06	16.1	2.7	2.4	9	0.2	0.5	0.2	59	0.06	0.036	13
1222354	Soil		1.0	27.4	37.4	118	0.2	16.5	4.8	151	2.93	26.3	2.2	2.3	8	0.3	0.5	0.2	45	0.05	0.036	22
1222355	Soil		1.0	43.9	106.0	149	0.2	21.0	9.5	247	3.13	25.9	7.4	8.4	8	0.2	0.5	0.2	40	0.06	0.024	23
1222356	Soil		1.0	28.2	45.7	127	<0.1	15.2	9.7	307	2.61	39.2	8.7	4.2	7	0.1	0.5	0.3	32	0.05	0.031	21
1222357	Soil		0.9	13.5	14.4	54	<0.1	21.3	8.3	173	2.86	13.9	3.4	4.7	8	0.2	0.7	0.2	37	0.06	0.021	11
1222358	Soil		0.7	13.6	29.7	48	0.1	14.3	4.7	141	1.87	30.7	4.4	3.8	7	0.2	0.5	0.2	27	0.04	0.022	18
1222359	Soil		0.6	19.4	26.5	51	<0.1	15.5	6.2	173	1.88	22.3	3.5	5.8	9	0.3	0.5	0.1	31	0.08	0.019	19
1222360	Soil		0.7	13.1	18.4	39	<0.1	11.7	4.5	148	1.76	28.5	2.4	2.7	8	0.1	0.4	0.1	31	0.07	0.027	17
1222361	Soil		0.6	16.1	13.6	40	<0.1	12.8	4.9	133	1.75	26.6	64.4	5.1	7	<0.1	0.5	0.1	25	0.06	0.023	20
1222362	Soil		0.6	15.0	12.6	40	<0.1	11.8	4.1	113	1.87	20.9	3.1	1.9	10	0.1	0.4	0.1	31	0.11	0.053	13
1222363	Soil		0.5	15.3	12.2	41	<0.1	13.5	5.7	190	1.89	11.9	2.8	2.4	11	<0.1	0.5	0.1	35	0.13	0.039	15
1222364	Soil		0.7	21.7	30.8	50	<0.1	25.1	10.5	333	2.82	17.0	6.1	5.5	10	0.2	0.6	0.2	33	0.12	0.033	16
1222365	Soil		0.7	17.6	19.0	44	0.1	19.7	7.6	186	2.57	21.9	5.4	5.8	9	0.2	0.5	0.2	41	0.08	0.019	16
1222366	Soil		0.9	13.4	15.7	44	0.2	15.5	6.7	189	2.59	21.9	4.0	4.5	9	<0.1	0.4	0.2	42	0.08	0.019	15
1222367	Soil		0.5	15.8	16.7	41	0.1	15.3	6.1	161	2.07	34.7	5.1	4.6	10	<0.1	0.4	0.2	34	0.10	0.020	16
1222368	Soil		0.5	19.7	22.7	47	<0.1	16.9	6.2	163	2.78	30.0	4.6	12.8	5	<0.1	0.4	0.2	19	0.04	0.017	34
1222369	Soil		0.8	28.7	17.5	60	0.2	22.1	9.3	269	3.16	49.7	6.0	11.2	7	<0.1	0.5	0.2	34	0.06	0.025	26
1222370	Soil		0.4	8.4	14.5	23	<0.1	6.3	2.6	176	1.28	17.5	1.9	0.2	6	0.2	0.2	0.2	30	0.04	0.032	18
1222371	Soil		0.7	11.9	14.1	43	<0.1	14.8	6.0	180	2.15	19.9	9.5	4.8	8	<0.1	0.4	0.2	36	0.06	0.014	13
1222372	Soil		0.7	12.8	16.8	38	<0.1	13.4	6.3	206	2.07	15.4	6.4	2.1	7	<0.1	0.4	0.2	31	0.06	0.025	11
1222373	Soil		0.8	24.2	17.2	47	<0.1	17.1	7.7	280	2.05	16.0	3.3	5.7	8	<0.1	0.5	0.2	29	0.06	0.026	13
1222374	Soil		0.7	13.8	15.3	31	0.1	9.8	3.9	102	1.37	12.6	4.1	0.4	7	<0.1	0.3	0.1	18	0.05	0.045	11
1222375	Soil		1.2	23.5	24.9	53	0.2	18.2	7.3	310	2.24	25.4	4.0	2.8	8	<0.1	0.6	0.2	35	0.05	0.036	14
1222376	Soil		0.6	21.5	14.6	50	<0.1	17.0	6.5	233	2.03	17.1	3.8	4.9	7	0.1	0.5	0.2	32	0.05	0.023	14
1222377	Soil		0.7	16.1	20.5	43	<0.1	13.0	4.9	169	1.70	20.7	6.2	0.5	7	0.2	0.5	0.4	28	0.07	0.039	13
1222378	Soil		0.7	18.7	13.3	52	<0.1	18.6	6.0	209	1.93	12.4	2.5	3.9	14	<0.1	0.5	0.2	31	0.15	0.042	15
1222379	Soil		0.9	16.1	12.1	49	<0.1	14.4	5.7	159	1.86	10.6	3.7	2.5	10	<0.1	0.5	0.2	30	0.11	0.046	14
1222380	Soil		0.6	16.6	11.5	52	<0.1	13.8	5.6	167	1.72	9.7	4.5	3.1	14	0.1	0.5	0.2	28	0.18	0.052	14

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222351	Soil	20	0.39	88	0.012	<1	1.14	0.004	0.05	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1222352	Soil	14	0.20	54	0.007	<1	0.90	0.004	0.04	<0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1222353	Soil	30	0.31	120	0.037	1	1.64	0.007	0.04	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
1222354	Soil	26	0.33	119	0.028	<1	1.21	0.005	0.04	0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1222355	Soil	29	0.44	146	0.033	1	1.79	0.005	0.06	0.2	0.04	3.1	0.1	<0.05	4	<0.5	<0.2
1222356	Soil	20	0.27	79	0.015	<1	1.29	0.004	0.05	0.1	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1222357	Soil	26	0.40	122	0.033	1	1.62	0.005	0.04	0.2	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
1222358	Soil	14	0.20	98	0.017	1	0.91	0.005	0.07	0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1222359	Soil	20	0.36	101	0.034	2	1.23	0.010	0.06	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1222360	Soil	18	0.27	83	0.024	<1	1.06	0.005	0.05	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222361	Soil	16	0.29	82	0.021	<1	1.06	0.004	0.05	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1222362	Soil	18	0.30	82	0.024	<1	1.14	0.005	0.05	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1222363	Soil	20	0.33	119	0.030	1	1.11	0.006	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1222364	Soil	21	0.30	130	0.025	1	1.46	0.007	0.04	0.2	0.02	1.8	0.1	<0.05	3	<0.5	<0.2
1222365	Soil	24	0.32	153	0.035	<1	1.55	0.007	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
1222366	Soil	23	0.35	142	0.029	<1	1.47	0.006	0.03	0.2	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
1222367	Soil	20	0.34	146	0.023	<1	1.26	0.006	0.03	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
1222368	Soil	15	0.28	90	0.009	<1	1.10	0.004	0.04	<0.1	0.03	1.5	0.1	<0.05	3	<0.5	<0.2
1222369	Soil	24	0.43	132	0.022	<1	1.59	0.005	0.04	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1222370	Soil	11	0.14	79	0.012	<1	0.77	0.004	0.04	0.1	0.01	0.4	<0.1	<0.05	4	<0.5	<0.2
1222371	Soil	21	0.33	167	0.020	<1	1.33	0.004	0.03	0.2	0.03	2.1	<0.1	<0.05	4	0.8	<0.2
1222372	Soil	19	0.28	112	0.012	<1	1.24	0.004	0.03	0.2	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1222373	Soil	20	0.34	120	0.021	<1	1.18	0.004	0.03	0.2	0.02	2.3	<0.1	<0.05	3	0.6	<0.2
1222374	Soil	13	0.17	96	0.008	<1	0.77	0.004	0.02	0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
1222375	Soil	23	0.33	132	0.029	<1	1.31	0.004	0.04	0.2	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1222376	Soil	20	0.34	127	0.030	<1	1.21	0.004	0.04	0.2	0.02	2.2	<0.1	<0.05	3	0.6	<0.2
1222377	Soil	16	0.25	98	0.017	<1	0.96	0.004	0.04	0.2	0.01	0.7	0.1	<0.05	3	0.8	<0.2
1222378	Soil	21	0.35	185	0.038	<1	1.09	0.007	0.03	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1222379	Soil	20	0.33	132	0.037	<1	1.07	0.005	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1222380	Soil	18	0.32	195	0.026	<1	0.96	0.006	0.03	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
Report Date: November 12, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222381	Soil		0.5	15.8	10.1	48	0.1	14.4	5.3	131	1.72	10.6	6.7	3.2	15	<0.1	0.4	0.2	30	0.16	0.054	14
1222382	Soil		0.7	15.4	11.9	53	0.2	14.6	5.2	143	1.90	13.7	14.6	2.5	14	0.2	0.4	0.2	31	0.17	0.058	12
1222383	Soil		0.8	21.1	11.7	61	0.2	18.0	6.2	218	1.86	16.1	14.0	5.1	15	0.2	0.5	0.2	28	0.18	0.062	16
1222384	Soil		0.8	19.0	12.5	55	0.2	16.5	6.9	232	1.94	16.2	13.5	2.3	16	0.2	0.4	0.2	31	0.18	0.061	14
1222385	Soil		0.7	14.7	12.5	53	0.2	15.0	5.6	204	1.97	18.9	16.5	2.6	13	0.2	0.5	0.2	29	0.15	0.057	13
1222386	Soil		0.6	12.7	13.8	51	0.2	14.8	7.9	306	2.02	15.5	3.7	2.2	14	0.1	0.4	0.2	28	0.14	0.059	13
1222387	Soil		0.4	22.0	19.2	68	0.3	19.5	9.1	428	1.93	22.3	6.6	4.2	22	0.3	0.4	0.3	20	0.33	0.061	16
1222388	Soil		0.8	17.9	66.1	54	0.5	16.4	8.7	460	1.85	21.5	2.7	2.1	10	1.0	0.4	0.1	18	0.08	0.040	13
1222389	Soil		1.0	14.8	150.6	107	0.8	16.4	9.2	481	2.50	124.3	7.6	6.7	8	1.4	0.8	0.2	23	0.06	0.037	14
1222390	Soil		0.6	15.1	19.9	48	0.1	15.0	4.7	174	2.17	14.2	1.1	7.4	6	0.2	0.3	0.2	22	0.03	0.025	19
1222391	Soil		0.3	41.2	45.8	103	0.4	26.3	10.8	617	2.31	13.2	2.7	8.9	21	0.5	0.9	0.5	19	0.35	0.091	26
1222392	Soil		0.8	24.5	21.2	63	0.4	20.4	7.0	380	2.17	15.5	4.1	1.3	33	0.4	0.6	0.4	30	0.30	0.049	20
1222393	Soil		0.6	7.6	11.8	43	<0.1	10.1	3.6	153	2.27	8.8	1.5	2.7	9	0.1	0.7	0.3	41	0.07	0.033	12
1222394	Soil		0.9	21.9	14.6	78	<0.1	24.4	9.9	275	2.70	12.5	2.6	2.1	16	0.2	1.0	0.3	38	0.11	0.067	17
1222395	Soil		0.7	27.5	19.5	88	<0.1	39.3	15.6	306	3.59	12.6	<0.5	8.3	10	0.1	0.7	0.3	41	0.05	0.030	26
1222396	Soil		1.1	11.8	12.4	42	0.1	12.0	4.9	160	2.42	10.4	<0.5	1.7	11	0.2	1.0	0.3	46	0.06	0.035	12
1222397	Soil		0.6	19.8	26.2	67	0.1	23.9	8.5	204	2.51	9.0	<0.5	4.4	12	0.2	0.6	0.3	32	0.08	0.041	18
1222398	Soil		0.9	22.5	13.5	69	0.1	19.3	7.4	217	2.36	11.7	3.3	3.5	12	0.1	1.0	0.3	34	0.07	0.040	16
1222399	Soil		1.3	39.6	24.1	87	0.4	25.8	12.3	429	3.27	15.3	0.9	4.7	17	0.3	1.0	0.6	39	0.08	0.072	19
1222400	Soil		1.2	24.2	18.6	70	<0.1	20.4	8.6	253	3.19	17.5	2.0	4.0	14	0.2	0.9	0.5	40	0.07	0.054	21
1222401	Soil		1.2	30.8	112.8	94	0.3	22.2	7.8	234	3.09	19.3	4.0	3.4	12	0.3	0.9	1.0	39	0.06	0.058	17
1222402	Soil		1.1	30.7	20.2	55	<0.1	19.0	5.0	188	2.06	11.4	3.0	0.4	13	0.3	0.7	0.5	34	0.06	0.051	16
1222403	Soil		1.0	20.2	17.3	64	<0.1	18.1	6.2	190	2.22	26.6	2.0	1.7	15	0.1	0.8	0.4	34	0.09	0.047	15
1222404	Soil		1.0	18.0	28.5	60	<0.1	16.1	5.5	157	2.14	32.9	8.6	0.7	12	0.2	0.7	0.4	35	0.07	0.052	16
1222405	Soil		1.0	15.7	23.0	58	<0.1	15.3	5.3	167	2.10	15.3	6.4	0.6	12	0.2	0.7	0.3	38	0.08	0.058	16
1222406	Soil		0.8	14.2	27.8	58	<0.1	14.6	5.8	189	1.89	12.4	2.4	1.6	11	0.2	0.6	0.3	32	0.07	0.056	18
1222407	Soil		0.7	16.7	11.3	56	<0.1	17.3	6.5	203	1.87	9.5	0.8	1.6	11	0.1	0.6	0.3	33	0.08	0.046	19
1222408	Soil		0.8	17.6	14.0	54	<0.1	16.7	6.6	181	1.92	9.4	8.8	3.1	13	0.1	0.6	0.3	30	0.07	0.065	18
1222409	Soil		0.9	14.8	15.9	59	<0.1	15.8	7.8	279	2.13	11.4	53.4	1.2	12	0.1	0.6	0.3	35	0.07	0.042	17
1222410	Soil		0.8	11.4	11.9	46	<0.1	12.3	4.8	149	2.00	8.8	2.1	0.4	10	0.1	0.5	0.3	37	0.06	0.048	14

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222381	Soil	19	0.31	182	0.027	<1	1.04	0.005	0.03	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1222382	Soil	19	0.32	174	0.024	<1	1.09	0.005	0.04	0.4	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1222383	Soil	21	0.33	313	0.025	<1	0.94	0.005	0.04	0.5	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1222384	Soil	21	0.32	244	0.020	<1	1.10	0.006	0.04	0.5	0.06	2.0	<0.1	<0.05	3	0.6	<0.2
1222385	Soil	18	0.30	200	0.020	4	1.04	0.005	0.04	0.8	0.05	1.6	<0.1	<0.05	3	<0.5	<0.2
1222386	Soil	18	0.32	181	0.017	<1	1.01	0.005	0.04	0.6	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1222387	Soil	16	0.38	146	0.016	<1	0.98	0.005	0.05	2.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222388	Soil	18	0.24	193	0.008	<1	0.90	0.004	0.09	0.2	0.03	1.0	<0.1	<0.05	2	<0.5	<0.2
1222389	Soil	17	0.23	110	0.009	<1	0.94	0.003	0.06	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1222390	Soil	17	0.27	98	0.010	<1	1.07	0.003	0.07	0.2	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1222391	Soil	17	0.46	171	0.013	<1	1.02	0.004	0.04	0.1	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1222392	Soil	22	0.31	360	0.010	<1	1.18	0.006	0.03	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1222393	Soil	17	0.25	58	0.043	<1	0.99	0.004	0.03	0.2	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1222394	Soil	25	0.43	119	0.027	<1	1.49	0.006	0.07	0.2	0.02	1.8	0.2	<0.05	4	<0.5	<0.2
1222395	Soil	39	0.66	145	0.046	<1	2.25	0.006	0.31	0.1	0.03	3.1	0.3	<0.05	7	<0.5	<0.2
1222396	Soil	19	0.26	99	0.027	<1	1.12	0.005	0.03	0.2	0.06	1.5	<0.1	<0.05	5	<0.5	<0.2
1222397	Soil	26	0.45	88	0.037	<1	1.38	0.006	0.14	0.2	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1222398	Soil	22	0.39	79	0.023	<1	1.16	0.005	0.05	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222399	Soil	28	0.47	159	0.017	<1	1.55	0.006	0.08	0.1	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
1222400	Soil	26	0.41	145	0.022	<1	1.48	0.006	0.06	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1222401	Soil	24	0.43	126	0.015	<1	1.40	0.005	0.05	0.2	0.06	2.0	0.2	<0.05	5	<0.5	<0.2
1222402	Soil	23	0.30	130	0.013	<1	1.05	0.006	0.05	0.1	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
1222403	Soil	22	0.35	108	0.023	<1	1.07	0.006	0.05	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1222404	Soil	22	0.35	94	0.021	<1	1.17	0.006	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1222405	Soil	23	0.32	93	0.020	<1	1.13	0.005	0.04	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1222406	Soil	21	0.29	78	0.022	<1	1.07	0.005	0.03	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1222407	Soil	21	0.33	95	0.027	<1	1.02	0.005	0.04	0.2	0.05	1.6	<0.1	<0.05	4	<0.5	<0.2
1222408	Soil	21	0.30	106	0.026	<1	1.11	0.005	0.04	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1222409	Soil	21	0.31	116	0.020	<1	1.10	0.005	0.04	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1222410	Soil	20	0.28	79	0.017	<1	1.19	0.005	0.03	0.2	0.05	0.9	<0.1	<0.05	4	<0.5	<0.2

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222411	Soil		0.7	21.1	15.8	71	<0.1	21.9	10.5	360	2.41	11.3	2.1	2.7	13	0.1	0.7	0.3	33	0.07	0.048	21
1222412	Soil		0.7	22.1	13.4	67	<0.1	20.8	9.3	266	2.23	10.2	1.7	3.0	16	<0.1	0.7	0.3	34	0.10	0.051	21
1222413	Soil		0.8	12.2	12.1	52	<0.1	15.0	7.6	245	1.95	9.1	<0.5	1.4	11	<0.1	0.6	0.3	33	0.07	0.047	17
1222414	Soil		0.8	12.8	13.8	53	<0.1	14.1	5.9	159	2.16	11.8	1.0	1.5	11	<0.1	0.6	0.3	37	0.07	0.040	15
1222415	Soil		0.9	12.6	13.3	53	<0.1	13.9	6.5	196	2.44	11.3	1.9	3.3	10	0.1	0.7	0.3	45	0.06	0.032	15
1222416	Soil		0.7	18.5	10.0	50	<0.1	16.3	7.2	214	2.00	10.9	9.1	1.7	12	<0.1	0.8	0.3	33	0.09	0.059	16
1222417	Soil		0.7	18.9	10.0	47	<0.1	14.9	6.9	198	2.05	10.6	7.8	2.3	11	<0.1	0.8	0.3	34	0.08	0.047	17
1222418	Soil		0.6	9.8	9.3	39	<0.1	10.9	3.8	146	1.83	9.1	2.5	0.7	10	<0.1	0.6	0.3	34	0.07	0.037	12
1222419	Soil		0.6	16.5	10.5	45	<0.1	15.8	7.0	199	2.09	11.6	2.5	2.8	9	<0.1	0.5	0.2	35	0.09	0.054	14
1222420	Soil		0.8	21.4	12.6	53	<0.1	19.7	8.7	279	2.62	13.5	3.9	3.9	10	<0.1	0.5	0.2	37	0.09	0.046	15
1222421	Soil		0.8	14.1	21.6	52	0.1	17.7	8.3	208	2.83	12.7	3.7	4.9	9	0.2	0.6	0.2	40	0.08	0.031	11
1222422	Soil		0.8	19.3	10.3	45	<0.1	15.4	4.9	151	2.06	14.4	14.0	4.0	10	0.3	0.5	0.2	38	0.08	0.029	14
1222423	Soil		1.1	22.5	27.1	58	0.2	17.6	6.7	222	3.06	27.6	13.0	3.4	9	0.2	0.7	0.3	36	0.07	0.040	17
1222424	Soil		1.0	28.0	32.1	58	0.1	15.6	5.4	184	3.04	46.8	5.4	3.3	9	0.3	1.1	0.3	31	0.06	0.042	24
1222425	Soil		1.1	20.1	21.1	51	<0.1	13.4	4.7	180	2.32	46.5	6.1	0.8	9	0.2	0.8	0.3	35	0.06	0.042	17
1222426	Soil		0.9	21.0	29.1	49	0.1	13.0	4.8	171	2.44	118.7	3.4	1.0	10	0.3	0.6	0.3	32	0.05	0.038	19
1222427	Soil		1.0	19.2	33.2	38	0.1	11.8	3.6	124	1.97	106.4	3.9	0.5	9	0.2	0.5	0.3	26	0.04	0.043	19
1222428	Soil		0.9	17.9	29.2	40	0.2	10.7	3.5	124	2.07	104.3	2.2	0.5	10	0.2	0.4	0.3	27	0.03	0.047	19
1222429	Soil		1.0	14.2	45.1	38	0.1	11.5	4.6	168	1.90	127.6	10.6	0.3	10	0.2	1.1	0.2	29	0.05	0.044	18
1222430	Soil		0.8	19.5	34.2	46	0.4	12.2	5.0	180	2.41	108.3	6.3	1.4	10	0.2	0.5	0.3	26	0.06	0.044	21
1222431	Soil		0.9	10.9	23.3	26	0.1	7.6	2.1	58	1.12	36.6	2.5	0.3	10	0.1	0.2	0.2	17	0.04	0.042	16
1222432	Soil		0.9	13.7	21.2	39	<0.1	10.0	3.3	119	1.80	42.5	7.9	2.0	9	0.1	0.4	0.2	25	0.07	0.042	18
1222433	Soil		0.8	12.1	18.8	33	<0.1	9.6	3.0	100	1.54	36.7	13.8	0.4	9	<0.1	0.3	0.2	24	0.06	0.037	18
1222434	Soil		0.6	10.7	19.3	24	<0.1	7.1	2.3	59	1.37	32.3	6.3	0.2	9	<0.1	0.3	0.2	22	0.04	0.043	14
1222435	Soil		1.0	10.4	14.2	42	<0.1	10.8	5.2	212	2.75	23.5	2.0	1.7	7	0.2	0.5	0.2	46	0.05	0.027	12
1222436	Soil		0.6	10.4	17.4	41	<0.1	11.6	3.2	98	1.41	16.1	35.7	0.3	7	0.1	0.4	0.1	26	0.07	0.030	13
1222437	Soil		0.7	15.8	226.8	80	0.4	11.7	3.8	133	1.64	85.3	15.5	0.6	8	0.5	0.6	0.5	28	0.10	0.041	14
1222438	Soil		0.7	11.2	15.8	43	0.1	12.2	4.4	161	1.62	17.0	1.9	0.7	9	0.2	0.4	0.2	29	0.10	0.042	13
1222439	Soil		0.7	14.1	22.1	43	0.2	13.9	5.0	160	1.80	45.5	10.6	0.6	9	0.2	0.5	0.2	29	0.08	0.044	16
1222440	Soil		0.7	15.3	16.0	34	<0.1	10.8	3.7	87	1.62	28.1	4.6	0.2	8	<0.1	0.3	0.2	30	0.06	0.039	12

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		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222411	Soil		26	0.40	118	0.027	<1	1.28	0.006	0.05	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1222412	Soil		24	0.40	143	0.027	<1	1.38	0.006	0.05	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
1222413	Soil		22	0.32	85	0.024	<1	1.17	0.005	0.03	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222414	Soil		23	0.33	82	0.024	<1	1.28	0.005	0.03	0.1	0.03	1.8	<0.1	<0.05	4	0.5	<0.2
1222415	Soil		24	0.32	79	0.039	<1	1.52	0.005	0.03	0.2	0.04	2.5	<0.1	<0.05	5	<0.5	<0.2
1222416	Soil		21	0.31	82	0.028	<1	1.10	0.005	0.03	0.2	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
1222417	Soil		22	0.31	103	0.031	<1	1.16	0.005	0.03	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1222418	Soil		19	0.25	62	0.022	<1	0.88	0.005	0.03	0.1	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1222419	Soil		21	0.37	106	0.029	<1	1.17	0.005	0.03	0.1	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1222420	Soil		25	0.40	151	0.034	<1	1.41	0.005	0.05	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1222421	Soil		26	0.38	106	0.036	<1	1.55	0.005	0.04	0.2	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1222422	Soil		18	0.26	91	0.039	1	0.96	0.005	0.06	0.4	0.02	1.4	<0.1	<0.05	4	0.6	<0.2
1222423	Soil		23	0.42	101	0.022	<1	1.31	0.006	0.04	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1222424	Soil		21	0.41	96	0.016	<1	1.23	0.005	0.04	0.1	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1222425	Soil		21	0.38	92	0.018	<1	1.11	0.006	0.04	0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
1222426	Soil		22	0.39	111	0.013	<1	1.27	0.004	0.04	0.1	0.04	1.1	0.1	<0.05	4	0.5	<0.2
1222427	Soil		18	0.30	71	0.007	<1	0.98	0.004	0.03	0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
1222428	Soil		20	0.32	70	0.006	<1	1.03	0.004	0.03	0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1222429	Soil		18	0.28	65	0.009	<1	0.99	0.005	0.03	0.1	0.04	0.4	<0.1	<0.05	4	<0.5	<0.2
1222430	Soil		19	0.35	63	0.013	<1	1.11	0.004	0.03	0.1	0.02	0.8	<0.1	<0.05	3	0.5	<0.2
1222431	Soil		13	0.17	62	0.004	<1	0.73	0.005	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
1222432	Soil		19	0.34	57	0.018	<1	1.02	0.004	0.04	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1222433	Soil		18	0.28	48	0.013	<1	0.83	0.004	0.03	0.1	0.02	0.4	<0.1	<0.05	3	0.6	<0.2
1222434	Soil		14	0.18	56	0.006	<1	0.73	0.005	0.02	0.1	0.05	0.2	<0.1	<0.05	3	<0.5	<0.2
1222435	Soil		22	0.31	52	0.033	<1	1.03	0.005	0.03	0.2	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1222436	Soil		16	0.28	57	0.014	<1	0.80	0.005	0.03	0.2	0.06	0.6	<0.1	<0.05	3	<0.5	<0.2
1222437	Soil		18	0.29	61	0.016	<1	0.90	0.006	0.03	0.2	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
1222438	Soil		18	0.32	74	0.020	<1	0.92	0.005	0.03	0.2	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1222439	Soil		19	0.32	77	0.018	<1	1.04	0.004	0.04	0.4	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
1222440	Soil		19	0.28	105	0.014	<1	1.08	0.005	0.03	0.2	0.04	0.6	<0.1	<0.05	4	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222441	Soil	0.9	9.3	14.4	34	<0.1	9.3	3.3	102	1.61	17.9	4.3	0.2	7	0.1	0.2	0.2	32	0.07	0.036	12
1222442	Soil	0.7	14.5	13.9	46	<0.1	14.6	5.1	152	1.82	18.0	4.9	1.7	8	0.1	0.4	0.1	32	0.08	0.039	13
1222443	Soil	0.6	10.0	20.5	26	<0.1	8.5	2.7	79	1.19	20.0	1.5	0.2	7	<0.1	0.3	0.2	26	0.05	0.028	12
1222444	Soil	0.5	8.5	12.5	30	<0.1	9.3	3.0	92	1.38	16.6	2.5	0.2	7	0.1	0.3	0.2	28	0.05	0.025	13
1222445	Soil	0.7	17.4	14.1	46	<0.1	15.1	6.1	201	1.95	19.3	4.6	1.0	9	<0.1	0.4	0.2	33	0.08	0.045	17
1222446	Soil	0.8	22.7	13.0	53	<0.1	18.7	8.2	292	2.17	21.9	3.9	3.2	10	0.1	0.5	0.2	33	0.09	0.038	17
1222447	Soil	1.0	16.0	13.6	48	0.1	14.1	6.6	250	2.07	23.6	9.1	1.5	11	0.2	0.5	0.2	36	0.11	0.046	16
1222448	Soil	0.8	13.5	10.9	39	<0.1	12.9	4.7	149	1.68	19.7	12.7	0.4	10	0.1	0.5	0.2	31	0.10	0.039	13
1222449	Soil	0.9	14.7	12.8	45	<0.1	14.7	5.5	206	1.91	30.2	3.9	1.5	9	0.2	0.5	0.1	33	0.08	0.037	16
1222450	Soil	0.8	16.9	10.8	49	<0.1	15.6	6.4	231	1.93	22.7	7.5	2.2	10	0.2	0.5	0.1	32	0.11	0.041	15
1222556	Soil	0.6	21.1	12.4	54	<0.1	20.1	7.6	223	2.12	15.1	3.6	4.4	11	0.3	0.5	0.1	34	0.11	0.038	14
1222557	Soil	1.2	17.9	13.6	69	<0.1	18.1	7.8	266	2.75	16.7	3.7	5.0	9	0.4	0.6	0.2	43	0.07	0.032	11
1222558	Soil	0.8	24.1	14.1	62	<0.1	20.5	8.6	253	2.59	21.5	5.7	6.0	9	0.2	0.5	0.2	38	0.07	0.026	17
1222559	Soil	1.0	18.5	49.3	75	0.2	15.8	6.5	207	2.20	24.7	5.1	3.2	11	0.3	0.5	0.2	35	0.10	0.039	15
1222560	Soil	0.9	13.5	56.7	60	0.3	14.9	5.8	228	2.05	26.5	2.1	1.3	13	0.2	0.6	0.2	37	0.12	0.043	16
1222561	Soil	0.7	33.5	24.7	72	<0.1	20.5	10.1	350	2.50	35.0	10.3	4.5	12	0.2	0.9	0.2	43	0.09	0.032	17
1222562	Soil	0.9	18.8	85.3	80	0.3	13.7	6.2	242	2.45	64.7	5.4	1.0	12	0.4	0.6	0.3	44	0.09	0.080	16
1222563	Soil	1.0	17.3	15.2	56	<0.1	14.9	7.8	280	2.39	20.0	3.7	2.1	11	0.1	0.5	0.2	40	0.09	0.046	16
1222564	Soil	1.0	13.4	15.3	60	0.2	13.8	5.7	221	2.45	21.0	<0.5	4.2	10	0.1	0.5	0.3	44	0.08	0.042	16
1222565	Soil	1.0	15.9	63.0	82	0.5	15.9	7.3	289	2.55	45.9	4.5	5.6	12	0.4	0.7	0.3	44	0.09	0.024	16
1222566	Soil	0.5	20.4	24.6	84	0.1	20.5	8.5	366	2.35	20.0	1.2	7.5	14	0.3	0.5	0.2	31	0.16	0.022	19
1222567	Soil	0.6	23.5	32.4	96	0.2	22.9	8.9	302	2.50	20.9	2.8	9.2	12	0.2	0.5	0.2	30	0.08	0.018	24
1222568	Soil	0.7	16.8	30.5	64	0.2	19.1	8.1	246	2.27	14.9	1.7	5.5	12	0.2	0.5	0.2	34	0.11	0.027	18
1222569	Soil	0.5	23.8	24.0	88	0.1	24.5	9.8	353	2.61	19.3	1.6	8.6	16	0.2	0.6	0.2	29	0.14	0.024	25
1222570	Soil	0.7	24.3	28.2	102	0.1	24.0	8.6	315	2.64	20.0	4.9	9.2	11	0.2	0.6	0.2	28	0.10	0.024	30
1222571	Soil	0.8	19.4	46.0	93	0.2	19.4	8.1	315	2.41	17.7	7.4	6.9	9	0.4	0.7	0.2	34	0.06	0.016	20
1222572	Soil	1.0	25.6	32.3	189	0.1	23.5	9.1	310	2.63	30.2	4.1	9.8	9	0.5	0.9	0.2	32	0.05	0.013	25
1222573	Soil	0.7	23.0	51.9	123	<0.1	18.9	7.5	302	2.33	18.2	3.9	8.6	9	0.3	0.8	0.2	30	0.06	0.015	27
1222574	Soil	0.7	22.7	35.0	82	<0.1	18.6	7.7	280	2.24	14.7	3.0	6.6	9	0.2	0.7	0.2	32	0.06	0.019	22
1222575	Soil	0.7	19.8	22.7	74	<0.1	16.8	6.8	208	2.21	16.4	6.3	6.2	10	0.2	0.6	0.2	36	0.08	0.027	19

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222441	Soil	18	0.28	62	0.017	<1	0.91	0.006	0.03	0.2	0.03	0.5	<0.1	<0.05	4	0.8	<0.2
1222442	Soil	19	0.34	91	0.025	<1	1.09	0.005	0.04	0.2	0.04	1.4	<0.1	<0.05	3	0.6	<0.2
1222443	Soil	14	0.20	69	0.012	<1	0.85	0.004	0.03	0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
1222444	Soil	16	0.25	65	0.013	<1	0.87	0.004	0.03	0.2	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2
1222445	Soil	21	0.36	129	0.022	<1	1.22	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1222446	Soil	21	0.46	120	0.031	<1	1.27	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1222447	Soil	22	0.38	131	0.024	<1	1.23	0.006	0.04	0.3	0.03	1.5	<0.1	<0.05	4	0.8	<0.2
1222448	Soil	17	0.30	95	0.019	<1	0.93	0.005	0.04	0.2	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1222449	Soil	19	0.33	94	0.026	<1	1.07	0.005	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1222450	Soil	20	0.35	153	0.029	<1	1.08	0.005	0.04	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1222556	Soil	22	0.42	143	0.033	<1	1.33	0.006	0.05	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1222557	Soil	27	0.44	136	0.034	<1	1.47	0.005	0.05	0.2	0.03	2.2	0.1	<0.05	4	1.0	<0.2
1222558	Soil	25	0.44	165	0.032	<1	1.50	0.006	0.04	0.2	0.04	3.1	0.1	<0.05	3	<0.5	<0.2
1222559	Soil	23	0.40	129	0.026	<1	1.45	0.006	0.05	0.2	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1222560	Soil	23	0.38	133	0.025	<1	1.27	0.005	0.05	0.2	0.02	1.2	0.1	0.07	5	<0.5	<0.2
1222561	Soil	27	0.45	164	0.039	2	1.46	0.006	0.05	0.2	0.05	3.6	0.1	0.08	4	<0.5	<0.2
1222562	Soil	24	0.37	154	0.022	<1	1.50	0.005	0.05	0.2	0.02	1.7	0.2	0.05	5	<0.5	<0.2
1222563	Soil	25	0.40	140	0.029	1	1.46	0.007	0.05	0.2	0.03	1.9	0.2	<0.05	5	<0.5	<0.2
1222564	Soil	23	0.37	135	0.026	1	1.45	0.005	0.06	0.2	0.04	2.1	0.2	<0.05	5	<0.5	<0.2
1222565	Soil	25	0.39	183	0.027	2	1.62	0.005	0.05	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
1222566	Soil	23	0.45	172	0.021	<1	1.43	0.005	0.10	0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
1222567	Soil	25	0.48	200	0.024	<1	1.74	0.005	0.10	0.2	0.04	2.8	0.3	<0.05	5	<0.5	<0.2
1222568	Soil	22	0.42	182	0.022	<1	1.52	0.007	0.05	0.2	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
1222569	Soil	24	0.52	166	0.019	<1	1.60	0.005	0.06	0.3	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1222570	Soil	25	0.51	157	0.022	1	1.55	0.004	0.06	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1222571	Soil	24	0.42	143	0.025	1	1.37	0.004	0.04	0.2	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
1222572	Soil	27	0.46	149	0.017	<1	1.55	0.005	0.05	0.1	0.03	2.6	0.2	<0.05	4	0.6	<0.2
1222573	Soil	23	0.44	145	0.026	<1	1.34	0.004	0.05	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1222574	Soil	23	0.43	142	0.031	<1	1.37	0.004	0.04	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1222575	Soil	24	0.41	137	0.036	<1	1.35	0.005	0.05	0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2

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Project: LUG+TS
Report Date: November 12, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222576	Soil		0.7	24.6	67.4	182	<0.1	19.2	6.8	267	2.40	21.5	6.7	8.8	7	0.5	0.9	0.2	28	0.05	0.018	27
1222577	Soil		0.7	22.6	39.4	100	<0.1	16.1	6.5	233	2.12	12.5	5.6	6.9	8	0.3	0.8	0.2	30	0.06	0.025	23
1222578	Soil		1.0	25.5	16.1	62	<0.1	20.4	7.2	273	2.39	9.9	2.7	6.0	10	0.2	0.6	0.2	41	0.08	0.022	20
1222579	Soil		1.0	20.9	19.9	72	<0.1	24.7	13.3	351	2.85	14.7	3.2	5.3	9	0.3	0.9	0.2	46	0.06	0.027	17
1222580	Soil		1.2	18.9	17.4	66	0.1	18.0	8.4	284	2.49	15.7	7.2	5.9	9	0.3	0.8	0.2	41	0.08	0.026	20
1222581	Soil		1.0	26.9	15.8	58	<0.1	19.0	7.4	275	2.15	12.7	2.9	5.7	11	0.1	1.0	0.2	35	0.09	0.026	25
1222582	Soil		0.8	27.9	15.0	61	<0.1	21.1	7.6	352	2.44	11.3	3.8	6.3	14	0.1	0.6	0.2	34	0.14	0.031	27
1222583	Soil		0.6	19.2	10.6	41	<0.1	17.8	6.9	172	1.97	12.5	8.4	5.3	12	<0.1	0.7	0.1	34	0.11	0.038	18
1222584	Soil		0.6	17.3	22.5	42	<0.1	16.2	7.9	204	1.91	10.3	2.5	6.4	12	0.6	0.6	0.2	34	0.11	0.017	23
1222585	Soil		0.9	11.9	13.6	41	<0.1	16.7	6.2	137	2.07	7.3	1.5	4.7	11	<0.1	0.5	0.2	43	0.09	0.018	16
1222586	Soil		0.6	15.0	16.3	42	0.1	27.3	8.6	134	2.53	9.6	1.6	6.8	16	<0.1	0.5	0.2	42	0.20	0.033	20
1222587	Soil		0.4	18.5	13.8	43	<0.1	18.9	6.3	183	2.20	12.1	5.2	9.3	12	0.2	0.8	0.2	27	0.15	0.028	32
1222588	Soil		0.5	30.2	28.9	55	0.1	32.1	12.4	340	3.03	9.5	2.2	13.4	23	0.2	0.6	0.2	26	0.31	0.023	47
1222589	Soil		0.8	20.0	41.6	56	<0.1	34.3	10.0	197	2.94	16.3	2.3	6.5	12	1.4	2.0	0.2	58	0.15	0.014	20
1222590	Soil		0.8	13.6	18.2	46	<0.1	18.5	7.3	172	2.50	8.8	3.2	9.1	11	<0.1	0.7	0.2	37	0.12	0.014	24
1222591	Soil		0.7	18.9	15.4	50	<0.1	21.1	7.4	195	2.35	7.9	8.8	9.8	9	<0.1	0.8	0.2	27	0.08	0.013	31
1222592	Soil		0.8	20.7	14.4	50	<0.1	23.1	8.2	192	2.52	12.1	2.9	6.8	9	0.1	0.9	0.2	40	0.08	0.015	21
1222593	Soil		0.5	32.2	27.2	61	<0.1	30.0	10.5	547	3.13	18.6	4.8	15.9	25	0.4	1.8	0.3	18	0.37	0.042	46
1222594	Soil		0.7	28.8	16.2	67	<0.1	29.6	9.3	295	2.87	21.5	8.0	10.9	16	<0.1	4.5	0.2	32	0.22	0.041	36
1222595	Soil		0.5	15.2	12.2	51	<0.1	17.7	6.7	220	2.06	4.9	3.0	7.1	13	<0.1	0.5	0.2	24	0.17	0.031	20
1222596	Soil		0.7	14.2	262.1	134	2.7	15.1	5.0	226	2.27	23.6	7.1	6.2	9	0.7	1.8	0.2	30	0.09	0.020	16
1222597	Soil		0.4	21.4	102.7	132	0.4	21.4	7.8	335	2.41	15.3	5.1	9.9	16	0.6	1.0	0.2	19	0.25	0.036	31
1222598	Soil		0.5	17.0	21.9	49	<0.1	19.5	7.1	331	2.03	6.8	2.1	8.4	17	0.2	0.7	0.1	25	0.24	0.026	23
1222599	Soil		0.3	43.9	19.7	77	<0.1	33.9	12.6	255	3.29	2.8	1.6	19.8	38	<0.1	0.7	0.5	8	0.20	0.023	43
1222600	Soil		0.8	25.7	16.3	72	<0.1	35.0	13.9	371	3.07	16.9	5.5	17.8	18	<0.1	1.9	0.2	27	0.27	0.023	40
1222601	Soil		0.6	34.1	24.1	72	0.2	37.5	13.8	307	3.44	114.3	18.1	16.9	43	<0.1	350.0	0.4	16	0.85	0.054	38
1222602	Soil		0.5	25.4	18.2	48	0.1	25.0	8.6	337	2.50	20.2	6.2	8.2	26	<0.1	3.1	0.3	26	0.42	0.050	25
1222603	Soil		0.7	28.2	21.1	61	0.1	26.3	9.6	426	2.58	19.6	4.9	7.1	44	0.3	4.4	0.2	30	0.81	0.049	23
1222604	Soil		0.9	27.2	19.2	61	0.1	25.3	7.8	294	2.41	12.7	6.2	8.8	24	<0.1	2.2	0.2	32	0.34	0.039	23
1222605	Soil		0.8	20.2	16.0	43	<0.1	16.2	5.4	180	1.96	8.7	3.7	5.4	17	<0.1	1.1	0.1	32	0.18	0.029	21

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222576	Soil	20	0.37	114	0.019	1	1.31	0.004	0.04	0.1	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1222577	Soil	20	0.31	123	0.025	<1	1.10	0.005	0.04	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1222578	Soil	25	0.43	175	0.035	<1	1.50	0.005	0.04	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1222579	Soil	26	0.37	171	0.031	1	1.71	0.006	0.05	0.2	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1222580	Soil	25	0.42	152	0.031	<1	1.53	0.007	0.05	0.1	0.02	2.0	0.1	<0.05	5	0.6	<0.2
1222581	Soil	21	0.45	202	0.042	1	1.40	0.006	0.05	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1222582	Soil	23	0.47	272	0.039	<1	1.41	0.007	0.05	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1222583	Soil	21	0.34	162	0.039	1	1.16	0.005	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1222584	Soil	21	0.34	174	0.035	<1	1.17	0.012	0.05	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1222585	Soil	23	0.33	177	0.034	2	1.44	0.006	0.06	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1222586	Soil	33	0.38	242	0.022	<1	2.00	0.006	0.04	0.2	0.04	3.3	0.1	<0.05	5	<0.5	<0.2
1222587	Soil	19	0.30	205	0.014	<1	1.17	0.006	0.05	0.1	0.03	2.9	0.1	<0.05	3	<0.5	<0.2
1222588	Soil	22	0.39	221	0.010	<1	1.50	0.007	0.07	<0.1	0.03	4.0	0.1	<0.05	4	<0.5	<0.2
1222589	Soil	149	0.99	149	0.030	<1	1.88	0.020	0.05	0.1	0.02	4.8	0.2	<0.05	5	<0.5	<0.2
1222590	Soil	25	0.36	189	0.020	1	1.53	0.005	0.07	0.1	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1222591	Soil	24	0.43	162	0.018	<1	1.32	0.004	0.06	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1222592	Soil	37	0.44	179	0.025	1	1.50	0.009	0.05	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222593	Soil	22	0.39	188	0.009	<1	1.20	0.008	0.06	<0.1	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
1222594	Soil	49	0.50	245	0.016	<1	1.26	0.005	0.05	0.2	0.03	3.9	<0.1	<0.05	3	<0.5	<0.2
1222595	Soil	17	0.30	232	0.010	<1	1.26	0.004	0.05	<0.1	0.03	2.2	0.1	<0.05	3	<0.5	<0.2
1222596	Soil	21	0.30	133	0.016	3	1.25	0.005	0.06	0.1	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1222597	Soil	17	0.35	191	0.010	1	1.13	0.005	0.07	0.1	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
1222598	Soil	19	0.31	254	0.013	1	1.14	0.007	0.05	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1222599	Soil	13	0.49	123	0.002	2	0.99	0.009	0.06	<0.1	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1222600	Soil	66	0.40	140	0.008	2	0.79	0.004	0.06	0.1	0.02	4.4	<0.1	<0.05	2	<0.5	<0.2
1222601	Soil	38	0.30	118	0.004	2	0.68	0.004	0.05	0.1	0.03	2.9	<0.1	<0.05	2	<0.5	<0.2
1222602	Soil	20	0.31	193	0.016	<1	1.07	0.007	0.04	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1222603	Soil	24	0.33	258	0.027	3	1.15	0.008	0.05	0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
1222604	Soil	29	0.34	276	0.029	<1	1.18	0.008	0.06	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
1222605	Soil	21	0.32	259	0.031	<1	1.10	0.010	0.04	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2

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

Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	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
1222606	Soil	0.6	21.1	13.2	48	<0.1	20.1	7.2	208	2.18	6.7	6.1	11.2	8	<0.1	1.2	0.2	20	0.07	0.021	37
1222607	Soil	0.5	14.1	9.5	38	<0.1	13.4	4.6	159	1.65	6.0	2.6	5.9	6	<0.1	0.7	0.1	15	0.03	0.016	19
1222608	Soil	0.6	14.6	12.8	34	<0.1	10.0	3.9	111	1.77	4.9	2.3	9.5	5	<0.1	1.5	0.2	19	0.04	0.017	34
1222609	Soil	0.6	16.5	8.7	40	<0.1	15.4	5.0	130	1.77	8.5	2.8	4.8	9	<0.1	0.7	0.1	30	0.08	0.023	15
1222610	Soil	0.5	19.5	10.6	35	<0.1	13.6	6.6	225	1.76	6.8	2.0	6.3	8	<0.1	0.7	0.1	24	0.07	0.017	22
1222611	Soil	0.7	25.6	29.5	315	<0.1	25.9	13.6	498	2.75	28.1	12.3	10.3	15	2.2	0.9	0.3	34	0.11	0.017	25
1222612	Soil	1.1	11.7	87.4	274	0.2	15.8	6.2	490	2.71	121.9	4.4	6.4	7	1.8	0.8	0.4	43	0.06	0.031	24
1222613	Soil	1.1	10.1	56.4	129	0.2	14.5	8.6	382	2.76	18.8	1.7	4.1	14	1.0	0.7	0.2	51	0.11	0.045	14
1222614	Soil	0.6	12.5	19.8	60	<0.1	13.6	4.3	144	2.06	12.7	1.9	1.2	12	0.7	0.6	0.2	37	0.11	0.050	13
1222615	Soil	0.7	18.1	78.4	157	0.5	19.8	7.8	337	2.34	20.5	1.9	2.5	15	0.9	0.7	0.2	37	0.13	0.042	22
1222616	Soil	0.8	23.4	81.1	138	0.3	20.9	11.1	511	2.31	30.0	3.8	6.0	12	1.0	0.7	0.2	34	0.10	0.048	22
1222617	Soil	0.6	18.7	24.5	77	<0.1	17.2	7.3	248	2.28	12.7	3.0	7.3	9	0.5	0.6	0.2	29	0.07	0.033	29
1222618	Soil	0.6	21.0	15.7	64	<0.1	20.0	8.8	326	2.12	15.1	3.6	6.5	11	0.4	0.9	0.2	31	0.08	0.030	28
1222619	Soil	0.7	19.6	15.8	57	<0.1	17.8	9.4	278	2.38	13.0	3.3	6.3	13	0.1	0.8	0.2	37	0.10	0.029	22
1222620	Soil	0.9	24.5	15.3	62	<0.1	21.1	11.1	362	2.57	13.5	5.1	7.0	12	0.2	0.8	0.2	44	0.10	0.039	24
1222621	Soil	0.9	21.1	15.2	48	0.2	16.2	6.2	256	2.14	11.7	2.8	4.4	13	0.2	0.5	0.2	36	0.11	0.054	23
1222622	Soil	0.7	21.5	12.3	53	<0.1	18.4	7.6	335	2.22	9.5	3.3	5.2	12	<0.1	0.8	0.2	32	0.10	0.030	25
1222623	Soil	0.7	21.0	12.9	52	<0.1	18.9	8.7	317	2.52	11.8	2.2	5.0	11	<0.1	0.7	0.2	37	0.09	0.032	28
1222624	Soil	0.9	18.1	11.5	47	<0.1	17.4	7.7	277	2.46	11.5	12.0	3.9	11	0.1	0.6	0.2	44	0.10	0.034	16
1222625	Soil	0.7	24.3	9.2	52	<0.1	20.4	8.1	315	2.18	12.5	9.6	5.4	12	<0.1	0.8	0.2	36	0.09	0.024	23
1222626	Soil	1.0	29.7	11.9	62	<0.1	24.1	9.7	368	2.62	13.6	2.2	5.4	19	0.1	0.9	0.2	48	0.15	0.038	20
1222627	Soil	0.9	16.1	11.9	46	<0.1	16.7	7.0	226	2.23	11.0	3.6	4.2	9	<0.1	0.6	0.2	41	0.07	0.024	19
1222628	Soil	0.8	20.4	12.5	54	<0.1	19.4	7.7	313	2.43	19.0	2.6	5.6	11	0.1	0.7	0.2	40	0.08	0.028	22
1222629	Soil	0.8	16.8	11.7	50	<0.1	15.4	6.5	317	2.06	12.6	1.6	0.9	10	0.2	0.6	0.2	37	0.11	0.067	17
1222630	Soil	1.0	18.1	13.8	50	<0.1	15.4	5.9	279	2.18	15.5	5.1	0.9	11	0.1	0.7	0.3	35	0.10	0.072	19
1222631	Soil	1.1	17.1	14.1	51	0.2	15.9	7.9	533	2.24	70.7	8.3	3.3	14	0.1	1.1	0.3	30	0.10	0.042	18
1222632	Soil	0.7	14.7	12.3	53	<0.1	15.0	6.1	291	2.10	15.5	1.1	3.3	10	0.1	0.9	0.2	31	0.11	0.054	18
1222633	Soil	0.7	18.4	12.0	48	<0.1	16.6	7.0	334	2.25	22.5	3.3	7.6	11	<0.1	0.9	0.2	27	0.10	0.025	25
1222634	Soil	0.8	12.3	13.1	45	<0.1	13.1	6.0	298	2.05	32.2	19.0	2.0	13	<0.1	0.9	0.2	30	0.14	0.045	17
1222635	Soil	0.8	15.8	12.5	46	<0.1	12.7	5.2	206	2.14	15.8	2.5	6.4	10	<0.1	0.7	0.2	34	0.07	0.025	21

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222606	Soil	16	0.38	145	0.015	1	0.97	0.004	0.06	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1222607	Soil	11	0.23	72	0.017	2	0.72	0.003	0.04	0.1	0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
1222608	Soil	14	0.21	84	0.012	<1	0.89	0.004	0.05	<0.1	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1222609	Soil	20	0.36	119	0.032	<1	1.15	0.005	0.04	0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1222610	Soil	17	0.27	163	0.026	<1	0.98	0.005	0.04	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1222611	Soil	26	0.51	205	0.033	<1	1.63	0.007	0.10	0.1	0.02	3.2	0.2	<0.05	5	0.7	<0.2
1222612	Soil	22	0.44	73	0.026	1	1.26	0.004	0.10	0.1	<0.01	1.4	0.2	<0.05	6	<0.5	<0.2
1222613	Soil	25	0.40	219	0.037	1	1.60	0.012	0.04	0.2	0.02	2.5	0.1	<0.05	5	0.6	<0.2
1222614	Soil	21	0.32	110	0.026	4	1.21	0.005	0.04	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222615	Soil	24	0.48	173	0.031	3	1.35	0.007	0.05	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1222616	Soil	23	0.48	169	0.031	1	1.38	0.006	0.06	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1222617	Soil	20	0.42	104	0.021	2	1.37	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222618	Soil	21	0.46	144	0.028	1	1.35	0.007	0.05	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1222619	Soil	21	0.46	222	0.037	1	1.51	0.006	0.05	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1222620	Soil	28	0.49	234	0.040	2	1.79	0.007	0.06	0.2	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
1222621	Soil	24	0.38	157	0.028	3	1.45	0.006	0.04	0.2	0.02	2.2	0.1	<0.05	5	0.6	<0.2
1222622	Soil	21	0.38	212	0.038	1	1.24	0.005	0.05	0.2	0.01	2.2	<0.1	<0.05	4	0.6	<0.2
1222623	Soil	23	0.48	172	0.029	<1	1.50	0.005	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222624	Soil	27	0.41	142	0.041	<1	1.54	0.007	0.05	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1222625	Soil	22	0.45	186	0.041	2	1.34	0.006	0.05	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
1222626	Soil	28	0.55	319	0.050	2	1.72	0.009	0.07	0.2	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
1222627	Soil	24	0.40	161	0.031	2	1.44	0.009	0.03	0.2	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1222628	Soil	28	0.44	210	0.034	1	1.63	0.019	0.05	0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
1222629	Soil	23	0.35	118	0.021	<1	1.39	0.004	0.04	0.2	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2
1222630	Soil	21	0.38	160	0.018	2	1.38	0.005	0.05	0.2	0.03	1.2	0.1	<0.05	4	0.8	<0.2
1222631	Soil	21	0.34	147	0.011	<1	1.28	0.006	0.06	0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222632	Soil	20	0.40	122	0.023	<1	1.18	0.009	0.05	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1222633	Soil	19	0.32	162	0.013	<1	1.19	0.005	0.05	0.2	0.03	2.0	<0.1	<0.05	3	0.5	<0.2
1222634	Soil	18	0.33	158	0.014	<1	1.12	0.005	0.05	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222635	Soil	21	0.36	165	0.023	<1	1.33	0.006	0.05	0.2	0.03	3.0	0.1	<0.05	4	0.8	<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
1222636	Soil	0.6	14.5	18.2	40	<0.1	11.7	4.8	185	1.77	19.3	3.3	4.7	11	<0.1	0.8	0.2	23	0.11	0.045	22
1222637	Soil	0.6	15.4	12.9	43	<0.1	13.8	5.3	184	1.82	11.7	1.7	5.0	12	<0.1	0.6	0.2	25	0.10	0.041	21
1222638	Soil	0.8	16.2	14.9	50	<0.1	16.9	5.9	201	2.25	11.4	4.0	7.1	8	<0.1	0.7	0.3	24	0.06	0.028	26
1222639	Soil	0.6	16.3	13.2	49	<0.1	14.9	5.6	190	2.03	8.1	3.3	4.5	17	<0.1	0.6	0.2	26	0.17	0.038	22
1222640	Soil	0.6	12.6	10.7	41	<0.1	13.2	4.9	162	1.73	7.2	2.5	3.2	18	<0.1	0.5	0.2	26	0.19	0.044	17
1222641	Soil	0.8	20.6	16.1	54	0.1	17.4	6.8	260	2.26	14.2	3.9	7.3	11	0.1	0.7	0.2	30	0.08	0.026	27
1222642	Soil	0.6	14.2	25.9	51	<0.1	13.4	5.6	190	1.83	22.7	2.2	9.4	11	0.2	1.0	0.2	22	0.08	0.028	28
1222643	Soil	0.6	17.1	20.3	58	0.2	16.5	6.2	228	2.05	10.8	<0.5	8.1	19	<0.1	0.8	0.2	21	0.19	0.041	28
1222644	Soil	0.7	20.4	13.8	53	<0.1	17.8	6.8	289	2.12	10.7	2.2	4.6	14	0.1	1.0	0.2	28	0.13	0.038	24
1222645	Soil	0.6	21.3	14.4	54	<0.1	19.2	6.3	274	2.23	10.2	0.7	8.8	16	<0.1	1.5	0.2	24	0.22	0.036	30
1222646	Soil	0.7	19.5	17.9	47	<0.1	20.2	5.8	215	2.13	12.2	3.0	10.4	17	<0.1	14.5	0.2	21	0.18	0.018	30
1222647	Soil	0.5	18.6	19.0	51	<0.1	21.1	7.8	401	2.17	17.0	2.1	12.0	15	<0.1	15.1	0.2	14	0.28	0.037	31
1222648	Soil	0.6	23.3	25.4	62	0.1	26.0	9.7	382	2.91	8.6	3.4	12.0	32	0.1	3.7	0.4	23	0.70	0.035	28
1222649	Soil	0.5	26.1	42.1	76	0.1	33.4	13.7	268	2.92	37.2	13.4	22.2	25	0.1	11.5	0.3	5	0.36	0.030	49
1222650	Soil	0.3	31.2	27.4	74	<0.1	30.7	12.9	352	3.15	13.0	1.8	26.6	25	<0.1	5.0	0.4	5	0.48	0.035	54
1222651	Soil	0.7	8.2	17.1	34	0.1	9.4	3.4	151	1.81	10.3	3.6	0.6	10	0.2	0.5	0.2	28	0.09	0.041	11
1222652	Soil	0.9	25.6	19.6	62	0.2	22.0	12.6	769	2.95	14.1	1.4	4.4	14	0.1	0.9	0.3	28	0.12	0.063	21
1222653	Soil	0.8	25.1	23.4	64	0.4	23.8	7.9	252	2.63	18.6	3.4	5.2	12	0.1	0.5	0.3	32	0.11	0.052	23
1222654	Soil	1.0	28.7	15.9	66	0.2	22.4	7.9	256	2.64	13.3	3.3	2.6	11	0.1	0.6	0.2	38	0.11	0.060	19
1222655	Soil	0.9	26.7	16.4	62	0.3	20.5	10.8	455	2.37	13.5	0.9	1.5	10	0.1	0.5	0.2	35	0.09	0.059	16

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222636	Soil	15	0.26	136	0.013	<1	0.91	0.005	0.05	0.1	0.02	1.4	<0.1	<0.05	3	0.5	<0.2
1222637	Soil	17	0.33	180	0.015	<1	1.02	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1222638	Soil	18	0.39	97	0.012	<1	1.29	0.004	0.05	0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1222639	Soil	17	0.37	198	0.023	<1	1.20	0.006	0.05	0.2	0.01	1.5	<0.1	<0.05	4	1.1	<0.2
1222640	Soil	17	0.33	177	0.018	<1	1.03	0.006	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222641	Soil	21	0.38	185	0.019	<1	1.25	0.007	0.05	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222642	Soil	15	0.29	132	0.016	<1	1.04	0.005	0.06	0.1	0.01	1.4	<0.1	<0.05	3	0.6	<0.2
1222643	Soil	18	0.40	178	0.011	<1	1.13	0.006	0.05	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222644	Soil	17	0.34	251	0.022	<1	1.08	0.006	0.05	0.1	0.02	2.0	<0.1	<0.05	3	0.5	<0.2
1222645	Soil	16	0.30	234	0.018	1	0.97	0.006	0.05	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1222646	Soil	18	0.27	249	0.013	<1	1.00	0.006	0.05	0.1	0.03	2.8	<0.1	<0.05	3	0.5	<0.2
1222647	Soil	12	0.24	213	0.008	1	0.86	0.005	0.06	<0.1	0.02	1.9	<0.1	<0.05	2	0.6	<0.2
1222648	Soil	16	0.32	216	0.013	1	1.05	0.009	0.06	0.1	0.03	2.2	<0.1	<0.05	3	0.6	<0.2
1222649	Soil	7	0.13	100	<0.001	1	0.42	0.004	0.15	<0.1	0.02	1.3	<0.1	<0.05	1	0.6	<0.2
1222650	Soil	7	0.25	80	0.001	1	0.53	0.004	0.13	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
1222651	Soil	16	0.24	67	0.015	1	0.87	0.004	0.03	0.2	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
1222652	Soil	22	0.46	239	0.008	<1	1.43	0.006	0.05	0.2	0.04	2.0	<0.1	<0.05	4	0.5	<0.2
1222653	Soil	25	0.48	177	0.014	<1	1.58	0.005	0.05	0.3	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
1222654	Soil	25	0.45	165	0.018	<1	1.56	0.005	0.05	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1222655	Soil	23	0.40	146	0.015	<1	1.41	0.005	0.05	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2

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

Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

	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																					
1205467	Soil	0.8	13.9	9.5	40	<0.1	16.2	6.5	153	2.15	14.9	5.2	4.2	8	0.1	0.9	0.2	36	0.06	0.025	11
REP 1205467	QC	0.7	13.5	9.5	40	<0.1	15.5	6.3	151	2.14	14.6	3.7	4.1	8	0.2	0.7	0.2	35	0.06	0.026	11
1205469	Soil	1.3	13.8	21.2	66	0.3	21.8	6.7	431	2.31	10.0	3.1	5.6	28	0.2	0.5	0.2	37	0.18	0.034	16
REP 1205469	QC	1.2	13.8	19.6	65	0.3	21.5	6.7	424	2.31	10.0	1.5	5.7	29	0.3	0.5	0.2	39	0.18	0.035	16
1222271	Soil	0.7	17.4	9.5	47	<0.1	14.7	5.2	131	1.97	9.1	3.3	2.9	19	<0.1	0.6	0.2	34	0.22	0.062	14
REP 1222271	QC	0.6	17.7	9.2	49	<0.1	15.5	5.2	130	1.96	9.0	8.4	2.8	19	<0.1	0.7	0.2	35	0.22	0.063	14
1222287	Soil	1.0	18.5	16.4	58	<0.1	23.6	9.3	409	2.43	8.5	0.6	8.1	16	<0.1	4.7	0.2	23	0.23	0.038	28
REP 1222287	QC	1.1	18.7	16.8	58	0.1	24.7	9.6	427	2.45	8.9	1.5	8.1	16	<0.1	4.1	0.2	24	0.24	0.038	29
1222303	Soil	0.7	8.6	18.0	35	<0.1	8.5	2.9	130	1.75	8.4	0.7	0.9	10	0.2	0.6	0.8	37	0.04	0.023	15
REP 1222303	QC	0.7	8.4	18.0	36	<0.1	8.6	3.0	130	1.72	8.7	2.6	1.0	10	0.2	0.6	0.8	36	0.04	0.024	15
1222311	Soil	0.8	26.5	10.8	63	<0.1	17.8	7.2	238	2.07	41.1	2.1	4.3	12	0.2	0.6	0.2	32	0.15	0.058	13
REP 1222311	QC	0.7	26.0	10.5	62	<0.1	17.4	7.1	232	2.00	40.9	4.4	4.6	12	0.2	0.6	0.2	33	0.14	0.057	13
1222325	Soil	0.9	17.0	14.3	47	<0.1	14.2	5.2	196	1.95	9.7	6.5	0.9	12	0.2	0.5	0.2	38	0.10	0.039	13
REP 1222325	QC	0.9	17.3	13.7	46	<0.1	14.4	5.3	194	1.95	9.7	1.3	0.7	12	0.2	0.6	0.3	39	0.09	0.037	12
1222348	Soil	0.7	23.8	16.5	92	<0.1	21.6	9.2	352	2.53	17.2	4.6	4.9	8	0.1	0.5	0.2	31	0.06	0.037	24
REP 1222348	QC	0.8	25.6	17.5	93	<0.1	23.8	9.8	361	2.68	18.8	3.1	4.9	8	0.2	0.6	0.2	32	0.06	0.039	25
1222365	Soil	0.7	17.6	19.0	44	0.1	19.7	7.6	186	2.57	21.9	5.4	5.8	9	0.2	0.5	0.2	41	0.08	0.019	16
REP 1222365	QC	0.8	17.7	16.9	44	<0.1	18.3	7.7	183	2.60	21.1	4.2	5.8	8	<0.1	0.5	0.2	41	0.07	0.017	16
1222379	Soil	0.9	16.1	12.1	49	<0.1	14.4	5.7	159	1.86	10.6	3.7	2.5	10	<0.1	0.5	0.2	30	0.11	0.046	14
REP 1222379	QC	0.7	15.6	11.8	49	<0.1	14.7	5.6	153	1.82	10.9	14.3	2.4	10	0.1	0.4	0.2	30	0.12	0.044	13
1222409	Soil	0.9	14.8	15.9	59	<0.1	15.8	7.8	279	2.13	11.4	53.4	1.2	12	0.1	0.6	0.3	35	0.07	0.042	17
REP 1222409	QC	0.9	14.3	15.2	59	<0.1	15.8	7.9	283	2.15	11.4	1.7	1.2	12	0.1	0.6	0.4	36	0.07	0.042	18
1222422	Soil	0.8	19.3	10.3	45	<0.1	15.4	4.9	151	2.06	14.4	14.0	4.0	10	0.3	0.5	0.2	38	0.08	0.029	14
REP 1222422	QC	0.8	18.9	10.0	44	<0.1	14.6	4.9	143	2.01	14.3	7.1	4.0	10	0.3	0.4	0.2	37	0.08	0.030	14
1222445	Soil	0.7	17.4	14.1	46	<0.1	15.1	6.1	201	1.95	19.3	4.6	1.0	9	<0.1	0.4	0.2	33	0.08	0.045	17
REP 1222445	QC	0.8	17.4	14.1	43	<0.1	14.8	6.1	198	1.95	19.3	4.8	1.1	9	0.2	0.4	0.2	32	0.09	0.047	16
1222565	Soil	1.0	15.9	63.0	82	0.5	15.9	7.3	289	2.55	45.9	4.5	5.6	12	0.4	0.7	0.3	44	0.09	0.024	16
REP 1222565	QC	1.1	16.3	62.9	84	0.5	15.7	7.4	297	2.64	47.5	2.0	5.5	12	0.3	0.6	0.3	46	0.10	0.024	16

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Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1205467	Soil	21	0.32	99	0.033	<1	1.26	0.005	0.04	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1205467	QC	20	0.32	98	0.031	<1	1.24	0.005	0.04	0.2	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1205469	Soil	29	0.34	170	0.017	<1	1.15	0.007	0.04	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
REP 1205469	QC	28	0.35	169	0.020	<1	1.19	0.008	0.04	0.2	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
1222271	Soil	21	0.40	204	0.029	<1	1.24	0.007	0.04	0.2	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
REP 1222271	QC	20	0.41	206	0.029	<1	1.28	0.006	0.04	0.2	0.05	2.2	<0.1	<0.05	3	<0.5	<0.2
1222287	Soil	21	0.54	175	0.010	1	1.32	0.006	0.07	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1222287	QC	22	0.55	179	0.011	<1	1.33	0.006	0.07	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222303	Soil	16	0.21	68	0.019	1	0.86	0.004	0.03	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
REP 1222303	QC	15	0.22	69	0.019	1	0.93	0.003	0.03	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
1222311	Soil	20	0.35	105	0.027	<1	1.06	0.006	0.05	0.5	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 1222311	QC	20	0.34	107	0.027	1	1.05	0.005	0.05	0.5	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1222325	Soil	19	0.28	113	0.019	<1	1.12	0.006	0.04	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
REP 1222325	QC	19	0.27	109	0.019	1	1.14	0.005	0.04	0.2	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1222348	Soil	31	0.40	115	0.022	<1	1.18	0.004	0.05	0.1	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
REP 1222348	QC	32	0.42	121	0.022	<1	1.23	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	3	0.8	<0.2
1222365	Soil	24	0.32	153	0.035	<1	1.55	0.007	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1222365	QC	23	0.33	150	0.034	2	1.56	0.008	0.04	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1222379	Soil	20	0.33	132	0.037	<1	1.07	0.005	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1222379	QC	19	0.32	131	0.028	<1	1.03	0.006	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1222409	Soil	21	0.31	116	0.020	<1	1.10	0.005	0.04	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1222409	QC	21	0.31	115	0.023	<1	1.11	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222422	Soil	18	0.26	91	0.039	1	0.96	0.005	0.06	0.4	0.02	1.4	<0.1	<0.05	4	0.6	<0.2
REP 1222422	QC	19	0.26	90	0.037	<1	0.91	0.005	0.06	0.4	0.03	1.4	<0.1	<0.05	4	0.7	<0.2
1222445	Soil	21	0.36	129	0.022	<1	1.22	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
REP 1222445	QC	22	0.36	125	0.021	<1	1.20	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	0.6	<0.2
1222565	Soil	25	0.39	183	0.027	2	1.62	0.005	0.05	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
REP 1222565	QC	26	0.38	184	0.029	2	1.62	0.005	0.05	0.1	0.04	2.4	0.2	<0.05	5	<0.5	<0.2

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Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

		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
1222583	Soil	0.6	19.2	10.6	41	<0.1	17.8	6.9	172	1.97	12.5	8.4	5.3	12	<0.1	0.7	0.1	34	0.11	0.038	18
REP 1222583	QC	0.6	19.6	15.9	43	<0.1	17.9	7.0	176	1.98	12.7	3.8	5.1	12	0.4	0.7	0.1	35	0.13	0.037	18
1222604	Soil	0.9	27.2	19.2	61	0.1	25.3	7.8	294	2.41	12.7	6.2	8.8	24	<0.1	2.2	0.2	32	0.34	0.039	23
REP 1222604	QC	1.0	28.7	19.4	64	0.1	25.3	8.2	300	2.58	12.1	1.7	8.9	25	0.1	2.4	0.2	32	0.33	0.039	23
1222614	Soil	0.6	12.5	19.8	60	<0.1	13.6	4.3	144	2.06	12.7	1.9	1.2	12	0.7	0.6	0.2	37	0.11	0.050	13
REP 1222614	QC	0.8	12.6	19.8	62	<0.1	12.9	4.0	152	1.96	13.2	2.2	1.4	12	0.6	0.5	0.2	37	0.12	0.053	13
1222640	Soil	0.6	12.6	10.7	41	<0.1	13.2	4.9	162	1.73	7.2	2.5	3.2	18	<0.1	0.5	0.2	26	0.19	0.044	17
REP 1222640	QC	0.7	13.8	11.1	46	<0.1	13.5	5.3	172	1.85	8.1	0.9	3.3	20	<0.1	0.5	0.2	28	0.22	0.047	18
Reference Materials																					
STD DS8	Standard	12.7	105.4	130.6	306	1.8	35.3	7.1	598	2.38	24.7	112.0	6.5	68	2.6	5.4	6.3	41	0.66	0.079	15
STD DS8	Standard	12.9	101.0	133.9	317	1.9	35.5	7.0	616	2.51	26.2	113.9	7.3	79	2.3	6.6	7.7	40	0.69	0.081	16
STD DS8	Standard	12.4	111.3	123.8	303	1.8	34.7	6.9	561	2.32	24.6	102.6	6.6	66	2.2	5.7	7.4	38	0.65	0.075	14
STD DS8	Standard	12.0	101.4	124.7	308	1.8	35.8	6.9	611	2.46	25.5	105.8	6.8	77	2.1	6.4	7.2	41	0.71	0.079	16
STD DS8	Standard	12.3	102.0	123.7	293	1.7	36.1	6.8	582	2.32	24.7	103.0	6.7	72	2.3	5.9	7.0	38	0.64	0.075	15
STD DS8	Standard	13.1	110.4	123.5	305	1.9	37.6	7.6	615	2.43	25.4	157.1	6.7	70	2.4	6.1	6.6	41	0.65	0.082	15
STD DS8	Standard	12.9	100.4	125.0	290	1.9	33.7	6.7	600	2.39	23.7	122.6	6.9	72	2.4	6.0	7.3	40	0.70	0.081	16
STD DS8	Standard	11.2	111.0	127.4	303	1.8	36.4	7.2	576	2.36	25.0	120.1	6.3	62	2.3	5.0	6.2	41	0.61	0.078	12
STD DS8	Standard	12.3	107.8	127.7	304	1.9	36.2	7.2	599	2.60	24.8	108.4	6.8	65	2.7	5.2	6.2	41	0.67	0.077	15
STD DS8	Standard	12.4	105.2	126.1	307	1.9	37.1	7.1	583	2.60	23.9	106.3	7.0	64	2.2	5.0	5.8	40	0.67	0.081	14
STD DS8	Standard	12.6	109.0	121.0	332	1.8	36.7	7.3	565	2.33	22.7	157.7	6.3	80	2.2	8.0	8.2	41	0.62	0.094	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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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+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1222583	Soil	21	0.34	162	0.039	1	1.16	0.005	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
REP 1222583	QC	22	0.34	165	0.041	1	1.13	0.008	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1222604	Soil	29	0.34	276	0.029	<1	1.18	0.008	0.06	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
REP 1222604	QC	28	0.36	278	0.031	2	1.22	0.008	0.06	0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
1222614	Soil	21	0.32	110	0.026	4	1.21	0.005	0.04	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
REP 1222614	QC	20	0.30	107	0.023	2	1.14	0.005	0.04	0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
1222640	Soil	17	0.33	177	0.018	<1	1.03	0.006	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1222640	QC	17	0.36	185	0.018	<1	1.10	0.006	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	112	0.60	272	0.114	2	0.92	0.097	0.41	2.8	0.23	2.1	5.4	0.15	5	5.2	4.6
STD DS8	Standard	111	0.62	287	0.117	3	0.95	0.117	0.46	3.1	0.21	2.7	5.5	0.13	5	6.3	5.1
STD DS8	Standard	107	0.58	264	0.106	3	0.87	0.097	0.42	2.8	0.20	2.6	5.4	0.18	5	4.8	4.7
STD DS8	Standard	112	0.61	288	0.123	3	0.96	0.108	0.44	3.2	0.21	2.7	5.2	0.14	5	4.9	5.5
STD DS8	Standard	110	0.58	278	0.118	2	0.86	0.086	0.39	3.1	0.19	2.3	5.2	0.13	5	4.9	4.7
STD DS8	Standard	116	0.61	289	0.115	3	0.90	0.093	0.40	3.1	0.21	2.4	5.7	0.20	5	4.7	4.8
STD DS8	Standard	109	0.66	285	0.113	2	0.97	0.093	0.40	3.0	0.17	2.0	5.1	0.13	5	3.7	4.8
STD DS8	Standard	112	0.58	234	0.099	2	0.84	0.084	0.40	2.8	0.22	2.1	5.4	0.14	4	4.6	4.5
STD DS8	Standard	114	0.62	276	0.119	2	0.89	0.097	0.41	3.0	0.19	2.3	5.4	0.19	5	4.2	5.0
STD DS8	Standard	114	0.63	272	0.114	2	0.89	0.087	0.41	3.0	0.21	2.1	5.2	0.14	5	5.8	5.4
STD DS8	Standard	112	0.57	249	0.133	2	0.83	0.075	0.36	2.7	0.18	2.4	5.2	0.16	5	4.9	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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

Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

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

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Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

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

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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: September 29, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001046.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUGTS(43-61)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	318	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222656	Soil		0.9	27.5	13.3	68	0.2	22.9	10.3	341	2.24	12.4	25.0	4.6	12	0.2	0.7	0.2	35	0.15	0.074	16
1222657	Soil		1.0	18.8	14.7	53	<0.1	15.6	5.5	193	2.22	13.6	1.5	0.8	9	<0.1	0.6	0.2	38	0.09	0.061	12
1222658	Soil		0.8	19.3	11.5	45	0.1	14.6	4.9	145	2.00	11.1	1.3	0.6	10	<0.1	0.5	0.2	37	0.10	0.066	12
1222659	Soil		1.0	26.5	15.3	61	0.2	19.6	7.3	240	2.41	14.7	<0.5	1.8	11	0.1	0.6	0.2	34	0.13	0.058	16
1222660	Soil		0.8	28.0	12.5	62	0.1	21.3	9.2	333	2.50	12.4	6.1	3.5	13	0.2	0.7	0.2	30	0.12	0.058	16
1222661	Soil		0.8	24.4	11.8	57	0.1	18.5	8.3	278	2.17	14.5	1.2	2.0	10	0.1	0.6	0.1	32	0.11	0.055	17
1222662	Soil		1.0	17.4	10.1	57	<0.1	16.8	6.5	205	2.02	11.3	0.5	1.0	9	0.2	0.6	0.2	36	0.11	0.059	15
1222663	Soil		0.9	22.4	10.2	59	0.1	19.7	7.5	270	2.20	11.4	7.2	1.2	10	0.1	0.6	0.1	36	0.11	0.060	16
1222664	Soil		1.0	19.4	10.9	50	<0.1	15.8	6.0	171	2.20	12.0	<0.5	0.9	9	<0.1	0.5	0.2	40	0.10	0.063	14
1222665	Soil		1.1	26.6	11.8	56	0.1	17.9	8.2	267	2.50	12.3	3.0	5.8	13	0.2	0.6	0.3	34	0.12	0.049	23
1222666	Soil		0.8	21.9	16.6	54	<0.1	18.9	7.3	253	2.03	18.7	1.2	4.3	12	0.2	0.6	0.2	31	0.15	0.058	16
1222667	Soil		1.1	29.7	13.3	57	0.1	20.2	7.1	180	2.67	21.4	2.3	3.1	12	0.1	0.6	0.2	37	0.08	0.044	18
1222668	Soil		1.2	9.8	12.0	29	<0.1	9.0	3.6	109	2.07	13.4	3.1	1.6	8	<0.1	0.5	0.2	51	0.05	0.030	11
1222669	Soil		1.1	18.1	16.7	27	0.1	11.8	4.1	74	2.10	13.4	1.6	0.3	10	0.3	0.4	0.2	39	0.07	0.067	12
1222670	Soil		1.0	27.1	22.1	59	0.1	14.4	6.2	173	2.95	17.6	2.2	4.6	14	0.2	0.5	0.4	28	0.07	0.051	25
1222671	Soil		0.9	19.5	16.3	44	<0.1	14.3	5.3	177	2.78	33.3	4.0	2.4	11	0.1	0.6	0.3	36	0.08	0.042	16
1222672	Soil		1.6	22.9	22.2	35	0.7	7.3	3.0	122	2.46	223.1	5.3	7.2	13	<0.1	0.5	0.4	30	0.03	0.047	32
1222673	Soil		1.1	31.6	17.4	58	0.2	15.0	6.1	179	2.98	12.9	2.2	3.6	13	0.1	0.5	0.4	32	0.05	0.053	20
1222674	Soil		1.4	19.8	19.9	57	<0.1	16.0	6.9	267	2.90	14.5	2.9	1.8	12	0.1	0.7	0.3	45	0.09	0.054	15
1222675	Soil		1.1	37.8	24.2	66	0.3	21.1	9.7	284	3.09	17.9	10.5	5.8	15	0.2	0.7	0.4	37	0.11	0.055	17
1222676	Soil		1.0	32.3	16.9	66	<0.1	20.5	8.6	199	3.25	13.4	2.6	6.9	11	0.2	0.6	0.3	36	0.07	0.041	21
1222677	Soil		1.0	25.4	15.9	55	<0.1	18.6	8.0	183	2.61	12.2	2.9	2.2	10	0.1	0.5	0.2	37	0.10	0.047	19
1222678	Soil		1.0	21.2	27.4	30	0.5	15.5	4.0	65	1.36	6.8	1.6	0.4	19	0.3	0.3	0.2	15	0.14	0.084	15
1222679	Soil		1.1	23.5	14.1	67	<0.1	24.3	8.7	239	2.72	10.2	0.7	4.6	12	0.2	0.6	0.2	34	0.13	0.054	18
1222680	Soil		0.8	21.4	24.8	63	<0.1	21.3	8.9	238	2.69	11.8	1.4	6.3	9	<0.1	0.6	0.2	30	0.06	0.033	18
1222681	Soil		0.9	39.7	22.6	75	0.1	25.0	10.5	178	3.91	9.2	4.7	12.5	10	0.1	0.5	0.3	33	0.04	0.032	20
1222682	Soil		1.2	13.0	14.6	33	0.3	10.0	4.7	154	2.97	10.9	0.8	3.1	7	0.2	0.6	0.2	52	0.06	0.036	11
1222683	Soil		1.7	20.6	24.5	59	0.1	21.5	11.2	448	2.78	16.8	1.6	1.7	8	0.2	0.7	0.2	36	0.09	0.060	15
1222684	Soil		0.8	18.4	14.4	63	0.1	24.8	9.7	241	2.99	12.6	<0.5	4.8	8	0.2	0.6	0.2	35	0.08	0.028	18
1222685	Soil		0.8	24.9	16.4	76	<0.1	30.8	14.2	267	3.45	12.9	<0.5	5.7	11	<0.1	0.4	0.2	37	0.07	0.036	22

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222656	Soil		22	0.37	112	0.030	1	1.10	0.006	0.04	0.6	0.02	2.3	<0.1	0.06	3	0.7	<0.2
1222657	Soil		23	0.37	104	0.022	3	1.16	0.005	0.04	0.4	0.02	1.2	<0.1	0.08	4	0.7	<0.2
1222658	Soil		22	0.32	95	0.013	1	1.16	0.004	0.03	0.3	0.05	0.8	0.1	0.06	4	<0.5	<0.2
1222659	Soil		23	0.40	100	0.023	2	1.27	0.004	0.04	0.2	0.03	1.4	<0.1	<0.05	4	0.9	<0.2
1222660	Soil		24	0.42	110	0.025	2	1.23	0.006	0.04	0.2	<0.01	1.6	<0.1	0.05	4	0.7	<0.2
1222661	Soil		21	0.40	106	0.024	<1	1.21	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	4	0.9	<0.2
1222662	Soil		23	0.38	97	0.022	2	1.36	0.004	0.04	0.2	0.04	1.3	<0.1	<0.05	4	1.0	<0.2
1222663	Soil		24	0.38	108	0.023	<1	1.40	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1222664	Soil		22	0.36	109	0.018	1	1.38	0.005	0.04	0.2	0.02	1.2	0.1	<0.05	5	0.5	<0.2
1222665	Soil		24	0.48	138	0.033	<1	1.33	0.006	0.05	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1222666	Soil		19	0.39	83	0.032	<1	1.01	0.005	0.04	0.2	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1222667	Soil		26	0.47	107	0.021	<1	1.56	0.006	0.05	0.2	0.03	2.0	0.1	<0.05	4	0.9	<0.2
1222668	Soil		18	0.22	100	0.023	<1	1.21	0.004	0.03	0.2	0.03	1.3	0.1	<0.05	5	0.7	<0.2
1222669	Soil		21	0.21	164	0.011	2	1.46	0.004	0.03	0.1	0.05	0.5	0.1	<0.05	5	0.8	<0.2
1222670	Soil		22	0.53	105	0.017	<1	1.72	0.006	0.05	0.1	0.01	1.5	0.1	<0.05	5	0.6	<0.2
1222671	Soil		23	0.35	76	0.027	<1	1.28	0.005	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1222672	Soil		17	0.29	51	0.017	<1	0.88	0.007	0.05	0.1	0.04	1.0	<0.1	<0.05	5	0.7	<0.2
1222673	Soil		25	0.50	101	0.013	<1	1.63	0.007	0.04	0.2	0.03	1.6	0.1	<0.05	5	0.8	<0.2
1222674	Soil		25	0.40	97	0.023	3	1.51	0.006	0.04	0.2	0.02	1.5	0.2	<0.05	5	0.9	<0.2
1222675	Soil		25	0.50	148	0.025	<1	1.55	0.009	0.06	0.2	0.03	2.4	0.1	<0.05	5	0.7	<0.2
1222676	Soil		27	0.51	140	0.022	<1	1.67	0.007	0.07	0.1	0.02	2.1	0.1	<0.05	5	0.5	<0.2
1222677	Soil		25	0.40	168	0.020	1	1.58	0.005	0.05	0.1	0.02	1.9	0.1	<0.05	4	0.8	<0.2
1222678	Soil		15	0.18	340	0.009	<1	0.94	0.006	0.05	<0.1	0.11	1.2	<0.1	0.09	3	0.8	<0.2
1222679	Soil		25	0.51	135	0.031	1	1.34	0.005	0.07	0.2	<0.01	1.8	<0.1	<0.05	4	0.8	<0.2
1222680	Soil		24	0.45	84	0.019	<1	1.39	0.004	0.07	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1222681	Soil		29	0.62	106	0.032	<1	1.93	0.005	0.16	0.1	0.02	2.1	0.2	<0.05	5	0.8	<0.2
1222682	Soil		23	0.25	90	0.029	1	1.51	0.004	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1222683	Soil		28	0.35	80	0.015	<1	1.24	0.005	0.06	0.2	0.05	1.2	<0.1	<0.05	4	0.6	<0.2
1222684	Soil		26	0.51	115	0.031	<1	1.62	0.004	0.14	0.2	0.03	2.0	0.2	<0.05	5	0.7	<0.2
1222685	Soil		30	0.62	100	0.032	<1	1.98	0.004	0.20	0.1	0.02	1.8	0.2	<0.05	6	<0.5	<0.2

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222686	Soil		1.1	24.6	13.3	62	<0.1	28.8	12.5	291	3.00	15.6	0.9	5.4	9	0.2	0.6	0.2	41	0.08	0.036	17
1222687	Soil		1.1	15.0	33.7	51	0.1	14.0	5.5	202	2.82	14.4	1.3	3.7	7	0.2	0.8	0.4	52	0.06	0.029	13
1222688	Soil		0.7	19.6	16.4	61	0.1	23.7	10.7	219	2.61	9.3	<0.5	3.5	11	0.1	0.3	0.2	30	0.09	0.037	18
1222689	Soil		1.3	18.9	14.8	59	<0.1	25.6	11.5	299	3.17	22.5	1.4	4.9	9	0.2	0.7	0.2	44	0.08	0.030	15
1222690	Soil		1.1	26.0	12.7	71	<0.1	34.1	12.5	336	3.20	15.4	1.1	4.5	12	0.2	0.6	0.2	46	0.10	0.034	15
1222691	Soil		1.2	14.9	11.4	37	<0.1	14.9	5.5	148	2.24	10.1	0.9	2.2	8	<0.1	0.6	0.3	44	0.06	0.026	14
1222692	Soil		0.7	42.2	20.6	95	<0.1	44.6	19.0	376	4.25	31.5	<0.5	8.5	14	0.2	0.4	0.4	46	0.06	0.029	21
1222693	Soil		1.1	11.5	11.3	40	<0.1	14.7	6.4	173	2.47	11.1	1.8	1.5	10	0.7	0.7	0.3	48	0.08	0.037	12
1222694	Soil		1.3	22.0	13.1	71	<0.1	26.7	9.3	377	3.22	10.5	1.9	3.5	12	0.2	0.7	0.3	57	0.11	0.039	16
1222695	Soil		1.1	12.6	16.2	44	<0.1	15.4	5.8	214	2.51	12.7	1.3	3.1	7	0.2	0.6	0.3	51	0.07	0.024	13
1222696	Soil		1.0	14.7	12.2	37	<0.1	14.4	5.6	178	1.93	7.1	0.8	0.7	9	0.2	0.5	0.2	45	0.08	0.041	16
1222697	Soil		1.0	14.1	11.0	49	<0.1	18.9	8.2	252	2.53	12.8	<0.5	2.6	9	0.2	0.8	0.2	45	0.07	0.028	13
1222698	Soil		1.1	19.4	10.6	69	<0.1	24.8	8.8	214	3.40	14.1	<0.5	4.4	12	0.2	0.6	0.2	57	0.09	0.029	15
1222699	Soil		1.5	20.7	15.6	73	0.1	20.2	6.5	226	3.40	15.3	<0.5	2.5	12	0.2	0.8	0.3	69	0.08	0.036	15
1222700	Soil		1.3	15.1	14.2	36	<0.1	12.3	4.7	190	2.05	10.6	2.2	1.6	11	0.7	1.2	0.2	53	0.09	0.025	16
1222951	Soil		0.9	17.1	8.8	44	<0.1	17.1	6.9	352	2.09	8.1	1.5	2.4	10	0.1	0.8	0.2	31	0.09	0.046	17
1222952	Soil		1.0	19.3	33.2	62	<0.1	18.9	7.0	244	2.51	43.3	0.9	1.3	10	0.3	0.8	0.2	47	0.09	0.040	13
1222953	Soil		1.0	15.5	12.9	48	<0.1	15.8	6.1	204	2.29	11.0	2.9	0.9	9	0.1	0.6	0.2	46	0.09	0.050	14
1222954	Soil		0.9	22.6	13.3	53	<0.1	20.9	8.6	254	2.35	11.4	0.5	2.1	10	0.1	0.6	0.2	38	0.12	0.064	23
1222955	Soil		1.0	29.6	12.9	60	<0.1	22.7	9.6	296	2.64	12.8	0.5	1.2	10	0.2	0.7	0.2	44	0.11	0.065	20
1222956	Soil		0.6	9.9	10.2	20	<0.1	7.2	2.1	66	1.25	7.9	1.0	0.2	6	<0.1	0.4	0.2	36	0.04	0.042	18
1222957	Soil		1.5	18.3	13.1	50	<0.1	14.5	8.6	382	3.33	12.1	<0.5	4.6	8	0.2	0.8	0.2	59	0.06	0.039	15
1222958	Soil		0.8	22.8	11.2	54	<0.1	18.8	6.7	254	2.41	12.5	1.8	1.1	8	<0.1	0.6	0.2	34	0.08	0.041	18
1222959	Soil		1.0	14.1	9.9	39	<0.1	13.8	4.5	140	2.22	11.7	0.8	0.9	8	<0.1	0.6	0.2	43	0.07	0.040	18
1222960	Soil		1.3	17.8	11.4	59	<0.1	17.6	7.6	260	2.78	11.7	0.6	1.7	11	0.1	0.6	0.2	53	0.11	0.077	15
1222961	Soil		0.7	8.6	11.9	22	<0.1	6.3	2.2	60	1.51	7.9	1.8	0.3	8	<0.1	0.3	0.2	42	0.06	0.054	12
1222962	Soil		1.1	21.6	17.1	55	<0.1	17.9	6.3	191	2.34	11.6	1.4	1.4	11	0.1	0.7	0.2	43	0.11	0.060	18
1222963	Soil		0.9	14.5	24.0	49	<0.1	15.5	5.6	177	2.38	9.4	2.7	1.6	9	<0.1	0.5	0.2	39	0.10	0.044	17
1222964	Soil		0.8	9.0	14.7	41	<0.1	10.7	4.7	141	2.50	10.5	1.2	1.3	8	<0.1	0.5	0.2	53	0.08	0.038	14
1222965	Soil		0.8	18.8	11.3	50	<0.1	16.6	5.5	179	2.33	8.7	7.9	2.2	10	<0.1	0.5	0.2	41	0.10	0.037	17

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222686	Soil	27	0.50	132	0.052	2	1.84	0.006	0.15	0.2	0.04	2.2	0.2	<0.05	5	<0.5	<0.2
1222687	Soil	21	0.26	88	0.038	<1	1.31	0.004	0.05	0.2	0.04	1.6	0.1	<0.05	6	0.5	<0.2
1222688	Soil	25	0.43	136	0.034	<1	1.59	0.004	0.15	0.1	0.04	1.6	0.2	<0.05	5	<0.5	<0.2
1222689	Soil	28	0.45	144	0.041	<1	1.85	0.005	0.13	0.2	0.04	2.3	0.2	<0.05	5	0.6	<0.2
1222690	Soil	30	0.49	280	0.046	<1	2.22	0.006	0.17	0.2	0.04	2.4	0.2	<0.05	7	0.6	<0.2
1222691	Soil	20	0.24	95	0.031	1	1.35	0.005	0.07	0.2	0.04	1.4	0.1	<0.05	5	0.6	<0.2
1222692	Soil	43	0.77	201	0.092	2	3.24	0.007	0.44	0.2	0.02	3.4	0.4	0.07	8	<0.5	<0.2
1222693	Soil	20	0.28	103	0.030	3	1.37	0.004	0.05	0.2	0.07	1.2	<0.1	0.09	4	<0.5	<0.2
1222694	Soil	28	0.39	224	0.060	1	1.95	0.006	0.14	0.2	0.05	2.1	0.2	0.09	7	<0.5	<0.2
1222695	Soil	24	0.30	81	0.034	2	1.43	0.004	0.08	0.2	0.04	1.5	<0.1	0.07	6	<0.5	<0.2
1222696	Soil	23	0.27	142	0.028	2	1.23	0.006	0.11	0.1	0.04	0.9	0.1	0.10	5	<0.5	<0.2
1222697	Soil	22	0.34	93	0.035	2	1.44	0.005	0.06	0.2	0.03	1.6	<0.1	0.08	4	<0.5	<0.2
1222698	Soil	31	0.46	118	0.067	4	1.70	0.006	0.15	0.3	0.03	2.4	0.2	0.18	6	<0.5	<0.2
1222699	Soil	27	0.34	107	0.049	2	1.54	0.005	0.11	0.2	0.03	1.9	0.2	0.21	7	<0.5	<0.2
1222700	Soil	19	0.17	192	0.036	<1	1.13	0.007	0.05	0.1	0.04	1.5	0.1	0.11	5	<0.5	<0.2
1222951	Soil	17	0.26	86	0.016	2	0.95	0.005	0.04	0.2	0.03	1.3	<0.1	0.11	3	<0.5	<0.2
1222952	Soil	24	0.39	110	0.024	2	1.30	0.005	0.05	0.2	0.03	1.7	0.1	0.14	4	<0.5	<0.2
1222953	Soil	24	0.32	91	0.023	2	1.39	0.004	0.04	0.2	0.04	1.2	<0.1	0.14	4	<0.5	<0.2
1222954	Soil	22	0.38	100	0.022	<1	1.30	0.004	0.04	0.1	0.02	1.3	<0.1	0.11	4	<0.5	<0.2
1222955	Soil	26	0.40	130	0.021	1	1.53	0.006	0.05	0.2	0.04	1.6	<0.1	0.14	5	<0.5	<0.2
1222956	Soil	14	0.15	56	0.010	1	0.91	0.003	0.03	<0.1	0.04	0.3	0.1	0.13	5	<0.5	<0.2
1222957	Soil	28	0.28	90	0.037	<1	1.64	0.004	0.05	0.2	0.04	2.0	0.1	0.13	6	0.7	<0.2
1222958	Soil	22	0.36	65	0.016	<1	1.27	0.004	0.04	0.1	0.02	1.0	<0.1	0.13	4	<0.5	<0.2
1222959	Soil	22	0.32	70	0.020	<1	1.29	0.005	0.04	0.2	0.03	1.2	<0.1	0.13	5	<0.5	<0.2
1222960	Soil	32	0.39	99	0.030	2	1.66	0.005	0.05	0.2	0.03	2.2	0.1	0.19	5	0.6	<0.2
1222961	Soil	21	0.19	62	0.008	2	1.08	0.003	0.03	<0.1	0.04	0.2	<0.1	<0.05	6	0.7	<0.2
1222962	Soil	27	0.41	116	0.026	2	1.52	0.005	0.04	0.2	0.03	2.0	<0.1	0.08	5	<0.5	<0.2
1222963	Soil	26	0.39	81	0.021	2	1.42	0.005	0.04	0.2	0.02	1.4	<0.1	0.05	5	0.5	<0.2
1222964	Soil	26	0.31	90	0.028	<1	1.41	0.004	0.03	0.1	0.03	1.9	0.1	<0.05	6	<0.5	<0.2
1222965	Soil	25	0.43	93	0.027	<1	1.39	0.004	0.03	0.1	0.02	1.7	<0.1	0.07	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222966	Soil		0.8	13.7	16.2	31	<0.1	8.9	3.5	105	2.35	10.7	3.6	2.6	8	<0.1	0.4	0.2	41	0.06	0.055	19
1222967	Soil		0.8	23.9	10.8	53	<0.1	15.6	5.9	202	2.37	8.1	1.9	6.2	9	<0.1	0.6	0.2	31	0.09	0.037	27
1222968	Soil		0.9	23.6	8.9	53	<0.1	18.5	7.2	217	2.17	9.0	2.8	2.2	11	0.1	0.7	0.1	38	0.12	0.040	20
1222969	Soil		0.9	28.2	10.9	62	<0.1	23.1	8.9	344	2.53	11.3	2.8	5.2	15	0.2	0.9	0.1	43	0.16	0.052	21
1222970	Soil		1.3	30.6	14.5	59	<0.1	20.9	8.5	340	2.70	14.4	5.0	3.9	16	0.1	0.9	0.2	49	0.16	0.055	20
1222971	Soil		0.7	20.4	10.1	48	<0.1	15.2	5.7	180	2.23	9.5	1.1	3.0	10	<0.1	0.6	0.1	38	0.11	0.036	22
1222972	Soil		0.7	20.0	11.1	48	<0.1	15.6	5.7	183	2.45	9.1	2.5	3.1	13	<0.1	0.6	0.2	38	0.11	0.032	23
1222973	Soil		0.9	24.4	12.2	63	<0.1	19.1	8.9	265	2.83	12.7	2.1	4.9	11	0.1	0.7	0.2	41	0.12	0.059	16
1222974	Soil		0.9	23.2	12.0	59	<0.1	20.1	9.3	298	2.91	12.0	3.0	4.4	11	<0.1	0.7	0.2	44	0.12	0.055	17
1222975	Soil		0.9	11.2	14.8	42	<0.1	12.1	4.6	136	3.87	13.0	1.4	3.5	7	<0.1	0.6	0.2	63	0.06	0.032	15
1222976	Soil		0.9	22.9	12.3	50	<0.1	17.3	7.8	242	2.51	10.2	4.6	5.5	10	<0.1	0.7	0.2	41	0.09	0.028	22
1222977	Soil		0.9	24.4	14.4	55	<0.1	17.4	7.5	204	2.79	13.0	2.1	6.9	9	<0.1	0.9	0.2	44	0.08	0.035	23
1222978	Soil		1.1	15.9	13.1	48	<0.1	15.7	6.3	165	2.53	10.9	2.7	3.5	8	0.1	0.5	0.2	43	0.07	0.049	14
1222979	Soil		1.0	17.1	14.9	49	<0.1	15.4	7.4	262	2.64	16.1	4.9	5.6	8	<0.1	0.7	0.3	46	0.07	0.030	18
1222980	Soil		1.0	17.7	11.2	51	<0.1	18.0	6.7	221	2.24	11.9	3.5	3.6	10	<0.1	0.6	0.2	42	0.10	0.038	17
1222981	Soil		0.8	17.8	10.9	51	<0.1	16.7	6.4	204	2.15	10.4	2.7	1.6	10	<0.1	0.6	0.2	38	0.12	0.043	16
1222982	Soil		0.8	31.0	18.0	72	0.1	26.1	11.7	460	2.71	9.6	3.0	7.3	18	0.2	0.7	0.2	30	0.11	0.035	28
1222983	Soil		0.7	17.2	10.5	42	<0.1	12.9	4.3	120	1.67	7.3	2.0	0.5	10	0.1	0.4	0.2	30	0.10	0.057	14
1222984	Soil		0.9	14.6	15.5	50	<0.1	14.6	5.1	144	2.01	11.4	2.4	0.7	9	0.2	0.5	0.2	34	0.09	0.045	15
1222985	Soil		1.0	21.1	27.4	60	0.1	17.7	6.2	189	2.21	10.7	6.1	1.9	11	0.2	0.6	0.2	30	0.11	0.052	18
1222986	Soil		0.7	14.8	18.2	49	0.1	15.3	5.4	148	2.02	10.7	2.3	1.4	9	<0.1	0.5	0.2	30	0.11	0.049	15
1222987	Soil		0.7	13.7	16.3	45	0.1	13.2	4.4	104	1.98	10.9	3.4	0.8	9	0.1	0.5	0.2	32	0.09	0.047	14
1222988	Soil		0.7	19.6	13.0	53	<0.1	17.2	6.1	169	2.19	15.1	3.6	3.8	10	0.2	0.6	0.2	33	0.11	0.055	20
1222989	Soil		0.5	19.2	12.5	52	<0.1	15.8	6.0	165	2.03	11.1	3.2	5.5	10	<0.1	0.5	0.2	29	0.11	0.042	20
1222990	Soil		0.8	20.1	21.8	54	0.2	15.0	5.8	198	2.23	25.9	9.9	4.4	10	0.1	0.5	0.2	35	0.09	0.052	18
1222991	Soil		0.7	19.1	13.0	45	0.1	13.4	4.7	153	1.83	11.5	2.2	5.5	9	0.1	0.6	0.2	29	0.10	0.039	18
1222992	Soil		0.9	15.6	13.1	44	<0.1	12.8	4.0	121	2.21	17.1	3.0	2.3	10	0.1	0.5	0.2	34	0.10	0.053	15
1222993	Soil		0.9	24.8	12.6	56	<0.1	19.0	7.0	244	2.36	19.3	3.2	3.6	10	0.1	0.7	0.2	36	0.10	0.042	16
1222994	Soil		1.0	10.8	12.9	49	<0.1	12.4	4.5	137	2.58	36.5	6.3	3.4	9	0.1	0.6	0.2	38	0.08	0.040	15
1222995	Soil		1.0	17.8	14.6	56	0.1	14.8	4.8	135	2.28	75.9	5.5	4.9	9	0.2	0.6	0.2	32	0.07	0.036	19

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222966	Soil	23	0.27	91	0.021	<1	1.42	0.004	0.03	0.1	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1222967	Soil	21	0.46	109	0.023	<1	1.41	0.004	0.04	0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1222968	Soil	22	0.46	139	0.029	<1	1.35	0.005	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222969	Soil	27	0.49	233	0.042	1	1.40	0.006	0.05	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1222970	Soil	29	0.46	310	0.029	2	1.70	0.006	0.06	0.2	0.07	3.9	0.1	<0.05	5	<0.5	<0.2
1222971	Soil	22	0.41	95	0.028	1	1.35	0.005	0.04	0.1	0.02	1.7	<0.1	<0.05	4	0.6	<0.2
1222972	Soil	21	0.40	183	0.027	1	1.29	0.005	0.04	<0.1	0.03	2.1	0.1	0.07	4	<0.5	<0.2
1222973	Soil	26	0.40	126	0.022	2	1.66	0.005	0.04	0.1	0.03	2.3	<0.1	<0.05	4	0.8	<0.2
1222974	Soil	27	0.44	146	0.030	2	1.62	0.006	0.05	0.2	0.05	2.7	<0.1	<0.05	4	<0.5	<0.2
1222975	Soil	28	0.35	68	0.035	<1	1.55	0.005	0.04	0.2	0.03	2.0	0.1	0.06	6	1.0	<0.2
1222976	Soil	25	0.45	165	0.034	1	1.46	0.006	0.04	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1222977	Soil	29	0.44	157	0.033	<1	1.61	0.005	0.04	0.1	0.04	2.9	<0.1	<0.05	5	0.9	<0.2
1222978	Soil	27	0.36	116	0.025	1	1.58	0.005	0.04	0.2	0.04	2.8	0.1	<0.05	5	1.0	<0.2
1222979	Soil	27	0.39	141	0.038	2	1.59	0.005	0.04	0.2	0.04	3.5	0.1	<0.05	5	0.6	<0.2
1222980	Soil	25	0.40	152	0.033	1	1.35	0.006	0.04	0.1	0.02	2.9	<0.1	<0.05	4	0.8	<0.2
1222981	Soil	22	0.39	113	0.024	<1	1.34	0.005	0.04	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1222982	Soil	21	0.47	328	0.027	<1	1.30	0.006	0.05	0.1	0.04	2.7	<0.1	<0.05	4	0.6	<0.2
1222983	Soil	20	0.29	109	0.015	<1	1.12	0.005	0.03	0.2	0.04	1.1	<0.1	<0.05	4	<0.5	<0.2
1222984	Soil	21	0.30	111	0.019	1	1.19	0.005	0.03	0.2	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1222985	Soil	21	0.34	136	0.020	1	1.16	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	3	0.5	<0.2
1222986	Soil	19	0.32	118	0.018	<1	1.18	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1222987	Soil	20	0.28	108	0.013	<1	1.13	0.004	0.03	0.2	0.05	1.3	<0.1	<0.05	4	0.7	<0.2
1222988	Soil	22	0.35	138	0.020	<1	1.29	0.005	0.04	0.2	0.05	2.7	<0.1	<0.05	4	0.6	<0.2
1222989	Soil	20	0.36	117	0.026	1	1.17	0.005	0.04	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1222990	Soil	22	0.35	130	0.024	<1	1.36	0.007	0.04	0.2	0.04	2.5	<0.1	<0.05	4	0.9	<0.2
1222991	Soil	19	0.31	108	0.024	<1	1.09	0.005	0.03	0.2	0.03	2.2	<0.1	<0.05	3	1.1	<0.2
1222992	Soil	20	0.31	100	0.018	1	1.22	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	4	0.7	<0.2
1222993	Soil	22	0.36	112	0.027	<1	1.25	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222994	Soil	20	0.31	70	0.028	<1	1.04	0.004	0.04	0.3	0.03	1.6	<0.1	<0.05	4	0.8	<0.2
1222995	Soil	19	0.32	97	0.025	<1	1.19	0.005	0.04	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222996	Soil		0.8	22.4	13.8	59	0.1	16.4	5.7	189	2.15	42.2	1.5	6.2	13	0.2	0.6	0.2	33	0.12	0.037	23
1222997	Soil		0.8	15.8	13.3	51	0.1	13.3	5.1	150	2.03	29.1	8.0	1.9	11	0.2	0.5	0.2	33	0.12	0.045	15
1222998	Soil		0.8	12.9	12.1	51	0.1	11.7	4.8	141	2.05	39.5	53.5	1.5	11	0.2	0.5	0.2	31	0.10	0.046	17
1222999	Soil		0.8	16.8	11.6	57	0.1	14.0	5.7	151	2.32	40.0	2.3	2.6	13	<0.1	0.5	0.2	31	0.11	0.049	18
1223000	Soil		0.6	19.3	12.5	58	0.2	14.1	5.6	151	2.23	29.9	8.0	1.5	13	0.2	0.4	0.2	31	0.10	0.051	17
1223081	Soil		0.6	20.7	15.1	48	<0.1	17.7	6.1	230	2.26	10.8	1.6	9.4	5	<0.1	2.4	0.2	24	0.03	0.025	27
1223082	Soil		0.7	15.1	12.3	46	<0.1	14.3	5.5	128	1.99	11.0	2.1	4.5	9	<0.1	0.6	0.2	37	0.09	0.018	16
1223083	Soil		0.6	14.0	9.3	35	<0.1	12.6	4.5	121	1.65	7.1	13.0	4.4	6	<0.1	0.6	0.2	28	0.05	0.014	16
1223084	Soil		0.8	25.9	11.7	49	<0.1	20.6	8.1	218	2.26	9.3	3.5	5.9	12	<0.1	0.8	0.2	35	0.11	0.027	19
1223085	Soil		0.7	19.8	10.1	42	<0.1	14.8	5.2	121	2.06	8.8	1.9	4.7	13	<0.1	0.6	0.2	37	0.15	0.048	16
1223086	Soil		0.7	20.5	11.8	44	<0.1	14.6	5.5	161	1.99	32.8	7.8	7.7	8	<0.1	3.0	0.2	23	0.07	0.027	27
1223087	Soil		0.8	20.9	12.2	49	<0.1	15.7	6.2	155	2.16	18.6	2.8	6.6	9	0.1	4.4	0.2	26	0.08	0.035	25
1223088	Soil		0.8	28.0	12.2	67	<0.1	25.4	9.2	235	2.73	16.8	5.1	9.8	7	0.2	2.2	0.3	24	0.05	0.027	36
1223089	Soil		0.7	20.5	10.5	54	<0.1	17.9	6.1	196	2.34	32.2	5.2	7.3	10	<0.1	2.9	0.2	29	0.08	0.022	25
1223090	Soil		0.7	20.6	10.5	47	<0.1	17.8	6.4	163	2.25	12.9	2.2	6.6	8	0.1	2.4	0.2	32	0.06	0.017	23
1223091	Soil		0.9	25.6	10.8	52	<0.1	20.6	7.6	237	2.15	8.8	2.3	6.2	10	<0.1	1.3	0.2	34	0.09	0.020	19
1223092	Soil		0.9	32.1	12.7	61	<0.1	22.9	8.5	239	2.50	11.0	5.1	8.7	7	0.1	1.6	0.2	27	0.05	0.014	26
1223093	Soil		0.8	23.8	9.3	45	<0.1	20.3	5.7	199	2.01	8.2	1.8	6.5	8	<0.1	1.1	0.2	22	0.07	0.017	24
1223094	Soil		0.7	25.9	13.6	47	<0.1	18.8	6.2	188	2.01	44.2	7.3	8.5	6	<0.1	6.4	0.2	21	0.03	0.016	31
1223095	Soil		0.6	25.5	14.2	41	<0.1	20.0	6.6	213	2.17	27.0	5.3	10.3	9	<0.1	7.4	0.2	20	0.06	0.021	40
1223096	Soil		0.9	30.1	11.4	49	<0.1	19.5	6.4	202	2.37	44.2	10.1	10.7	9	<0.1	6.0	0.3	23	0.06	0.015	39
1223097	Soil		0.8	48.4	14.5	72	<0.1	26.1	9.4	504	3.24	44.8	4.2	10.6	5	<0.1	1.9	0.4	20	0.03	0.024	50
1223098	Soil		1.1	27.2	30.8	93	<0.1	17.6	8.0	237	2.45	379.3	18.9	10.8	12	0.2	7.0	0.3	18	0.18	0.030	34
1223099	Soil		0.9	14.4	17.4	37	<0.1	14.9	6.7	154	2.06	13.1	2.3	8.0	10	<0.1	1.2	0.2	33	0.06	0.017	23
1223100	Soil		1.2	25.3	12.0	54	<0.1	23.1	7.7	169	2.41	11.1	2.0	6.1	13	<0.1	1.1	0.2	40	0.10	0.018	14
1223101	Soil		0.7	11.2	14.4	34	<0.1	10.7	4.8	171	1.78	7.2	1.9	7.1	7	<0.1	0.6	0.2	26	0.04	0.029	26
1223102	Soil		0.7	13.7	10.7	39	<0.1	17.9	6.5	152	2.01	9.5	2.8	4.6	18	<0.1	0.6	0.2	38	0.18	0.023	14
1223103	Soil		0.6	9.9	8.7	35	<0.1	16.4	7.4	200	1.88	7.4	1.2	5.7	14	<0.1	0.6	0.1	28	0.16	0.013	17
1223104	Soil		0.8	13.3	7.4	40	<0.1	22.0	8.8	200	2.54	8.5	0.6	10.6	13	<0.1	0.5	0.2	16	0.15	0.016	40
1223105	Soil		0.8	12.3	15.2	34	<0.1	19.3	8.5	314	2.09	6.0	<0.5	8.1	12	<0.1	0.2	0.2	20	0.15	0.015	32

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222996	Soil	22	0.36	235	0.037	<1	1.17	0.009	0.06	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1222997	Soil	19	0.29	124	0.021	<1	1.05	0.006	0.03	0.2	0.04	1.5	<0.1	<0.05	3	0.5	<0.2
1222998	Soil	19	0.31	91	0.016	<1	1.10	0.004	0.03	0.3	0.05	1.2	<0.1	<0.05	4	0.5	<0.2
1222999	Soil	19	0.35	126	0.018	<1	1.21	0.005	0.03	0.2	0.04	1.6	<0.1	<0.05	4	0.7	<0.2
1223000	Soil	21	0.34	132	0.014	1	1.24	0.005	0.04	0.2	0.04	1.5	<0.1	<0.05	4	0.7	<0.2
1223081	Soil	25	0.23	87	0.014	2	0.93	0.004	0.06	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1223082	Soil	23	0.34	152	0.026	<1	1.28	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1223083	Soil	16	0.25	88	0.023	<1	0.99	0.004	0.04	0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1223084	Soil	26	0.33	285	0.030	<1	1.32	0.008	0.06	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
1223085	Soil	21	0.32	189	0.029	1	1.27	0.006	0.04	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
1223086	Soil	16	0.25	138	0.019	<1	0.91	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1223087	Soil	18	0.28	114	0.019	<1	1.01	0.004	0.05	0.2	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
1223088	Soil	19	0.34	119	0.016	<1	1.11	0.005	0.05	<0.1	0.02	2.5	<0.1	<0.05	3	0.8	<0.2
1223089	Soil	19	0.30	155	0.020	<1	1.05	0.005	0.06	0.1	0.02	2.5	<0.1	<0.05	3	0.6	<0.2
1223090	Soil	21	0.33	135	0.021	<1	1.19	0.006	0.05	0.1	0.02	2.3	<0.1	<0.05	4	0.7	<0.2
1223091	Soil	23	0.38	231	0.027	<1	1.25	0.006	0.05	0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
1223092	Soil	21	0.38	149	0.020	<1	1.25	0.005	0.05	0.1	0.03	2.9	<0.1	<0.05	3	0.5	<0.2
1223093	Soil	17	0.33	191	0.019	<1	1.01	0.004	0.04	0.1	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1223094	Soil	17	0.27	122	0.014	1	1.01	0.003	0.04	0.1	0.03	1.8	<0.1	0.05	3	<0.5	<0.2
1223095	Soil	17	0.22	178	0.009	<1	0.90	0.004	0.04	<0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223096	Soil	17	0.31	180	0.013	<1	1.08	0.004	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1223097	Soil	20	0.64	101	0.006	<1	1.62	0.003	0.05	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1223098	Soil	13	0.24	229	0.004	<1	0.86	0.004	0.06	0.1	0.01	2.3	<0.1	0.06	2	<0.5	<0.2
1223099	Soil	17	0.25	161	0.021	<1	1.07	0.004	0.04	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1223100	Soil	24	0.35	183	0.037	1	1.25	0.006	0.05	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1223101	Soil	13	0.20	101	0.016	<1	0.88	0.004	0.06	0.1	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1223102	Soil	22	0.34	137	0.035	1	1.08	0.005	0.08	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223103	Soil	19	0.32	162	0.032	<1	0.90	0.005	0.09	0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1223104	Soil	13	0.24	177	0.003	<1	0.90	0.004	0.08	<0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1223105	Soil	15	0.22	179	0.004	<1	0.91	0.004	0.10	<0.1	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223106	Soil		0.6	8.1	9.1	33	<0.1	15.2	6.4	242	1.75	5.8	<0.5	4.1	14	<0.1	0.4	0.1	32	0.18	0.011	16
1223107	Soil		0.8	39.0	10.9	73	<0.1	44.2	17.1	372	3.52	13.7	<0.5	13.6	7	<0.1	0.7	0.3	26	0.10	0.018	27
1223108	Soil		1.2	15.4	17.4	42	<0.1	22.7	9.8	413	2.46	10.2	1.4	5.6	20	<0.1	0.8	0.2	43	0.31	0.013	14
1223109	Soil		1.0	14.3	12.3	38	<0.1	20.0	8.4	243	2.23	8.5	1.5	4.9	19	<0.1	0.6	0.2	42	0.25	0.012	15
1223110	Soil		1.0	48.2	20.7	73	<0.1	41.9	15.7	452	3.55	20.3	15.5	15.9	18	<0.1	2.8	0.4	26	0.23	0.020	48
1223111	Soil		0.8	8.0	10.4	27	<0.1	16.6	7.1	549	1.85	17.8	3.6	4.0	16	<0.1	1.1	0.2	33	0.24	0.011	14
1223112	Soil		1.0	13.9	12.8	39	<0.1	19.6	10.3	537	2.26	17.0	2.5	5.8	17	<0.1	1.0	0.2	35	0.26	0.015	18
1223113	Soil		0.7	30.1	14.2	54	<0.1	27.8	13.0	340	2.89	11.9	0.9	10.9	14	0.1	0.7	0.3	28	0.23	0.016	32
1223114	Soil		1.0	21.4	15.7	47	0.1	15.3	6.9	179	2.33	5.1	1.2	7.2	14	0.2	0.5	0.2	27	0.18	0.020	23
1223207	Soil		0.5	8.8	9.8	28	<0.1	9.2	3.6	102	1.38	5.0	<0.5	6.1	5	<0.1	0.6	0.2	15	0.02	0.027	27
1223208	Soil		0.4	8.8	8.5	25	<0.1	8.9	3.2	89	1.26	4.6	2.6	5.0	6	<0.1	0.6	0.2	15	0.03	0.022	26
1223209	Soil		0.5	14.3	10.8	36	<0.1	14.2	5.4	145	1.76	6.2	<0.5	5.0	5	<0.1	0.6	0.2	17	0.03	0.018	23
1223210	Soil		0.5	6.2	7.9	20	<0.1	7.1	2.6	70	0.97	4.2	<0.5	4.5	6	<0.1	0.4	0.2	18	0.04	0.014	21
1223211	Soil		0.3	22.1	11.6	64	<0.1	21.2	8.6	262	2.42	7.9	2.3	10.4	10	0.1	0.8	0.2	16	0.08	0.044	38
1223212	Soil		0.3	21.2	11.9	65	<0.1	20.8	9.2	323	2.42	6.5	1.2	9.5	11	0.2	0.7	0.2	18	0.09	0.061	36
1223213	Soil		0.3	19.6	10.3	55	<0.1	19.0	7.5	233	2.12	7.1	0.7	10.2	11	0.1	0.6	0.2	15	0.11	0.049	33
1223214	Soil		0.4	15.5	9.5	38	<0.1	15.3	5.6	121	1.90	9.2	<0.5	4.5	4	0.2	0.6	0.2	16	0.02	0.050	24
1223215	Soil		0.4	16.7	11.6	39	<0.1	14.2	5.0	181	1.77	10.0	<0.5	6.4	6	0.1	0.7	0.2	11	0.03	0.042	22
1223216	Soil		0.8	15.4	8.9	36	<0.1	12.5	4.4	101	1.52	5.2	1.4	5.2	6	<0.1	0.5	0.2	24	0.04	0.013	16
1223217	Soil		0.7	23.5	12.6	48	<0.1	20.1	8.3	218	2.44	11.0	7.3	9.0	5	0.1	0.9	0.2	20	0.02	0.030	26
1223218	Soil		1.2	8.3	11.1	30	<0.1	9.7	3.9	132	2.57	11.9	1.4	2.5	9	<0.1	0.6	0.3	70	0.06	0.048	14
1223219	Soil		1.0	10.3	11.7	38	<0.1	13.1	6.7	354	2.18	9.1	<0.5	3.1	17	0.1	0.6	0.2	55	0.17	0.020	12
1223220	Soil		0.6	5.1	8.1	20	<0.1	6.2	2.5	72	1.31	8.9	3.4	2.7	8	<0.1	0.4	0.2	40	0.06	0.012	14
1223221	Soil		0.8	19.0	9.6	42	<0.1	19.1	6.8	130	2.44	11.4	7.3	4.8	6	<0.1	0.8	0.2	36	0.04	0.022	17
1223222	Soil		1.1	13.9	11.8	49	<0.1	17.5	6.6	218	2.43	9.7	2.3	3.6	12	0.1	0.5	0.2	55	0.12	0.020	11
1223223	Soil		1.0	10.6	12.3	45	<0.1	14.9	6.4	164	2.24	9.9	2.7	3.2	10	<0.1	0.4	0.2	52	0.09	0.018	12
1223224	Soil		1.1	15.4	11.2	46	<0.1	17.7	6.3	144	2.92	12.5	0.7	5.2	6	<0.1	0.7	0.2	49	0.05	0.027	18
1223225	Soil		0.9	24.9	13.1	53	<0.1	24.4	9.0	229	2.64	8.6	3.4	7.2	9	<0.1	1.5	0.2	34	0.06	0.017	28
1223226	Soil		0.8	9.7	10.6	37	<0.1	12.7	5.6	134	2.05	7.9	1.4	3.6	7	<0.1	0.5	0.1	43	0.06	0.010	15
1223227	Soil		0.6	20.0	11.8	48	<0.1	21.9	8.0	149	2.50	11.0	1.6	8.9	6	<0.1	1.3	0.1	24	0.04	0.012	27

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223106	Soil	18	0.28	183	0.023	<1	0.92	0.005	0.10	0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1223107	Soil	29	0.59	186	0.004	<1	2.12	0.005	0.04	0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
1223108	Soil	30	0.35	280	0.040	1	1.39	0.009	0.08	0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1223109	Soil	27	0.35	237	0.031	<1	1.38	0.007	0.06	0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1223110	Soil	28	0.57	168	0.010	<1	1.66	0.007	0.10	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1223111	Soil	20	0.27	223	0.017	<1	1.11	0.006	0.05	0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
1223112	Soil	23	0.33	226	0.020	<1	1.31	0.006	0.08	0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1223113	Soil	23	0.41	163	0.011	<1	1.48	0.006	0.07	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223114	Soil	18	0.36	121	0.012	<1	1.18	0.006	0.07	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1223207	Soil	9	0.14	79	0.006	<1	0.75	0.003	0.07	0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1223208	Soil	9	0.13	66	0.008	<1	0.60	0.002	0.05	0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1223209	Soil	13	0.22	74	0.011	<1	0.90	0.003	0.05	0.1	0.02	0.9	<0.1	<0.05	2	<0.5	<0.2
1223210	Soil	9	0.13	74	0.017	<1	0.61	0.003	0.04	0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1223211	Soil	15	0.38	74	0.013	<1	1.00	0.003	0.09	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223212	Soil	16	0.37	110	0.012	<1	1.11	0.004	0.10	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223213	Soil	13	0.31	68	0.015	<1	0.80	0.003	0.08	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1223214	Soil	12	0.21	57	0.009	<1	0.87	0.002	0.04	<0.1	0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
1223215	Soil	9	0.15	73	0.008	<1	0.59	0.003	0.05	0.2	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
1223216	Soil	15	0.24	80	0.028	<1	0.96	0.003	0.04	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223217	Soil	14	0.20	86	0.012	<1	0.89	0.002	0.04	0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
1223218	Soil	22	0.21	132	0.043	<1	1.15	0.004	0.04	0.2	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1223219	Soil	23	0.32	294	0.034	<1	1.40	0.007	0.05	0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
1223220	Soil	12	0.16	100	0.034	<1	0.77	0.004	0.02	0.1	0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1223221	Soil	19	0.28	89	0.021	<1	1.26	0.004	0.04	0.2	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1223222	Soil	29	0.33	243	0.037	1	1.55	0.005	0.03	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1223223	Soil	24	0.30	194	0.033	<1	1.49	0.004	0.03	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1223224	Soil	24	0.27	145	0.020	<1	1.52	0.003	0.04	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1223225	Soil	25	0.40	206	0.018	<1	1.47	0.004	0.05	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223226	Soil	20	0.30	147	0.026	<1	1.34	0.003	0.03	0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1223227	Soil	17	0.28	121	0.010	<1	1.03	0.003	0.03	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223228	Soil		0.8	7.2	9.4	29	<0.1	10.8	4.3	118	1.54	7.2	0.9	2.9	8	0.1	0.4	0.1	41	0.07	0.013	12
1223229	Soil		1.1	16.7	15.5	42	<0.1	17.5	5.8	132	2.10	10.8	0.8	6.7	7	<0.1	0.7	0.1	31	0.06	0.018	25
1223230	Soil		0.7	42.2	8.0	85	<0.1	36.1	15.6	397	3.62	11.0	2.0	11.2	5	<0.1	0.6	0.2	16	0.02	0.015	15
1223231	Soil		0.8	26.0	10.1	55	<0.1	26.4	9.4	196	2.70	9.1	2.6	6.8	6	<0.1	0.6	0.2	37	0.04	0.015	18
1223232	Soil		0.6	33.6	9.5	66	<0.1	30.2	10.3	249	3.00	9.0	3.7	12.1	6	<0.1	0.5	0.2	30	0.04	0.014	34
1223233	Soil		0.8	17.3	10.6	41	<0.1	18.9	7.2	214	2.26	7.3	2.4	5.7	10	<0.1	0.9	0.2	34	0.11	0.019	14
1223234	Soil		0.7	39.0	10.3	76	<0.1	34.5	11.3	299	3.01	9.9	1.9	10.5	8	<0.1	1.6	0.3	24	0.07	0.023	22
1223235	Soil		0.8	16.0	10.4	39	<0.1	17.2	6.0	143	2.36	10.9	2.0	4.8	7	<0.1	0.6	0.2	46	0.06	0.017	17
1223236	Soil		0.6	14.6	12.5	43	<0.1	14.8	9.9	293	2.28	7.1	1.7	2.3	7	<0.1	0.4	0.2	36	0.08	0.044	15
1223237	Soil		1.1	35.4	19.6	96	0.1	32.6	12.4	469	2.95	16.6	2.3	10.4	17	0.3	2.1	0.3	28	0.26	0.062	29
1223238	Soil		0.5	23.7	12.7	63	<0.1	21.5	9.2	306	2.33	11.3	1.7	8.5	12	0.2	1.6	0.2	21	0.16	0.045	27
1223239	Soil		0.8	26.6	26.7	87	<0.1	27.7	10.6	459	2.96	13.8	1.1	9.3	14	0.4	1.0	0.2	26	0.19	0.033	28
1223240	Soil		0.7	40.0	15.7	55	0.2	30.3	8.8	306	2.36	9.0	1.8	7.3	28	0.4	1.5	0.2	24	0.49	0.033	21
1223241	Soil		0.7	15.8	11.9	44	<0.1	16.4	6.8	203	2.15	13.6	2.2	5.0	9	0.1	0.4	0.2	36	0.08	0.026	16
1223242	Soil		0.8	10.3	10.8	39	<0.1	11.4	4.8	146	1.91	12.2	1.5	0.7	9	<0.1	0.4	0.2	35	0.09	0.043	15
1223243	Soil		0.9	17.3	13.4	53	<0.1	19.3	7.3	276	2.70	15.3	3.6	3.7	9	<0.1	0.4	0.2	38	0.09	0.048	23
1223244	Soil		0.7	20.4	14.3	45	<0.1	17.6	7.0	201	2.15	12.8	2.0	7.7	8	<0.1	0.4	0.2	31	0.06	0.019	22
1223245	Soil		0.6	25.6	12.5	50	<0.1	20.4	8.4	271	2.20	10.8	2.8	8.1	10	<0.1	0.4	0.2	25	0.09	0.033	26
1223246	Soil		0.7	16.6	12.6	43	<0.1	15.4	5.8	153	2.05	12.9	12.5	4.5	8	<0.1	0.4	0.2	33	0.07	0.023	19
1223247	Soil		0.7	17.6	16.5	36	<0.1	14.0	4.4	97	1.94	11.3	2.5	1.5	10	<0.1	0.3	0.2	29	0.06	0.021	24
1223248	Soil		0.8	12.2	14.9	29	<0.1	10.8	3.5	87	1.61	8.9	0.7	4.3	8	<0.1	0.3	0.2	29	0.06	0.018	27
1223249	Soil		0.7	16.8	14.1	40	<0.1	14.7	5.1	127	2.02	10.1	2.4	7.5	8	<0.1	0.5	0.2	31	0.05	0.016	22
1223250	Soil		0.8	15.1	12.4	43	<0.1	15.9	7.0	164	2.24	12.2	3.0	6.2	7	0.1	0.4	0.2	39	0.06	0.024	16
1223251	Soil		0.7	18.4	13.8	46	<0.1	16.9	6.9	190	2.25	13.0	1.2	7.0	8	<0.1	0.5	0.2	31	0.05	0.019	23
1223252	Soil		0.9	14.2	14.6	41	<0.1	13.7	4.5	117	2.12	12.0	2.0	3.4	8	<0.1	0.4	0.2	37	0.06	0.028	20
1223253	Soil		0.8	15.8	11.1	41	<0.1	16.1	5.7	141	2.03	12.2	4.1	6.0	8	<0.1	0.5	0.2	34	0.06	0.022	17
1223254	Soil		0.8	16.8	12.4	44	<0.1	16.5	5.9	156	2.22	18.1	1.9	6.9	7	<0.1	0.4	0.2	32	0.06	0.020	19
1223255	Soil		0.8	13.7	13.8	35	<0.1	12.8	4.9	148	1.80	13.8	1.9	4.9	7	<0.1	0.3	0.2	23	0.04	0.023	23
1223256	Soil		0.7	16.3	11.8	43	<0.1	15.5	5.6	138	1.92	13.2	5.9	6.0	8	<0.1	0.4	0.2	28	0.07	0.024	22
1223257	Soil		0.8	18.1	14.5	46	<0.1	17.6	6.8	194	2.10	19.3	1.6	7.9	8	<0.1	0.4	0.2	29	0.06	0.027	24

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223228	Soil	16	0.20	133	0.025	<1	1.01	0.003	0.03	0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1223229	Soil	19	0.23	142	0.011	<1	1.17	0.004	0.05	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1223230	Soil	21	0.46	94	0.002	<1	1.40	0.005	0.03	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1223231	Soil	27	0.43	145	0.018	<1	1.67	0.004	0.03	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223232	Soil	27	0.59	106	0.015	<1	1.81	0.007	0.02	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1223233	Soil	20	0.32	122	0.016	<1	1.37	0.005	0.04	0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1223234	Soil	25	0.56	119	0.011	<1	1.75	0.005	0.05	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1223235	Soil	22	0.31	122	0.024	<1	1.34	0.005	0.03	0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1223236	Soil	19	0.28	133	0.009	<1	1.31	0.005	0.03	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1223237	Soil	25	0.46	234	0.021	1	1.22	0.008	0.11	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1223238	Soil	16	0.33	160	0.016	<1	0.97	0.005	0.07	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1223239	Soil	23	0.54	110	0.008	<1	1.38	0.004	0.08	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223240	Soil	19	0.36	239	0.014	1	1.09	0.007	0.08	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1223241	Soil	20	0.29	135	0.027	<1	1.27	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223242	Soil	19	0.26	94	0.016	<1	1.01	0.004	0.04	0.2	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1223243	Soil	22	0.35	115	0.022	<1	1.25	0.005	0.05	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1223244	Soil	20	0.31	110	0.023	<1	1.28	0.004	0.04	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223245	Soil	18	0.34	171	0.021	<1	1.08	0.004	0.04	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223246	Soil	20	0.31	116	0.020	<1	1.28	0.004	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1223247	Soil	18	0.25	127	0.014	<1	1.17	0.005	0.05	0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1223248	Soil	15	0.19	144	0.012	<1	1.25	0.004	0.06	0.1	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
1223249	Soil	19	0.28	101	0.019	<1	1.33	0.003	0.05	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223250	Soil	22	0.31	133	0.029	<1	1.45	0.004	0.04	0.2	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1223251	Soil	19	0.30	137	0.021	<1	1.20	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1223252	Soil	20	0.28	109	0.024	1	1.28	0.004	0.05	0.2	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1223253	Soil	18	0.28	108	0.023	<1	1.19	0.004	0.04	0.2	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1223254	Soil	20	0.29	100	0.021	<1	1.27	0.004	0.05	0.2	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1223255	Soil	15	0.21	120	0.013	<1	1.01	0.004	0.06	0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1223256	Soil	18	0.31	112	0.027	<1	1.20	0.004	0.05	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223257	Soil	19	0.29	127	0.021	<1	1.20	0.004	0.05	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223258	Soil		0.7	18.2	12.2	45	<0.1	14.8	5.8	135	2.04	12.5	3.1	6.1	7	0.1	0.5	0.2	27	0.07	0.027	19
1223259	Soil		0.7	17.9	11.4	44	<0.1	15.0	6.1	177	1.97	12.5	3.0	6.1	9	<0.1	0.4	0.2	26	0.08	0.020	20
1223260	Soil		0.7	16.2	9.7	43	<0.1	13.3	5.4	130	1.88	10.0	1.9	2.0	8	<0.1	0.4	0.2	27	0.08	0.030	17
1223261	Soil		0.9	10.6	10.8	37	<0.1	11.3	4.6	126	1.80	14.5	4.3	1.8	7	<0.1	0.3	0.2	27	0.06	0.032	13
1223262	Soil		0.7	13.4	11.0	41	<0.1	12.5	5.4	202	1.86	17.7	4.9	3.0	7	0.1	0.3	0.2	27	0.08	0.038	14
1223263	Soil		0.6	14.7	10.8	39	<0.1	13.1	4.6	123	2.07	15.8	9.3	1.9	5	<0.1	0.4	0.2	28	0.05	0.030	18
1223264	Soil		0.6	5.2	11.2	21	<0.1	6.5	2.3	58	1.50	11.4	4.0	0.4	6	<0.1	0.2	0.2	29	0.05	0.021	17
1223265	Soil		1.1	31.6	20.4	21	0.2	9.5	2.9	44	1.31	5.9	3.2	<0.1	8	0.3	0.2	0.2	18	0.06	0.107	5
1223266	Soil		0.8	16.9	14.5	57	<0.1	19.6	8.9	189	2.31	12.9	7.2	5.5	6	0.1	0.5	0.2	32	0.05	0.030	17
1223267	Soil		0.7	21.4	13.9	56	<0.1	18.8	7.2	193	2.49	19.6	3.5	3.8	5	<0.1	0.3	0.3	25	0.04	0.026	18
1223268	Soil		0.9	15.3	12.7	44	<0.1	16.1	5.7	149	2.14	26.3	4.4	1.0	7	0.2	0.5	0.2	36	0.06	0.022	12
1223269	Soil		0.8	9.2	11.3	30	0.1	13.2	4.4	89	1.96	16.7	1.7	3.9	6	0.1	0.4	0.2	38	0.04	0.015	14
1223270	Soil		0.9	21.9	12.9	58	0.1	26.6	10.7	250	2.48	25.3	8.8	4.4	6	0.1	0.6	0.2	40	0.05	0.020	13
1223271	Soil		1.1	19.5	15.7	88	0.2	19.8	7.9	207	2.68	20.5	4.6	4.7	9	0.6	0.5	0.4	46	0.06	0.028	13
1223272	Soil		0.8	8.8	14.3	54	0.2	9.7	3.6	145	2.03	16.3	2.2	1.4	9	0.7	0.3	0.2	47	0.07	0.037	11
1223273	Soil		0.9	16.7	18.0	115	0.1	18.8	5.8	168	2.48	63.9	52.8	4.5	8	0.9	0.4	0.5	37	0.06	0.022	18
1223274	Soil		0.8	22.7	15.4	82	<0.1	22.5	9.2	264	2.56	13.3	6.3	4.4	9	0.3	0.4	0.2	41	0.09	0.027	17
1223275	Soil		0.8	21.4	13.9	68	<0.1	20.1	8.6	325	2.28	14.6	5.0	4.6	11	0.2	0.5	0.2	36	0.12	0.033	16
1223276	Soil		0.7	21.5	9.2	52	<0.1	18.1	7.0	243	1.92	9.7	2.9	2.9	11	0.2	0.5	0.1	33	0.13	0.052	13
1223277	Soil		0.6	16.7	10.9	48	<0.1	15.3	5.9	156	1.88	10.1	1.3	0.7	10	0.2	0.4	0.2	34	0.12	0.048	12
1223278	Soil		0.6	16.0	7.9	46	<0.1	14.2	5.0	134	1.64	8.5	2.7	1.1	11	0.1	0.4	0.1	28	0.14	0.049	11
1223279	Soil		0.6	15.6	7.8	38	<0.1	11.0	3.8	76	1.55	6.9	2.6	0.4	10	0.2	0.4	0.1	28	0.12	0.056	10
1223280	Soil		0.6	16.3	10.1	49	0.1	14.5	5.7	104	1.83	9.9	12.0	1.7	11	0.2	0.5	0.2	31	0.15	0.066	11
1223281	Soil		0.5	9.1	9.1	37	0.1	10.2	3.5	71	1.44	6.8	1.7	0.2	10	0.3	0.3	0.1	28	0.11	0.046	10
1223282	Soil		0.5	13.1	9.4	33	0.1	11.0	3.7	64	1.55	6.1	9.7	0.2	12	0.2	0.3	0.2	25	0.15	0.054	9
1223283	Soil		0.8	19.2	10.4	31	0.2	11.5	3.6	70	1.32	4.8	3.7	0.1	10	0.3	0.3	0.2	25	0.09	0.056	9
1223284	Soil		0.6	12.0	8.8	44	<0.1	12.6	4.8	99	1.80	6.3	5.8	1.1	11	0.1	0.3	0.1	29	0.13	0.048	11
1223285	Soil		0.7	14.7	10.5	50	0.2	15.3	5.6	104	1.95	7.9	14.1	0.9	12	0.1	0.4	0.2	30	0.15	0.061	11
1223286	Soil		0.6	18.2	12.5	62	0.1	17.4	7.0	234	1.97	16.1	2.9	4.8	13	0.2	0.5	0.2	30	0.19	0.051	17
1223287	Soil		0.6	15.3	14.2	58	0.1	15.8	5.5	132	1.96	15.8	3.3	1.6	11	0.2	0.4	0.2	24	0.12	0.052	13

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223258	Soil	19	0.30	106	0.022	1	1.27	0.004	0.05	0.2	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
1223259	Soil	17	0.26	144	0.026	1	1.04	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223260	Soil	17	0.29	106	0.021	1	1.11	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	3	0.6	<0.2
1223261	Soil	15	0.21	80	0.020	<1	1.06	0.003	0.04	0.2	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1223262	Soil	16	0.23	89	0.015	1	0.94	0.003	0.04	0.2	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1223263	Soil	18	0.29	71	0.012	<1	1.18	0.003	0.04	0.1	0.02	1.0	<0.1	<0.05	3	0.5	<0.2
1223264	Soil	13	0.16	65	0.009	<1	0.92	0.003	0.03	<0.1	0.02	0.5	<0.1	<0.05	4	<0.5	<0.2
1223265	Soil	13	0.06	122	<0.001	2	0.84	0.008	0.04	<0.1	0.09	0.4	<0.1	0.07	2	0.7	<0.2
1223266	Soil	19	0.23	88	0.012	<1	1.32	0.003	0.05	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1223267	Soil	19	0.37	69	0.012	<1	1.22	0.002	0.04	0.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1223268	Soil	22	0.35	100	0.018	<1	1.39	0.004	0.04	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1223269	Soil	17	0.20	100	0.018	<1	1.43	0.003	0.04	<0.1	0.02	1.4	0.1	<0.05	5	<0.5	<0.2
1223270	Soil	24	0.36	123	0.024	<1	1.49	0.003	0.04	0.2	0.06	2.2	<0.1	<0.05	4	<0.5	<0.2
1223271	Soil	25	0.37	110	0.026	<1	1.59	0.004	0.04	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1223272	Soil	15	0.17	102	0.021	<1	0.95	0.004	0.04	0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1223273	Soil	20	0.40	97	0.023	<1	1.33	0.004	0.04	0.3	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1223274	Soil	26	0.48	142	0.033	<1	1.61	0.005	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1223275	Soil	21	0.39	167	0.031	<1	1.26	0.005	0.04	0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1223276	Soil	18	0.35	175	0.024	<1	1.03	0.004	0.03	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1223277	Soil	19	0.31	118	0.019	<1	1.10	0.004	0.03	0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1223278	Soil	17	0.28	106	0.020	1	0.91	0.005	0.03	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223279	Soil	17	0.23	103	0.011	<1	0.94	0.004	0.03	0.1	0.03	1.2	<0.1	<0.05	3	0.5	<0.2
1223280	Soil	19	0.30	117	0.023	<1	1.03	0.004	0.03	0.3	0.04	1.4	<0.1	<0.05	3	0.6	<0.2
1223281	Soil	16	0.23	109	0.015	<1	0.94	0.004	0.03	0.2	0.05	0.7	<0.1	<0.05	3	<0.5	<0.2
1223282	Soil	16	0.21	127	0.009	<1	0.93	0.005	0.03	0.2	0.05	0.6	<0.1	<0.05	3	<0.5	<0.2
1223283	Soil	16	0.17	153	0.005	<1	0.96	0.004	0.03	<0.1	0.05	0.4	<0.1	<0.05	4	<0.5	<0.2
1223284	Soil	17	0.26	114	0.021	1	1.02	0.004	0.03	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223285	Soil	19	0.30	145	0.018	<1	1.19	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	3	<0.5	<0.2
1223286	Soil	20	0.35	187	0.028	<1	1.16	0.004	0.03	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1223287	Soil	17	0.27	162	0.018	<1	1.16	0.005	0.04	0.2	0.05	1.6	<0.1	<0.05	3	0.6	<0.2

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		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
1223288	Soil		0.5	27.6	27.8	89	0.2	24.7	8.7	485	2.61	48.9	5.7	9.1	11	0.5	0.5	0.7	18	0.09	0.044	29
1223289	Soil		0.6	18.0	14.5	54	<0.1	16.8	6.5	252	1.91	18.7	4.1	3.7	8	0.2	0.4	0.3	26	0.08	0.034	17
1223290	Soil		0.7	20.0	17.7	30	0.3	10.9	2.7	69	1.12	20.5	3.6	<0.1	9	0.6	0.2	0.5	15	0.07	0.061	10
1223291	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1223292	Soil		0.4	34.2	29.7	102	0.4	28.3	9.8	406	2.81	68.4	7.8	11.0	15	0.5	0.5	0.9	19	0.20	0.049	24
1223293	Soil		0.5	32.4	23.8	99	0.3	22.9	9.2	282	2.53	43.4	14.4	7.8	19	0.4	0.5	0.9	27	0.30	0.048	18
1223294	Soil		0.6	23.0	18.5	76	0.2	18.4	7.6	287	2.16	35.5	8.2	5.0	20	0.3	0.6	0.9	32	0.33	0.059	14
1223295	Soil		0.5	12.5	12.4	54	0.2	13.9	6.9	867	1.81	20.7	7.0	2.6	19	0.1	0.4	0.6	28	0.29	0.063	10
1223296	Soil		0.5	14.7	20.3	72	0.2	15.0	7.1	307	2.17	26.4	13.6	5.4	14	0.3	0.5	0.5	25	0.21	0.053	17
1223297	Soil		0.5	19.1	19.2	73	0.3	15.7	8.2	278	2.16	22.5	3.9	5.7	11	0.2	0.4	0.6	26	0.15	0.055	16
1223298	Soil		0.5	18.7	18.0	73	0.3	17.8	7.4	185	1.77	13.0	5.8	5.5	13	0.2	0.5	0.5	26	0.19	0.052	17
1223299	Soil		0.6	17.3	19.6	70	0.2	16.4	9.4	413	2.00	22.5	4.4	5.8	14	0.3	0.5	0.5	28	0.18	0.050	17
1223300	Soil		0.6	10.3	8.5	55	0.1	13.3	5.2	157	1.60	9.9	6.5	2.4	19	0.2	0.4	0.2	33	0.26	0.071	11
1223301	Soil		0.8	15.9	25.5	62	<0.1	17.6	7.2	322	2.20	18.0	3.9	2.4	6	0.3	0.5	0.3	32	0.06	0.035	13
1223302	Soil		1.0	18.7	20.6	59	0.1	17.9	6.6	291	2.41	17.9	3.8	3.0	6	0.2	0.5	0.3	35	0.05	0.033	13
1223303	Soil		0.9	21.6	12.6	52	<0.1	18.7	6.9	284	2.13	17.3	14.8	1.2	8	0.2	0.4	0.4	29	0.07	0.044	16
1223304	Soil		0.7	21.8	34.3	77	<0.1	21.1	11.4	501	2.57	42.3	6.0	3.3	9	0.3	0.6	0.3	40	0.09	0.045	19
1223305	Soil		1.0	12.3	10.3	41	0.1	12.8	6.0	306	2.33	19.2	3.0	0.7	11	0.1	0.4	0.3	45	0.09	0.048	12
1223306	Soil		1.0	16.6	10.0	33	0.2	10.9	4.5	161	1.92	18.6	3.5	0.7	10	0.2	0.4	0.3	44	0.07	0.046	11
1223307	Soil		0.7	21.0	15.2	32	0.2	13.3	4.9	179	1.59	16.8	5.8	0.3	14	0.3	0.3	0.4	30	0.09	0.039	12
1223308	Soil		0.9	12.5	13.8	43	0.2	15.0	5.5	244	2.29	19.4	8.4	2.0	12	0.2	0.6	0.3	39	0.12	0.038	11
1223309	Soil		0.9	13.3	13.5	49	0.4	17.0	6.6	221	2.37	16.7	4.1	4.0	9	0.2	0.6	0.3	42	0.09	0.026	12
1223310	Soil		1.1	9.7	16.5	51	0.5	15.2	5.1	227	2.54	15.8	2.1	3.1	13	0.4	0.5	0.3	47	0.12	0.032	10
1223311	Soil		0.9	8.4	13.5	45	0.6	13.9	6.0	171	2.29	24.1	1.7	3.2	10	0.2	0.4	0.2	45	0.09	0.022	12
1223312	Soil		0.9	15.0	14.4	48	0.1	14.3	6.7	242	2.46	17.3	2.3	4.5	8	0.2	0.6	0.3	46	0.08	0.027	13
1223313	Soil		0.9	10.5	20.9	42	<0.1	13.5	4.5	117	2.08	16.0	10.6	1.9	7	0.2	0.5	0.2	46	0.06	0.022	11
1223314	Soil		1.0	19.5	17.8	59	<0.1	19.6	6.8	296	2.42	34.7	2.2	3.3	9	0.2	0.6	0.3	38	0.06	0.029	15
1223315	Soil		0.8	21.2	14.3	47	<0.1	16.9	5.9	177	2.46	46.1	7.6	5.4	7	<0.1	0.9	0.3	31	0.05	0.021	19
1223316	Soil		1.1	30.1	37.7	68	0.2	20.7	7.1	190	3.30	74.5	15.9	7.9	9	0.2	1.0	0.4	29	0.05	0.025	19
1223317	Soil		0.9	21.9	21.3	51	0.4	18.4	7.4	211	2.42	25.0	5.1	4.8	10	0.2	0.7	0.3	41	0.07	0.026	14

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223288	Soil	17	0.40	74	0.020	<1	1.15	0.003	0.09	0.4	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
1223289	Soil	16	0.28	96	0.018	<1	1.09	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1223290	Soil	12	0.12	167	0.007	<1	0.73	0.006	0.05	0.2	0.05	0.6	<0.1	0.06	2	<0.5	<0.2
1223291	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1223292	Soil	18	0.54	70	0.023	<1	1.24	0.010	0.12	0.4	0.01	2.1	0.2	<0.05	4	<0.5	<0.2
1223293	Soil	20	0.51	174	0.026	<1	1.32	0.008	0.07	0.3	0.03	2.2	0.2	<0.05	4	<0.5	<0.2
1223294	Soil	20	0.41	198	0.017	2	1.18	0.007	0.04	0.3	0.04	2.2	0.2	0.07	4	<0.5	<0.2
1223295	Soil	16	0.33	235	0.011	1	1.04	0.006	0.03	0.4	0.04	1.6	0.1	<0.05	3	<0.5	<0.2
1223296	Soil	17	0.38	144	0.015	1	1.06	0.005	0.06	0.3	0.03	1.6	0.1	<0.05	3	<0.5	<0.2
1223297	Soil	18	0.38	145	0.016	<1	1.14	0.005	0.06	0.4	0.03	1.8	0.1	0.08	4	<0.5	<0.2
1223298	Soil	19	0.39	180	0.020	<1	1.10	0.005	0.05	0.4	0.03	2.0	0.1	<0.05	3	<0.5	<0.2
1223299	Soil	18	0.38	190	0.019	<1	1.13	0.006	0.05	0.4	0.03	2.0	0.1	<0.05	3	<0.5	<0.2
1223300	Soil	16	0.32	138	0.025	1	0.79	0.007	0.04	0.6	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1223301	Soil	20	0.33	84	0.017	<1	1.17	0.003	0.03	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1223302	Soil	21	0.36	99	0.020	<1	1.31	0.004	0.04	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1223303	Soil	22	0.37	104	0.015	<1	1.15	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1223304	Soil	36	0.52	138	0.024	<1	1.31	0.005	0.05	0.2	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1223305	Soil	18	0.27	165	0.021	<1	1.00	0.006	0.04	0.2	0.02	1.1	<0.1	0.05	5	<0.5	<0.2
1223306	Soil	16	0.21	168	0.022	<1	0.89	0.005	0.04	0.3	0.04	1.1	<0.1	<0.05	5	<0.5	<0.2
1223307	Soil	15	0.22	262	0.011	<1	0.94	0.006	0.05	0.2	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
1223308	Soil	19	0.32	190	0.027	<1	0.98	0.005	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223309	Soil	24	0.37	164	0.030	<1	1.49	0.006	0.05	0.3	0.05	2.2	0.1	<0.05	4	<0.5	<0.2
1223310	Soil	24	0.35	227	0.029	<1	1.35	0.005	0.05	0.3	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
1223311	Soil	21	0.33	164	0.029	<1	1.41	0.005	0.04	0.6	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
1223312	Soil	26	0.36	173	0.032	<1	1.56	0.006	0.04	0.6	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
1223313	Soil	21	0.31	129	0.027	<1	1.16	0.005	0.04	0.2	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
1223314	Soil	24	0.38	175	0.026	<1	1.34	0.006	0.05	0.4	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1223315	Soil	20	0.37	108	0.017	<1	1.33	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223316	Soil	22	0.48	88	0.019	<1	1.43	0.004	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1223317	Soil	26	0.40	128	0.038	<1	1.56	0.006	0.05	0.2	0.05	2.8	0.1	<0.05	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223318	Soil		1.4	13.1	70.0	61	2.2	14.9	6.3	216	2.77	22.0	6.1	3.6	8	0.3	0.5	0.3	49	0.06	0.035	12
1223319	Soil		1.2	14.4	26.4	41	0.3	13.0	5.5	156	2.13	37.0	5.7	1.8	10	0.2	0.5	0.3	41	0.07	0.034	14
1223320	Soil		0.8	18.2	21.3	54	0.2	17.6	7.0	206	2.59	40.2	4.3	5.5	7	0.2	0.6	0.3	39	0.05	0.022	15
1223321	Soil		1.0	19.8	25.0	52	1.1	13.6	5.5	167	2.85	42.4	5.3	6.9	9	0.2	0.6	0.4	37	0.05	0.024	19
1223322	Soil		1.0	18.2	16.8	40	0.2	12.0	4.5	121	2.41	24.4	2.7	7.3	7	0.1	0.5	0.4	31	0.04	0.020	23
1223323	Soil		0.9	19.8	14.0	47	0.1	17.8	6.4	164	2.57	25.2	1.8	5.9	8	<0.1	0.6	0.3	39	0.06	0.022	17
1223324	Soil		0.8	9.6	10.8	42	0.1	14.3	5.8	153	2.08	13.1	1.3	3.8	7	<0.1	0.5	0.3	41	0.06	0.024	13
1223325	Soil		0.7	29.3	15.2	62	<0.1	29.2	8.6	225	2.78	34.5	13.9	9.1	6	<0.1	0.7	0.3	24	0.04	0.016	23
1223326	Soil		0.6	34.3	13.0	67	<0.1	29.9	11.4	326	2.79	42.4	3.1	9.3	10	0.1	0.6	0.4	27	0.09	0.027	27
1223327	Soil		0.9	22.9	18.0	71	0.1	26.0	9.8	296	2.82	43.4	2.7	7.4	10	0.2	0.7	0.4	32	0.08	0.047	24
1223328	Soil		1.0	21.2	18.0	61	0.1	21.4	9.1	292	2.52	30.4	10.3	3.7	9	0.3	0.6	0.4	33	0.07	0.055	24
1223329	Soil		0.8	20.7	15.1	52	<0.1	19.4	7.2	188	2.17	20.3	5.2	5.6	11	0.1	0.6	0.3	27	0.08	0.027	20
1223330	Soil		0.8	15.7	8.7	47	<0.1	13.1	4.8	106	1.80	7.4	5.8	2.3	11	0.2	0.5	0.2	36	0.13	0.054	15
1223331	Soil		0.8	13.6	8.9	46	<0.1	13.2	5.4	108	1.78	7.3	3.4	2.5	11	0.2	0.5	0.2	37	0.12	0.058	14
1223332	Soil		0.6	13.1	7.9	42	<0.1	12.3	4.4	96	1.66	7.2	5.8	1.4	10	0.2	0.5	0.1	35	0.14	0.048	13
1223333	Soil		0.7	17.4	8.2	49	<0.1	14.2	5.2	118	1.78	8.2	4.9	2.7	11	0.1	0.6	0.1	36	0.15	0.062	15
1223334	Soil		0.9	16.2	8.8	44	<0.1	13.9	4.9	108	1.81	7.6	2.5	2.1	10	0.1	0.6	0.2	40	0.12	0.047	15
1223335	Soil		0.8	22.8	9.2	54	<0.1	16.9	7.2	184	2.03	8.8	3.9	3.7	14	0.1	0.7	0.2	41	0.16	0.057	18
1223336	Soil		0.7	18.5	8.8	47	<0.1	18.0	6.2	151	2.03	8.3	1.9	3.6	8	0.1	0.7	0.2	35	0.08	0.026	17
1223337	Soil		1.2	16.2	11.6	41	<0.1	13.1	5.7	150	2.42	10.9	0.5	5.2	6	0.1	0.7	0.3	40	0.04	0.033	23
1223338	Soil		0.8	23.5	12.0	53	<0.1	19.8	6.6	205	2.27	7.4	0.7	4.8	6	0.1	0.7	0.2	24	0.04	0.034	27
1223339	Soil		0.5	25.4	11.2	48	<0.1	18.9	6.8	213	2.03	7.3	1.7	6.7	7	0.1	0.7	0.2	25	0.06	0.020	24
1223340	Soil		0.6	20.9	11.4	44	<0.1	16.5	6.2	155	2.02	7.4	0.6	6.5	6	<0.1	0.7	0.2	27	0.04	0.018	24
1223341	Soil		0.7	18.5	10.3	38	<0.1	14.6	5.7	123	1.71	6.5	2.0	5.3	6	<0.1	0.6	0.2	29	0.04	0.015	21
1223342	Soil		0.9	20.3	10.1	40	<0.1	17.1	5.6	184	2.35	10.3	1.1	5.4	4	0.1	1.0	0.2	28	0.02	0.033	23
1223343	Soil		1.3	9.5	10.8	47	<0.1	14.6	6.9	204	3.21	16.3	1.6	3.3	8	0.1	0.8	0.2	58	0.07	0.036	11
1223344	Soil		1.1	15.2	13.0	70	<0.1	20.9	8.9	183	2.48	11.0	1.5	3.8	9	0.3	0.5	0.3	61	0.08	0.041	11
1223345	Soil		1.0	19.5	12.5	42	<0.1	16.8	6.2	162	2.11	9.9	2.4	5.6	8	<0.1	0.7	0.2	39	0.06	0.025	17
1223346	Soil		1.3	19.5	11.6	60	<0.1	20.7	8.1	229	3.08	15.1	4.5	3.1	9	0.2	0.8	0.2	60	0.08	0.093	11
1223347	Soil		0.8	19.1	9.0	50	<0.1	16.3	5.9	188	1.80	6.9	3.2	4.6	11	<0.1	0.7	0.1	28	0.11	0.041	18

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

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223318	Soil		25	0.32	123	0.028	<1	1.56	0.005	0.04	0.2	0.04	1.8	0.1	<0.05	5	<0.5	<0.2
1223319	Soil		19	0.23	143	0.026	<1	1.04	0.005	0.04	0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1223320	Soil		24	0.36	102	0.028	<1	1.47	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223321	Soil		23	0.35	114	0.021	<1	1.63	0.004	0.04	0.1	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1223322	Soil		18	0.32	106	0.018	<1	1.25	0.004	0.04	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1223323	Soil		23	0.38	127	0.028	<1	1.55	0.006	0.04	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1223324	Soil		20	0.29	112	0.027	<1	1.25	0.004	0.04	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223325	Soil		25	0.48	114	0.010	<1	1.51	0.004	0.03	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223326	Soil		24	0.55	164	0.020	<1	1.52	0.006	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223327	Soil		24	0.50	138	0.023	<1	1.50	0.005	0.05	0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1223328	Soil		20	0.41	153	0.022	<1	1.37	0.005	0.04	0.2	0.01	1.6	0.1	<0.05	5	<0.5	<0.2
1223329	Soil		20	0.37	149	0.024	<1	1.27	0.004	0.04	0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1223330	Soil		20	0.26	109	0.027	2	1.09	0.005	0.03	0.1	0.03	1.7	<0.1	0.05	3	<0.5	<0.2
1223331	Soil		19	0.27	98	0.026	2	1.03	0.004	0.03	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223332	Soil		18	0.26	87	0.026	1	1.05	0.005	0.03	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1223333	Soil		20	0.28	117	0.030	1	1.07	0.005	0.03	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1223334	Soil		21	0.27	111	0.027	2	1.15	0.005	0.04	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1223335	Soil		23	0.36	177	0.033	1	1.22	0.006	0.04	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1223336	Soil		21	0.30	100	0.027	<1	1.12	0.009	0.03	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1223337	Soil		16	0.14	92	0.013	<1	1.12	0.003	0.04	0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1223338	Soil		16	0.21	115	0.011	<1	0.95	0.003	0.04	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1223339	Soil		17	0.27	156	0.021	<1	0.97	0.004	0.04	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223340	Soil		16	0.22	116	0.016	<1	1.04	0.003	0.04	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223341	Soil		17	0.23	118	0.026	<1	0.98	0.005	0.03	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1223342	Soil		14	0.13	81	0.010	<1	0.93	0.003	0.04	0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1223343	Soil		29	0.36	137	0.033	<1	1.42	0.005	0.04	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1223344	Soil		28	0.30	258	0.033	<1	1.84	0.007	0.05	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1223345	Soil		22	0.26	179	0.020	1	1.44	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223346	Soil		30	0.38	141	0.024	<1	1.71	0.005	0.05	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1223347	Soil		18	0.28	153	0.028	<1	0.92	0.004	0.04	0.2	0.02	2.0	<0.1	<0.05	3	0.7	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223348	Soil		0.9	13.7	8.6	50	<0.1	16.1	5.9	163	1.80	7.5	4.4	4.9	10	0.2	0.7	0.1	27	0.10	0.055	19
1223349	Soil		0.3	11.2	11.0	33	<0.1	10.4	3.8	87	1.39	4.1	1.4	6.8	8	<0.1	0.5	0.2	16	0.09	0.031	24
1223350	Soil		0.5	18.4	10.6	46	<0.1	15.4	6.8	227	2.01	6.8	1.7	7.6	7	<0.1	0.7	0.2	20	0.06	0.032	27
1223351	Soil		0.8	16.5	13.9	43	<0.1	15.8	5.1	165	2.03	31.0	4.1	5.1	8	0.1	0.4	0.2	25	0.05	0.046	27
1223352	Soil		0.8	16.9	14.0	39	<0.1	14.0	5.0	134	1.85	22.5	2.2	3.1	8	0.1	0.4	0.2	27	0.07	0.036	18
1223353	Soil		1.0	16.3	14.5	45	0.1	15.3	5.5	151	2.37	24.7	2.2	5.1	7	<0.1	0.5	0.2	36	0.05	0.034	17
1223355	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1223356	Soil		0.8	16.0	9.0	32	0.2	12.0	3.3	191	1.16	9.4	1.3	0.2	9	0.3	0.3	0.1	24	0.09	0.069	14
1223357	Soil		1.2	15.8	11.7	38	<0.1	13.0	3.7	164	2.37	13.8	2.7	0.9	7	0.1	0.6	0.3	76	0.07	0.026	19
1223358	Soil		0.9	16.1	16.8	51	<0.1	17.4	8.7	261	2.61	16.9	1.4	2.3	8	0.1	0.7	0.2	43	0.08	0.041	14
1223359	Soil		1.4	10.2	14.9	34	<0.1	11.9	4.1	279	2.72	13.5	14.5	0.9	6	0.1	0.7	0.2	55	0.06	0.038	11
1223360	Soil		1.0	28.7	17.7	64	<0.1	27.6	15.2	546	2.64	16.2	3.8	5.0	9	0.2	0.6	0.2	34	0.13	0.061	17
1223361	Soil		0.9	11.0	11.6	30	<0.1	9.8	3.7	148	1.86	11.8	11.4	0.5	6	<0.1	0.5	0.2	43	0.05	0.026	14
1223362	Soil		0.7	23.1	15.3	52	<0.1	20.6	6.6	181	2.33	7.7	2.3	4.1	8	<0.1	0.6	0.2	29	0.08	0.044	21
1223363	Soil		0.6	34.1	18.2	72	0.1	38.4	17.3	450	2.85	18.9	1.6	9.2	6	0.1	0.5	0.2	24	0.07	0.038	28
1223364	Soil		0.8	16.6	17.1	41	0.3	18.9	5.9	154	2.08	33.1	5.7	2.0	6	0.1	0.5	0.2	28	0.05	0.038	17
1223365	Soil		0.9	11.3	18.8	34	<0.1	12.5	4.1	162	2.49	16.0	0.7	2.3	7	<0.1	0.6	0.2	44	0.07	0.035	14
1223366	Soil		1.2	10.7	13.2	28	<0.1	10.0	3.1	130	1.54	21.4	18.6	1.6	6	<0.1	0.5	0.2	38	0.04	0.027	21
1223367	Soil		0.7	7.0	9.9	21	0.3	6.0	2.4	118	1.23	12.2	2.0	0.2	5	<0.1	0.3	0.2	26	0.04	0.043	13
1223368	Soil		1.0	11.1	17.5	32	0.2	11.7	3.6	137	1.81	14.5	1.9	0.7	6	0.2	0.3	0.2	35	0.05	0.039	11
1223369	Soil		0.9	15.7	13.9	46	0.3	15.5	5.9	197	2.15	12.1	4.7	0.4	9	0.1	0.5	0.2	32	0.07	0.060	12
1223370	Soil		1.1	16.3	12.1	53	0.1	16.8	6.0	234	2.22	12.5	14.8	0.9	10	0.2	0.5	0.2	38	0.13	0.066	14
1223371	Soil		0.8	10.8	8.7	39	<0.1	10.7	3.7	114	1.82	8.8	5.5	0.3	7	0.1	0.3	0.1	34	0.05	0.038	11
1223372	Soil		1.0	17.3	13.3	51	<0.1	15.0	5.4	203	2.25	11.8	5.6	0.9	10	0.1	0.5	0.2	39	0.11	0.060	14
1223373	Soil		0.7	15.6	10.5	45	<0.1	13.3	4.9	160	1.96	11.3	62.2	0.8	9	<0.1	0.5	0.2	36	0.12	0.057	13
1223374	Soil		0.8	9.0	9.1	27	<0.1	7.9	2.5	67	1.37	8.4	1.3	0.2	7	<0.1	0.3	0.2	30	0.06	0.037	10
1223375	Soil		0.8	14.2	16.5	38	0.1	9.5	3.2	106	1.74	16.9	2.4	0.7	8	0.1	0.4	0.2	25	0.08	0.048	14
1223376	Soil		0.8	16.6	12.4	46	<0.1	10.6	4.0	160	2.24	10.8	0.9	1.5	8	0.1	0.4	0.2	26	0.08	0.048	19
1223377	Soil		0.7	15.3	10.3	42	<0.1	11.4	3.6	135	1.89	9.6	2.3	1.0	8	<0.1	0.4	0.2	25	0.08	0.044	18
1223378	Soil		0.8	12.0	12.0	33	<0.1	8.1	2.7	102	1.68	9.5	1.3	0.4	7	<0.1	0.3	0.2	23	0.06	0.047	15

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223348	Soil	16	0.24	122	0.025	<1	0.90	0.004	0.04	0.2	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1223349	Soil	12	0.20	96	0.009	<1	0.76	0.003	0.07	0.1	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1223350	Soil	15	0.25	132	0.011	<1	0.95	0.005	0.07	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223351	Soil	17	0.24	108	0.014	2	1.02	0.004	0.07	0.3	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223352	Soil	17	0.24	121	0.015	<1	1.02	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223353	Soil	22	0.28	133	0.016	<1	1.36	0.004	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223355	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1223356	Soil	13	0.10	112	0.006	1	0.59	0.006	0.03	<0.1	0.06	0.2	<0.1	0.05	3	0.5	<0.2
1223357	Soil	22	0.20	78	0.025	<1	1.26	0.004	0.02	0.1	0.02	1.2	<0.1	<0.05	8	<0.5	<0.2
1223358	Soil	22	0.31	72	0.021	<1	1.34	0.004	0.03	0.2	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1223359	Soil	20	0.14	76	0.020	<1	0.86	0.004	0.03	0.1	0.03	0.9	<0.1	<0.05	5	<0.5	<0.2
1223360	Soil	24	0.43	82	0.019	<1	1.30	0.004	0.04	0.2	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1223361	Soil	18	0.17	61	0.011	<1	1.01	0.003	0.03	0.1	0.03	0.7	<0.1	<0.05	5	<0.5	<0.2
1223362	Soil	25	0.43	79	0.008	<1	1.36	0.004	0.04	<0.1	0.05	1.6	<0.1	<0.05	4	0.5	<0.2
1223363	Soil	19	0.46	116	0.009	<1	1.37	0.004	0.05	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223364	Soil	19	0.24	74	0.011	<1	0.97	0.006	0.04	0.1	0.04	1.0	<0.1	<0.05	3	<0.5	<0.2
1223365	Soil	21	0.24	49	0.021	<1	1.13	0.004	0.03	0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
1223366	Soil	14	0.12	38	0.016	<1	0.58	0.003	0.04	0.2	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2
1223367	Soil	11	0.11	35	0.009	4	0.61	0.004	0.03	0.1	0.05	0.3	<0.1	0.07	4	<0.5	<0.2
1223368	Soil	18	0.16	49	0.011	3	0.85	0.005	0.03	0.2	0.06	0.8	<0.1	<0.05	4	0.5	<0.2
1223369	Soil	20	0.31	135	0.009	3	1.16	0.006	0.04	0.2	0.04	1.0	<0.1	<0.05	4	0.6	<0.2
1223370	Soil	23	0.34	83	0.020	<1	1.04	0.010	0.04	0.5	0.03	1.2	<0.1	<0.05	4	0.7	<0.2
1223371	Soil	18	0.24	73	0.011	1	0.91	0.005	0.03	0.3	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1223372	Soil	23	0.38	112	0.020	1	1.25	0.006	0.04	0.4	0.04	1.3	<0.1	<0.05	4	0.6	<0.2
1223373	Soil	19	0.32	97	0.021	1	1.06	0.004	0.03	0.2	0.05	1.1	0.1	<0.05	3	<0.5	<0.2
1223374	Soil	15	0.22	67	0.013	<1	0.76	0.004	0.03	0.2	0.06	0.5	<0.1	<0.05	3	<0.5	<0.2
1223375	Soil	16	0.27	57	0.010	<1	0.92	0.004	0.03	0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1223376	Soil	20	0.38	71	0.012	<1	1.11	0.004	0.03	0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1223377	Soil	18	0.33	62	0.014	<1	0.96	0.004	0.03	0.2	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1223378	Soil	17	0.26	59	0.008	<1	0.91	0.005	0.03	0.2	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	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
1223379	Soil	0.7	18.9	15.8	42	<0.1	12.0	3.8	144	1.95	12.9	3.2	2.3	8	<0.1	0.5	0.2	25	0.09	0.046	18
1223380	Soil	0.6	15.9	17.2	36	0.1	9.5	3.1	110	1.69	12.1	1.5	1.0	8	0.1	0.4	0.2	21	0.07	0.046	19
1223381	Soil	0.7	11.5	10.4	34	<0.1	9.0	3.0	93	1.66	8.9	1.3	1.3	7	0.1	0.3	0.1	25	0.08	0.034	15
1223382	Soil	0.6	15.5	9.4	42	<0.1	11.7	4.3	165	1.88	8.9	13.9	2.4	8	<0.1	0.4	0.1	27	0.09	0.041	16
1223383	Soil	0.6	10.6	8.8	31	<0.1	9.4	2.9	95	1.43	7.1	4.6	0.4	7	<0.1	0.3	0.1	24	0.07	0.039	13
1223384	Soil	0.7	18.5	12.4	46	<0.1	14.5	5.7	190	1.94	9.3	2.6	1.4	8	0.2	0.4	0.1	26	0.08	0.040	16
1223385	Soil	0.7	10.2	7.8	36	<0.1	10.5	3.5	95	1.48	7.0	1.5	0.7	7	<0.1	0.3	0.1	27	0.07	0.030	13
1223386	Soil	0.5	12.7	9.1	36	<0.1	11.3	3.5	94	1.52	8.1	1.6	0.7	7	<0.1	0.4	0.1	25	0.09	0.036	14
1223387	Soil	0.6	13.3	8.4	39	<0.1	12.1	3.6	108	1.85	9.4	9.2	1.2	8	<0.1	0.4	0.1	29	0.10	0.041	11
1223388	Soil	0.7	17.1	10.5	39	<0.1	11.9	3.8	123	1.76	9.2	1.8	0.9	7	<0.1	0.4	0.2	26	0.08	0.035	16
1223389	Soil	0.5	11.4	10.1	19	<0.1	5.5	1.6	47	1.15	6.2	0.8	0.3	6	<0.1	0.2	0.2	24	0.05	0.039	12
1223390	Soil	0.6	10.1	9.5	37	<0.1	10.6	3.3	90	1.76	11.4	4.9	0.6	8	<0.1	0.3	0.1	30	0.09	0.042	12
1223391	Soil	0.5	9.5	10.8	33	<0.1	10.3	3.1	87	1.54	9.2	2.6	0.6	8	<0.1	0.3	0.1	29	0.08	0.034	12
1223392	Soil	0.8	19.4	13.1	50	<0.1	15.3	6.3	233	1.97	12.0	5.7	2.1	8	0.1	0.5	0.2	30	0.07	0.039	14
1223393	Soil	1.0	20.9	10.7	49	<0.1	16.2	5.6	215	2.07	11.5	1.4	1.0	9	0.1	0.6	0.1	32	0.09	0.054	12
1223394	Soil	0.7	16.4	9.7	43	<0.1	14.1	5.5	185	1.92	9.5	3.0	1.4	9	0.1	0.4	0.1	30	0.09	0.052	13
1223395	Soil	0.6	11.6	10.0	34	<0.1	10.9	3.8	113	1.50	8.8	<0.5	0.6	7	0.2	0.3	0.1	28	0.06	0.039	12
1223396	Soil	0.7	12.7	11.1	38	<0.1	13.4	4.1	120	1.70	9.1	1.6	1.2	7	<0.1	0.3	0.1	31	0.07	0.034	13
1223397	Soil	0.9	10.1	9.7	30	<0.1	10.8	3.0	80	1.37	7.4	7.9	0.3	7	<0.1	0.3	0.1	26	0.06	0.034	11
1223398	Soil	0.6	17.0	9.2	45	<0.1	15.1	5.3	176	1.99	9.7	0.6	1.9	7	<0.1	0.4	0.1	30	0.09	0.043	13

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223379	Soil	17	0.31	69	0.016	<1	0.91	0.004	0.03	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1223380	Soil	17	0.26	71	0.010	<1	0.97	0.004	0.03	0.2	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1223381	Soil	17	0.27	52	0.018	1	0.92	0.005	0.03	0.1	0.04	1.0	<0.1	<0.05	3	<0.5	<0.2
1223382	Soil	18	0.33	59	0.020	<1	0.94	0.003	0.03	0.2	0.02	1.2	<0.1	<0.05	3	0.6	<0.2
1223383	Soil	16	0.23	52	0.013	<1	0.90	0.005	0.03	0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1223384	Soil	19	0.34	99	0.016	1	1.10	0.005	0.03	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1223385	Soil	16	0.27	54	0.018	<1	0.83	0.004	0.03	0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1223386	Soil	17	0.26	61	0.015	<1	0.91	0.004	0.03	0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1223387	Soil	19	0.28	64	0.018	<1	1.02	0.005	0.03	0.2	0.06	1.1	<0.1	<0.05	3	<0.5	<0.2
1223388	Soil	17	0.30	66	0.017	<1	0.94	0.006	0.03	0.1	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1223389	Soil	15	0.15	50	0.009	<1	0.85	0.007	0.02	0.1	0.03	0.3	<0.1	<0.05	4	<0.5	<0.2
1223390	Soil	17	0.27	56	0.018	<1	0.90	0.004	0.03	0.2	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1223391	Soil	16	0.26	87	0.019	<1	0.86	0.004	0.03	0.2	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
1223392	Soil	18	0.33	97	0.022	<1	1.02	0.006	0.03	0.2	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1223393	Soil	19	0.31	94	0.018	<1	1.00	0.005	0.04	0.2	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1223394	Soil	18	0.29	86	0.020	2	1.04	0.005	0.03	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1223395	Soil	16	0.22	79	0.019	<1	0.85	0.005	0.03	0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1223396	Soil	18	0.25	73	0.019	<1	0.95	0.006	0.03	0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1223397	Soil	16	0.21	61	0.015	<1	0.92	0.005	0.03	0.1	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1223398	Soil	19	0.33	92	0.016	<1	1.14	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	3	0.5	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001046.1

	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																					
1222663	Soil	0.9	22.4	10.2	59	0.1	19.7	7.5	270	2.20	11.4	7.2	1.2	10	0.1	0.6	0.1	36	0.11	0.060	16
REP 1222663	QC	0.9	23.1	10.1	60	0.1	19.3	7.7	276	2.22	11.1	1.1	1.5	9	0.1	0.6	0.2	34	0.11	0.060	15
1222682	Soil	1.2	13.0	14.6	33	0.3	10.0	4.7	154	2.97	10.9	0.8	3.1	7	0.2	0.6	0.2	52	0.06	0.036	11
REP 1222682	QC	1.2	12.5	14.6	32	0.2	10.0	4.7	147	2.82	11.5	1.0	3.1	7	0.1	0.6	0.3	49	0.06	0.035	10
1222955	Soil	1.0	29.6	12.9	60	<0.1	22.7	9.6	296	2.64	12.8	0.5	1.2	10	0.2	0.7	0.2	44	0.11	0.065	20
REP 1222955	QC	1.0	30.3	13.0	66	<0.1	24.1	10.0	301	2.84	12.6	2.8	1.3	11	0.1	0.7	0.2	46	0.11	0.067	19
1222960	Soil	1.3	17.8	11.4	59	<0.1	17.6	7.6	260	2.78	11.7	0.6	1.7	11	0.1	0.6	0.2	53	0.11	0.077	15
REP 1222960	QC	1.1	17.1	11.6	54	<0.1	16.0	7.2	218	2.50	11.0	1.8	1.4	9	0.1	0.6	0.2	46	0.09	0.074	15
1222994	Soil	1.0	10.8	12.9	49	<0.1	12.4	4.5	137	2.58	36.5	6.3	3.4	9	0.1	0.6	0.2	38	0.08	0.040	15
REP 1222994	QC	1.0	11.2	13.3	49	<0.1	12.1	4.6	138	2.61	36.9	4.4	3.6	9	0.1	0.6	0.2	39	0.08	0.041	15
1223092	Soil	0.9	32.1	12.7	61	<0.1	22.9	8.5	239	2.50	11.0	5.1	8.7	7	0.1	1.6	0.2	27	0.05	0.014	26
REP 1223092	QC	1.0	31.5	13.0	59	<0.1	22.9	8.8	238	2.51	11.3	1.5	8.7	7	0.1	1.5	0.2	30	0.04	0.015	27
1223098	Soil	1.1	27.2	30.8	93	<0.1	17.6	8.0	237	2.45	379.3	18.9	10.8	12	0.2	7.0	0.3	18	0.18	0.030	34
REP 1223098	QC	1.0	27.0	30.6	98	<0.1	17.3	7.5	238	2.46	372.5	17.6	11.2	12	0.2	6.8	0.2	19	0.18	0.028	33
1223213	Soil	0.3	19.6	10.3	55	<0.1	19.0	7.5	233	2.12	7.1	0.7	10.2	11	0.1	0.6	0.2	15	0.11	0.049	33
REP 1223213	QC	0.3	19.9	10.3	54	<0.1	19.1	7.2	233	2.14	7.0	0.8	9.7	11	0.1	0.6	0.2	14	0.10	0.048	32
1223229	Soil	1.1	16.7	15.5	42	<0.1	17.5	5.8	132	2.10	10.8	0.8	6.7	7	<0.1	0.7	0.1	31	0.06	0.018	25
REP 1223229	QC	1.1	17.0	14.6	42	<0.1	17.9	5.7	137	2.18	10.9	2.7	6.8	6	<0.1	0.7	0.1	32	0.05	0.018	25
1223256	Soil	0.7	16.3	11.8	43	<0.1	15.5	5.6	138	1.92	13.2	5.9	6.0	8	<0.1	0.4	0.2	28	0.07	0.024	22
REP 1223256	QC	0.8	16.8	11.8	45	<0.1	14.6	5.7	143	1.89	13.2	2.2	5.8	8	<0.1	0.4	0.2	29	0.07	0.026	22
1223266	Soil	0.8	16.9	14.5	57	<0.1	19.6	8.9	189	2.31	12.9	7.2	5.5	6	0.1	0.5	0.2	32	0.05	0.030	17
REP 1223266	QC	0.7	16.1	14.5	52	<0.1	18.1	8.8	178	2.21	12.4	6.1	5.7	6	0.1	0.5	0.2	31	0.05	0.030	17
1223288	Soil	0.5	27.6	27.8	89	0.2	24.7	8.7	485	2.61	48.9	5.7	9.1	11	0.5	0.5	0.7	18	0.09	0.044	29
REP 1223288	QC	0.4	26.6	27.4	86	0.2	24.1	8.6	483	2.55	45.4	10.2	8.8	10	0.3	0.5	0.7	17	0.09	0.042	27
1223308	Soil	0.9	12.5	13.8	43	0.2	15.0	5.5	244	2.29	19.4	8.4	2.0	12	0.2	0.6	0.3	39	0.12	0.038	11
REP 1223308	QC	0.9	12.0	13.9	41	0.2	14.5	5.5	230	2.24	19.0	3.1	2.0	12	0.1	0.6	0.3	37	0.13	0.037	11
1223316	Soil	1.1	30.1	37.7	68	0.2	20.7	7.1	190	3.30	74.5	15.9	7.9	9	0.2	1.0	0.4	29	0.05	0.025	19
REP 1223316	QC	1.1	29.6	37.1	67	0.2	20.2	6.9	189	3.19	72.7	7.9	7.9	8	0.2	0.9	0.4	28	0.05	0.026	20

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QUALITY CONTROL REPORT WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1222663	Soil	24	0.38	108	0.023	<1	1.40	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1222663	QC	24	0.38	110	0.018	<1	1.38	0.008	0.03	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222682	Soil	23	0.25	90	0.029	1	1.51	0.004	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
REP 1222682	QC	22	0.25	84	0.026	<1	1.51	0.004	0.04	0.2	0.05	1.6	0.1	<0.05	5	0.5	<0.2
1222955	Soil	26	0.40	130	0.021	1	1.53	0.006	0.05	0.2	0.04	1.6	<0.1	0.14	5	<0.5	<0.2
REP 1222955	QC	27	0.42	136	0.021	6	1.53	0.006	0.05	0.1	0.03	1.7	<0.1	0.16	5	<0.5	<0.2
1222960	Soil	32	0.39	99	0.030	2	1.66	0.005	0.05	0.2	0.03	2.2	0.1	0.19	5	0.6	<0.2
REP 1222960	QC	27	0.38	99	0.025	1	1.57	0.005	0.04	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1222994	Soil	20	0.31	70	0.028	<1	1.04	0.004	0.04	0.3	0.03	1.6	<0.1	<0.05	4	0.8	<0.2
REP 1222994	QC	21	0.32	71	0.029	<1	1.06	0.004	0.03	0.3	0.03	1.7	<0.1	<0.05	4	0.8	<0.2
1223092	Soil	21	0.38	149	0.020	<1	1.25	0.005	0.05	0.1	0.03	2.9	<0.1	<0.05	3	0.5	<0.2
REP 1223092	QC	21	0.39	147	0.021	<1	1.26	0.005	0.05	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1223098	Soil	13	0.24	229	0.004	<1	0.86	0.004	0.06	0.1	0.01	2.3	<0.1	0.06	2	<0.5	<0.2
REP 1223098	QC	13	0.24	223	0.005	<1	0.90	0.004	0.06	0.1	0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
1223213	Soil	13	0.31	68	0.015	<1	0.80	0.003	0.08	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
REP 1223213	QC	13	0.30	67	0.014	<1	0.80	0.003	0.08	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1223229	Soil	19	0.23	142	0.011	<1	1.17	0.004	0.05	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
REP 1223229	QC	19	0.23	135	0.010	<1	1.14	0.004	0.04	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1223256	Soil	18	0.31	112	0.027	<1	1.20	0.004	0.05	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1223256	QC	18	0.30	116	0.026	<1	1.20	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223266	Soil	19	0.23	88	0.012	<1	1.32	0.003	0.05	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
REP 1223266	QC	19	0.26	90	0.012	<1	1.37	0.003	0.05	0.1	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
1223288	Soil	17	0.40	74	0.020	<1	1.15	0.003	0.09	0.4	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
REP 1223288	QC	17	0.39	70	0.020	<1	1.11	0.003	0.09	0.4	<0.01	1.5	0.1	<0.05	3	<0.5	<0.2
1223308	Soil	19	0.32	190	0.027	<1	0.98	0.005	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1223308	QC	19	0.30	184	0.027	<1	0.94	0.005	0.05	0.3	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1223316	Soil	22	0.48	88	0.019	<1	1.43	0.004	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
REP 1223316	QC	21	0.46	85	0.020	<1	1.46	0.004	0.04	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2

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

Project: LUG+TS
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001046.1

		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
1223332	Soil	0.6	13.1	7.9	42	<0.1	12.3	4.4	96	1.66	7.2	5.8	1.4	10	0.2	0.5	0.1	35	0.14	0.048	13
REP 1223332	QC	0.7	13.5	8.0	45	<0.1	13.0	4.5	98	1.75	8.1	1.1	1.5	11	0.2	0.5	0.2	36	0.13	0.049	13
1223353	Soil	1.0	16.3	14.5	45	0.1	15.3	5.5	151	2.37	24.7	2.2	5.1	7	<0.1	0.5	0.2	36	0.05	0.034	17
REP 1223353	QC	1.0	17.0	14.8	48	0.1	15.8	5.7	163	2.42	24.9	1.3	4.8	7	<0.1	0.5	0.2	38	0.06	0.034	17
1223379	Soil	0.7	18.9	15.8	42	<0.1	12.0	3.8	144	1.95	12.9	3.2	2.3	8	<0.1	0.5	0.2	25	0.09	0.046	18
REP 1223379	QC	0.7	18.9	15.8	41	<0.1	11.5	3.8	142	1.92	13.0	2.7	2.0	8	<0.1	0.4	0.2	24	0.09	0.045	18
1223386	Soil	0.5	12.7	9.1	36	<0.1	11.3	3.5	94	1.52	8.1	1.6	0.7	7	<0.1	0.4	0.1	25	0.09	0.036	14
REP 1223386	QC	0.6	12.4	9.0	36	<0.1	11.4	3.5	94	1.51	8.1	1.2	0.7	7	<0.1	0.3	0.1	24	0.08	0.036	13
Reference Materials																					
STD DS8	Standard	13.2	112.9	127.4	325	1.9	38.1	7.3	632	2.54	24.6	109.1	6.8	69	2.3	5.7	6.7	42	0.72	0.081	15
STD DS8	Standard	13.2	103.2	111.8	293	1.7	35.8	7.0	578	2.33	24.5	116.4	5.6	60	2.0	4.8	5.4	40	0.67	0.078	14
STD DS8	Standard	14.1	111.8	126.2	315	1.7	39.0	7.7	605	2.50	25.0	111.4	6.4	60	2.6	5.4	6.5	45	0.67	0.084	15
STD DS8	Standard	13.5	112.3	126.8	314	1.8	39.0	7.8	625	2.51	25.6	109.3	6.8	65	2.6	5.9	6.6	45	0.68	0.080	15
STD DS8	Standard	13.5	117.2	125.3	327	1.8	40.3	8.1	663	2.58	27.9	118.9	7.0	68	2.4	5.5	6.2	47	0.72	0.082	16
STD DS8	Standard	13.0	106.2	117.4	290	1.6	35.3	6.8	558	2.23	23.9	115.7	7.0	62	2.2	5.2	6.6	40	0.66	0.079	16
STD DS8	Standard	13.4	104.2	117.9	311	1.7	34.8	7.0	597	2.49	23.6	109.8	5.8	60	2.2	5.1	5.9	41	0.64	0.075	14
STD DS8	Standard	13.4	119.0	132.6	323	1.8	37.6	7.8	643	2.44	26.4	121.7	7.2	63	2.5	6.1	7.5	46	0.71	0.085	17
STD DS8	Standard	12.8	108.1	118.6	298	1.8	36.0	7.1	568	2.27	24.4	108.8	6.7	60	2.2	5.1	6.2	42	0.65	0.074	15
STD DS8	Standard	12.3	118.5	124.1	316	1.9	40.2	7.9	625	2.49	27.3	119.1	6.2	60	2.4	5.7	6.7	44	0.67	0.084	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
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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www.acmelab.com

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

Project: LUG+TS
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001046.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1223332	Soil	18	0.26	87	0.026	1	1.05	0.005	0.03	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 1223332	QC	19	0.27	86	0.022	2	1.08	0.004	0.03	0.2	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223353	Soil	22	0.28	133	0.016	<1	1.36	0.004	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1223353	QC	23	0.29	135	0.014	<1	1.33	0.004	0.04	0.2	0.02	1.7	<0.1	<0.05	4	0.5	<0.2
1223379	Soil	17	0.31	69	0.016	<1	0.91	0.004	0.03	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
REP 1223379	QC	17	0.31	68	0.015	<1	0.90	0.004	0.03	0.2	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1223386	Soil	17	0.26	61	0.015	<1	0.91	0.004	0.03	0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
REP 1223386	QC	16	0.26	61	0.015	<1	0.88	0.005	0.03	0.1	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	122	0.62	292	0.119	3	0.96	0.105	0.44	3.3	0.19	3.4	5.6	0.12	5	5.4	4.8
STD DS8	Standard	109	0.60	280	0.104	4	0.90	0.098	0.41	2.7	0.19	2.4	5.2	0.16	5	5.5	4.5
STD DS8	Standard	115	0.62	262	0.110	1	0.91	0.091	0.40	2.7	0.20	2.0	5.4	0.15	5	5.4	4.6
STD DS8	Standard	120	0.61	291	0.116	3	0.94	0.097	0.43	3.0	0.20	2.5	5.5	0.17	5	4.9	5.3
STD DS8	Standard	122	0.64	294	0.119	2	0.95	0.094	0.44	3.1	0.22	2.2	5.7	0.22	5	5.7	5.2
STD DS8	Standard	107	0.56	278	0.110	2	0.83	0.077	0.39	2.8	0.19	2.3	5.2	0.21	4	4.9	4.7
STD DS8	Standard	109	0.61	270	0.098	3	0.90	0.085	0.40	2.8	0.20	2.0	5.3	0.16	5	5.0	5.1
STD DS8	Standard	117	0.63	289	0.121	3	0.95	0.085	0.39	3.1	0.18	2.1	5.4	0.22	5	5.3	4.9
STD DS8	Standard	109	0.58	273	0.106	3	0.83	0.085	0.40	3.0	0.19	2.0	5.4	0.15	4	5.0	5.0
STD DS8	Standard	121	0.64	272	0.105	2	0.92	0.088	0.41	3.5	0.22	2.2	5.7	0.14	5	5.4	5.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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

Project: LUG+TS
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001046.1

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

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Project: LUG+TS
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QUALITY CONTROL REPORT WHI11001046.1

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

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: November 16, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS WHI11001047.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUGTS(43-61)
P.O. Number
Number of Samples: 200

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	200	Dry at 60C			WHI
SS80	200	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	200	Saving all or part of Soil Reject			WHI
1DX2	200	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223399	Soil		0.6	13.4	9.8	27	<0.1	8.7	2.7	70	1.21	6.6	2.5	0.2	8	<0.1	0.3	0.2	23	0.06	0.044	9
1223400	Soil		0.6	14.9	11.1	41	<0.1	13.7	4.8	185	1.74	9.2	3.2	0.9	8	0.1	0.5	0.2	32	0.08	0.031	13
1223436	Soil		0.7	35.1	20.8	140	0.2	26.3	12.0	473	2.54	28.4	3.2	9.3	21	0.3	0.5	0.3	34	0.23	0.054	25
1223437	Soil		0.6	29.3	16.1	115	0.2	23.3	8.0	299	2.24	16.7	5.5	5.9	27	0.5	0.6	0.2	36	0.33	0.061	18
1223438	Soil		0.6	21.5	16.6	105	0.4	20.8	7.3	250	2.04	13.2	2.0	3.7	24	0.4	0.5	0.2	33	0.28	0.072	15
1223439	Soil		0.6	21.7	16.4	95	0.4	19.4	6.2	176	1.89	11.0	2.6	2.6	21	0.3	0.5	0.2	30	0.23	0.067	13
1223440	Soil		0.7	22.7	15.9	80	0.2	21.1	6.4	177	2.03	15.0	2.5	4.8	14	0.4	0.6	0.2	30	0.15	0.054	16
1223441	Soil		0.4	17.5	12.6	67	0.2	16.8	6.0	185	1.70	9.3	2.3	2.5	13	0.4	0.5	0.2	26	0.14	0.054	13
1223442	Soil		0.5	15.3	15.9	69	0.2	16.2	5.7	161	1.81	11.4	4.2	2.7	13	0.3	0.5	0.2	29	0.14	0.056	13
1223443	Soil		0.5	15.6	15.4	66	0.2	15.9	5.5	171	1.85	12.5	5.5	2.1	12	0.3	0.4	0.2	29	0.13	0.053	14
1223444	Soil		0.7	13.9	15.9	69	0.2	15.1	6.1	199	1.92	15.2	3.6	2.5	12	0.2	0.4	0.2	29	0.12	0.051	13
1223445	Soil		0.6	16.2	14.7	54	0.2	15.1	5.8	274	1.95	28.0	3.1	1.5	11	0.3	0.3	0.3	30	0.09	0.034	15
1223446	Soil		0.8	10.2	16.5	64	<0.1	14.0	5.8	231	2.10	23.8	1.5	3.2	8	0.3	0.4	0.3	32	0.07	0.027	15
1223447	Soil		0.7	19.1	11.8	58	<0.1	19.9	7.9	226	2.19	19.9	5.7	4.3	9	0.4	0.6	0.2	32	0.06	0.026	15
1223448	Soil		0.7	21.5	13.7	64	<0.1	21.4	9.0	264	2.39	22.0	3.7	5.9	10	0.3	0.6	0.2	36	0.07	0.024	15
1223449	Soil		1.1	24.0	11.2	53	0.2	17.0	7.4	251	3.86	31.8	13.4	4.6	7	0.2	0.7	1.4	51	0.05	0.037	11
1223450	Soil		1.0	14.0	10.4	34	0.2	10.7	5.7	158	2.00	14.6	2.2	3.8	6	0.3	0.5	0.5	40	0.03	0.024	12
1223451	Soil		1.2	13.7	14.6	38	<0.1	11.3	4.0	143	2.62	14.8	1.6	3.2	6	0.2	0.6	0.4	52	0.04	0.029	12
1223452	Soil		1.1	19.9	11.1	49	0.2	19.1	7.2	189	2.80	16.2	2.6	6.0	6	0.1	0.6	0.3	39	0.04	0.022	15
1223453	Soil		1.0	28.6	23.6	66	0.2	28.4	14.6	432	2.93	24.4	4.3	8.2	8	0.1	0.8	0.6	40	0.05	0.026	18
1223454	Soil		0.7	24.4	11.8	61	0.1	23.8	10.1	242	2.45	13.5	136.0	6.5	9	<0.1	0.6	0.5	37	0.07	0.025	15
1223455	Soil		1.0	28.9	24.6	70	<0.1	25.2	13.2	347	2.90	12.7	3.8	7.8	9	0.3	0.5	0.5	38	0.06	0.030	16
1223456	Soil		1.2	29.4	23.9	75	<0.1	26.5	14.4	343	3.21	14.4	8.3	8.3	9	0.3	0.6	0.6	42	0.07	0.032	18
1223457	Soil		1.1	24.4	74.0	108	<0.1	23.7	11.0	309	2.99	16.6	6.3	7.3	9	0.5	0.6	0.6	40	0.06	0.029	19
1223458	Soil		1.0	26.5	94.4	93	<0.1	19.5	9.3	298	2.97	20.0	2.6	6.4	10	0.4	0.6	0.5	43	0.07	0.034	16
1223459	Soil		0.9	24.3	23.9	88	<0.1	20.5	8.9	228	2.60	13.6	3.0	8.0	10	0.3	0.5	0.5	36	0.07	0.021	21
1223460	Soil		1.1	28.7	24.6	78	<0.1	21.7	9.6	264	2.45	14.0	2.4	7.7	14	0.3	0.6	0.6	33	0.13	0.048	21
1223461	Soil		1.1	61.6	55.9	35	0.3	14.7	3.7	73	1.96	11.7	2.8	0.5	14	0.6	0.3	0.6	25	0.06	0.072	14
1223462	Soil		1.0	22.3	20.6	62	0.1	17.7	7.0	162	2.22	13.5	3.7	3.8	11	0.2	0.6	0.4	39	0.10	0.037	15
1223463	Soil		0.9	25.3	13.7	59	0.1	17.4	7.7	166	2.14	17.9	7.5	6.8	11	0.1	0.5	0.5	32	0.10	0.033	19

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223399	Soil	14	0.18	86	0.007	<1	0.80	0.005	0.03	<0.1	0.05	0.3	<0.1	<0.05	3	<0.5	<0.2
1223400	Soil	18	0.28	77	0.019	<1	0.95	0.004	0.03	0.2	0.04	1.0	<0.1	<0.05	4	0.7	<0.2
1223436	Soil	26	0.51	194	0.029	<1	1.56	0.009	0.08	0.2	0.02	2.7	0.2	<0.05	5	0.7	<0.2
1223437	Soil	25	0.48	278	0.037	<1	1.32	0.013	0.06	0.2	0.04	2.8	0.1	<0.05	4	0.7	<0.2
1223438	Soil	24	0.44	247	0.026	<1	1.33	0.008	0.06	0.1	0.03	2.3	0.1	<0.05	4	0.6	<0.2
1223439	Soil	22	0.39	200	0.018	<1	1.36	0.006	0.05	0.2	0.05	1.9	0.2	<0.05	4	<0.5	<0.2
1223440	Soil	23	0.38	173	0.025	<1	1.41	0.005	0.06	0.2	0.05	2.0	0.2	<0.05	4	<0.5	<0.2
1223441	Soil	20	0.35	149	0.017	<1	1.11	0.006	0.05	0.2	0.05	1.5	0.1	<0.05	4	0.6	<0.2
1223442	Soil	19	0.35	157	0.020	<1	1.22	0.005	0.05	0.2	0.05	1.7	0.1	<0.05	4	0.7	<0.2
1223443	Soil	20	0.33	137	0.018	<1	1.24	0.004	0.05	0.2	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1223444	Soil	22	0.36	142	0.021	<1	1.33	0.005	0.05	0.2	0.04	1.5	0.1	<0.05	4	<0.5	<0.2
1223445	Soil	20	0.31	142	0.015	<1	1.18	0.004	0.07	0.2	0.03	1.2	0.2	<0.05	4	0.5	<0.2
1223446	Soil	20	0.29	90	0.014	<1	1.07	0.004	0.05	0.2	0.03	1.2	0.1	<0.05	4	0.5	<0.2
1223447	Soil	21	0.34	115	0.020	<1	1.22	0.005	0.05	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1223448	Soil	23	0.38	125	0.024	<1	1.33	0.004	0.06	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1223449	Soil	22	0.28	77	0.019	<1	1.62	0.008	0.05	1.1	0.04	1.8	0.1	<0.05	5	0.7	<0.2
1223450	Soil	17	0.19	67	0.016	2	0.98	0.003	0.04	0.3	0.03	1.2	<0.1	0.05	5	<0.5	<0.2
1223451	Soil	19	0.20	58	0.026	2	1.01	0.003	0.03	0.3	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
1223452	Soil	21	0.31	56	0.022	1	1.14	0.004	0.05	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1223453	Soil	26	0.38	113	0.016	1	1.57	0.004	0.05	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1223454	Soil	25	0.39	100	0.022	2	1.33	0.006	0.06	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1223455	Soil	26	0.37	101	0.021	2	1.59	0.006	0.06	0.3	0.03	2.1	0.2	<0.05	4	0.7	<0.2
1223456	Soil	26	0.39	127	0.020	<1	1.67	0.005	0.06	0.3	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
1223457	Soil	24	0.35	109	0.014	<1	1.49	0.004	0.05	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
1223458	Soil	27	0.40	93	0.017	1	1.52	0.008	0.05	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1223459	Soil	25	0.42	91	0.028	<1	1.32	0.005	0.05	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1223460	Soil	23	0.40	123	0.036	<1	1.14	0.008	0.06	0.2	0.02	1.8	0.1	<0.05	3	<0.5	<0.2
1223461	Soil	21	0.14	212	0.016	1	1.19	0.010	0.04	0.2	0.07	1.3	0.1	<0.05	3	0.6	<0.2
1223462	Soil	23	0.38	161	0.029	1	1.34	0.005	0.04	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1223463	Soil	21	0.36	141	0.032	<1	1.16	0.005	0.05	0.2	0.02	1.8	0.1	<0.05	3	0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223464	Soil		1.0	22.2	13.9	56	<0.1	17.3	7.8	177	2.15	14.3	3.7	2.5	11	0.1	0.5	0.5	33	0.10	0.039	16
1223465	Soil		1.2	29.6	18.9	61	0.2	19.2	8.3	221	2.59	15.4	7.3	5.0	12	0.2	0.5	0.8	44	0.09	0.050	18
1223466	Soil		1.0	16.7	14.5	50	0.1	13.6	7.4	237	2.62	13.5	3.0	4.1	7	0.2	0.6	0.5	51	0.05	0.028	13
1223467	Soil		1.0	66.8	37.5	109	0.8	66.8	32.8	724	4.18	52.1	2.3	20.2	17	<0.1	0.4	0.7	17	0.06	0.026	40
1223468	Soil		1.4	84.6	90.4	162	2.5	46.6	16.6	409	4.12	64.5	12.8	9.4	25	0.6	0.5	1.7	21	0.13	0.047	19
1223469	Soil		0.8	20.6	17.0	54	<0.1	18.0	7.5	248	1.95	13.8	3.5	2.4	11	0.2	0.5	0.2	36	0.11	0.047	17
1223470	Soil		0.7	14.9	12.7	40	<0.1	14.2	5.1	156	2.04	10.0	3.2	1.8	8	<0.1	0.4	0.2	33	0.06	0.029	17
1223471	Soil		0.9	23.0	15.0	48	<0.1	17.6	8.7	261	2.21	49.9	6.2	1.5	10	0.1	0.5	0.3	38	0.08	0.035	20
1223472	Soil		1.1	14.4	15.1	45	<0.1	15.0	7.5	230	2.30	31.6	2.9	3.5	8	0.1	0.6	0.3	48	0.06	0.029	15
1223473	Soil		0.8	26.9	11.6	56	<0.1	20.3	9.5	313	2.13	23.2	4.8	3.8	14	<0.1	0.6	0.2	40	0.13	0.045	18
1223474	Soil		0.9	23.2	10.6	53	0.1	18.1	7.7	222	2.18	14.5	5.3	2.3	15	0.1	0.7	0.2	38	0.16	0.056	15
1223475	Soil		0.7	17.4	11.1	37	<0.1	11.5	4.3	128	1.72	11.5	3.8	0.7	10	<0.1	0.4	0.2	34	0.08	0.050	15
1223476	Soil		0.8	15.8	11.7	44	<0.1	14.9	5.8	171	1.87	13.3	2.0	2.3	10	0.1	0.4	0.2	36	0.10	0.034	15
1223477	Soil		0.7	22.8	12.6	55	<0.1	18.9	7.7	243	2.10	19.4	6.5	6.3	9	<0.1	0.5	0.4	34	0.09	0.033	20
1223478	Soil		0.9	19.0	11.1	50	<0.1	16.5	7.0	210	2.14	15.6	3.0	3.5	11	<0.1	0.6	0.2	38	0.11	0.050	16
1223479	Soil		1.0	23.9	13.8	49	<0.1	17.1	7.8	308	2.17	16.0	9.3	2.3	13	<0.1	0.7	0.3	38	0.10	0.042	17
1223480	Soil		0.9	18.7	17.6	28	<0.1	11.3	4.3	126	1.61	11.2	3.3	0.5	10	<0.1	0.3	0.5	31	0.06	0.078	15
1223481	Soil		1.0	20.9	15.4	48	<0.1	18.9	8.4	226	2.26	19.1	5.8	7.1	8	<0.1	0.5	0.5	40	0.06	0.022	17
1223482	Soil		1.2	20.6	14.6	49	<0.1	18.7	8.2	272	2.19	16.7	5.7	6.5	9	0.1	0.6	0.5	40	0.06	0.032	17
1223483	Soil		1.1	22.9	13.0	52	<0.1	18.6	8.1	249	2.26	14.5	4.6	7.2	11	<0.1	0.6	0.6	41	0.08	0.032	18
1223484	Soil		1.3	30.0	16.6	68	<0.1	26.2	10.7	413	2.58	17.6	6.0	10.9	7	<0.1	0.4	1.1	39	0.06	0.025	20
1223485	Soil		1.0	26.0	19.0	63	<0.1	22.7	10.3	395	2.37	22.2	8.2	9.4	9	0.1	0.6	0.7	36	0.07	0.028	21
1223486	Soil		0.9	18.0	11.8	51	<0.1	17.1	6.9	203	2.05	13.0	6.8	4.8	8	<0.1	0.4	0.5	33	0.09	0.036	16
1223487	Soil		0.8	17.1	12.8	48	0.1	18.2	6.8	181	1.83	10.5	3.7	5.9	6	<0.1	0.3	0.3	25	0.07	0.027	23
1223488	Soil		1.1	19.8	11.5	55	0.1	18.2	7.3	180	2.14	11.9	4.5	5.2	9	<0.1	0.5	0.5	36	0.11	0.034	17
1223489	Soil		1.0	21.5	10.6	52	<0.1	17.0	6.4	166	2.04	9.0	3.9	2.8	16	<0.1	0.4	0.3	39	0.20	0.046	14
1223490	Soil		0.9	21.6	9.1	52	<0.1	18.4	6.8	202	1.92	9.7	3.2	4.4	18	0.1	0.5	0.2	35	0.23	0.050	15
1223491	Soil		0.8	18.3	9.4	50	0.1	16.6	6.5	158	1.95	9.5	4.8	2.7	15	0.1	0.5	0.2	36	0.20	0.046	14
1223492	Soil		0.6	14.7	7.5	43	0.1	13.7	5.2	102	1.68	7.9	4.0	0.9	12	<0.1	0.4	0.2	31	0.16	0.053	11
1223493	Soil		0.6	12.0	8.2	40	<0.1	13.5	5.3	124	1.45	9.2	3.0	2.0	12	<0.1	0.4	0.2	32	0.15	0.045	11

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

Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223464	Soil	21	0.35	126	0.024	1	1.18	0.005	0.04	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1223465	Soil	27	0.38	184	0.024	1	1.70	0.005	0.05	0.2	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
1223466	Soil	22	0.25	86	0.023	<1	1.34	0.004	0.03	0.2	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1223467	Soil	25	0.54	137	0.003	1	1.40	0.004	0.10	0.1	<0.01	1.7	0.2	<0.05	4	<0.5	<0.2
1223468	Soil	23	0.38	195	0.002	<1	1.50	0.005	0.11	0.2	0.05	2.3	0.3	<0.05	4	0.5	<0.2
1223469	Soil	22	0.34	89	0.028	<1	0.99	0.005	0.03	0.3	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223470	Soil	22	0.31	80	0.022	<1	1.24	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1223471	Soil	23	0.35	109	0.024	1	1.32	0.005	0.03	0.3	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1223472	Soil	25	0.36	95	0.039	2	1.44	0.005	0.03	0.4	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1223473	Soil	24	0.40	183	0.039	1	1.16	0.007	0.04	0.6	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
1223474	Soil	22	0.36	139	0.033	2	1.05	0.005	0.04	0.8	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1223475	Soil	20	0.29	112	0.023	<1	1.09	0.005	0.03	0.4	0.04	1.1	<0.1	<0.05	4	<0.5	<0.2
1223476	Soil	22	0.34	114	0.032	1	1.15	0.006	0.05	1.5	0.02	1.7	0.1	<0.05	4	0.6	<0.2
1223477	Soil	25	0.43	117	0.060	<1	1.28	0.006	0.13	4.1	0.01	2.1	0.2	<0.05	4	<0.5	<0.2
1223478	Soil	23	0.36	123	0.035	1	1.23	0.005	0.04	0.8	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1223479	Soil	24	0.37	177	0.034	1	1.31	0.006	0.07	1.9	0.04	2.4	0.1	<0.05	4	<0.5	<0.2
1223480	Soil	22	0.21	125	0.022	1	1.19	0.004	0.06	2.0	0.04	0.9	0.1	<0.05	5	<0.5	<0.2
1223481	Soil	26	0.36	151	0.056	1	1.50	0.004	0.09	7.2	0.03	2.7	0.2	<0.05	4	<0.5	<0.2
1223482	Soil	26	0.36	152	0.051	<1	1.38	0.005	0.08	6.2	0.04	3.1	0.2	<0.05	4	<0.5	<0.2
1223483	Soil	27	0.41	132	0.068	<1	1.47	0.007	0.12	7.6	0.02	2.8	0.3	<0.05	4	<0.5	<0.2
1223484	Soil	35	0.58	176	0.124	<1	1.91	0.005	0.38	19.6	<0.01	2.8	0.7	<0.05	6	<0.5	<0.2
1223485	Soil	28	0.48	142	0.074	1	1.44	0.005	0.16	9.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2
1223486	Soil	24	0.38	118	0.055	1	1.46	0.004	0.12	6.7	0.03	2.0	0.3	<0.05	4	<0.5	<0.2
1223487	Soil	19	0.31	101	0.031	<1	1.10	0.003	0.06	3.3	0.03	1.4	0.1	<0.05	3	<0.5	<0.2
1223488	Soil	26	0.40	161	0.059	<1	1.48	0.006	0.11	5.7	0.03	2.2	0.2	<0.05	4	<0.5	<0.2
1223489	Soil	25	0.40	214	0.048	<1	1.42	0.007	0.05	1.8	0.04	2.6	0.1	<0.05	4	<0.5	<0.2
1223490	Soil	21	0.37	280	0.040	<1	1.09	0.007	0.04	1.6	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
1223491	Soil	21	0.34	206	0.034	<1	1.20	0.005	0.04	1.5	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1223492	Soil	17	0.28	155	0.019	<1	0.93	0.005	0.03	0.8	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223493	Soil	17	0.26	130	0.026	<1	0.93	0.004	0.03	0.9	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223494	Soil	0.7	19.8	8.3	50	0.1	16.3	6.7	143	1.83	8.9	13.1	3.5	13	0.1	0.4	0.2	31	0.18	0.057	15
1223495	Soil	0.8	16.0	8.5	45	0.2	13.8	6.0	154	1.74	9.9	3.5	2.0	16	<0.1	0.4	0.2	30	0.21	0.054	14
1223496	Soil	1.2	15.8	12.4	48	0.1	18.3	7.3	201	2.10	17.1	2.6	5.2	11	<0.1	0.3	0.5	35	0.13	0.027	15
1223497	Soil	1.9	12.8	10.2	53	0.5	16.9	6.5	146	1.77	17.8	11.1	2.3	25	<0.1	0.3	0.7	29	0.36	0.055	16
1223498	Soil	2.3	10.8	12.4	51	0.4	15.7	5.7	142	1.84	25.0	6.1	2.8	33	0.2	0.2	0.8	32	0.49	0.045	14
1223651	Soil	0.8	19.4	13.0	47	<0.1	16.6	6.4	193	1.90	26.9	5.5	1.8	6	<0.1	0.4	0.2	25	0.07	0.031	19
1223652	Soil	0.9	11.9	12.6	40	<0.1	12.8	5.1	159	1.77	12.6	2.4	0.6	7	<0.1	0.4	0.1	29	0.07	0.035	14
1223653	Soil	0.8	11.9	10.0	39	<0.1	13.1	5.2	128	1.90	10.6	2.2	1.7	7	<0.1	0.4	0.2	32	0.07	0.033	12
1223654	Soil	0.7	13.2	18.1	40	<0.1	12.5	4.9	123	1.93	10.6	2.8	1.6	8	<0.1	0.4	0.2	37	0.09	0.038	13
1223655	Soil	0.7	11.9	11.3	32	<0.1	10.6	4.1	112	1.93	8.8	7.4	1.9	7	<0.1	0.3	0.2	36	0.07	0.040	12
1223656	Soil	0.8	14.9	10.2	39	<0.1	12.6	4.4	123	1.93	9.2	1.9	0.9	8	<0.1	0.4	0.2	32	0.10	0.039	12
1223657	Soil	0.6	14.7	10.3	37	<0.1	13.2	4.4	128	1.91	10.9	2.3	0.3	8	<0.1	0.3	0.1	34	0.07	0.036	11
1223658	Soil	0.7	12.0	10.0	32	<0.1	9.5	3.2	88	1.44	10.1	0.9	0.8	7	<0.1	0.3	0.2	32	0.06	0.041	12
1223659	Soil	0.8	27.4	163.3	77	0.9	24.6	10.4	417	2.46	17.9	4.9	5.1	14	0.3	0.5	0.2	39	0.15	0.038	20
1223660	Soil	0.7	12.2	15.3	46	0.1	12.1	4.0	154	1.66	10.9	6.7	0.9	9	0.8	0.4	0.1	35	0.10	0.043	13
1223661	Soil	0.6	12.7	11.3	57	0.3	9.0	3.0	159	1.14	9.0	0.6	0.7	10	1.0	0.3	0.2	28	0.08	0.053	10
1223662	Soil	0.7	6.6	11.0	16	0.1	6.6	2.0	58	0.66	56.6	4.9	0.8	6	<0.1	0.2	0.1	18	0.04	0.013	12
1223663	Soil	1.1	20.1	47.9	72	0.2	19.9	8.2	199	2.46	14.7	3.3	4.6	9	0.5	0.4	0.3	38	0.10	0.043	14
1223664	Soil	1.0	19.1	11.1	37	0.2	10.6	4.6	165	2.47	25.3	17.2	1.7	6	<0.1	0.8	1.7	27	0.06	0.041	15
1223665	Soil	0.8	22.6	14.4	53	0.2	21.8	10.9	244	2.37	19.4	12.6	2.5	8	0.2	0.8	0.5	32	0.07	0.028	12
1223666	Soil	0.6	20.2	100.0	63	0.3	16.6	5.6	169	1.82	16.6	9.1	3.7	13	0.4	0.8	0.3	29	0.16	0.066	13
1223667	Soil	0.6	27.9	146.3	75	0.7	19.6	8.9	194	2.28	25.2	42.1	5.4	10	0.5	1.0	0.9	26	0.11	0.046	16
1223668	Soil	0.6	18.2	31.2	61	0.1	20.2	5.9	177	2.13	19.6	8.9	2.7	9	0.3	0.9	0.4	28	0.08	0.033	14
1223669	Soil	0.9	20.5	17.5	52	0.2	19.9	7.7	259	2.11	14.1	7.9	2.2	8	0.2	0.7	0.3	32	0.06	0.025	14
1223670	Soil	1.0	23.2	34.9	56	0.2	17.4	6.3	269	2.37	15.7	8.6	1.6	8	0.2	0.7	0.3	32	0.06	0.038	12
1223671	Soil	1.0	17.4	8.8	34	0.1	11.1	3.7	217	2.07	10.2	7.3	1.0	5	<0.1	0.6	0.3	35	0.04	0.030	10
1223672	Soil	1.0	19.1	11.9	42	0.2	14.3	5.7	218	2.63	17.3	3.4	0.9	7	<0.1	0.6	0.2	40	0.06	0.029	10
1223673	Soil	0.8	20.8	11.0	50	0.2	23.4	8.9	293	2.28	15.4	5.5	2.4	9	0.2	0.6	0.2	37	0.07	0.027	11
1223674	Soil	1.0	19.0	11.7	48	0.2	16.1	6.1	250	2.40	14.3	4.2	1.4	8	0.1	0.7	0.2	39	0.05	0.026	11
1223675	Soil	0.9	20.9	12.3	48	0.2	17.6	7.1	308	2.37	13.7	3.0	1.1	9	0.2	0.6	0.2	37	0.07	0.038	11

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223494	Soil	18	0.32	195	0.030	<1	1.05	0.004	0.04	1.1	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
1223495	Soil	18	0.29	174	0.027	<1	1.00	0.005	0.04	1.6	0.04	1.8	<0.1	<0.05	3	1.1	<0.2
1223496	Soil	22	0.35	139	0.031	<1	1.46	0.004	0.06	3.0	0.01	2.2	0.1	<0.05	4	<0.5	<0.2
1223497	Soil	20	0.35	169	0.031	<1	1.19	0.005	0.06	11.2	0.03	1.5	0.2	<0.05	4	<0.5	<0.2
1223498	Soil	20	0.34	125	0.037	<1	1.13	0.005	0.05	12.1	0.03	1.7	0.2	<0.05	4	<0.5	<0.2
1223651	Soil	19	0.31	85	0.017	<1	1.08	0.003	0.04	<0.1	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223652	Soil	17	0.24	68	0.015	<1	0.87	0.003	0.03	0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
1223653	Soil	18	0.24	82	0.020	<1	1.11	0.003	0.02	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223654	Soil	21	0.27	98	0.022	<1	1.23	0.003	0.03	0.1	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1223655	Soil	19	0.23	105	0.022	<1	1.14	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1223656	Soil	19	0.26	89	0.017	<1	1.11	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	4	<0.5	<0.2
1223657	Soil	17	0.24	94	0.013	<1	1.03	0.004	0.02	0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1223658	Soil	17	0.22	84	0.015	<1	1.02	0.004	0.03	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1223659	Soil	24	0.30	133	0.021	<1	1.44	0.005	0.05	0.2	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
1223660	Soil	15	0.18	89	0.019	<1	0.74	0.004	0.03	0.3	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1223661	Soil	12	0.13	133	0.017	<1	0.55	0.004	0.04	0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
1223662	Soil	10	0.07	46	0.013	<1	0.43	0.003	0.02	0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
1223663	Soil	22	0.30	115	0.025	1	1.26	0.005	0.05	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1223664	Soil	17	0.21	55	0.014	<1	0.97	0.003	0.04	0.2	0.04	1.0	<0.1	<0.05	4	0.8	<0.2
1223665	Soil	19	0.31	71	0.021	<1	1.29	0.004	0.04	0.2	0.05	1.9	<0.1	<0.05	3	0.7	<0.2
1223666	Soil	19	0.31	73	0.032	2	0.95	0.006	0.04	0.4	0.04	1.6	<0.1	<0.05	3	0.5	<0.2
1223667	Soil	21	0.31	65	0.026	1	1.42	0.005	0.04	0.5	0.06	1.8	<0.1	<0.05	3	<0.5	<0.2
1223668	Soil	26	0.33	57	0.033	1	1.09	0.007	0.05	0.3	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1223669	Soil	18	0.26	86	0.023	2	1.07	0.005	0.04	0.2	0.05	1.3	<0.1	<0.05	3	0.6	<0.2
1223670	Soil	20	0.28	67	0.024	2	1.12	0.005	0.05	0.3	0.08	1.3	<0.1	0.09	4	<0.5	<0.2
1223671	Soil	15	0.16	48	0.022	1	0.82	0.004	0.04	0.5	0.06	0.9	<0.1	<0.05	4	<0.5	<0.2
1223672	Soil	20	0.25	59	0.029	1	1.22	0.004	0.04	0.2	0.06	1.3	<0.1	0.06	4	0.7	<0.2
1223673	Soil	31	0.36	86	0.035	2	1.29	0.005	0.04	1.9	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1223674	Soil	21	0.25	82	0.025	1	1.19	0.004	0.04	0.4	0.04	1.3	<0.1	<0.05	4	0.5	<0.2
1223675	Soil	21	0.29	107	0.025	2	1.21	0.005	0.04	0.4	0.06	1.3	<0.1	0.07	4	<0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223676	Soil	0.7	23.6	12.7	52	0.2	22.6	13.8	361	2.13	31.4	23.1	3.7	11	0.2	0.8	0.2	27	0.10	0.052	14
1223677	Soil	0.8	35.7	38.2	78	4.1	22.2	3.1	124	1.65	61.1	14.5	0.3	21	3.0	0.9	0.2	20	0.11	0.119	9
1223678	Soil	0.8	20.4	40.2	84	0.4	20.8	8.9	321	2.04	66.9	9.7	3.0	12	0.7	0.8	0.2	34	0.13	0.049	15
1223679	Soil	0.7	20.5	34.5	83	0.5	19.6	6.9	370	2.09	31.9	10.8	1.8	15	0.7	0.6	0.2	34	0.14	0.047	15
1223680	Soil	0.7	15.1	22.9	59	0.2	13.5	4.0	173	1.78	55.2	8.9	0.3	8	0.5	0.6	0.2	35	0.06	0.033	12
1223681	Soil	0.7	21.4	39.3	72	0.2	18.4	6.9	253	2.16	43.7	12.8	1.6	9	0.4	0.7	0.2	33	0.07	0.039	13
1223682	Soil	0.7	19.2	23.8	59	0.2	18.0	7.5	282	2.03	29.6	8.5	1.9	11	0.3	0.6	0.2	32	0.12	0.040	13
1223683	Soil	0.8	14.8	14.2	48	<0.1	14.9	4.9	174	1.80	18.7	8.3	1.1	10	0.2	0.4	0.2	30	0.09	0.038	13
1223684	Soil	0.7	16.0	16.0	46	0.1	13.7	5.5	207	1.82	17.3	5.3	0.8	10	0.2	0.4	0.2	32	0.11	0.047	13
1223685	Soil	0.8	17.3	11.3	56	<0.1	16.8	5.8	207	1.87	14.0	10.9	2.0	11	0.2	0.5	0.1	32	0.11	0.045	14
1223686	Soil	0.6	17.6	21.8	66	0.2	18.8	7.5	332	1.88	16.4	6.8	3.5	10	0.4	0.5	0.2	26	0.10	0.037	12
1223687	Soil	0.7	20.9	52.9	77	0.3	17.4	7.7	355	2.02	20.4	10.3	1.6	10	0.5	0.4	0.2	31	0.08	0.037	15
1223688	Soil	0.9	15.4	56.5	59	0.5	12.8	4.1	160	1.61	19.3	4.1	0.3	10	0.3	0.4	0.3	32	0.08	0.034	11
1223689	Soil	0.7	18.7	57.7	83	0.3	17.8	6.8	309	2.03	27.6	9.1	1.2	11	0.3	0.5	0.2	34	0.10	0.042	13
1223690	Soil	0.7	18.0	19.3	68	0.1	19.0	8.8	407	2.18	24.6	4.8	3.9	10	0.3	0.4	0.2	30	0.09	0.032	14
1223691	Soil	0.7	15.7	29.2	69	0.2	16.0	6.1	229	2.13	29.8	4.3	2.2	9	0.3	0.5	0.3	34	0.08	0.034	15
1223692	Soil	0.7	13.2	32.0	57	0.2	14.4	4.6	153	1.86	37.2	6.1	1.6	9	0.3	0.4	0.2	32	0.06	0.028	12
1223693	Soil	0.9	16.8	61.4	70	0.4	16.3	6.7	276	2.09	67.6	4.9	1.5	10	0.6	0.4	0.2	36	0.07	0.040	13
1223694	Soil	0.8	12.5	21.5	53	<0.1	13.4	4.9	159	1.85	36.5	2.6	2.2	8	0.3	0.5	0.2	34	0.06	0.026	12
1223695	Soil	0.7	17.2	20.6	53	0.1	15.5	5.0	155	1.88	24.8	5.1	0.9	9	0.4	0.3	0.3	30	0.06	0.037	13
1223696	Soil	0.6	21.6	28.2	67	0.2	19.4	9.3	358	2.30	35.5	4.1	5.1	11	0.3	0.5	0.2	29	0.08	0.033	16
1223697	Soil	0.8	23.5	42.8	69	0.2	19.5	7.4	271	2.34	57.9	5.4	1.3	12	0.3	0.5	0.3	36	0.08	0.034	16
1223698	Soil	0.9	32.0	48.8	121	0.5	25.9	9.1	345	2.59	64.7	4.7	4.2	14	1.1	0.6	0.3	34	0.10	0.039	19
1223699	Soil	0.5	15.0	28.8	77	0.3	13.4	4.7	191	1.68	22.3	2.4	2.0	9	0.5	0.5	0.2	26	0.08	0.029	11
1223700	Soil	0.6	16.1	31.4	85	0.3	14.6	5.8	263	1.90	23.1	3.6	2.9	10	0.5	0.5	0.2	32	0.09	0.034	13
1223701	Soil	0.5	21.2	169.1	113	0.8	18.6	7.0	285	2.08	69.2	7.4	5.2	12	0.7	0.9	0.3	27	0.10	0.029	17
1223702	Soil	0.7	20.1	39.3	72	0.2	18.6	7.0	235	2.31	56.6	5.9	3.6	9	0.5	0.6	0.3	35	0.05	0.025	15
1223703	Soil	0.8	20.3	54.5	63	0.6	17.7	6.9	181	2.02	35.7	2.4	0.7	12	0.6	0.6	0.2	29	0.07	0.074	13
1223704	Soil	0.7	22.2	68.5	88	0.2	22.2	9.4	331	2.57	47.8	8.5	8.1	8	0.4	0.5	0.3	26	0.06	0.027	18
1223705	Soil	0.6	22.0	60.2	90	0.3	22.1	8.3	305	2.36	52.1	5.1	6.8	8	0.5	0.5	0.2	27	0.06	0.028	17

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

Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223676	Soil	18	0.26	55	0.026	<1	0.89	0.004	0.04	1.5	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223677	Soil	31	0.16	155	0.007	1	1.11	0.007	0.05	1.4	0.12	0.7	<0.1	0.12	3	0.8	<0.2
1223678	Soil	26	0.36	126	0.031	1	1.15	0.006	0.05	0.7	0.03	1.9	0.1	<0.05	3	<0.5	<0.2
1223679	Soil	21	0.35	189	0.030	2	1.07	0.007	0.06	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1223680	Soil	20	0.25	90	0.015	1	1.04	0.005	0.04	0.2	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1223681	Soil	22	0.35	151	0.021	1	1.21	0.005	0.05	0.2	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1223682	Soil	21	0.32	179	0.024	1	1.07	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1223683	Soil	19	0.30	115	0.024	2	1.01	0.006	0.04	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1223684	Soil	21	0.29	126	0.020	1	1.07	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1223685	Soil	20	0.32	173	0.026	<1	1.10	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1223686	Soil	17	0.32	127	0.028	<1	0.89	0.006	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223687	Soil	22	0.30	190	0.023	1	1.10	0.004	0.05	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1223688	Soil	20	0.26	139	0.015	1	1.02	0.005	0.04	0.1	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
1223689	Soil	21	0.34	184	0.018	<1	1.21	0.005	0.04	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1223690	Soil	20	0.38	140	0.028	1	1.09	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1223691	Soil	22	0.36	155	0.026	1	1.24	0.004	0.05	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1223692	Soil	20	0.29	102	0.027	<1	1.02	0.004	0.05	0.3	0.03	1.4	<0.1	<0.05	4	0.5	<0.2
1223693	Soil	22	0.30	139	0.021	<1	1.18	0.004	0.05	1.5	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1223694	Soil	19	0.29	89	0.033	1	1.03	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223695	Soil	19	0.33	128	0.017	<1	1.13	0.004	0.05	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1223696	Soil	23	0.46	154	0.028	1	1.18	0.005	0.04	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1223697	Soil	28	0.47	166	0.021	2	1.48	0.005	0.05	0.1	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1223698	Soil	25	0.43	267	0.035	<1	1.58	0.006	0.08	0.2	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
1223699	Soil	18	0.30	103	0.027	<1	0.93	0.004	0.04	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1223700	Soil	22	0.35	114	0.031	<1	1.01	0.005	0.06	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1223701	Soil	24	0.39	154	0.034	1	1.06	0.005	0.07	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1223702	Soil	24	0.40	153	0.025	2	1.38	0.005	0.05	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1223703	Soil	21	0.30	175	0.016	2	1.26	0.006	0.08	0.2	0.11	1.3	<0.1	<0.05	3	<0.5	<0.2
1223704	Soil	26	0.53	106	0.031	<1	1.45	0.004	0.12	0.1	0.03	1.7	0.2	<0.05	4	0.6	<0.2
1223705	Soil	25	0.47	102	0.029	1	1.38	0.004	0.09	<0.1	0.01	1.7	0.2	<0.05	4	<0.5	<0.2

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Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223706	Soil		0.6	31.4	82.4	132	0.3	26.2	9.4	338	2.47	32.0	3.7	7.7	15	0.9	0.6	0.2	29	0.15	0.035	21
1223707	Soil		1.0	30.9	357.8	146	1.4	22.1	9.1	257	2.27	49.7	9.5	5.4	14	1.2	0.9	0.2	29	0.15	0.044	19
1223708	Soil		0.8	33.4	33.2	82	0.4	23.0	9.8	262	2.34	37.6	6.8	2.1	15	0.7	0.5	0.2	31	0.14	0.045	16
1223709	Soil		0.7	25.2	15.0	70	0.3	21.8	9.2	245	2.20	28.4	5.4	3.2	15	0.4	0.4	0.2	29	0.16	0.046	17
1223710	Soil		0.6	35.9	25.0	26	0.6	13.8	4.0	64	1.05	10.7	2.3	0.4	20	0.8	0.2	0.1	11	0.16	0.093	12
1223711	Soil		0.8	23.3	11.6	57	0.1	21.8	7.8	218	1.97	11.9	5.3	2.3	15	0.2	0.4	0.2	30	0.17	0.042	17
1223712	Soil		0.8	20.7	9.1	58	<0.1	19.3	8.6	256	1.92	13.8	1.1	5.2	17	0.2	0.5	0.1	30	0.20	0.042	17
1223713	Soil		0.7	14.7	10.0	50	0.1	16.0	5.5	143	1.78	12.2	0.9	0.8	12	0.3	0.3	0.2	29	0.12	0.042	14
1223714	Soil		0.5	15.8	10.4	50	0.1	15.7	5.5	145	1.76	12.6	2.4	2.1	11	0.3	0.4	0.2	28	0.13	0.041	14
1223715	Soil		0.6	14.7	10.5	45	0.1	13.5	4.8	107	1.82	14.0	1.3	0.7	11	0.1	0.4	0.2	29	0.12	0.042	13
1223716	Soil		0.4	18.9	9.7	52	0.1	16.4	6.3	165	1.75	11.2	1.9	4.4	14	<0.1	0.5	0.1	29	0.17	0.039	16
1223717	Soil		0.6	15.1	10.8	41	0.1	14.2	4.2	107	1.77	14.0	0.9	0.6	14	0.2	0.3	0.2	30	0.15	0.050	13
1223718	Soil		0.6	17.3	11.0	51	<0.1	15.6	5.4	147	1.87	14.4	1.7	2.3	15	0.2	0.5	0.2	31	0.18	0.048	14
1223719	Soil		0.6	18.1	12.9	53	0.1	15.8	5.8	144	1.79	14.2	3.5	2.9	18	<0.1	0.5	0.2	32	0.21	0.041	15
1223720	Soil		0.8	19.2	61.5	105	0.3	17.6	5.9	212	2.25	34.9	2.2	1.6	10	0.9	0.6	0.2	37	0.08	0.034	14
1223901	Soil		1.2	18.5	14.2	54	<0.1	17.7	5.9	225	2.87	16.8	2.4	3.9	10	0.2	0.7	0.2	58	0.06	0.028	15
1223902	Soil		1.5	25.6	17.0	61	0.1	20.9	7.2	184	3.73	54.0	1.9	5.5	11	0.2	0.5	0.4	56	0.06	0.030	14
1223903	Soil		0.9	15.2	14.6	51	<0.1	17.4	8.6	251	2.73	20.8	<0.5	3.6	10	0.2	0.6	0.3	42	0.07	0.027	12
1223904	Soil		0.6	19.8	24.4	79	0.1	30.0	11.6	307	3.19	11.9	0.6	5.8	22	0.2	0.3	0.4	39	0.17	0.031	13
1223905	Soil		1.4	12.7	21.7	51	0.4	17.8	7.5	173	2.93	13.7	<0.5	2.9	10	0.4	0.6	0.2	51	0.08	0.027	10
1223906	Soil		0.9	37.7	15.9	79	<0.1	35.0	14.2	229	3.85	12.9	3.5	6.3	11	0.2	0.5	0.2	41	0.09	0.031	18
1223907	Soil		0.9	19.7	12.8	56	<0.1	19.8	8.3	229	3.01	11.8	0.5	2.3	11	0.3	0.6	0.2	44	0.11	0.043	12
1223908	Soil		1.3	18.0	23.2	57	<0.1	18.4	6.4	209	3.13	29.5	3.3	2.7	11	0.2	0.6	0.3	56	0.09	0.044	15
1223909	Soil		1.2	19.9	28.0	66	<0.1	19.0	6.7	224	2.80	23.9	<0.5	2.3	10	0.3	0.5	0.3	45	0.08	0.048	15
1223910	Soil		1.0	19.9	33.4	63	0.1	23.5	8.5	206	2.75	23.2	<0.5	1.7	18	0.4	0.5	0.3	47	0.14	0.032	13
1223911	Soil		1.1	24.4	19.4	73	0.2	33.1	16.0	252	3.05	15.4	<0.5	3.8	11	0.7	0.7	0.2	44	0.11	0.029	13
1223912	Soil		1.0	25.4	16.2	73	<0.1	36.5	17.6	379	3.18	12.0	4.2	6.1	12	0.4	0.7	0.2	47	0.10	0.031	15
1223913	Soil		0.8	22.1	11.8	57	<0.1	20.7	8.9	253	2.55	10.7	<0.5	1.8	9	<0.1	0.5	0.2	42	0.08	0.039	16
1223914	Soil		0.7	15.8	11.3	24	<0.1	9.9	2.9	73	1.57	5.2	2.9	0.4	10	<0.1	0.3	0.1	32	0.08	0.141	12
1223915	Soil		1.1	21.8	17.1	66	<0.1	27.0	8.3	227	3.35	24.4	<0.5	6.4	8	0.4	0.5	0.2	52	0.07	0.023	19

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223706	Soil	25	0.53	242	0.037	1	1.38	0.006	0.06	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1223707	Soil	26	0.50	202	0.025	1	1.37	0.009	0.05	0.2	0.03	2.0	<0.1	<0.05	4	0.9	<0.2
1223708	Soil	28	0.47	211	0.023	<1	1.48	0.007	0.05	0.3	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
1223709	Soil	26	0.49	214	0.026	<1	1.37	0.007	0.05	0.2	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1223710	Soil	14	0.12	233	0.006	2	0.74	0.008	0.05	<0.1	0.08	0.4	<0.1	0.06	2	<0.5	<0.2
1223711	Soil	23	0.42	249	0.024	1	1.31	0.006	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223712	Soil	21	0.42	245	0.038	<1	1.13	0.011	0.04	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1223713	Soil	20	0.37	150	0.019	<1	1.22	0.005	0.04	0.3	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1223714	Soil	20	0.36	162	0.022	<1	1.24	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223715	Soil	19	0.31	171	0.016	2	1.22	0.005	0.04	0.2	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
1223716	Soil	20	0.36	213	0.034	<1	1.12	0.007	0.04	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1223717	Soil	19	0.29	194	0.016	<1	1.20	0.005	0.03	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1223718	Soil	21	0.34	189	0.034	<1	1.20	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	3	0.5	<0.2
1223719	Soil	21	0.35	199	0.034	<1	1.20	0.006	0.03	0.1	0.04	1.9	<0.1	<0.05	4	0.7	<0.2
1223720	Soil	23	0.41	125	0.025	<1	1.24	0.006	0.04	0.2	<0.01	1.4	<0.1	<0.05	4	0.6	<0.2
1223901	Soil	22	0.29	125	0.063	2	1.16	0.004	0.11	0.1	0.02	1.6	0.2	<0.05	6	<0.5	<0.2
1223902	Soil	31	0.40	82	0.071	2	1.78	0.007	0.16	0.2	0.03	2.1	0.2	<0.05	7	<0.5	<0.2
1223903	Soil	22	0.32	98	0.033	1	1.35	0.005	0.05	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1223904	Soil	41	0.50	124	0.052	1	2.47	0.005	0.17	0.5	0.03	2.8	0.2	<0.05	6	<0.5	<0.2
1223905	Soil	24	0.29	131	0.025	2	1.54	0.005	0.05	0.2	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1223906	Soil	37	0.54	157	0.049	<1	2.58	0.007	0.26	0.2	0.03	2.8	0.3	<0.05	6	<0.5	<0.2
1223907	Soil	26	0.40	124	0.036	1	1.55	0.006	0.07	0.2	0.03	1.9	0.2	<0.05	4	<0.5	<0.2
1223908	Soil	27	0.38	98	0.043	1	1.31	0.006	0.08	0.2	<0.01	1.6	0.2	<0.05	6	<0.5	<0.2
1223909	Soil	24	0.34	91	0.039	2	1.29	0.006	0.09	0.2	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
1223910	Soil	26	0.40	136	0.038	2	1.57	0.007	0.08	0.2	0.04	1.6	0.1	<0.05	5	0.6	<0.2
1223911	Soil	30	0.45	127	0.043	2	1.79	0.007	0.10	0.3	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
1223912	Soil	33	0.52	182	0.050	2	1.82	0.007	0.13	0.4	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
1223913	Soil	26	0.42	152	0.031	<1	1.59	0.005	0.06	0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1223914	Soil	19	0.17	125	0.010	1	1.09	0.004	0.09	<0.1	<0.01	0.4	0.1	<0.05	5	1.0	<0.2
1223915	Soil	34	0.47	193	0.041	1	2.10	0.006	0.18	0.1	0.02	2.5	0.2	<0.05	7	0.6	<0.2

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56th Floor - 100 King Street West
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Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

	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
1223916	Soil	1.2	23.8	20.8	40	0.2	14.4	5.5	159	2.32	10.1	2.0	2.1	8	<0.1	0.4	0.4	45	0.05	0.024	15
1223917	Soil	0.9	15.9	16.4	45	<0.1	13.9	5.5	190	2.17	9.8	3.7	0.7	9	0.1	0.5	0.2	43	0.07	0.037	12
1223918	Soil	0.9	14.6	19.5	55	<0.1	19.1	7.1	252	2.68	12.3	<0.5	3.3	9	0.1	0.6	0.3	48	0.07	0.036	13
1223919	Soil	0.8	12.6	12.9	45	<0.1	14.2	5.2	173	2.19	10.0	<0.5	2.0	9	0.1	0.5	0.3	47	0.07	0.036	13
1223920	Soil	1.0	15.3	10.4	52	<0.1	17.8	8.3	328	2.38	10.9	15.0	2.3	9	0.1	0.6	0.2	42	0.07	0.037	14
1223921	Soil	1.1	18.0	12.6	55	<0.1	18.2	6.3	193	2.92	14.4	0.7	3.8	10	<0.1	0.6	0.3	48	0.06	0.026	14
1223922	Soil	1.1	17.1	14.4	47	<0.1	15.7	5.9	169	2.66	11.2	2.6	3.7	9	0.1	0.5	0.3	42	0.05	0.028	14
1223923	Soil	0.8	16.4	9.9	47	<0.1	17.4	7.8	240	2.50	9.9	<0.5	3.8	9	0.2	0.6	0.2	36	0.06	0.031	13
1223924	Soil	0.8	18.2	10.4	51	<0.1	18.7	8.2	245	2.55	9.9	<0.5	2.3	11	0.2	0.6	0.2	40	0.09	0.048	15
1223925	Soil	0.9	9.0	11.6	32	<0.1	9.6	3.5	114	2.13	9.2	<0.5	0.7	9	<0.1	0.4	0.2	44	0.07	0.063	11
1223926	Soil	1.0	19.5	11.9	58	<0.1	22.7	8.4	203	2.67	18.3	2.2	6.4	12	<0.1	0.6	0.3	46	0.06	0.019	17
1223927	Soil	0.9	14.1	12.2	45	<0.1	14.8	5.9	173	2.43	11.1	1.3	4.6	10	<0.1	0.6	0.2	44	0.06	0.027	15
1223928	Soil	0.9	17.5	11.3	46	<0.1	16.0	7.0	202	2.48	11.0	5.9	5.3	8	<0.1	0.7	0.2	42	0.06	0.020	13
1223929	Soil	0.9	25.2	13.6	58	<0.1	22.4	10.4	274	2.74	9.4	1.3	7.4	12	<0.1	0.6	0.2	40	0.07	0.022	20
1223930	Soil	0.8	31.5	14.3	68	<0.1	25.7	12.3	267	3.15	8.1	3.4	11.0	13	<0.1	0.5	0.2	38	0.05	0.025	31
1223931	Soil	0.9	27.9	12.1	61	<0.1	21.6	10.5	235	3.01	7.9	<0.5	9.2	12	<0.1	0.6	0.2	37	0.05	0.022	21
1223932	Soil	0.8	28.3	12.3	63	<0.1	21.8	10.1	255	2.73	8.8	1.2	8.4	12	<0.1	0.5	0.2	37	0.06	0.021	26
1223933	Soil	0.8	27.1	10.9	52	<0.1	17.3	9.0	307	2.42	12.2	<0.5	4.9	9	<0.1	0.8	0.2	39	0.06	0.030	17
1223934	Soil	0.9	12.2	11.4	39	<0.1	13.4	5.4	139	2.35	15.1	0.5	1.8	8	<0.1	0.6	0.2	41	0.06	0.036	14
1223935	Soil	0.9	22.4	11.6	63	<0.1	20.9	11.6	327	2.55	12.1	0.5	5.8	10	<0.1	0.7	0.2	41	0.07	0.022	15
1223936	Soil	0.9	20.2	11.5	52	<0.1	17.3	7.6	227	2.61	12.7	2.5	5.4	7	<0.1	0.7	0.2	42	0.05	0.013	15
1223937	Soil	1.1	21.1	11.9	60	<0.1	20.0	9.1	276	2.60	16.3	2.8	5.7	9	<0.1	1.0	0.2	41	0.06	0.018	12
1223938	Soil	0.8	24.6	12.2	57	<0.1	22.7	9.4	234	2.58	15.7	<0.5	6.1	10	0.1	0.8	0.2	40	0.06	0.015	15
1223939	Soil	1.1	24.9	13.3	56	<0.1	20.8	9.9	294	2.81	29.6	<0.5	6.0	10	<0.1	0.8	0.2	46	0.06	0.020	13
1223940	Soil	0.8	19.3	12.7	47	<0.1	17.3	8.6	255	2.56	25.3	4.1	5.9	8	<0.1	0.7	0.3	41	0.06	0.018	15
1223941	Soil	0.8	29.2	11.6	55	<0.1	19.4	9.5	302	2.46	14.7	1.1	5.7	11	0.1	0.8	0.2	37	0.06	0.019	20
1223942	Soil	0.7	23.1	13.6	50	<0.1	15.6	6.8	204	2.60	12.6	0.9	8.0	11	<0.1	0.5	0.3	32	0.06	0.021	24
1223943	Soil	0.8	19.7	10.9	49	<0.1	15.7	6.1	175	2.20	10.3	<0.5	5.8	10	<0.1	0.6	0.2	39	0.07	0.022	17
1223944	Soil	0.8	18.4	10.8	47	<0.1	14.2	6.2	191	2.17	10.6	0.9	4.1	10	<0.1	0.5	0.2	40	0.08	0.035	17
1223945	Soil	0.8	24.7	9.9	49	<0.1	18.3	8.6	314	2.24	11.7	<0.5	5.1	13	<0.1	0.7	0.2	37	0.10	0.022	16

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Project: LUG+TS
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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223916	Soil	18	0.25	82	0.033	1	1.29	0.004	0.06	0.1	<0.01	1.4	0.2	<0.05	5	0.6	<0.2
1223917	Soil	22	0.32	99	0.028	2	1.32	0.004	0.04	0.1	<0.01	1.2	0.1	<0.05	5	0.8	<0.2
1223918	Soil	27	0.44	133	0.038	1	1.77	0.005	0.06	0.2	0.03	2.5	0.1	<0.05	5	0.6	<0.2
1223919	Soil	25	0.39	114	0.033	1	1.45	0.005	0.05	0.2	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1223920	Soil	25	0.44	119	0.037	1	1.62	0.005	0.06	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1223921	Soil	27	0.47	114	0.034	2	1.76	0.005	0.06	0.2	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
1223922	Soil	26	0.45	112	0.035	2	1.68	0.006	0.06	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1223923	Soil	23	0.41	99	0.034	1	1.35	0.004	0.05	0.2	0.02	1.8	0.1	<0.05	4	0.8	<0.2
1223924	Soil	24	0.45	102	0.034	<1	1.35	0.005	0.07	0.2	0.02	1.8	<0.1	<0.05	4	0.6	<0.2
1223925	Soil	20	0.28	99	0.029	<1	1.14	0.006	0.03	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1223926	Soil	30	0.49	146	0.041	<1	1.82	0.006	0.07	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
1223927	Soil	24	0.42	126	0.042	2	1.46	0.006	0.04	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1223928	Soil	24	0.40	114	0.040	<1	1.43	0.005	0.04	0.1	0.03	2.3	0.1	<0.05	4	0.5	<0.2
1223929	Soil	28	0.51	162	0.054	2	1.75	0.009	0.08	0.1	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
1223930	Soil	30	0.56	182	0.060	<1	1.93	0.007	0.16	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
1223931	Soil	27	0.52	127	0.047	<1	1.77	0.006	0.11	0.1	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
1223932	Soil	26	0.53	207	0.055	1	1.56	0.009	0.09	0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
1223933	Soil	25	0.43	142	0.038	2	1.28	0.008	0.04	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
1223934	Soil	23	0.37	105	0.028	<1	1.41	0.005	0.04	0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1223935	Soil	28	0.46	143	0.045	1	1.60	0.007	0.05	0.2	0.04	2.7	<0.1	<0.05	4	0.6	<0.2
1223936	Soil	26	0.42	120	0.044	1	1.33	0.008	0.04	0.2	0.05	3.4	<0.1	<0.05	4	0.6	<0.2
1223937	Soil	27	0.46	143	0.041	1	1.51	0.006	0.05	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1223938	Soil	26	0.44	159	0.043	<1	1.61	0.005	0.05	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1223939	Soil	28	0.44	141	0.051	2	1.75	0.007	0.05	0.2	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
1223940	Soil	22	0.42	130	0.044	<1	1.38	0.005	0.04	0.2	<0.01	3.1	0.1	<0.05	4	<0.5	<0.2
1223941	Soil	24	0.43	162	0.043	<1	1.31	0.010	0.05	0.1	0.03	5.1	0.1	<0.05	4	0.8	<0.2
1223942	Soil	22	0.44	160	0.035	<1	1.38	0.005	0.05	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1223943	Soil	23	0.39	146	0.036	<1	1.33	0.007	0.03	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1223944	Soil	22	0.39	152	0.031	2	1.39	0.006	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1223945	Soil	23	0.38	264	0.033	<1	1.10	0.008	0.04	0.2	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223946	Soil	0.6	19.7	9.7	47	<0.1	13.3	6.5	188	2.38	11.9	<0.5	6.2	9	<0.1	0.5	0.2	34	0.06	0.024	19
1223947	Soil	0.9	24.3	9.9	52	<0.1	18.8	7.0	275	2.22	13.7	<0.5	5.4	19	<0.1	0.7	0.1	34	0.18	0.035	17
1223948	Soil	0.6	14.9	9.4	38	<0.1	13.2	5.0	155	2.04	12.7	2.2	2.8	10	<0.1	0.5	0.2	36	0.08	0.037	16
1223949	Soil	0.8	23.6	10.4	50	<0.1	19.2	7.9	232	2.33	12.7	1.5	4.9	10	<0.1	0.7	0.2	41	0.07	0.020	16
1223950	Soil	0.7	23.9	10.9	55	<0.1	18.7	10.0	208	2.64	75.7	<0.5	8.7	8	0.1	0.5	0.2	28	0.04	0.020	18
1223951	Soil	0.8	16.6	9.5	44	<0.1	13.7	5.6	161	2.15	15.6	<0.5	6.1	8	<0.1	0.5	0.2	32	0.06	0.019	19
1223952	Soil	0.8	18.0	8.6	44	<0.1	14.5	6.4	175	2.08	15.3	5.2	4.3	11	<0.1	0.5	0.2	34	0.09	0.028	16
1223953	Soil	0.7	14.5	9.4	42	<0.1	13.5	5.2	140	2.04	14.3	1.6	3.4	11	<0.1	0.5	0.2	34	0.10	0.044	12
1223954	Soil	0.7	24.9	10.9	56	<0.1	17.3	8.5	179	2.34	29.9	1.8	8.9	13	0.1	0.5	0.2	28	0.07	0.022	27
1223955	Soil	0.7	20.9	11.5	48	<0.1	14.0	6.6	201	2.36	18.2	1.8	4.8	11	<0.1	0.6	0.2	41	0.09	0.028	19
1223956	Soil	0.8	33.7	26.3	59	0.1	16.7	8.7	194	2.81	136.6	3.9	10.6	16	0.2	0.6	0.8	31	0.07	0.025	22
1223957	Soil	0.6	27.3	11.1	53	<0.1	18.7	9.1	241	2.43	13.4	2.1	5.2	11	<0.1	0.7	0.2	39	0.09	0.026	17
1223958	Soil	1.0	24.1	24.1	57	0.5	23.0	10.8	194	2.91	40.2	3.6	7.0	10	0.3	0.6	0.4	54	0.06	0.017	15
1223959	Soil	1.0	24.6	14.4	58	0.1	19.8	8.3	185	2.94	47.6	1.0	8.5	11	0.1	0.6	0.3	38	0.05	0.021	20
1223960	Soil	1.1	27.8	18.0	55	0.3	16.7	6.5	171	3.14	206.7	5.1	9.6	10	0.4	0.4	0.4	35	0.04	0.031	23
1223961	Soil	0.8	32.3	10.8	51	0.1	20.9	8.2	190	2.55	14.2	2.9	6.6	16	<0.1	0.8	0.2	43	0.13	0.021	20
1223962	Soil	0.9	42.4	14.6	58	0.2	18.6	6.9	177	3.49	17.6	4.0	13.0	12	<0.1	0.5	0.4	35	0.06	0.020	31
1223963	Soil	1.0	35.2	21.6	85	0.1	27.7	11.2	209	3.31	23.7	0.9	11.6	11	0.3	0.5	0.2	36	0.06	0.023	25
1223964	Soil	0.6	17.3	14.1	47	0.3	18.6	8.6	177	2.05	15.6	4.6	3.1	17	<0.1	0.4	0.2	33	0.19	0.052	17
1222249	Soil	0.6	17.8	14.2	58	0.1	18.4	7.9	252	2.22	12.9	3.9	1.6	20	0.1	0.5	0.2	42	0.29	0.064	15

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56th Floor - 100 King Street West
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Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223946	Soil	19	0.34	108	0.032	<1	1.15	0.005	0.04	0.1	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
1223947	Soil	21	0.38	262	0.040	<1	1.18	0.011	0.05	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1223948	Soil	19	0.31	144	0.026	<1	1.12	0.005	0.03	0.2	0.03	2.1	<0.1	<0.05	4	0.6	<0.2
1223949	Soil	24	0.40	201	0.038	2	1.28	0.008	0.03	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1223950	Soil	19	0.35	110	0.038	<1	1.17	0.004	0.05	0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1223951	Soil	20	0.35	125	0.034	<1	1.28	0.005	0.04	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1223952	Soil	19	0.34	143	0.032	<1	1.17	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1223953	Soil	19	0.33	135	0.027	<1	1.13	0.004	0.03	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1223954	Soil	20	0.37	160	0.030	<1	1.16	0.005	0.07	0.1	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
1223955	Soil	23	0.36	166	0.034	<1	1.35	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223956	Soil	23	0.38	156	0.039	<1	1.25	0.008	0.06	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1223957	Soil	25	0.37	233	0.030	<1	1.28	0.007	0.04	0.2	0.04	3.8	<0.1	<0.05	3	<0.5	<0.2
1223958	Soil	32	0.39	197	0.039	<1	1.99	0.008	0.05	0.2	0.03	3.4	0.1	<0.05	5	<0.5	<0.2
1223959	Soil	24	0.42	109	0.031	<1	1.52	0.006	0.06	0.1	0.01	1.8	0.2	<0.05	4	<0.5	<0.2
1223960	Soil	23	0.42	90	0.022	<1	1.41	0.008	0.05	0.2	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1223961	Soil	27	0.38	226	0.042	<1	1.22	0.010	0.04	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1223962	Soil	30	0.56	191	0.018	<1	1.84	0.008	0.07	0.2	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
1223963	Soil	27	0.54	149	0.018	<1	1.82	0.006	0.05	0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1223964	Soil	20	0.35	224	0.019	<1	1.32	0.007	0.04	0.3	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1222249	Soil	25	0.40	205	0.031	<1	1.40	0.009	0.04	0.2	0.04	2.4	0.1	<0.05	4	<0.5	<0.2

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Project: LUG+TS
Report Date: November 16, 2011

QUALITY CONTROL REPORT WHI11001047.1

	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																					
1223442	Soil	0.5	15.3	15.9	69	0.2	16.2	5.7	161	1.81	11.4	4.2	2.7	13	0.3	0.5	0.2	29	0.14	0.056	13
REP 1223442	QC	0.6	15.6	16.1	70	0.2	18.2	5.9	167	1.86	11.1	2.3	2.6	14	0.3	0.5	0.2	29	0.14	0.056	14
1223451	Soil	1.2	13.7	14.6	38	<0.1	11.3	4.0	143	2.62	14.8	1.6	3.2	6	0.2	0.6	0.4	52	0.04	0.029	12
REP 1223451	QC	1.1	13.7	14.4	39	<0.1	11.0	3.9	133	2.58	14.1	2.7	3.1	6	0.1	0.6	0.4	52	0.04	0.029	12
1223469	Soil	0.8	20.6	17.0	54	<0.1	18.0	7.5	248	1.95	13.8	3.5	2.4	11	0.2	0.5	0.2	36	0.11	0.047	17
REP 1223469	QC	0.9	20.3	17.0	54	<0.1	18.1	7.6	253	2.05	13.9	4.2	2.4	12	0.1	0.5	0.2	35	0.12	0.047	17
1223494	Soil	0.7	19.8	8.3	50	0.1	16.3	6.7	143	1.83	8.9	13.1	3.5	13	0.1	0.4	0.2	31	0.18	0.057	15
REP 1223494	QC	0.9	20.5	8.5	53	<0.1	18.2	7.1	150	1.90	9.0	4.2	3.5	14	<0.1	0.4	0.2	32	0.19	0.060	16
1223652	Soil	0.9	11.9	12.6	40	<0.1	12.8	5.1	159	1.77	12.6	2.4	0.6	7	<0.1	0.4	0.1	29	0.07	0.035	14
REP 1223652	QC	0.8	12.5	12.7	42	<0.1	13.4	5.5	170	1.87	13.3	1.9	0.7	7	0.2	0.4	0.2	30	0.08	0.039	14
1223683	Soil	0.8	14.8	14.2	48	<0.1	14.9	4.9	174	1.80	18.7	8.3	1.1	10	0.2	0.4	0.2	30	0.09	0.038	13
REP 1223683	QC	0.7	14.5	14.6	49	<0.1	14.5	4.9	174	1.76	19.1	10.2	1.1	10	0.2	0.4	0.2	29	0.10	0.038	13
1223701	Soil	0.5	21.2	169.1	113	0.8	18.6	7.0	285	2.08	69.2	7.4	5.2	12	0.7	0.9	0.3	27	0.10	0.029	17
REP 1223701	QC	0.7	21.9	170.6	116	0.8	19.2	6.9	287	2.06	72.6	7.2	5.4	12	0.7	0.8	0.3	26	0.11	0.030	17
1223702	Soil	0.7	20.1	39.3	72	0.2	18.6	7.0	235	2.31	56.6	5.9	3.6	9	0.5	0.6	0.3	35	0.05	0.025	15
REP 1223702	QC	0.9	20.1	39.0	74	0.2	18.7	6.9	236	2.34	56.0	4.7	3.7	9	0.7	0.5	0.2	35	0.06	0.024	14
1223915	Soil	1.1	21.8	17.1	66	<0.1	27.0	8.3	227	3.35	24.4	<0.5	6.4	8	0.4	0.5	0.2	52	0.07	0.023	19
REP 1223915	QC	1.0	22.2	17.6	67	<0.1	27.6	8.2	226	3.38	23.4	<0.5	6.5	8	0.4	0.5	0.2	51	0.06	0.024	19
1223932	Soil	0.8	28.3	12.3	63	<0.1	21.8	10.1	255	2.73	8.8	1.2	8.4	12	<0.1	0.5	0.2	37	0.06	0.021	26
REP 1223932	QC	0.8	26.4	12.1	62	<0.1	20.6	9.3	260	2.64	8.8	<0.5	8.6	11	<0.1	0.5	0.2	35	0.05	0.022	24
1223944	Soil	0.8	18.4	10.8	47	<0.1	14.2	6.2	191	2.17	10.6	0.9	4.1	10	<0.1	0.5	0.2	40	0.08	0.035	17
REP 1223944	QC	0.9	16.9	10.7	46	<0.1	13.2	6.0	182	2.18	10.1	<0.5	3.9	10	<0.1	0.6	0.2	36	0.07	0.031	16
1223964	Soil	0.6	17.3	14.1	47	0.3	18.6	8.6	177	2.05	15.6	4.6	3.1	17	<0.1	0.4	0.2	33	0.19	0.052	17
REP 1223964	QC	0.6	16.9	14.4	44	0.2	17.6	8.3	170	2.01	15.6	3.2	3.2	15	0.1	0.4	0.2	31	0.16	0.048	15
Reference Materials																					
STD DS8	Standard	12.7	105.4	130.6	306	1.8	35.3	7.1	598	2.38	24.7	112.0	6.5	68	2.6	5.4	6.3	41	0.66	0.079	15
STD DS8	Standard	11.6	103.2	119.3	303	1.6	35.5	6.9	580	2.31	23.3	96.9	6.3	68	2.1	6.0	6.7	38	0.67	0.075	14
STD DS8	Standard	11.2	111.0	127.4	303	1.8	36.4	7.2	576	2.36	25.0	120.1	6.3	62	2.3	5.0	6.2	41	0.61	0.078	12

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QUALITY CONTROL REPORT WHI11001047.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1223442	Soil	19	0.35	157	0.020	<1	1.22	0.005	0.05	0.2	0.05	1.7	0.1	<0.05	4	0.7	<0.2
REP 1223442	QC	20	0.35	158	0.022	<1	1.24	0.005	0.05	0.2	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1223451	Soil	19	0.20	58	0.026	2	1.01	0.003	0.03	0.3	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
REP 1223451	QC	19	0.20	58	0.025	<1	1.02	0.004	0.03	0.3	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1223469	Soil	22	0.34	89	0.028	<1	0.99	0.005	0.03	0.3	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1223469	QC	22	0.36	92	0.031	1	1.04	0.005	0.03	0.3	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1223494	Soil	18	0.32	195	0.030	<1	1.05	0.004	0.04	1.1	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
REP 1223494	QC	20	0.32	201	0.029	<1	1.05	0.004	0.04	1.2	0.03	2.2	<0.1	<0.05	3	0.8	<0.2
1223652	Soil	17	0.24	68	0.015	<1	0.87	0.003	0.03	0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
REP 1223652	QC	18	0.26	72	0.016	<1	0.96	0.003	0.03	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1223683	Soil	19	0.30	115	0.024	2	1.01	0.006	0.04	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
REP 1223683	QC	19	0.29	115	0.023	2	0.98	0.005	0.04	0.2	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1223701	Soil	24	0.39	154	0.034	1	1.06	0.005	0.07	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
REP 1223701	QC	23	0.39	153	0.035	<1	1.13	0.005	0.07	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1223702	Soil	24	0.40	153	0.025	2	1.38	0.005	0.05	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1223702	QC	24	0.41	154	0.023	1	1.35	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1223915	Soil	34	0.47	193	0.041	1	2.10	0.006	0.18	0.1	0.02	2.5	0.2	<0.05	7	0.6	<0.2
REP 1223915	QC	35	0.48	197	0.041	2	2.09	0.006	0.18	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
1223932	Soil	26	0.53	207	0.055	1	1.56	0.009	0.09	0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
REP 1223932	QC	26	0.50	195	0.049	<1	1.53	0.006	0.09	0.1	<0.01	2.9	0.1	<0.05	4	<0.5	<0.2
1223944	Soil	22	0.39	152	0.031	2	1.39	0.006	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
REP 1223944	QC	21	0.36	151	0.028	<1	1.32	0.007	0.03	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1223964	Soil	20	0.35	224	0.019	<1	1.32	0.007	0.04	0.3	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
REP 1223964	QC	19	0.33	211	0.014	<1	1.22	0.006	0.03	0.3	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	112	0.60	272	0.114	2	0.92	0.097	0.41	2.8	0.23	2.1	5.4	0.15	5	5.2	4.6
STD DS8	Standard	110	0.59	269	0.108	3	0.86	0.080	0.43	3.0	0.19	2.0	5.2	0.15	4	5.1	4.8
STD DS8	Standard	112	0.58	234	0.099	2	0.84	0.084	0.40	2.8	0.22	2.1	5.4	0.14	4	4.6	4.5

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Report Date: November 16, 2011

QUALITY CONTROL REPORT WHI11001047.1

		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 DS8	Standard	11.3	94.6	107.9	280	1.6	31.5	6.5	535	2.16	22.6	99.9	5.6	59	2.0	4.7	5.4	36	0.63	0.066	13
STD DS8	Standard	12.8	107.3	124.4	301	1.6	36.1	7.4	598	2.45	23.4	113.3	6.7	63	2.2	5.4	5.5	41	0.69	0.077	16
STD DS8	Standard	12.4	97.6	108.6	280	1.6	35.0	6.9	537	2.18	21.5	99.1	5.8	51	2.1	4.3	5.6	38	0.59	0.073	13
STD DS8	Standard	12.9	120.1	123.9	316	1.8	38.8	7.8	605	2.42	26.2	109.7	7.0	69	2.2	5.9	7.1	45	0.69	0.075	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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

Project: LUG+TS
Report Date: November 16, 2011

QUALITY CONTROL REPORT WHI11001047.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	103	0.54	256	0.104	3	0.81	0.087	0.38	2.6	0.18	2.5	4.7	0.15	4	4.0	4.4
STD DS8	Standard	114	0.61	270	0.112	3	0.89	0.083	0.39	3.0	0.17	2.0	5.4	0.17	4	5.6	5.0
STD DS8	Standard	106	0.54	233	0.098	1	0.84	0.077	0.35	2.6	0.19	2.1	4.9	0.17	4	4.2	4.9
STD DS8	Standard	119	0.61	272	0.127	3	0.87	0.087	0.42	3.0	0.20	2.5	5.4	0.18	5	4.6	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Appendix V: Silt Sample Assay Certificates

Note: Certificate WHI11001127.1 contains results for additional Goldspike Exploration properties. Samples from the Lugdush Property are:

1220653	1222108
1220654	1222109
1220655	1222110
1220656	1222111
1220657	1222112
1220658	1220710
1220659	1220711
1220660	1220712
1220661	1220715
1222106	1220716
1222107	1220717

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Client: **Goldspike Exploration Inc.**
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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: September 14, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI11001127.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUG-TS(silts)
P.O. Number
Number of Samples: 28

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	28	Dry at 60C			WHI
SS80	28	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	28	Saving all or part of Soil Reject			WHI
1DX2	28	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: LUG+TS
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS WHI11001127.1

	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
1220653	Silt	1.1	32.3	51.9	286	0.5	26.0	13.8	907	2.45	60.0	2.1	4.2	24	8.0	0.7	1.2	29	0.34	0.064	18
1220654	Silt	1.2	33.0	50.7	296	0.6	25.0	12.8	979	2.23	45.2	3.6	2.7	28	7.4	0.6	1.1	31	0.39	0.073	18
1220655	Silt	0.6	14.2	12.5	86	0.3	17.5	11.8	643	1.96	29.8	9.3	2.6	20	0.8	0.3	0.3	20	0.33	0.056	15
1220656	Silt	1.0	12.3	14.4	52	0.1	16.4	7.1	263	2.37	30.3	4.0	4.7	6	0.2	0.4	0.2	18	0.08	0.047	16
1220657	Silt	0.6	11.8	10.8	68	0.1	17.1	9.4	524	2.00	30.5	1.7	4.1	10	0.4	0.3	0.2	15	0.16	0.041	13
1220658	Silt	0.6	13.9	13.2	86	0.3	17.4	12.2	747	1.81	24.7	5.9	2.0	19	0.9	0.3	0.2	20	0.32	0.053	15
1220659	Silt	1.2	14.4	14.8	75	0.3	17.2	9.9	561	1.85	29.0	18.0	3.9	21	0.7	0.4	0.8	23	0.35	0.058	19
1220660	Silt	1.7	20.0	20.0	84	0.4	22.7	12.8	925	2.17	39.0	7.1	4.0	29	1.3	0.5	0.9	23	0.49	0.060	22
1220661	Silt	0.7	15.4	14.7	80	0.4	19.0	11.1	649	2.09	29.4	11.3	2.5	20	0.9	0.3	0.4	22	0.35	0.057	17
1220662	Silt	1.7	22.2	25.5	116	0.6	32.7	16.1	1287	2.40	87.5	8.4	3.7	28	1.7	0.6	0.5	33	0.39	0.089	26
1220663	Silt	1.5	19.6	17.9	95	0.2	30.3	15.6	1128	2.66	68.1	27.3	5.7	18	1.2	0.5	0.3	27	0.25	0.071	24
1220664	Silt	1.1	28.7	18.9	168	0.2	88.3	90.4	1479	3.37	20.1	1.5	8.3	10	1.0	0.5	0.3	22	0.14	0.062	66
1222106	Silt	0.7	43.0	48.8	619	0.5	22.7	9.2	308	2.23	150.6	6.7	2.4	36	14.1	0.4	3.0	21	0.61	0.066	17
1222107	Silt	0.3	13.5	11.3	46	<0.1	13.4	7.4	281	1.61	10.8	0.8	6.4	7	0.2	1.7	0.2	7	0.11	0.028	16
1222108	Silt	0.4	8.1	11.5	78	0.1	5.8	2.9	172	0.88	5.1	1.1	9.1	8	0.4	0.3	0.6	14	0.16	0.066	18
1222109	Silt	0.3	11.5	13.3	54	<0.1	13.3	6.7	149	1.49	8.8	1.5	5.5	16	0.2	1.5	0.1	11	0.18	0.043	18
1222110	Silt	0.4	14.5	13.4	62	<0.1	15.6	7.9	421	1.74	15.5	1.8	6.4	15	0.4	3.1	0.2	10	0.25	0.048	18
1222111	Silt	0.4	13.3	11.8	53	<0.1	14.3	6.7	253	1.57	13.7	1.3	6.1	11	0.3	2.8	0.2	10	0.19	0.047	19
1222112	Silt	0.3	17.2	11.5	39	<0.1	15.8	8.4	236	1.55	5.8	<0.5	7.5	7	0.1	0.7	0.1	7	0.09	0.035	17
1220710	Silt	1.2	22.7	51.2	196	1.3	13.8	6.7	509	2.11	14.4	24.1	4.7	11	1.6	0.6	2.7	34	0.17	0.068	21
1220711	Silt	1.3	18.6	46.1	191	1.0	10.6	5.5	545	1.92	11.7	2.5	4.1	12	1.8	0.4	2.0	31	0.14	0.059	24
1220712	Silt	0.7	13.9	21.4	102	0.3	11.5	5.3	314	1.66	5.9	1.3	9.6	13	1.3	0.4	1.1	28	0.24	0.093	21
1220715	Silt	0.6	8.3	8.7	45	<0.1	9.8	4.5	184	1.46	8.7	0.7	1.8	12	0.2	0.3	0.2	24	0.16	0.046	13
1220716	Silt	0.4	11.7	13.5	75	<0.1	13.6	6.9	602	1.58	9.1	8.0	3.6	15	1.1	2.5	0.2	14	0.20	0.046	17
1220717	Silt	0.3	9.5	8.8	42	<0.1	10.8	4.7	139	1.09	5.7	1.6	3.9	10	0.2	1.3	0.2	12	0.13	0.035	16
1220718	Silt	0.7	9.9	11.2	42	<0.1	12.3	5.4	165	1.72	9.5	2.1	0.2	7	<0.1	0.3	0.2	30	0.07	0.041	13
1220719	Silt	0.8	10.5	11.2	42	0.2	12.1	5.3	160	1.75	8.5	8.5	0.3	8	0.1	0.4	0.2	32	0.08	0.046	13
1220720	Silt	0.7	16.2	14.9	70	0.4	23.9	8.7	324	2.06	19.0	11.1	1.4	17	0.4	0.3	0.2	28	0.23	0.041	14

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Project: LUG+TS
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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220653	Silt	24	0.38	147	0.038	2	1.41	0.008	0.17	4.2	0.05	2.3	0.3	<0.05	4	1.1	<0.2
1220654	Silt	24	0.35	147	0.032	2	1.31	0.008	0.14	4.8	0.06	2.3	0.2	<0.05	4	1.7	<0.2
1220655	Silt	16	0.34	101	0.022	1	1.07	0.006	0.08	2.5	0.03	1.2	0.2	<0.05	3	<0.5	<0.2
1220656	Silt	14	0.27	74	0.008	<1	0.77	0.002	0.04	0.3	0.04	0.9	<0.1	<0.05	2	0.6	<0.2
1220657	Silt	13	0.28	68	0.015	<1	0.82	0.004	0.06	2.3	0.02	1.0	0.1	<0.05	2	<0.5	<0.2
1220658	Silt	15	0.30	108	0.016	1	0.99	0.005	0.06	1.7	0.05	1.3	0.1	<0.05	3	0.9	<0.2
1220659	Silt	17	0.32	109	0.035	2	0.99	0.005	0.10	35.0	<0.01	1.6	0.2	<0.05	3	1.0	<0.2
1220660	Silt	19	0.32	130	0.031	2	1.01	0.005	0.12	31.5	0.01	1.7	0.2	<0.05	3	2.0	<0.2
1220661	Silt	18	0.34	119	0.019	1	1.09	0.006	0.08	7.3	0.03	1.7	0.1	<0.05	3	0.6	<0.2
1220662	Silt	28	0.45	207	0.042	2	1.43	0.010	0.12	7.9	0.04	2.6	0.3	<0.05	4	2.1	<0.2
1220663	Silt	23	0.47	157	0.045	1	1.30	0.009	0.13	3.1	0.04	2.0	0.3	<0.05	3	1.7	<0.2
1220664	Silt	17	0.33	90	0.014	2	1.35	0.003	0.04	0.3	0.07	2.0	0.4	<0.05	3	1.1	<0.2
1222106	Silt	21	0.34	58	0.022	2	1.24	0.006	0.09	0.7	0.04	1.6	0.2	<0.05	3	0.7	<0.2
1222107	Silt	5	0.15	40	0.005	<1	0.38	<0.001	0.03	0.2	0.02	0.8	<0.1	<0.05	<1	<0.5	<0.2
1222108	Silt	6	0.15	53	0.017	<1	0.49	0.003	0.04	1.4	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1222109	Silt	8	0.21	52	0.008	<1	0.55	0.002	0.03	0.5	0.02	0.9	<0.1	<0.05	2	0.6	<0.2
1222110	Silt	8	0.21	54	0.009	<1	0.50	0.002	0.03	0.8	0.02	0.9	<0.1	<0.05	2	<0.5	<0.2
1222111	Silt	7	0.18	48	0.009	1	0.47	0.002	0.03	0.3	0.02	0.8	<0.1	<0.05	1	<0.5	<0.2
1222112	Silt	5	0.12	38	0.007	<1	0.32	0.001	0.02	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
1220710	Silt	20	0.28	141	0.026	<1	1.16	0.004	0.06	13.9	0.05	1.9	0.2	<0.05	5	<0.5	<0.2
1220711	Silt	15	0.26	140	0.024	<1	1.27	0.003	0.06	5.4	0.03	1.7	0.2	<0.05	5	0.5	<0.2
1220712	Silt	13	0.27	113	0.032	<1	0.82	0.004	0.06	4.8	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
1220715	Silt	13	0.21	84	0.017	<1	0.78	0.004	0.04	0.9	0.01	1.2	0.1	<0.05	3	0.5	<0.2
1220716	Silt	10	0.19	77	0.012	<1	0.63	0.002	0.04	2.3	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1220717	Silt	8	0.15	56	0.010	<1	0.50	0.002	0.03	0.3	0.06	0.9	<0.1	<0.05	2	<0.5	<0.2
1220718	Silt	17	0.27	84	0.012	<1	0.91	0.003	0.03	0.3	0.04	0.7	<0.1	<0.05	3	0.5	<0.2
1220719	Silt	18	0.28	90	0.013	<1	0.99	0.003	0.03	0.3	0.08	0.8	<0.1	<0.05	4	<0.5	<0.2
1220720	Silt	18	0.31	98	0.017	<1	1.11	0.005	0.05	0.2	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2

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Report Date: September 14, 2011

QUALITY CONTROL REPORT WHI11001127.1

	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																					
1222107	Silt	0.3	13.5	11.3	46	<0.1	13.4	7.4	281	1.61	10.8	0.8	6.4	7	0.2	1.7	0.2	7	0.11	0.028	16
REP 1222107	QC	0.3	13.7	11.9	45	<0.1	14.3	7.3	286	1.58	10.5	<0.5	6.6	8	0.2	1.6	0.2	7	0.11	0.027	17
Reference Materials																					
STD DS8	Standard	12.6	108.5	125.2	321	1.9	37.5	7.5	618	2.51	25.4	114.3	6.0	58	2.1	4.7	6.3	41	0.71	0.085	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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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+TS
Report Date: September 14, 2011

QUALITY CONTROL REPORT WHI11001127.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1222107	Silt	5	0.15	40	0.005	<1	0.38	<0.001	0.03	0.2	0.02	0.8	<0.1	<0.05	<1	<0.5	<0.2
REP 1222107	QC	6	0.15	41	0.006	<1	0.38	0.001	0.03	0.2	0.02	0.7	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	116	0.64	274	0.107	2	0.90	0.084	0.42	2.8	0.21	2.2	5.3	0.12	5	5.6	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Appendix VI: Rock Sample Assay Certificates

Note: Certificate WHI11001082.1 contains 14 results for additional Goldspike Exploration properties.

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 10, 2011
Report Date: October 03, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI11001082.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUG-TS(Rx1-5)
P.O. Number
Number of Samples: 90

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	90	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	90	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	90	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

	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
1204339	Rock	1.02	<2	0.3	1.2	21.6	127	0.5	1.5	2.5	1252	2.58	0.9	1.0	12.9	3	1.1	<0.1	<0.1	8	0.07
1204340	Rock	2.55	2794	7.6	32.0	357.8	50	59.2	1.4	1.2	137	0.98	2165	3096	1.9	7	5.0	77.5	1.0	2	0.02
1204341	Rock	1.26	14	4.9	23.5	814.4	167	4.9	0.9	0.5	86	0.94	26.0	15.0	1.6	5	4.3	2.6	4.4	<2	0.03
1204342	Rock	1.90	32	1.5	11.6	126.4	1288	1.7	9.1	3.6	596	1.37	881.0	38.0	14.7	18	6.0	1.5	1.2	<2	0.08
1204343	Rock	1.23	5	0.2	12.4	185.8	250	0.4	7.9	2.3	178	1.24	9.0	2.5	4.9	<1	0.5	0.3	0.4	5	<0.01
1204344	Rock	1.92	43	1.0	20.6	45.8	175	0.9	55.3	20.7	980	3.68	28.4	30.6	8.6	120	1.6	0.2	1.5	105	3.98
1204345	Rock	2.29	4	0.4	15.2	81.1	84	0.3	27.0	17.5	565	1.47	5.4	0.8	4.6	3	0.8	0.2	0.1	3	0.04
1204346	Rock	2.17	5	0.3	32.8	15.9	25	0.1	7.3	2.8	135	2.31	5.8	3.7	1.7	7	0.2	0.3	0.3	5	0.04
1204347	Rock	1.88	2	0.3	25.3	3.8	88	<0.1	95.2	64.2	1115	1.75	0.9	0.7	2.2	5	0.6	<0.1	<0.1	4	0.04
1204348	Rock	1.26	2	0.7	1.9	43.0	174	0.2	1.7	1.5	399	1.13	17.3	1.8	17.6	212	0.9	0.2	0.5	<2	0.84
1204349	Rock	1.64	20	0.3	19.6	3.4	5	<0.1	2.2	0.6	43	0.96	6.3	3.4	2.8	7	<0.1	0.1	0.5	4	0.05
1204350	Rock	1.81	4	1.5	29.9	11.4	14	0.2	3.1	1.6	86	1.17	181.1	2.4	16.9	30	0.1	0.2	0.4	<2	0.14
1222151	Rock	2.12	4	1.0	40.4	8.7	19	0.1	1.7	1.4	148	1.40	125.9	3.1	15.7	31	0.3	0.2	0.4	<2	0.18
1222152	Rock	1.31	87	0.8	11.3	7.2	142	0.2	4.0	3.1	306	1.65	1438	86.0	7.2	26	2.7	2.0	0.5	12	0.18
1222153	Rock	1.26	<2	0.5	21.5	1.0	78	<0.1	29.9	15.8	1059	3.73	61.4	1.6	1.4	6	0.2	0.2	0.1	14	0.03
1222154	Rock	1.98	50	0.2	21.2	14.0	22	0.5	6.0	1.5	108	1.45	1527	86.2	5.0	5	0.2	1.2	0.8	5	0.01
1222155	Rock	0.57	43	0.3	19.9	7.3	19	1.1	10.0	1.9	72	2.29	3403	48.3	4.9	8	0.8	2.1	1.4	3	0.04
1222156	Rock	3.13	<2	0.2	6.9	8.9	22	<0.1	8.8	2.2	170	0.75	17.3	2.4	3.7	24	0.3	0.1	0.1	6	0.28
1222157	Rock	1.66	<2	0.2	5.5	24.4	6	<0.1	0.7	0.3	39	0.47	18.5	0.6	9.4	4	<0.1	<0.1	<0.1	<2	0.02
1222158	Rock	1.19	<2	0.8	33.3	10.8	85	0.2	38.9	14.1	182	3.74	3.9	0.9	12.6	11	<0.1	<0.1	0.2	67	0.02
1222159	Rock	2.07	<2	0.2	2.5	1.2	2	<0.1	2.6	0.6	29	0.32	10.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
1222160	Rock	3.74	<2	0.2	27.5	50.9	58	0.1	29.1	13.3	315	2.55	3.3	<0.5	7.2	74	<0.1	0.3	0.6	9	0.58
1222161	Rock	1.14	<2	0.2	6.0	5.4	90	<0.1	7.5	5.7	257	4.01	4.2	1.0	1.4	2	<0.1	<0.1	0.3	15	0.02
1222162	Rock	1.45	19	0.2	15.7	3.4	58	<0.1	20.1	7.3	386	2.80	9.5	14.1	4.4	3	<0.1	<0.1	1.6	13	0.05
1222163	Rock	1.84	5	0.3	92.9	7.4	31	0.1	17.4	6.8	737	1.97	10.3	5.4	4.8	56	0.1	<0.1	0.8	16	0.77
1221800	Rock	0.35	<2	0.3	45.7	4.0	93	0.1	45.0	13.4	286	5.22	2.0	6.0	8.6	11	0.1	<0.1	0.1	103	0.07
1221801	Rock	0.94	10	1.2	1589	5.2	27	1.5	191.8	95.9	72	8.70	0.6	13.7	14.4	255	0.8	<0.1	0.8	10	5.75
1221802	Rock	0.70	<2	0.6	27.1	6.8	97	<0.1	43.9	13.1	619	5.60	<0.5	<0.5	8.3	9	0.1	<0.1	<0.1	88	0.02
1221803	Rock	0.56	<2	1.9	40.3	3.0	56	<0.1	37.5	13.2	244	3.22	8.8	0.6	13.3	7	<0.1	<0.1	<0.1	61	0.02
1221804	Rock	0.49	21	1.1	60.0	13.9	55	0.2	17.9	8.9	279	3.97	251.3	22.9	9.4	16	<0.1	<0.1	0.5	41	0.11

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CERTIFICATE OF ANALYSIS WHI11001082.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1204339	Rock		0.028	32	2	0.46	61	0.002	<20	1.17	0.020	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	8	<0.2
1204340	Rock		0.008	15	4	<0.01	211	<0.001	<20	0.15	0.004	0.08	5.9	0.05	0.2	0.07	0.3	0.5	1	<0.2
1204341	Rock		0.004	5	1	<0.01	520	<0.001	<20	0.10	0.002	0.02	0.1	0.03	<0.1	0.18	<0.1	0.8	<1	<0.2
1204342	Rock		0.015	30	<1	0.02	283	0.001	<20	0.44	0.026	0.27	0.2	<0.01	0.1	0.21	0.2	<0.5	1	<0.2
1204343	Rock		0.008	8	8	0.17	10	0.001	<20	0.50	0.018	0.01	<0.1	0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
1204344	Rock		0.056	17	442	3.56	266	0.041	<20	3.38	0.034	0.26	<0.1	<0.01	0.2	<0.05	11.6	0.9	10	<0.2
1204345	Rock		0.019	9	7	0.27	13	0.001	<20	0.46	0.040	0.01	<0.1	0.01	<0.1	<0.05	1.0	<0.5	1	<0.2
1204346	Rock		0.015	8	7	0.13	13	0.001	<20	0.30	0.013	0.02	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	1	<0.2
1204347	Rock		0.023	5	7	0.41	9	0.001	<20	0.68	0.031	0.02	<0.1	0.02	<0.1	<0.05	1.6	<0.5	1	<0.2
1204348	Rock		0.014	34	<1	0.03	173	<0.001	<20	0.45	0.028	0.24	<0.1	<0.01	0.1	0.06	0.3	0.6	1	<0.2
1204349	Rock		0.043	14	3	0.02	9	0.002	<20	0.15	0.011	0.02	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1204350	Rock		0.016	21	1	0.07	221	0.012	<20	0.65	0.095	0.16	0.6	0.13	<0.1	0.19	0.4	0.5	3	<0.2
1222151	Rock		0.016	21	2	0.07	125	0.014	<20	0.66	0.102	0.16	1.4	0.20	<0.1	0.35	0.3	<0.5	3	<0.2
1222152	Rock		0.042	9	11	0.38	246	0.052	<20	0.91	0.055	0.41	4.3	<0.01	0.3	0.10	1.4	<0.5	4	<0.2
1222153	Rock		0.009	4	9	0.87	66	0.004	<20	1.52	0.002	0.03	<0.1	0.03	<0.1	<0.05	2.0	<0.5	5	<0.2
1222154	Rock		0.008	12	7	0.15	102	0.001	<20	0.42	0.015	0.09	<0.1	<0.01	0.1	0.06	0.8	<0.5	1	<0.2
1222155	Rock		0.013	18	3	0.05	496	<0.001	<20	0.35	0.002	0.17	<0.1	0.02	0.3	0.08	1.0	0.6	<1	<0.2
1222156	Rock		0.011	5	8	0.11	33	0.018	<20	0.65	0.039	0.04	<0.1	0.03	<0.1	<0.05	0.6	<0.5	2	<0.2
1222157	Rock		0.011	4	1	<0.01	12	0.001	<20	0.21	0.049	0.17	0.3	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1222158	Rock		0.011	25	61	0.80	129	0.091	<20	2.77	0.018	0.82	0.1	<0.01	0.8	0.15	5.8	<0.5	9	<0.2
1222159	Rock		<0.001	<1	<1	<0.01	3	<0.001	<20	0.03	0.003	<0.01	<0.1	0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1222160	Rock		0.027	20	16	0.55	54	0.004	<20	1.24	0.021	0.17	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	4	<0.2
1222161	Rock		0.010	4	9	1.14	14	0.005	<20	1.96	<0.001	0.04	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	6	<0.2
1222162	Rock		0.025	15	<1	0.58	53	0.015	<20	1.39	0.009	0.14	<0.1	0.04	0.1	<0.05	1.3	<0.5	4	<0.2
1222163	Rock		0.018	8	17	0.32	26	0.026	<20	1.65	0.034	0.10	0.2	<0.01	<0.1	<0.05	2.6	<0.5	5	<0.2
1221800	Rock		0.032	26	82	0.67	217	0.348	<20	3.30	0.055	1.52	1.4	<0.01	1.5	0.13	13.2	<0.5	13	<0.2
1221801	Rock		0.194	39	13	0.06	13	0.066	<20	8.96	0.287	0.03	8.5	<0.01	<0.1	3.05	0.6	10.4	27	0.6
1221802	Rock		0.007	23	71	1.08	223	0.422	<20	3.53	0.032	2.10	1.4	<0.01	1.7	0.07	14.0	<0.5	15	<0.2
1221803	Rock		0.006	27	52	0.72	71	0.118	<20	2.91	0.052	0.75	0.4	<0.01	0.7	0.10	7.9	<0.5	10	<0.2
1221804	Rock		0.070	19	40	0.74	155	0.083	<20	1.89	0.029	0.86	0.4	<0.01	1.0	0.12	2.8	<0.5	6	<0.2

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Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

	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
1221805	Rock	2.06	<2	0.8	342.6	2.2	24	0.4	19.5	17.2	101	1.78	0.9	1.4	7.9	172	0.2	<0.1	0.2	5	4.43
1221806	Rock	0.68	<2	0.4	138.3	4.8	26	<0.1	9.3	20.9	88	2.40	5.4	1.3	3.1	17	0.1	<0.1	0.2	4	0.10
1221807	Rock	0.78	<2	0.2	19.3	8.4	94	<0.1	16.5	4.0	140	1.92	11.5	<0.5	12.9	43	1.1	0.1	0.8	22	0.60
1221808	Rock	1.04	<2	0.6	21.9	4.3	20	<0.1	20.0	3.2	98	1.08	7.2	2.2	8.2	54	0.2	<0.1	1.0	13	0.27
1221809	Rock	0.97	28	0.4	64.1	4.3	47	<0.1	19.1	6.1	232	2.65	15.8	37.1	7.6	12	0.2	<0.1	3.8	31	0.13
1221810	Rock	1.21	6	0.3	20.3	3.6	39	<0.1	13.7	4.1	168	1.85	19.5	1.4	14.7	5	0.2	0.3	0.9	22	0.03
1221811	Rock	0.80	<2	0.3	7.4	1.9	46	<0.1	25.1	10.1	256	2.86	14.7	1.8	13.0	9	0.2	0.1	0.3	35	0.06
1221812	Rock	0.62	<2	0.2	3.1	1.7	7	<0.1	4.9	2.4	135	0.43	21.4	1.7	2.3	2	<0.1	0.2	<0.1	<2	0.01
1221813	Rock	0.71	3	0.2	7.7	52.3	60	0.1	15.7	4.2	417	0.84	24.0	1.9	5.7	6	0.5	0.3	<0.1	2	0.23
1221814	Rock	0.58	<2	0.2	2.4	9.4	13	<0.1	6.7	1.9	218	0.48	40.5	<0.5	1.0	2	<0.1	0.2	<0.1	<2	0.04
1221815	Rock	0.98	<2	0.3	19.3	81.4	33	0.2	11.2	3.2	185	1.77	1.7	0.7	7.9	13	<0.1	<0.1	1.0	4	0.13
1221816	Rock	1.53	<2	0.3	12.9	9.2	23	<0.1	6.2	2.5	101	1.39	1.2	<0.5	4.3	5	<0.1	<0.1	0.1	3	0.03
1221817	Rock	1.27	<2	0.2	39.6	55.7	64	0.4	21.8	8.3	223	2.38	5.4	<0.5	1.9	16	<0.1	0.2	1.9	5	0.27
1221818	Rock	0.46	<2	0.2	4.0	9.6	10	<0.1	12.8	5.0	434	0.59	1.3	<0.5	1.3	9	<0.1	<0.1	<0.1	<2	0.11
1221819	Rock	1.08	648	0.5	66.7	3.7	43	0.5	17.4	13.2	277	2.79	>10000	663.2	6.9	21	0.5	2.5	1.1	24	0.06
1221820	Rock	1.09	3	0.3	1.4	14.0	33	<0.1	1.5	1.8	293	1.22	23.4	1.1	26.6	4	<0.1	<0.1	0.3	10	0.10
1221821	Rock	2.14	3	0.4	18.5	48.0	841	<0.1	15.4	7.2	601	2.33	72.1	2.7	15.1	7	4.8	<0.1	0.3	11	0.04
1221822	Rock	1.03	4	0.4	21.3	8.6	52	0.1	32.0	11.3	357	3.27	13.1	1.6	18.4	100	<0.1	0.8	0.1	44	0.71
1221823	Rock	1.01	<2	0.2	22.1	2.6	11	0.1	3.1	6.6	172	0.78	60.5	0.6	1.5	2	<0.1	<0.1	<0.1	<2	0.02
1221824	Rock	0.58	<2	0.4	6.0	4.6	14	<0.1	2.9	2.8	467	0.79	5.8	0.6	0.9	3	<0.1	0.2	0.2	<2	0.04
1221825	Rock	1.33	<2	0.3	5.1	9.7	19	<0.1	8.9	4.1	145	0.91	4.9	<0.5	2.5	2	<0.1	0.2	0.1	2	0.02
1221826	Rock	0.53	<2	0.3	24.8	14.1	48	<0.1	13.2	5.9	189	1.81	4.5	<0.5	2.5	<1	<0.1	0.3	0.3	3	<0.01
1221827	Rock	0.61	<2	0.2	6.8	7.0	13	<0.1	6.9	2.6	310	0.79	4.9	<0.5	1.9	7	<0.1	0.3	<0.1	<2	0.29
1221828	Rock	1.70	<2	0.3	2.9	1.4	3	<0.1	1.1	0.5	52	0.52	5.0	<0.5	1.7	1	<0.1	0.2	<0.1	<2	<0.01
1221829	Rock	0.68	<2	0.3	4.2	5.0	15	<0.1	4.9	2.2	543	1.24	6.0	<0.5	0.9	5	<0.1	0.1	<0.1	<2	0.13
1221830	Rock	0.46	<2	0.4	9.4	31.3	20	<0.1	6.2	2.8	314	0.98	0.5	<0.5	7.9	8	<0.1	<0.1	0.3	2	0.08
1221831	Rock	0.71	<2	0.2	6.5	8.8	20	<0.1	6.7	2.9	130	0.93	2.3	0.9	5.8	4	<0.1	<0.1	<0.1	<2	0.03
1221832	Rock	0.46	<2	0.2	6.3	7.8	7	<0.1	5.5	1.6	272	0.65	21.6	<0.5	1.5	3	<0.1	0.7	<0.1	<2	<0.01
1221833	Rock	1.57	<2	0.2	3.2	9.7	6	<0.1	2.8	1.2	108	0.45	2.0	0.7	6.1	11	<0.1	0.5	<0.1	<2	0.25
1221834	Rock	1.95	4	0.2	11.8	4.8	7	<0.1	4.0	1.5	258	0.65	1.0	2.9	6.0	118	<0.1	<0.1	<0.1	<2	1.63

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

Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1221805	Rock		0.076	24	7	0.02	7	0.066	<20	6.13	0.159	<0.01	20.3	0.03	<0.1	1.15	0.3	3.4	18	<0.2
1221806	Rock		0.009	4	7	0.14	32	0.012	<20	<0.01	0.011	0.07	<0.1	<0.01	<0.1	1.00	0.4	0.6	1	<0.2
1221807	Rock		0.074	20	25	0.38	48	0.053	<20	1.75	0.104	0.34	0.2	<0.01	0.4	<0.05	2.6	<0.5	6	<0.2
1221808	Rock		0.042	22	17	0.32	74	0.034	<20	1.23	0.059	0.32	0.1	0.01	0.5	<0.05	2.1	<0.5	4	<0.2
1221809	Rock		0.063	18	33	0.71	131	0.119	<20	1.75	0.019	0.81	0.4	0.01	0.7	<0.05	3.8	<0.5	6	0.3
1221810	Rock		0.007	18	24	0.43	61	0.067	<20	1.15	0.019	0.42	0.2	<0.01	0.7	<0.05	2.2	<0.5	5	<0.2
1221811	Rock		0.021	35	43	0.67	112	0.032	<20	1.83	0.014	0.55	<0.1	0.01	0.7	<0.05	3.9	<0.5	6	<0.2
1221812	Rock		0.005	6	2	0.04	11	0.001	<20	0.10	0.004	0.02	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221813	Rock		0.015	15	4	0.20	28	0.001	<20	0.38	0.011	0.07	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
1221814	Rock		0.011	3	2	0.03	12	<0.001	<20	0.08	0.006	<0.01	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221815	Rock		0.076	29	7	0.28	37	0.002	<20	0.76	0.009	0.14	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	2	0.2
1221816	Rock		0.017	9	5	0.19	18	0.001	<20	0.51	0.012	0.07	<0.1	0.01	<0.1	<0.05	0.7	<0.5	2	<0.2
1221817	Rock		0.136	6	5	0.51	17	0.003	<20	1.07	0.008	0.06	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	3	0.4
1221818	Rock		0.054	3	3	0.02	15	<0.001	<20	0.09	0.005	0.02	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221819	Rock		0.008	14	24	0.63	91	0.052	<20	1.45	0.044	0.50	<0.1	0.02	0.4	0.57	4.3	0.9	5	0.3
1221820	Rock		0.049	25	3	0.20	29	0.003	<20	0.62	0.045	0.13	0.9	<0.01	0.3	<0.05	2.2	<0.5	5	<0.2
1221821	Rock		0.026	17	18	0.40	66	0.006	<20	0.97	0.020	0.19	<0.1	<0.01	0.1	<0.05	1.3	<0.5	4	<0.2
1221822	Rock		0.094	13	43	0.92	50	0.095	<20	2.54	0.153	0.22	0.3	<0.01	<0.1	<0.05	4.8	0.5	10	<0.2
1221823	Rock		0.007	2	3	0.06	23	<0.001	<20	0.17	0.014	0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1221824	Rock		0.019	1	2	0.10	21	0.001	<20	0.24	0.004	0.01	<0.1	0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1221825	Rock		0.008	4	6	0.14	12	0.001	<20	0.35	0.030	0.03	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	1	<0.2
1221826	Rock		0.002	3	3	0.26	9	0.001	<20	0.57	0.003	0.02	<0.1	0.03	<0.1	<0.05	1.0	<0.5	2	0.2
1221827	Rock		0.004	3	2	0.02	16	<0.001	<20	0.05	0.010	0.01	<0.1	0.02	<0.1	<0.05	0.5	<0.5	<1	<0.2
1221828	Rock		0.003	3	2	<0.01	17	<0.001	<20	0.06	0.007	0.04	<0.1	0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1221829	Rock		0.013	2	3	0.09	52	<0.001	<20	0.15	0.017	<0.01	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	<1	<0.2
1221830	Rock		0.008	16	4	0.15	56	0.002	<20	0.45	0.015	0.12	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	1	<0.2
1221831	Rock		0.008	15	3	0.02	34	<0.001	<20	0.17	0.021	0.09	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1221832	Rock		0.003	3	3	<0.01	27	<0.001	<20	0.06	0.004	0.04	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221833	Rock		0.007	15	2	0.02	46	0.001	<20	0.13	0.013	0.12	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1221834	Rock		0.010	8	3	0.05	59	<0.001	<20	0.14	0.016	0.05	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2

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

Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

	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
1221835	Rock	2.08	6	0.2	285.5	811.0	60	0.3	2.5	1.1	2378	0.68	1.1	6.8	3.1	498	0.2	0.3	<0.1	<2	7.12
1221836	Rock	1.78	<2	0.3	38.4	9.0	27	<0.1	8.8	4.1	105	1.22	3.3	<0.5	10.1	41	<0.1	0.7	0.1	3	0.20
1221837	Rock	0.98	3	0.2	18.3	57.0	45	0.1	50.9	20.6	349	1.68	4.2	0.5	8.9	56	<0.1	0.3	0.5	5	0.31
1221838	Rock	0.91	4	0.3	18.1	25.2	40	<0.1	11.8	5.4	266	1.84	0.8	<0.5	7.9	31	<0.1	3.9	0.2	3	0.34
1221839	Rock	1.21	16	0.4	3.9	62.8	123	0.2	7.7	2.7	61	0.98	130.4	20.3	7.2	8	0.4	19.8	<0.1	<2	0.03
1221840	Rock	0.76	<2	0.2	6.4	8.8	20	<0.1	7.8	3.3	542	1.12	3.6	0.7	7.1	34	0.1	0.5	<0.1	3	0.74
1221841	Rock	1.62	<2	0.2	8.7	10.3	27	<0.1	11.4	4.8	279	1.57	2.5	<0.5	8.9	45	<0.1	0.3	<0.1	5	0.47
1221842	Rock	1.23	<2	0.2	27.7	80.4	192	0.2	1.3	0.4	21	0.47	0.8	1.1	0.4	<1	0.4	<0.1	0.7	<2	<0.01
1221843	Rock	0.78	<2	0.2	14.7	2.7	7	<0.1	4.8	1.0	64	0.50	6.0	0.8	<0.1	<1	<0.1	0.2	0.1	<2	<0.01
1221844	Rock	1.45	<2	0.4	22.3	411.7	20	3.7	6.7	5.7	158	2.40	191.2	1.2	0.4	<1	0.2	0.6	2.5	<2	0.01
1221845	Rock	0.97	<2	0.2	2.4	<0.1	2	<0.1	1.1	0.4	35	0.38	2.9	<0.5	0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
1221846	Rock	1.19	<2	0.2	3.9	50.2	8	0.2	2.7	1.1	320	0.64	1.9	<0.5	2.8	7	<0.1	0.2	0.7	<2	0.24
1221847	Rock	0.47	<2	0.2	44.4	84.1	10	0.2	10.2	3.1	68	0.52	3.3	0.6	1.0	6	<0.1	1.1	0.6	<2	0.10
1221848	Rock	0.91	<2	0.2	3.2	4.3	73	<0.1	17.7	7.1	445	2.95	0.9	<0.5	0.8	10	<0.1	0.5	<0.1	8	0.20
1221849	Rock	1.35	<2	0.1	11.5	9.5	26	<0.1	8.1	4.3	1152	1.44	3.4	<0.5	2.6	297	0.2	0.3	0.1	6	3.78
1221850	Rock	0.84	<2	0.2	16.8	18.1	72	<0.1	10.0	6.5	227	2.99	4.5	<0.5	13.5	6	<0.1	0.1	0.2	9	0.05
1222701	Rock	0.84	<2	0.2	40.3	8.8	71	0.1	33.3	16.0	344	3.36	17.6	0.7	12.1	13	<0.1	<0.1	0.3	32	0.13
1222702	Rock	2.87	<2	0.6	45.2	8.0	70	<0.1	34.4	16.3	578	3.77	8.3	0.6	9.1	14	0.1	<0.1	0.9	20	0.07
1220620	Rock	0.55	<2	<0.1	1.0	4.9	67	<0.1	1.2	1.2	141	0.87	0.7	<0.5	28.8	7	<0.1	<0.1	0.2	6	0.07
1220621	Rock	1.21	<2	1.3	5.0	3.7	72	<0.1	4.4	6.8	521	3.05	2.3	1.3	10.2	156	<0.1	<0.1	0.7	59	1.65
1220622	Rock	1.62	<2	0.2	13.7	4.6	40	<0.1	28.5	9.8	246	2.25	28.9	0.5	12.7	10	0.1	<0.1	0.3	29	0.15
1220623	Rock	1.70	<2	0.5	3.8	21.9	24	<0.1	4.8	2.2	371	0.80	1.4	<0.5	1.6	7	0.4	0.1	<0.1	<2	0.11
1220624	Rock	1.12	<2	0.2	11.4	17.4	23	0.2	3.1	1.5	120	1.87	7.5	29.1	4.0	9	<0.1	0.2	0.3	5	<0.01
1220625	Rock	0.88	<2	0.2	19.0	8.8	55	<0.1	8.1	3.8	273	3.01	4.2	0.5	7.6	7	<0.1	0.2	0.1	8	<0.01
1220626	Rock	1.56	<2	1.8	32.4	5.6	87	0.1	7.6	11.8	568	3.79	1.6	0.8	9.0	173	0.2	<0.1	<0.1	94	1.56
1220627	Rock	1.20	<2	1.7	18.8	9.6	78	<0.1	4.7	6.9	489	3.07	6.8	0.6	13.6	112	0.2	0.2	<0.1	48	0.91
1220628	Rock	1.61	<2	0.4	30.6	7.2	18	<0.1	1.9	0.9	27	3.74	44.8	2.3	4.8	2	<0.1	0.4	0.2	5	<0.01
1220629	Rock	1.56	<2	0.3	15.7	37.0	35	0.4	0.7	0.4	186	0.77	186.4	<0.5	13.4	8	0.5	0.2	0.5	<2	0.05
1220630	Rock	1.63	<2	0.1	6.4	2.4	11	<0.1	9.3	4.2	239	0.71	4.8	<0.5	3.9	2	<0.1	0.2	<0.1	2	0.01
1220631	Rock	0.99	<2	0.2	58.6	10.3	102	<0.1	57.1	17.3	250	4.81	15.9	<0.5	15.0	9	<0.1	<0.1	0.2	52	0.09

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		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1221835	Rock		0.003	6	3	0.11	20	<0.001	<20	0.17	0.017	0.03	<0.1	0.05	<0.1	<0.05	0.7	1.0	<1	<0.2
1221836	Rock		0.013	16	9	0.19	65	0.002	<20	0.49	0.023	0.14	<0.1	0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
1221837	Rock		0.020	20	8	0.33	70	0.007	<20	0.86	0.020	0.25	<0.1	0.01	<0.1	<0.05	1.2	<0.5	2	<0.2
1221838	Rock		0.038	12	7	0.14	25	0.003	<20	0.24	0.041	0.07	<0.1	0.01	<0.1	0.15	0.7	<0.5	<1	<0.2
1221839	Rock		0.006	17	2	0.02	50	0.001	<20	0.23	0.006	0.18	0.3	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1221840	Rock		0.008	15	5	0.10	35	<0.001	<20	0.31	0.021	0.08	<0.1	0.05	<0.1	<0.05	0.8	<0.5	<1	<0.2
1221841	Rock		0.010	19	9	0.23	38	0.002	<20	0.55	0.029	0.11	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	2	<0.2
1221842	Rock		0.006	5	1	<0.01	10	<0.001	<20	0.05	0.003	0.03	<0.1	0.58	<0.1	<0.05	0.1	<0.5	<1	<0.2
1221843	Rock		0.002	<1	2	0.06	2	<0.001	<20	0.13	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1221844	Rock		0.007	<1	3	<0.01	5	<0.001	<20	0.06	0.002	<0.01	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221845	Rock		0.002	<1	2	<0.01	2	<0.001	<20	0.03	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1221846	Rock		0.019	4	4	0.03	5	<0.001	<20	0.08	0.033	<0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1221847	Rock		0.036	3	3	<0.01	11	<0.001	<20	0.05	0.006	0.02	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1221848	Rock		0.002	<1	5	0.60	6	0.003	<20	1.24	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	4	<0.2
1221849	Rock		0.013	5	11	0.28	55	0.002	<20	0.57	0.026	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	2	<0.2
1221850	Rock		0.020	26	15	0.58	82	0.004	<20	1.27	0.010	0.27	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	4	<0.2
1222701	Rock		0.032	30	38	0.86	141	0.051	<20	2.03	0.031	0.57	<0.1	<0.01	0.2	<0.05	2.9	<0.5	7	<0.2
1222702	Rock		0.030	28	21	0.57	156	0.021	<20	1.99	0.019	0.24	<0.1	<0.01	0.2	<0.05	1.6	<0.5	5	<0.2
1220620	Rock		0.025	30	<1	0.13	37	0.024	<20	0.50	0.031	0.17	6.1	<0.01	0.2	<0.05	0.8	<0.5	5	<0.2
1220621	Rock		0.087	25	26	1.01	711	0.201	<20	3.38	0.275	0.67	<0.1	<0.01	0.6	0.09	3.8	<0.5	12	<0.2
1220622	Rock		0.018	23	31	0.62	88	0.104	<20	1.43	0.024	0.48	0.2	<0.01	0.3	<0.05	2.5	<0.5	6	<0.2
1220623	Rock		0.029	3	6	0.07	11	0.001	<20	0.17	0.032	0.02	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2
1220624	Rock		0.023	6	9	0.22	19	0.003	<20	0.49	0.016	0.04	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	2	<0.2
1220625	Rock		0.016	20	14	0.61	42	0.002	<20	1.39	0.010	0.13	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	4	<0.2
1220626	Rock		0.128	24	53	1.44	1373	0.297	<20	3.41	0.231	0.97	0.1	<0.01	0.5	0.13	3.6	1.2	10	<0.2
1220627	Rock		0.089	33	18	0.90	1324	0.289	<20	2.64	0.205	1.06	0.2	<0.01	0.7	<0.05	3.6	1.1	9	<0.2
1220628	Rock		0.017	9	5	0.03	19	<0.001	<20	0.31	0.006	0.09	<0.1	<0.01	<0.1	<0.05	0.5	1.2	2	<0.2
1220629	Rock		0.014	28	<1	0.01	175	<0.001	<20	0.32	0.029	0.24	0.1	<0.01	0.1	<0.05	0.1	<0.5	<1	<0.2
1220630	Rock		0.007	9	6	0.10	20	<0.001	<20	0.28	0.015	0.04	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1220631	Rock		0.053	44	47	1.10	185	0.157	<20	3.15	0.015	1.20	<0.1	<0.01	0.8	<0.05	5.0	<0.5	9	<0.2

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

Project: LUG+TS
Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001082.1

	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																					
1204345	Rock	2.29	4	0.4	15.2	81.1	84	0.3	27.0	17.5	565	1.47	5.4	0.8	4.6	3	0.8	0.2	0.1	3	0.04
REP 1204345	QC		5																		
1221805	Rock	2.06	<2	0.8	342.6	2.2	24	0.4	19.5	17.2	101	1.78	0.9	1.4	7.9	172	0.2	<0.1	0.2	5	4.43
REP 1221805	QC			0.8	340.9	2.1	24	0.4	19.1	16.7	101	1.78	0.6	1.9	7.6	165	0.2	<0.1	0.1	5	4.41
1221840	Rock	0.76	<2	0.2	6.4	8.8	20	<0.1	7.8	3.3	542	1.12	3.6	0.7	7.1	34	0.1	0.5	<0.1	3	0.74
REP 1221840	QC			0.2	5.8	8.3	20	<0.1	7.9	3.3	544	1.10	3.7	<0.5	6.9	34	<0.1	0.5	<0.1	3	0.74
1221846	Rock	1.19	<2	0.2	3.9	50.2	8	0.2	2.7	1.1	320	0.64	1.9	<0.5	2.8	7	<0.1	0.2	0.7	<2	0.24
REP 1221846	QC		<2																		
1221849	Rock	1.35	<2	0.1	11.5	9.5	26	<0.1	8.1	4.3	1152	1.44	3.4	<0.5	2.6	297	0.2	0.3	0.1	6	3.78
REP 1221849	QC			0.2	11.3	9.4	26	<0.1	8.0	4.4	1130	1.41	3.6	<0.5	2.5	297	0.2	0.3	<0.1	6	3.70
Core Reject Duplicates																					
1222157	Rock	1.66	<2	0.2	5.5	24.4	6	<0.1	0.7	0.3	39	0.47	18.5	0.6	9.4	4	<0.1	<0.1	<0.1	<2	0.02
DUP 1222157	QC		<2	0.2	5.4	23.8	6	<0.1	0.6	0.3	36	0.46	6.0	0.7	9.7	4	<0.1	<0.1	<0.1	<2	0.02
1221828	Rock	1.70	<2	0.3	2.9	1.4	3	<0.1	1.1	0.5	52	0.52	5.0	<0.5	1.7	1	<0.1	0.2	<0.1	<2	<0.01
DUP 1221828	QC		<2	0.3	2.3	1.6	4	<0.1	2.1	0.7	63	0.57	3.4	0.7	1.8	1	<0.1	0.1	<0.1	<2	<0.01
1220630	Rock	1.63	<2	0.1	6.4	2.4	11	<0.1	9.3	4.2	239	0.71	4.8	<0.5	3.9	2	<0.1	0.2	<0.1	2	0.01
DUP 1220630	QC		<2	0.2	6.6	2.5	11	<0.1	9.5	4.3	234	0.73	3.9	<0.5	3.9	2	<0.1	0.2	<0.1	2	0.01
Reference Materials																					
STD DS8	Standard			14.0	117.2	136.1	328	1.9	39.8	8.0	655	2.64	31.5	116.7	7.3	71	2.4	4.7	7.6	45	0.76
STD DS8	Standard			14.5	109.0	117.0	318	1.8	42.1	8.7	647	2.57	27.8	132.7	6.4	61	2.5	4.3	6.4	43	0.73
STD DS8	Standard			13.5	104.0	113.9	297	1.9	37.3	7.6	606	2.43	26.4	162.0	5.9	60	2.4	4.0	5.7	41	0.69
STD OREAS45CA	Standard			0.8	533.5	21.5	61	0.2	247.5	88.8	933	15.47	4.5	43.2	7.4	15	<0.1	<0.1	0.2	202	0.43
STD OREAS45CA	Standard			1.0	530.8	20.6	58	0.3	259.4	95.5	925	16.69	3.9	39.4	6.5	14	<0.1	<0.1	0.2	216	0.43
STD OREAS45CA	Standard			0.9	513.1	19.4	58	0.3	249.1	89.4	925	16.26	3.8	43.6	6.4	15	<0.1	0.1	0.2	206	0.41
STD OXC88	Standard		206																		
STD OXC88	Standard		200																		
STD OXC88	Standard		194																		
STD OXC88	Standard		198																		

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

Project: LUG+TS
Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001082.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
1204345	Rock	0.019	9	7	0.27	13	0.001	<20	0.46	0.040	0.01	<0.1	0.01	<0.1	<0.05	1.0	<0.5	1	<0.2
REP 1204345	QC																		
1221805	Rock	0.076	24	7	0.02	7	0.066	<20	6.13	0.159	<0.01	20.3	0.03	<0.1	1.15	0.3	3.4	18	<0.2
REP 1221805	QC	0.073	22	8	0.02	7	0.063	<20	6.05	0.158	<0.01	20.3	0.01	<0.1	1.13	0.3	3.5	17	<0.2
1221840	Rock	0.008	15	5	0.10	35	<0.001	<20	0.31	0.021	0.08	<0.1	0.05	<0.1	<0.05	0.8	<0.5	<1	<0.2
REP 1221840	QC	0.008	16	5	0.10	35	<0.001	<20	0.31	0.019	0.08	<0.1	0.03	<0.1	<0.05	0.9	<0.5	1	<0.2
1221846	Rock	0.019	4	4	0.03	5	<0.001	<20	0.08	0.033	<0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
REP 1221846	QC																		
1221849	Rock	0.013	5	11	0.28	55	0.002	<20	0.57	0.026	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	2	<0.2
REP 1221849	QC	0.012	5	11	0.27	57	0.002	<20	0.56	0.024	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	2	<0.2
Core Reject Duplicates																			
1222157	Rock	0.011	4	1	<0.01	12	0.001	<20	0.21	0.049	0.17	0.3	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
DUP 1222157	QC	0.012	4	1	<0.01	10	0.001	<20	0.20	0.044	0.15	0.4	0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1221828	Rock	0.003	3	2	<0.01	17	<0.001	<20	0.06	0.007	0.04	<0.1	0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
DUP 1221828	QC	0.003	3	3	<0.01	20	<0.001	<20	0.08	0.007	0.05	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1220630	Rock	0.007	9	6	0.10	20	<0.001	<20	0.28	0.015	0.04	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
DUP 1220630	QC	0.008	9	6	0.10	20	<0.001	<20	0.29	0.015	0.03	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
Reference Materials																			
STD DS8	Standard	0.085	17	123	0.65	314	0.119	<20	1.01	0.097	0.45	2.5	0.21	5.8	0.18	2.5	6.3	5	5.6
STD DS8	Standard	0.080	16	112	0.62	304	0.109	<20	0.95	0.092	0.43	2.6	0.21	5.7	0.18	2.1	4.6	5	4.8
STD DS8	Standard	0.080	13	115	0.60	300	0.100	<20	0.90	0.087	0.41	2.4	0.20	5.3	0.16	1.9	5.2	5	4.8
STD OREAS45CA	Standard	0.040	16	716	0.15	163	0.127	<20	3.94	0.015	0.08	<0.1	0.04	<0.1	<0.05	39.2	0.6	19	<0.2
STD OREAS45CA	Standard	0.038	17	814	0.13	172	0.128	<20	3.76	0.010	0.07	<0.1	0.04	<0.1	<0.05	37.0	<0.5	19	<0.2
STD OREAS45CA	Standard	0.039	16	718	0.14	172	0.124	<20	3.79	0.005	0.07	<0.1	0.03	<0.1	<0.05	35.3	0.6	19	<0.2
STD OXC88	Standard																		
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Project: LUG+TS
Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001082.1

		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
STD OXH82	Standard		1318																		
STD OXH82	Standard		1310																		
STD OXH82	Standard		1313																		
STD OXH82	Standard		1325																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<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
Prep Wash																					
G1	Prep Blank		<2	0.3	2.8	3.3	49	<0.1	3.0	4.5	586	2.08	1.3	2.7	5.5	60	<0.1	<0.1	<0.1	39	0.54
G1	Prep Blank		<2	0.2	2.3	3.2	48	<0.1	3.2	4.6	592	2.12	<0.5	1.1	4.8	57	<0.1	<0.1	<0.1	39	0.53

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QUALITY CONTROL REPORT WHI11001082.1

		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Tl ppm 0.1	1DX S % 0.05	1DX Sc ppm 0.1	1DX Se ppm 0.5	1DX Ga ppm 1	1DX Te ppm 0.2
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
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BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.075	13	5	0.52	190	0.123	<20	0.99	0.096	0.50	<0.1	<0.01	0.4	<0.05	1.9	<0.5	5	<0.2
G1	Prep Blank	0.075	12	5	0.53	178	0.121	<20	1.00	0.094	0.50	<0.1	<0.01	0.4	<0.05	1.9	<0.5	5	<0.2

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