ASSESSMENT REPORT

2011 GEOCHEMICAL PROGRAM

on the

Goodman Property

Mayo Mining District, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for: 'MQ' 1-342 (YD94301 - YD94642)
NTS Mapsheet: 115P16
UTM Coordinates: E440000, N7088000 (NAD83, Zone 8)
Owner: Goldspike Exploration Inc.
Author: D. Ferraro, HBSc.
Dates worked performed: August 26th, 2011 to September 2nd, 2011

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1.0 SUMMARY

An 8 day geochemical sampling program was conducted on the Goodman Property from August 26th, 2011 to September 2nd, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 342 contiguous quartz claims located in the Mayo Mining District.

The Goodman Property is situated in the McQuesten River area, approximately 150 km ESE of Dawson City and 40 km NNW of Mayo. It can be reached by truck from Mayo via the Silver Trail Highway, McQuesten River bridge, a series of placer mining roads and an access road running along the north side of the McQuesten River. For this purposes of this program, a helicopter was used based out of a field camp.

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

A total of 1305 soil samples, 12 silt samples, and 36 rock samples were taken over the course of the program. Numerous geochemical gold anomalies were outlined including a large, possibly NE, trend in the Rodin Creek area as well as a zone of gold-arsenic-antimony anomalies on the east end near Haggart Creek. Prospecting uncovered a stibnite showing in boulders in this area with values of 390 ppb Au giving further evidence of a local source of the anomalies.

The geological setting of the property is favourable to Carlin-style gold mineralization and high-grade vein deposits. The numerous geochemical anomalies found in this work program are a promising start to exploration on the property. Grid-style soil sampling is recommended for the gold trend in the Rodin Creek area, the anomalies at Haggart Creek, and the numerous isolated anomalies across the property if resources permit. A ground magnetic geophysical survey may help locate the source of the stibnite mineralization. More systematic prospecting can be done in these areas as well as around the galena mineralization found in the southwest of the property. If results are favourable, a trenching program could be done with a mobile CanDig machine on the property.

2.0 INTRODUCTION

This assessment report has been prepared at the request of Mr. Bruce Durham, president of Goldspike Exploration Inc. of Toronto, Ontario. The report describes the 2011 geochemical and prospecting program on the Goodman 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 Goodman Property is situated in the McQuesten River area, approximately 150 km ESE of Dawson City and 40 km NNW of Mayo (Figure 1). It can be reached by truck from Mayo by taking the Silver Trail Highway, then branching west to the McQuesten River bridge. This leads to various placer mining roads on the east side of the property (Secret Creek area) and an all-weather road that extends west along the north side of the McQuesten River. For the purposes of this soil sampling program, a helicopter was used based from a field camp.

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

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The Goodman Property is situated in a lower elevation area adjacent to the McQuesten River. The McQuesten River valley is mostly at about 2000 ft elevation. Mountain peaks on the property are mostly at about 3500 ft, but reach as high as 4000 ft on the east side of the property.

Vegetation consists of evergreen and deciduous forest which dominates the slopes. The mountain tops are also vegetated due to lower elevations. Some areas of south facing slopes have sparse spruce tree covering. Bedrock exposure is quite limited across the property (1%). Only peaks on the east side have any significant outcroppings. Outcrop can also be found in the high relief creek valley in the southwest corner of the property.

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: McQuesten River valley from the Goodman Property (facing south).

5.0 PROPERTY DESCRIPTION

The Goodman Property consists of 342 contiguous quartz claims in the Mayo Mining District. The 342 'MQ' claims can be found on NTS mapsheet 115P16 (see Figure 2). The claims are owned 100% by Goldspike Exploration Inc. of Toronto, Ontario. Since the certificate of work report for the Goodman Property was filed, additional 'G' and 'GM' claims have been added on to the property which are not included in Table 1.

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

Table 1: Claims comprising the Goodman Property.

Claim Name	Claim Number	Grant Number	Claim Owner	(%)	Status	Claim Expiry Date
MQ	1	YD94301	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	2	YD94302	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	3	YD94303	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	4	YD94304	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	5	YD94305	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	6	YD94306	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	7	YD94307	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	8	YD94308	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	9	YD94309	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	10	YD94310	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	11	YD94311	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	12	YD94312	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	13	YD94313	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	14	YD94314	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	15	YD94315	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	16	YD94316	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	17	YD94317	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	18	YD94318	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	19	YD94319	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	20	YD94320	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	21	YD94321	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	22	YD94322	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	23	YD94323	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	24	YD94324	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	25	YD94325	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	26	YD94326	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	27	YD94327	Goldspike Exploration Inc.	100	Active	01/03/2015

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MQ	29	YD94329	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	30	YD94330	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	31	YD94331	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	32	YD94332	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	33	YD94333	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	35	YD94335	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	36	YD94336	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	229	YD95529	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	230	YD95530	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	231	YD95531	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	232	YD95532	Goldspike Exploration Inc.	100	Active	01/03/2015

MQ	233	YD95533	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	234	YD95534	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	235	YD95535	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	236	YD95536	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	237	YD95537	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	238	YD95538	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	239	YD95539	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	240	YD95540	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	241	YD95541	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	242	YD95542	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	243	YD95543	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	244	YD95544	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	245	YD95545	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	246	YD95546	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	250	YD95550	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	251	YD95551	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	252	YD95552	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	253	YD95553	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	254	YD95554	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	255	YD95555	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	256	YD95556	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	257	YD95557	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	258	YD95558	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	259	YD95559	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	260	YD95560	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	261	YD95561	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	262	YD95562	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	264	YD95564	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	273	YD95573	Goldspike Exploration Inc.	100	Active	01/03/2015

MQ	274	YD95574	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	278	YD95578	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	281	YD95581	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	282	YD95582	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	283	YD95583	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	284	YD95584	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	287	YD95587	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	296	YD95596	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	300	YD95600	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	304	YD95604	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	305	YD95605	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	306	YD95606	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	307	YD95607	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	308	YD95608	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	309	YD95609	Goldspike Exploration Inc.	100	Active	01/03/2015
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MQ	313	YD95613	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	314	YD95614	Goldspike Exploration Inc.	100	Active	01/03/2015

MQ	315	YD95615	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	316	YD95616	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	317	YD95617	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	318	YD95618	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	319	YD95619	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	320	YD95620	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	321	YD95621	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	322	YD95622	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	323	YD95623	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	324	YD95624	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	325	YD95625	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	326	YD95626	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	327	YD95627	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	328	YD95628	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	329	YD95629	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	330	YD95630	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	331	YD95631	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	332	YD95632	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	333	YD95633	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	334	YD95634	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	335	YD95635	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	336	YD95636	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	337	YD95637	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	338	YD95638	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	339	YD95639	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	340	YD95640	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	341	YD95641	Goldspike Exploration Inc.	100	Active	01/03/2015
MQ	342	YD95642	Goldspike Exploration Inc.	100	Active	01/03/2015

Goodman Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

- 'MQ'claims
- 'G'claims
- 'GM'claims
- Yukon quartz claims

1:35,000

0 650 1,300 2,600 3,900 5,200
Meters

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

6.0 PROPERTY HISTORY

There is no recorded work on the MQ claims, but Canada Tungsten reported that the area was explored by placer miners as early as the 1890s, and that numerous overgrown roads, trenches and adits can be seen in the area around Swede and Secret Creeks.

The southwest of the property was staked at the Rodin claims in 1963 and restaked as the RC claims in 1994. No work was done (Minfile 115P005).

The nearest claims are the SEA group staked by YCS 2 km south of the Goodman property in October, 2010, and the DUB claims staked by Stratagold 3 km ENE of the property in January, 2004. The SECRET Minfile occurrence located on Secret Creek 3 km ENE of the Goodman Property was explored as a tin-tungsten prospect by Canada Tungsten Mining Corp. and Queenstake Resources Ltd. in 1978, based on government stream sediment geochemistry (Minfile 115P028). A geochemical survey of the SECRET property included 211 silt and 265 one metre-deep auger soil samples in an area described as largely overburden and brush-covered. Canada Tungsten's assessment report considered gold values over 10 ppb to be anomalous for the area, and identified three areas of anomalous gold in silt with values of 70 to 140 ppb Au. The gold was inferred to be related to east-northeast extensional faults that are contemporaneous with intrusive activity in the area (Bremner, 2010).

7.0 GEOLOGY

7.1 Regional Geology

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

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

7.2 Property Geology

The Goodman Property is underlain by Upper Proterozoic quartzite, schist, phyllite, and conglomerate. A large slate unit is mapped by Muphy and Heon (1996) covering the northwestern edge of the property (Figure 3). Various thin units of limestone are also mapped throughout the region.

The MQ claims cover active and historic placer claims in Goodman Creek, Rodin Creek, and an unnamed east-flowing tributary of Secret Creek, as well as one 98th percentile (46 ppb) and three 95th percentile (26, 18 and 17 ppb) gold silt anomalies in unnamed tributaries of the McQuesten River, Red Creek, and Secret Creek. These gold placers and silt anomalies drain in all directions from an east-northeast trending ridge system that is approximately on trend with the Dublin Gulch deposit, and is underlain by the same Hyland Group metamorphic rocks that host the Dublin Gulch deposit (Bremner, 2010).

Observations during the 2011 work program revealed the property is dominated by quartzite and muscovite-chlorite schists. Slate and limestone outcrops were observed in northwest of the property. Schists are generally well foliated and display varying degrees of deformation. Isoclinal folds are commonly observed where outcrop is available. On the west side of the property, the metasediments appear to strike ENE and dip shallowly to the north. To the east, the strike and dip tends to be more EW while still dipping shallowly to the north.

Quartz veining is consistent in outcrop and in angular boulders throughout the property. Veins have been observed as wide as 2 ft thick. Stockwork was also found in boulders east of Goodman Creek.

Rocks are generally well oxidized, rusty, and weathered. Pyrite mineralization is fairly common in the quartz veins and wallrock. Galena, pyrite, chalcopyrite, and scorodite was observed in the southwest of the property in quartz veins within mica-graphite schist. A new showing of stibnite mineralization with sulfur was discovered in the quartzites near Haggart Creek.

Medium grained, equigranular, pink granite boulders were observed on the east end of the property near Haggart Creek.

Goodman Property

Fig. 3: Bedrock Geology Map

Goldspike Exploration Inc.

McQuesten River area,
Mayo Mining District

Legend

- 'MQ' claims
- 'G' claims
- 'GM' claims

Bedrock Geology

Lithology

- shale/siltstone/sandstone/limestone
- phyllite/shale/sandstone/grit/conglomerate
- siltstone/sandstone/conglo
- flows/tuffs/plugs/chert
- shale/quartzite
- slate
- limestone
- porphyry/rhyolite
- Fault lines

1:50,000

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

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

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

An 8 day geochemical sampling program was conducted on the Goodman Property from August 26th, 2011 to September 2nd, 2011. Working out of a camp, a crew of 6 soil samplers, 2 prospectors and one geologist collected 1305 soil samples, 12 silt samples, and 36 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. Due to the lack of outcrop on the property, many samples were taken by digging small pits and sampling the talus. Samples were placed inside labeled plastic poly bags with the corresponding sample tag. Sample descriptions were recorded in a field notebook and the location recorded by GPS unit. Sample locations were marked with flagging tape labeled with the sample number. Rock sample descriptions can be found in Appendix III.

8.2 Sample Preparation, Analysis, and QA/QC

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

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

Quality control samples from the lab include control blanks, duplicates and standards. Sample blanks (BLK), pulp duplicates and standards (STD DS8) were run with the batch analysis; no problems were noted with analytical accuracy or precision. Analytical results for the soil and rock samples are given in Appendices III and IV, respectively.

8.3 Results

Soil Samples

The soil sampling program conducted on the Goodman Property yielded numerous strong geochemical gold anomalies (Figures 5 and 6). Arsenic is also weakly concordant with gold on the property. The west side of the property (Rodin Creek area) hosts the largest and strongest trend beginning with 191.8 ppb Au on a north slope. This continues to the south-southwest with numerous samples in the 50 to 150 ppb Au range. The center of the property off of Goodman Creek also hosts one lone 175 ppb Au, 104.9 ppm As sample with no other anomalous samples around it. A short, slightly anomalous trend is 2 km to the southeast. On the furthest east end of the property (Haggart Creek area), a number of gold anomalous samples are grouped, the highest being 141 ppb Au. This entire area is also arsenic and antimony anomalous with samples as high as 68 ppm As and 13 ppm Sb. Soil sample results can be found in Appendix IV.

Silt Samples

Twelve silt samples were taken from the property. One sample was strongly anomalous at 68 ppb Au (Figure 7). This was taken from a creek draining off a slope where a number of soil anomalies are shown. It is also a few hundred meters from a GSC collected sample yielding 18 ppb Au. Silt sample results can be found in Appendix V.

Rock Samples

Thirty-six rock samples were taking from the property. Due to limited outcrop, some samples were taken from the talus found in hand dug pits. Numerous quartz veins were observed in the metasediments and as talus, often with oxidization and sulphide mineralization (Photo 2). One particularly high-relief creek valley in the southwest of the property has abundant outcrop exposure and displayed pyrite and galena mineralization. Samples here yielded up to 5525 ppm Pb, 14.6 ppm Ag, 379 ppm Zn, and 56 ppb Au. The other significant showing is on the furthest east end of the property in the Haggart Creek area. A number of large boulders and 'subcrop' displayed stibnite mineralization with yellow sulfur in a seam 0.5 to 1 cm wide as well as blebs in the groundmass (Photo 3). These samples assayed over the limit for antimony (>2000 ppm Sb) and up to 390 ppb Au with anomalous Cu, Zn, and S. Rock sample results can be found in Appendix VI.

Photo 2: Sampling quartz vein boulder (material for sample 1225402).

Photo 3: Seam of stibnite mineralization in sample 1224365.

Goodman Property

Fig. 4: Sample Location Map

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

- Soil samples
- Silt samples
- Rock samples
- Goodman Property
- New Goldspike claims

1:25,000

0 470 940 1,880 2,820 3,760 Meters

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

436000 438000 440000 442000 444000 446000 448000 450000

7094000 7092000 7090000 7088000 7086000 7084000

Goodman Creek

Haggart Creek

Rodin Creek

Goodman Property

Fig. 5: Soil Geochemistry - Gold

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

Soil samples

Au (ppb)

- 0 - 15.0
- 15.1 - 40.0
- 40.1 - 100.0
- 100.1 - 150.0
- 150.1 - 191.8

Goodman Property

New Goldspike claims

N

1:25,000

0 470 940 1,880 2,820 3,760

Meters

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

Goodman Property

Fig. 6: Soil Geochemistry - Arsenic

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

Soil samples

As (ppm)

- 0.0 - 15.0
- 15.1 - 40.1
- 40.1 - 100.0
- 100.1 - 500.0
- 500.1 - 809.9

Goodman Property

New Goldspike claims

N

1:25,000

0 470 940 1,880 2,820 3,760
Meters

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

436000 438000 440000 442000 444000 446000 448000 450000

7094000 7092000 7090000 7088000 7086000 7084000

Goodman Creek

Haggart Creek

Rodin Creek

Goodman Property

Fig. 7: Rock and Silt Sample Gold Results

Goldspike Exploration Inc.

McQuesten River area
Mayo Mining District

Legend

- Rock samples (Au)
- Silt Samples (Au)

Regional Stream Geochem

Au (ppb)

- 0.0 - 15.0
- 15.1 - 74.0
- 74.1 - 215.0
- 215.1 - 482.0
- 482.1 - 1170.0
- Goodman Property
- New Goldspike claims

N

1:25,000

0 470 940 1,880 2,820 3,760 Meters

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

9.0 CONCLUSIONS AND RECOMMENDATIONS

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

Soil sampling in the Rodin Creek area on the west side of the property revealed a large, 5km, potentially NNE anomalous gold trend. Outcrop observations in this area support a NE strike in the metasediments. Further grid-style soil sampling is recommended across this trend to help locate the source of these anomalies. Due to the lack of outcrop, systematic talus sampling should be done with small, hand dug pits. If results are positive, a trenching program could be accomplished with a CanDig machine.

The galena mineralization found in the high relief, outcrop-rich area in the southwest of the property should be followed up with further prospecting.

The stibnite mineralization and gold-arsenic soil anomalies on the east end of the property at Haggart Creek should be followed up with grid-style soil sampling and potentially a trenching operation. This area may also benefit from a ground mag geophysical survey.

The numerous smaller, isolated geochemical anomalies on the property are a lower priority but should be followed up with soil grids if resources are available. Furthermore, additional silt sampling should be done across the entire property.

The new ‘G’ and ‘GM’ claims staked around the Goodman Property should be worked with reconnaissance soil sampling and prospecting.

REFERENCES

Bremner, T. (2010): Goodman Property MQ 1-342 Claims (applications pending) 115P16, Mayo Mining District, for YC Syndicate, Goldspike Exploration Inc.

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.

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

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

Yukon Minfile 115P005 (1996): RODIN, Yukon Geological Survey.

Yukon Minfile 115P028 (1996): SECRET, Yukon Geological Survey.

STATEMENT OF EXPENDITURES

EXPLORATION COSTS ASSOCIATED WITH THE GOODMAN PROPERTY BETWEEN Aug. 26th and Sept. 2nd, 2011			
ITEM	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**
Hughes 500D Helicopter + Fuel /Hr	$ 1,182.00	32	$ 37,824.00
ROCK ASSAY	$ 28.88	36	$ 1,039.68
SOIL ASSAY	$ 18.00	1305	$ 23,490.00
SILT ASSAY	$ 18.00	12	$ 216.00
Project Geologist / Day	$ 500.00	12	$ 6,000.00
6 x Soil Samplers = 300 x 6 /day	$ 1,800.00	10	$ 18,000.00
Cook	$ 400.00	10	$ 4,000.00
2 x Prospector 2 x 350 / day	$ 700.00	10	$ 7,000.00
Hotel and Accommodation /$ 129.00 / night (Pilot and Geologist-Dawson)	$ 129.00	20	$ 2,580.00
Hotel and Accommodation /$ 129.00 mob and de-mob nights 8 x 3 nights	$ 129.00	24	$ 3,096.00
Camp Rental / day	$ 1,000.00	10	$ 10,000.00
Food	$ 6,300.00	1	$ 6,300.00
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	$ 3,800.00	1	$ 3,800.00
Maps and drafting	$ 100.00	10	$ 1,000.00
Report preparation	$ 1,500.00	1	$ 1,500.00
Satellite internet and satellite telephone rental	$ 1,850.00	1	$ 1,850.00
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
		TOTAL	**$ 134,645.68**

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.

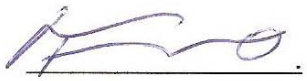
3. I am a member of the Ontario Prospectors Association (2010).

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	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223030	439551	7091433	882	30-Aug-11	Jason	40-50	c	lt grey	20	10				70	weathered bedrock	moist	evergreen	mid slope
1223031	439604	7091424	872	30-Aug-11	Jason	40-50	c	lt grey	5	20				75	weathered bedrock	moist	evergreen	mid slope
1223032	439648	7091419	857	30-Aug-11	Jason	30-40	c	lt grey		25				75	weathered bedrock	moist	evergreen	mid slope
1223033	439700	7091409	848	30-Aug-11	Jason	40-50	c	lt grey		25				75	weathered bedrock	moist	evergreen	mid slope
1223034	439753	7091404	835	30-Aug-11	Jason	40-50	c	dk grey		15				85	weathered bedrock	moist	evergreen	mid slope
1223035	439800	7091399	823	30-Aug-11	Jason	30-40	c	dk grey	10	15				75	weathered bedrock	moist	evergreen	mid slope
1223036	439849	7091398	807	30-Aug-11	Jason	40-50	c	lt grey	10	15				75	weathered bedrock	moist	evergreen	mid slope
1223037	439897	7091386	792	30-Aug-11	Jason	50-60	c	dk grey		25				75	weathered bedrock	moist	evergreen	mid slope
1223038	439944	7091377	782	30-Aug-11	Jason	40-50	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1223039	440002	7091375	769	30-Aug-11	Jason	40-50	c	lt grey	10	10				80	weathered bedrock	wet	evergreen	mid slope
1223040	440050	7091368	760	30-Aug-11	Jason	40-50	c	dk grey	5	10				85	weathered bedrock	moist	evergreen	valley bottom
1223041	440101	7091363	750	30-Aug-11	Jason	40-50	c	lt grey		15				85	weathered bedrock	moist	buck brush	valley bottom
1223042	443685	7088282	783	1-Sep-11	Jason	40-50	c	lt brown						100	weathered bedrock	moist	deciduous	mid slope
1223043	443699	7088237	774	1-Sep-11	Jason	30-40	c	lt brown				40		60	weathered bedrock	moist	deciduous	mid slope
1223044	443706	7088193	766	1-Sep-11	Jason	40-50	c	lt brown				40		60	weathered bedrock	moist	deciduous	mid slope
1223045	443718	7088144	752	1-Sep-11	Jason	40-50	c	lt brown				30		70	weathered bedrock	moist	deciduous	mid slope
1223046	443732	7088093	737	1-Sep-11	Jason	30-40	c	lt brown				40		60	weathered bedrock	moist	deciduous	mid slope
1223047	443731	7088047	727	1-Sep-11	Jason	40-50	c	lt brown				60		40	weathered bedrock	moist	deciduous	mid slope
1223048	443738	7087996	716	1-Sep-11	Jason	30-40	c	lt brown				40		60	weathered bedrock	moist	deciduous	mid slope
1223049	443736	7087936	705	1-Sep-11	Jason	40-50	c	lt brown		10		30		60	weathered bedrock	moist	deciduous	mid slope
1223050	443739	7087897	700	1-Sep-11	Jason	30-40	c	lt brown		10		20		70	weathered bedrock	moist	deciduous	mid slope
1223501	443745	7087838	691	1-Sep-11	Jason	30-40	c	dk brown	30					70	weathered bedrock	moist	deciduous	mid slope
1223502	443751	7087790	679	1-Sep-11	Jason	40-50	c	dk brown	20			10		70	weathered bedrock	moist	deciduous	mid slope
1223503	443753	7087741	674	1-Sep-11	Jason	30-40	c	lt brown				40		60	weathered bedrock	moist	deciduous	mid slope
1223504	443762	7087693	667	1-Sep-11	Jason	30-40	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1223505	443758	7087640	662	1-Sep-11	Jason	40-50	c	dk brown	10					90	weathered bedrock	moist	evergreen	mid slope
1223506	443762	7087594	657	1-Sep-11	Jason	60-70	c	dk brown	60					40	weathered bedrock	moist	evergreen	mid slope
1223507	443765	7087542	654	1-Sep-11	Jason	40-50	c	dk brown	50					50	weathered bedrock	moist	evergreen	mid slope
1223508	443764	7087493	650	1-Sep-11	Jason	60-70	c	dk brown	50					50	weathered bedrock	moist	evergreen	valley bottom
1223509	443767	7087441	648	1-Sep-11	Jason	50-60	c	dk brown	40					60	weathered bedrock	moist	evergreen	valley bottom
1223510	443775	7087392	644	1-Sep-11	Jason	40-50	c	dk brown	40					60	weathered bedrock	moist	evergreen	valley bottom
1223511	443782	7087343	643	1-Sep-11	Jason	50-60	c	dk brown	60					40	weathered bedrock	moist	evergreen	valley bottom
1223512	443784	7087297	639	1-Sep-11	Jason	50-60	c	dk brown	30					70	weathered bedrock	moist	evergreen	valley bottom
1223513	443785	7087242	635	1-Sep-11	Jason	50-60	c	dk brown	50					50	weathered bedrock	moist	evergreen	valley bottom
1223514	443801	7087189	631	1-Sep-11	Jason	40-50	c	dk brown	50					50	weathered bedrock	moist	evergreen	valley bottom
1223515	443799	7087144	629	1-Sep-11	Jason	40-50	c	dk brown	40					60	weathered bedrock	moist	evergreen	valley bottom
1223516	443810	7087085	628	1-Sep-11	Jason	30-40	c	lt brown	20					80	weathered bedrock	moist	evergreen	valley bottom
1223517	443819	7087046	621	1-Sep-11	Jason	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	valley bottom
1223518	443819	7086997	613	1-Sep-11	Jason	40-50	c	lt brown	30					70	weathered bedrock	moist	evergreen	valley bottom
1223519	443823	7086949	610	1-Sep-11	Jason	40-50	c	dk brown	50					50	weathered bedrock	moist	evergreen	valley bottom
1223520	443830	7086899	608	1-Sep-11	Jason	40-50	c	dk brown	70					30	weathered bedrock	moist	evergreen	valley bottom
1223521	443857	7086859	605	1-Sep-11	Jason	30-40	c	dk brown	80					20	weathered bedrock	moist	evergreen	valley bottom
1223644	439104	7091485	943	30-Aug-11	Jason	40-50	c	lt grey	5	20				75	weathered bedrock	moist	evergreen	mid slope
1223645	439206	7091474	927	30-Aug-11	Jason	40-50	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1223646	439303	7091464	913	30-Aug-11	Jason	30-40	c	dk grey	5	20				75	weathered bedrock	moist	evergreen	mid slope
1223647	439352	7091457	906	30-Aug-11	Jason	30-40	c	dk grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1223648	439405	7091453	899	30-Aug-11	Jason	30-40	c	dk grey	10	15				75	weathered bedrock	moist	evergreen	mid slope
1223649	439461	7091448	893	30-Aug-11	Jason	40-50	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1223650	439501	7091438	887	30-Aug-11	Jason	40-50	c	lt brown	10	15				75	weathered bedrock	moist	evergreen	mid slope
1224585	437285	7086567	1139	26-Aug-11	Jason and Kevin	30-40	c	lt brown	5					95	weathered bedrock	moist	buck brush	ridge top
1224586	437262	7086519	1136	26-Aug-11	Jason and Kevin	50-60	c	lt grey		10				90	weathered bedrock	moist	buck brush	ridge top
1224587	437237	7086481	1132	26-Aug-11	Jason and Kevin	40-50	c	greenish grey						100	weathered bedrock	moist	buck brush	ridge top
1224588	437209	7086431	1129	26-Aug-11	Jason and Kevin	30-40	c	greenish grey	5	5				90	weathered bedrock	moist	buck brush	mid slope
1224589	437185	7086391	1122	26-Aug-11	Jason and Kevin	30-40	c	lt brown						100	weathered bedrock	moist	buck brush	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1224590	437167	7086347	1117	26-Aug-11	Jason and Kevin	40-50	c	olive grey		10				90	weathered bedrock	moist	buck brush	mid slope
1224591	437135	7086307	1107	26-Aug-11	Jason and Kevin	40-50	c	olive grey		10				90	weathered bedrock	moist	buck brush	mid slope
1224592	437110	7086253	1095	26-Aug-11	Jason and Kevin	40-50	c	olive grey		10				90	weathered bedrock	moist	buck brush	mid slope
1224593	437084	7086215	1087	26-Aug-11	Jason and Kevin	40-50	c	olive grey		15				85	weathered bedrock	moist	buck brush	mid slope
1224594	437049	7086173	1077	26-Aug-11	Jason and Kevin	50-60	c	lt grey		10				90	weathered bedrock	moist	buck brush	mid slope
1224595	437035	7086134	1070	26-Aug-11	Jason and Kevin	40-50	c	olive grey		10				90	weathered bedrock	moist	buck brush	mid slope
1224596	436998	7086089	1061	26-Aug-11	Jason and Kevin	30-40	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	mid slope
1224597	436978	7086052	1051	26-Aug-11	Jason and Kevin	20-30	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1224598	436946	7086007	1041	26-Aug-11	Jason and Kevin	40-50	c	olive grey		15				85	weathered bedrock	moist	buck brush	mid slope
1224599	436929	7085963	1032	26-Aug-11	Jason and Kevin	40-50	c	olive grey						100	weathered bedrock	moist	deciduous	mid slope
1224600	436897	7085920	1020	26-Aug-11	Jason and Kevin	40-50	c	lt brown	5					95	weathered bedrock	moist	deciduous	mid slope
1224601	436902	7085870	1009	26-Aug-11	Jason and Kevin	40-50	c	olive grey						100	weathered bedrock	moist	buck brush	mid slope
1224602	436902	7085822	996	26-Aug-11	Jason and Kevin	20-30	c	lt brown	10					90	weathered bedrock	moist	deciduous	mid slope
1224603	436893	7085769	980	26-Aug-11	Jason and Kevin	30-40	c	olive grey		15				85	weathered bedrock	moist	deciduous	mid slope
1224604	436899	7085723	969	26-Aug-11	Jason and Kevin	60-70	c	lt brown						100	weathered bedrock	moist	deciduous	mid slope
1224605	436895	7085671	955	26-Aug-11	Jason and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	deciduous	mid slope
1224606	436897	7085624	944	26-Aug-11	Jason and Kevin	40-50	c	olive grey						100	weathered bedrock	moist	deciduous	mid slope
1224607	436888	7085574	935	26-Aug-11	Jason and Kevin	40-50	c	olive grey		5				95	weathered bedrock	moist	deciduous	mid slope
1224608	436886	7085521	925	26-Aug-11	Jason and Kevin	40-50	c	olive grey	5	10				85	weathered bedrock	moist	deciduous	mid slope
1224609	436888	7085470	911	26-Aug-11	Jason and Kevin	40-50	c	olive grey		5				95	weathered bedrock	moist	deciduous	mid slope
1224610	436884	7085416	898	26-Aug-11	Jason and Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1224611	436886	7085365	896	26-Aug-11	Jason and Kevin	40-50	c	olive grey		5				95	weathered bedrock	moist	evergreen	mid slope
1224612	436878	7085320	885	26-Aug-11	Jason and Kevin	50-60	c	olive grey						100	weathered bedrock	moist	evergreen	mid slope
1224613	436881	7085267	873	26-Aug-11	Jason and Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1224614	436885	7085219	865	26-Aug-11	Jason and Kevin	50-60	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224615	436876	7085172	856	26-Aug-11	Jason and Kevin	50-60	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224616	436872	7085115	844	26-Aug-11	Jason and Kevin	40-50	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1224617	436875	7085071	833	26-Aug-11	Jason and Kevin	40-50	c	olive grey				50		50	weathered bedrock	dry	evergreen	mid slope
1224618	436872	7085019	817	26-Aug-11	Jason and Kevin	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224619	436873	7084969	811	26-Aug-11	Jason and Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1224620	436877	7084915	798	26-Aug-11	Jason and Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1224621	436870	7084873	790	26-Aug-11	Jason and Kevin	40-50	c	lt grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1224622	436875	7084818	784	26-Aug-11	Jason and Kevin	40-50	c	dk grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224623	436870	7084767	773	26-Aug-11	Jason and Kevin	40-50	c	lt grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1224624	436867	7084718	772	26-Aug-11	Jason and Kevin	40-50	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1224625	436867	7084669	757	26-Aug-11	Jason and Kevin	40-50	c	dk grey		15				85	weathered bedrock	moist	evergreen	mid slope
1224626	436872	7084619	751	26-Aug-11	Jason and Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1224627	436865	7084567	742	26-Aug-11	Jason and Kevin	40-50	c	dk brown				60		40	weathered bedrock	moist	evergreen	mid slope
1224628	436861	7084519	730	26-Aug-11	Jason and Kevin	40-50	c	dk brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224629	436863	7084465	723	26-Aug-11	Jason and Kevin	40-50	c	dk grey	5			20		75	weathered bedrock	moist	evergreen	mid slope
1224630	436855	7084419	718	26-Aug-11	Jason and Kevin	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224631	436856	7084368	708	26-Aug-11	Jason and Kevin	30-40	c	dk brown	10	5				85	weathered bedrock	moist	evergreen	mid slope
1224632	436854	7084316	693	26-Aug-11	Jason and Kevin	30-40	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224633	436858	7084266	689	26-Aug-11	Jason and Kevin	40-50	c	olive grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224634	436851	7084220	684	26-Aug-11	Jason and Kevin	40-50	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224635	436849	7084167	670	26-Aug-11	Jason and Kevin	40-50	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224636	436855	7084120	662	26-Aug-11	Jason and Kevin	40-50	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	valley bottom
1224637	436836	7084067		26-Aug-11	Jason and Kevin	30-40	c	lt grey	5	20				75	weathered bedrock	moist	evergreen	valley bottom
1224638	437520	7086969	1143	27-Aug-11	Lukas and Kevin	40-50	c	lt grey						100	weathered bedrock	moist	buck brush	ridge top
1224639	437547	7087008	1137	27-Aug-11	Lukas and Kevin	50-601	c	lt grey	5	10				75	weathered bedrock	moist	buck brush	mid slope
1224640	437582	7087045	1127	27-Aug-11	Lukas and Kevin	40-50	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1224641	437619	7087088	1121	27-Aug-11	Lukas and Kevin	40-50	c	olive grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224642	437642	7087121	1116	27-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224643	437676	7087163	1111	27-Aug-11	Lukas and Kevin	30-40	c	lt grey	5	20				75	weathered bedrock	moist	evergreen	mid slope
1224644	437708	7087205	1104	27-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	5		10		80	weathered bedrock	moist	evergreen	mid slope
1224645	437744	7087247	1100	27-Aug-11	Lukas and Kevin	60-70	c	lt grey	5					95	weathered bedrock	moist	evergreen	mid slope
1224646	437775	7087279	1099	27-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224647	437810	7087317	1100	27-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	10				75	weathered bedrock	moist	buck brush	mid slope
1224648	437839	7087354	1099	27-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	5		5		85	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1224649	437870	7087395	1098	27-Aug-11	Lukas and Kevin	30-40	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224650	437863	7087441	1095	27-Aug-11	Lukas and Kevin	40-50	c	lt grey						100	weathered bedrock	moist	evergreen	mid slope
1224742	437302	7086767	1143	26-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	buck brush	mid slope
1224743	437253	7086776	1145	26-Aug-11	James	30-40	c	lt brown		10		30		60	weathered bedrock	moist	buck brush	mid slope
1224744	437205	7086786	1138	26-Aug-11	James	30-40	c	lt grey		40	10			50	weathered bedrock	moist	buck brush	mid slope
1224745	437156	7086795	1130	26-Aug-11	James	30-40	c	lt brown		10		30		60	weathered bedrock	moist	buck brush	mid slope
1224746	437109	7086805	1121	26-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1224747	437060	7086813	1108	26-Aug-11	James	40-50	c	lt grey		50				50	weathered bedrock	moist	buck brush	mid slope
1224748	437010	7086824	1097	26-Aug-11	James	40-50	c	lt grey		20		20		60	weathered bedrock	moist	buck brush	mid slope
1224749	436959	7086836	1082	26-Aug-11	James	40-50	c	lt brown		25		25		50	weathered bedrock	moist	buck brush	mid slope
1224750	436911	7086846	1069	26-Aug-11	James	40-50	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1224751	436861	7086848	1054	26-Aug-11	James	30-40	c	lt grey		25		25		50	weathered bedrock	moist	buck brush	mid slope
1224752	436813	7086859	1035	26-Aug-11	James	20-30	c	lt grey		40		10		50	weathered bedrock	moist	buck brush	mid slope
1224753	436763	7086869	1022	26-Aug-11	James	20-30	c	lt grey		50				50	weathered bedrock	moist	buck brush	mid slope
1224754	436714	7086878	1009	26-Aug-11	James	20-30	c	lt brown		20		20		60	weathered bedrock	moist	evergreen	mid slope
1224755	436664	7086888	990	26-Aug-11	James	30-40	c	lt grey		30		20		50	weathered bedrock	moist	evergreen	mid slope
1224756	436616	7086898	973	26-Aug-11	James	30-40	c	lt grey		30				70	weathered bedrock	moist	evergreen	mid slope
1224757	436567	7086906	957	26-Aug-11	James	30-40	c	lt grey	10	15		25		50	weathered bedrock	moist	evergreen	mid slope
1224758	436518	7086914	941	26-Aug-11	James	30-40	c	lt grey		10		40		50	weathered bedrock	moist	evergreen	mid slope
1224759	436469	7086926	928	26-Aug-11	James	30-40	c	lt grey		30		20		50	weathered bedrock	moist	evergreen	mid slope
1224760	436422	7086933	915	26-Aug-11	James	30-40	c	lt grey	10	30		30		30	weathered bedrock	moist	evergreen	mid slope
1224761	436369	7086938	903	26-Aug-11	James	30-40	c	lt grey	20	20		30		30	weathered bedrock	moist	evergreen	mid slope
1224762	436322	7086952	892	26-Aug-11	James	30-40	c	lt grey		50				50	weathered bedrock	moist	evergreen	mid slope
1224763	436275	7086957	879	26-Aug-11	James	30-40	c	lt grey		40		10		50	weathered bedrock	moist	deciduous	mid slope
1224764	436220	7086967	867	26-Aug-11	James	40-50	c	lt grey	10	40		10		40	weathered bedrock	moist	evergreen	mid slope
1224765	436177	7086978	856	26-Aug-11	James	50-60	c	dk grey	10					90	weathered bedrock	moist	evergreen	mid slope
1224766	436124	7086989	845	26-Aug-11	James	30-40	c	lt grey		10		40		50	weathered bedrock	wet	buck brush	mid slope
1224767	436075	7086998	823	26-Aug-11	James	30-40	c	lt grey				50		50	weathered bedrock	wet	buck brush	mid slope
1224768	436025	7087007	807	26-Aug-11	James	30-40	c	lt grey	10	20	10	30		30	weathered bedrock	wet	buck brush	mid slope
1224769	435975	7087017	795	26-Aug-11	James	30-40	c	lt grey	15	30				55	weathered bedrock	wet	buck brush	mid slope
1224770	441190	7090360	909	30-Aug-11	James	20-30	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224771	441141	7090352	904	30-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224772	441093	7090340	902	30-Aug-11	James	20-30	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224773	435086	7089924	1100	27-Aug-11	Jason and James	40-50	c	olive grey				20		80	weathered bedrock	moist	buck brush	ridge top
1224774	435101	7089864	1098	27-Aug-11	Jason and James	40-50	c	lt brown		10		30		60	weathered bedrock	moist	buck brush	ridge top
1224775	435105	7089814	1098	27-Aug-11	Jason and James	40-50	c	olive grey		5		35		60	weathered bedrock	moist	buck brush	ridge top
1224776	435124	7089772	1096	27-Aug-11	Jason and James	40-50	c	greenish grey		15		15		70	weathered bedrock	moist	buck brush	ridge top
1224777	435140	7089717	1096	27-Aug-11	Jason and James	40-50	c	olive grey		10		45		45	weathered bedrock	moist	buck brush	ridge top
1224778	435147	7089666	1096	27-Aug-11	Jason and James	40-50	c	olive grey		10		30		60	weathered bedrock	moist	buck brush	ridge top
1224779	435162	7089627	1096	27-Aug-11	Jason and James	30-40	c	lt brown				50		50	weathered bedrock	wet	buck brush	ridge top
1224780	435177	7089575	1098	27-Aug-11	Jason and James	30-40	c	greenish grey		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224781	435188	7089525	1098	27-Aug-11	Jason and James	40-50	c	greenish grey	5	5		40		50	weathered bedrock	moist	buck brush	ridge top
1224782	435201	7089475	1095	27-Aug-11	Jason and James	40-50	c	olive grey		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224783	435215	7089430	1095	27-Aug-11	Jason and James	40-50	c	olive grey				50		50	weathered bedrock	moist	buck brush	ridge top
1224784	435232	7089382	1092	27-Aug-11	Jason and James	40-50	c	olive grey				60		40	weathered bedrock	moist	buck brush	ridge top
1224785	435242	7089332	1089	27-Aug-11	Jason and James	40-50	c	olive grey				50		50	weathered bedrock	moist	buck brush	ridge top
1224786	435263	7089286	1085	27-Aug-11	Jason and James	40-50	c	greenish grey		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224787	435268	7089234	1081	27-Aug-11	Jason and James	30-40	c	olive grey		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224788	435274	7089179	1078	27-Aug-11	Jason and James	40-50	c	olive grey		10		60		30	weathered bedrock	moist	buck brush	ridge top
1224789	435273	7089137	1074	27-Aug-11	Jason and James	40-50	c	olive grey				40		60	weathered bedrock	moist	buck brush	ridge top
1224790	435276	7089082	1071	27-Aug-11	Jason and James	40-50	c	olive grey		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224791	435272	7089040	1067	27-Aug-11	Jason and James	40-50	c	greenish grey		10		30		60	weathered bedrock	moist	buck brush	ridge top
1224792	435264	7088987	1061	27-Aug-11	Jason and James	40-50	c	dk grey	10	10				80	weathered bedrock	saturated	buck brush	ridge top
1224793	435267	7088936	1057	27-Aug-11	Jason and James	50-60	c	lt brown	5	5				90	weathered bedrock	wet	buck brush	ridge top
1224794	435267	7088887	1056	27-Aug-11	Jason and James	50-60	c	dk grey	5	5				90	weathered bedrock	moist	buck brush	ridge top
1224795	435271	7088842	1057	27-Aug-11	Jason and James	40-50	c	lt brown		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224796	435273	7088789	1059	27-Aug-11	Jason and James	40-50	c	lt brown				50		50	weathered bedrock	moist	buck brush	ridge top
1224797	435271	7088738	1059	27-Aug-11	Jason and James	40-50	c	lt brown				40		60	weathered bedrock	moist	buck brush	ridge top
1224798	435282	7088687	1057	27-Aug-11	Jason and James	40-50	c	lt brown		5		60		35	weathered bedrock	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1224799	435293	7088639	1055	27-Aug-11	Jason and James	30-40	c	lt brown				60		40	weathered bedrock	moist	buck brush	ridge top
1224800	435310	7088598	1051	27-Aug-11	Jason and James	40-50	c	lt brown		15		25		60	weathered bedrock	moist	buck brush	ridge top
1224801	435336	7088548	1045	27-Aug-11	Jason and James	30-40	c	lt brown		10		45		45	weathered bedrock	moist	evergreen	ridge top
1224802	435349	7088499	1040	27-Aug-11	Jason and James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	ridge top
1224803	435375	7088458	1033	27-Aug-11	Jason and James	30-40	c	lt brown				40		60	weathered bedrock	moist	buck brush	mid slope
1224804	435386	7088414	1025	27-Aug-11	Jason and James	30-40	c	lt brown				65		35	weathered bedrock	moist	evergreen	mid slope
1224805	435402	7088365	1017	27-Aug-11	Jason and James	30-40	c	lt brown				60		40	weathered bedrock	moist	evergreen	mid slope
1224806	435427	7088318	1005	27-Aug-11	Jason and James	40-50	c	lt brown				60		40	weathered bedrock	moist	buck brush	mid slope
1224807	435436	7088271	997	27-Aug-11	Jason and James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1224808	435458	7088226	987	27-Aug-11	Jason and James	30-40	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1224809	435478	7088180	976	27-Aug-11	Jason and James	30-40	c	lt brown				60		40	weathered bedrock	moist	evergreen	mid slope
1224810	435488	7088133	966	27-Aug-11	Jason and James	20-30	c	lt brown		10		45		45	weathered bedrock	moist	evergreen	mid slope
1224811	435513	7088087	953	27-Aug-11	Jason and James	20-30	c	lt grey				70		30	weathered bedrock	moist	evergreen	mid slope
1224812	435524	7088041	941	27-Aug-11	Jason and James	50-60	c	dk grey				50		50	weathered bedrock	moist	evergreen	mid slope
1224813	435548	7087994	926	27-Aug-11	Jason and James	>80	a	dk brown	80			10		10	loess	moist	deciduous	mid slope
1224814	435574	7087948	912	27-Aug-11	Jason and James	30-40	c	dk grey				60		40	weathered bedrock	moist	deciduous	mid slope
1224815	435586	7087898	896	27-Aug-11	Jason and James	30-40	c	lt grey				60		40	weathered bedrock	moist	deciduous	mid slope
1224816	435604	7087864	885	27-Aug-11	Jason and James	30-40	c	lt grey		10		50		40	weathered bedrock	moist	deciduous	mid slope
1224817	435627	7087804	865	27-Aug-11	Jason and James	30-40	c	lt brown				70		30	weathered bedrock	moist	deciduous	mid slope
1224818	435643	7087761	846	27-Aug-11	Jason and James	30-40	c	lt grey		20		40		40	weathered bedrock	moist	deciduous	mid slope
1224819	435659	7087714	827	27-Aug-11	Jason and James	30-40	c	lt grey		30				70	weathered bedrock	moist	evergreen	mid slope
1224820	435675	7087670	816	27-Aug-11	Jason and James	30-40	c	lt grey		33		33		33	weathered bedrock	moist	evergreen	mid slope
1224821	435693	7087617	809	27-Aug-11	Jason and James	30-40	c	lt grey				40		60	weathered bedrock	moist	evergreen	mid slope
1224822	435709	7087572	803	27-Aug-11	Jason and James	40-50	c	dk grey	15			40		45	weathered bedrock	moist	evergreen	mid slope
1224823	435728	7087552	796	27-Aug-11	Jason and James	30-40	c	dk brown	90					10	weathered bedrock	moist	evergreen	mid slope
1224824	440443	7087823	1037	28-Aug-11	James	10-20	c	lt brown				40		60	weathered bedrock	moist	buck brush	ridge top
1224825	440465	7087864	1041	28-Aug-11	James	20-30	c	lt brown				40		60	weathered bedrock	moist	buck brush	ridge top
1224826	440493	7087907	1035	28-Aug-11	James	20-30	c	lt brown				40		60	weathered bedrock	moist	buck brush	ridge top
1224827	440517	7087951	1032	28-Aug-11	James	30-40	c	lt brown				30		70	weathered bedrock	moist	buck brush	ridge top
1224828	440545	7087994	1033	28-Aug-11	James	30-40	c	lt brown		20		10		70	weathered bedrock	moist	buck brush	ridge top
1224829	440567	7088039	1037	28-Aug-11	James	30-40	c	lt brown		25		25		50	weathered bedrock	moist	buck brush	ridge top
1224830	440593	7088077	1039	28-Aug-11	James	20-30	c	lt brown				50		50	weathered bedrock	moist	buck brush	ridge top
1224831	440619	7088123	1039	28-Aug-11	James	20-30	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	ridge top
1224832	440646	7088164	1034	28-Aug-11	James	20-30	c	lt grey		25		50		25	weathered bedrock	moist	evergreen	ridge top
1224833	440652	7088212	1033	28-Aug-11	James	50-60	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224834	440647	7088261	1028	28-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1224835	440645	7088311	1023	28-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224836	440641	7088364	1020	28-Aug-11	James	30-40	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1224837	440639	7088414	1019	28-Aug-11	James	30-40	c	lt brown		15	10	25		50	weathered bedrock	moist	evergreen	mid slope
1224838	440636	7088458	1010	28-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224839	440628	7088512	1003	28-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224840	440630	7088561	999	28-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224841	440625	7088611	995	28-Aug-11	James	30-40	c	lt brown		25		25		50	weathered bedrock	moist	evergreen	mid slope
1224842	440610	7088657	988	28-Aug-11	James	no sample												
1224843	440578	7088693	984	28-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224844	440544	7088731	977	28-Aug-11	James	30-40	c	lt brown		10		30		60	weathered bedrock	moist	evergreen	mid slope
1224845	440512	7088769	969	28-Aug-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	evergreen	mid slope
1224846	440480	7088806	962	28-Aug-11	James	30-40	c	lt grey				50		50	weathered bedrock	moist	evergreen	mid slope
1224847	440448	7088845	953	28-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1224848	440411	7088881	945	28-Aug-11	James	60-70	c	lt brown				50		50	weathered bedrock	saturated	evergreen	mid slope
1224849	440381	7088923	939	28-Aug-11	James	40-50	c	dk brown				50		50	weathered bedrock	saturated	evergreen	mid slope
1224850	440353	7088966	934	28-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224851	440284	7089035	919	28-Aug-11	James	30-40	c	lt grey				50		50	weathered bedrock	wet	buck brush	mid slope
1224852	440220	7089111	902	28-Aug-11	James	40-50	c	lt grey		20		40		40	weathered bedrock	moist	evergreen	mid slope
1224853	440158	7089188	880	28-Aug-11	James	40-50	c	black	10	10		40		40	weathered bedrock	moist	evergreen	mid slope
1224854	440128	7089230	868	28-Aug-11	James	50-60	c	lt grey	10	10		40		40	weathered bedrock	wet	buck brush	mid slope
1224855	440057	7089304	846	28-Aug-11	James	60-70	c	black	80			10		10	weathered bedrock	saturated	buck brush	mid slope
1224856	439299	7087385	1077	29-Aug-11	James	30-40	c	lt brown		10		40		50	weathered bedrock	moist	buck brush	ridge top
1224857	439274	7087425	1075	29-Aug-11	James	30-40	c	lt brown		10	10	40		40	weathered bedrock	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1224858	439252	7087470	1071	29-Aug-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	ridge top
1224859	439230	7087514	1065	29-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	ridge top
1224860	439206	7087557	1061	29-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	wet	evergreen	ridge top
1224861	439181	7087604	1055	29-Aug-11	James	40-50	c	lt brown				60		40	weathered bedrock	wet	evergreen	ridge top
1224862	439157	7087644	1049	29-Aug-11	James	40-50	c	lt brown	10	10		50		30	weathered bedrock	saturated	evergreen	ridge top
1224863	439110	7087734	1032	29-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	saturated	evergreen	mid slope
1224864	439060	7087821	1019	29-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224865	439031	7087866	1016	29-Aug-11	James	30-40	c	lt grey		10	10	50		30	weathered bedrock	moist	evergreen	mid slope
1224866	439008	7087907	1011	29-Aug-11	James	30-40	c	lt grey		20		40		40	weathered bedrock	moist	evergreen	mid slope
1224867	438990	7087955	1008	29-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224868	438969	7087995	1004	29-Aug-11	James	40-50	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224869	438979	7088047	1003	29-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224870	438993	7088090	1000	29-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224871	439003	7088140	996	29-Aug-11	James	40-50	c	lt brown		10		40		50	weathered bedrock	moist	evergreen	mid slope
1224872	439015	7088189	992	29-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1224873	439027	7088239	989	29-Aug-11	James	40-50	c	lt grey				50		50	weathered bedrock	moist	evergreen	mid slope
1224874	439039	7088287	985	29-Aug-11	James	50-60	c	lt grey				60		40	weathered bedrock	moist	evergreen	mid slope
1224875	439047	7088332	979	29-Aug-11	James	40-50	c	lt grey				60		40	weathered bedrock	moist	evergreen	mid slope
1224876	439069	7088383	972	29-Aug-11	James	30-40	c	lt grey				65		35	weathered bedrock	saturated	evergreen	mid slope
1224877	439104	7088417	968	29-Aug-11	James	40-50	c	lt brown				60		40	weathered bedrock	saturated	evergreen	mid slope
1224878	439134	7088458	966	29-Aug-11	James	30-40	c	lt brown				60		40	weathered bedrock	wet	evergreen	mid slope
1224879	439170	7088492	959	29-Aug-11	James	40-50	c	lt grey				50		50	weathered bedrock	saturated	evergreen	mid slope
1224880	439209	7088526	954	29-Aug-11	James	30-40	c	dk brown				50		50	weathered bedrock	wet	evergreen	mid slope
1224881	439239	7088563	947	29-Aug-11	James	50-60	c	lt brown				50		50	weathered bedrock	wet	evergreen	mid slope
1224882	439278	7088603	938	29-Aug-11	James	40-50	c	lt brown				40		60	weathered bedrock	wet	evergreen	mid slope
1224883	439308	7088637	929	29-Aug-11	James	30-40	c	dk brown				50		50	weathered bedrock	wet	evergreen	mid slope
1224884	439345	7088674	920	29-Aug-11	James	40-50	c	dk brown				50		50	weathered bedrock	saturated	evergreen	mid slope
1224885	439376	7088709	910	29-Aug-11	James	30-40	c	lt grey				60		40	weathered bedrock	wet	buck brush	mid slope
1224886	439400	7088754	901	29-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	saturated	buck brush	mid slope
1224887	439417	7088801	892	29-Aug-11	James	50-60	c	lt brown				60		40	weathered bedrock	saturated	buck brush	mid slope
1224888	439434	7088847	883	29-Aug-11	James	60-70	c	lt brown				70		30	weathered bedrock	saturated	buck brush	mid slope
1224889	439452	7088893	871	29-Aug-11	James	40-50	c	lt brown				70		30	weathered bedrock	saturated	buck brush	mid slope
1224890	439469	7088941	860	29-Aug-11	James	40-50	c	lt brown				60		40	weathered bedrock	saturated	buck brush	mid slope
1224891	439487	7088986	850	29-Aug-11	James	50-60	c	lt brown	10			60		30	weathered bedrock	saturated	buck brush	mid slope
1224892	439506	7089032	842	29-Aug-11	James	50-60	c	lt brown	10			50		40	weathered bedrock	saturated	evergreen	mid slope
1224893	439522	7089080	832	29-Aug-11	James	40-50	c	lt brown	15			60		25	weathered bedrock	wet	evergreen	mid slope
1224894	439538	7089128	818	29-Aug-11	James	50-60	c	dk brown	20			50		30	weathered bedrock	saturated	evergreen	mid slope
1224895	439555	7089177	810	29-Aug-11	James	30-40	c	lt brown				60		40	weathered bedrock	saturated	evergreen	mid slope
1224896	441043	7090330	899	30-Aug-11	James	40-50	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224897	440994	7090318	893	30-Aug-11	James	40-50	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224898	440942	7090307		30-Aug-11	James	50-60	c	lt brown	20			40		40	weathered bedrock	saturated	evergreen	mid slope
1224899	440896	7090292	880	30-Aug-11	James	50-60	c	black	30					70	loess	saturated	evergreen	mid slope
1224900	440850	7090287	878	30-Aug-11	James	50-60	c	lt brown	20	10		35		35	weathered bedrock	saturated	evergreen	mid slope
1224901	437846	7087491	1091	27-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224902	437839	7087537	1088	27-Aug-11	Lukas and Kevin	60-70	c	dk grey	10	5				85	weathered bedrock	wet	evergreen	mid slope
1224903	437826	7087587	1082	27-Aug-11	Lukas and Kevin	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1224904	437814	7087637	1073	27-Aug-11	Lukas and Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1224905	437799	7087683	1066	27-Aug-11	Lukas and Kevin	50-60	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224906	437793	7087733	1057	27-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224907	437781	7087783	1045	27-Aug-11	Lukas and Kevin	50-60	c	dk brown	10					90	weathered bedrock	moist	evergreen	mid slope
1224908	437770	7087831	1040	27-Aug-11	Lukas and Kevin	40-50	c	dk grey	10					90	weathered bedrock	moist	evergreen	mid slope
1224909	437758	7087882	1038	27-Aug-11	Lukas and Kevin	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1224910	437747	7087927	1038	27-Aug-11	Lukas and Kevin	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1224911	437736	7087972	1027	27-Aug-11	Lukas and Kevin	40-50	c	dk grey	10					90	weathered bedrock	moist	evergreen	mid slope
1224912	437720	7088021	1020	27-Aug-11	Lukas and Kevin	50-60	c	dk brown	7					93	weathered bedrock	moist	evergreen	mid slope
1224913	437709	7088073	1013	27-Aug-11	Lukas and Kevin	40-50	c	lt grey	10					90	weathered bedrock	moist	evergreen	mid slope
1224914	437699	7088118	1005	27-Aug-11	Lukas and Kevin	60-70	c	dk grey		5				95	weathered bedrock	moist	evergreen	mid slope
1224915	437693	7088174	1001	27-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224916	437702	7088222	998	27-Aug-11	Lukas and Kevin	50-60	c	lt grey	5					95	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1224917	437716	7088264	998	27-Aug-11	Lukas and Kevin	40-50	c	olive grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224918	437716	7088314	999	27-Aug-11	Lukas and Kevin	40-50	c	lt brown		5		5		90	weathered bedrock	moist	evergreen	mid slope
1224919	437735	7088369	1002	27-Aug-11	Lukas and Kevin	30-40	c	olive grey		5				95	weathered bedrock	moist	evergreen	mid slope
1224920	437749	7088415	999	27-Aug-11	Lukas and Kevin	40-50	c	lt brown				5		95	weathered bedrock	moist	evergreen	mid slope
1224921	437759	7088463	993	27-Aug-11	Lukas and Kevin	40-50	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1224922	437769	7088512	992	27-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224923	437778	7088559	988	27-Aug-11	Lukas and Kevin	40-50	c	lt brown				20		80	weathered bedrock	moist	evergreen	mid slope
1224924	437808	7088600	986	27-Aug-11	Lukas and Kevin	30-40	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1224925	437839	7088638	986	27-Aug-11	Lukas and Kevin	50-60	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1224926	437873	7088672	983	27-Aug-11	Lukas and Kevin	50-60	c	yellowish orange				20		80	weathered bedrock	moist	evergreen	mid slope
1224927	437918	7088707	983	27-Aug-11	Lukas and Kevin	50-60	c	lt grey	5			20		75	weathered bedrock	moist	evergreen	mid slope
1224928	437947	7088735	986	27-Aug-11	Lukas and Kevin	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1224929	437979	7088777	985	27-Aug-11	Lukas and Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1224930	438021	7088807	982	27-Aug-11	Lukas and Kevin	40-50	c	olive grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224931	438054	7088848	979	27-Aug-11	Lukas and Kevin	50-60	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1224932	438088	7088881	978	27-Aug-11	Lukas and Kevin	40-50	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1224933	438128	7088914	977	27-Aug-11	Lukas and Kevin	40-50	c	lt brown		15				85	weathered bedrock	moist	evergreen	mid slope
1224934	438160	7088955	975	27-Aug-11	Lukas and Kevin	40-50	c	olive grey		10				90	weathered bedrock	moist	evergreen	mid slope
1224935	438198	7088983	972	27-Aug-11	Lukas and Kevin	40-50	c	lt grey				20		80	weathered bedrock	moist	evergreen	mid slope
1224936	438239	7089017	972	27-Aug-11	Lukas and Kevin	60-70	c	lt brown		15				85	weathered bedrock	moist	evergreen	mid slope
1224937	438273	7089059	972	27-Aug-11	Lukas and Kevin	70-80	c	lt brown	5			10		85	weathered bedrock	moist	evergreen	mid slope
1224938	438308	7089094	973	27-Aug-11	Lukas and Kevin	40-50	c	lt brown				15		85	weathered bedrock	moist	evergreen	mid slope
1224939	438346	7089125	972	27-Aug-11	Lukas and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1224940	438381	7089164	971	27-Aug-11	Lukas and Kevin	50-60	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1224941	435077	7090050	1098	28-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224942	435128	7090060	1099	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224943	435187	7090060	1093	28-Aug-11	Lukas and Jason	30-40	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224944	435231	7090061	1091	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1224945	435275	7090071	1086	28-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1224946	435327	7090070	1081	28-Aug-11	Lukas and Jason	30-40	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1224947	435374	7090063	1078	28-Aug-11	Lukas and Jason	40-50	c	dk grey	30					70	weathered bedrock	moist	evergreen	mid slope
1224948	435429	7090079	1075	28-Aug-11	Lukas and Jason	40-50	c	lt brown	15					85	weathered bedrock	moist	evergreen	mid slope
1224949	435480	7090085	1076	28-Aug-11	Lukas and Jason	30-40	c	dk brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1224950	435528	7090079	1075	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	mid slope
1225032	435586	7090090	1075	28-Aug-11	Lukas and Jason	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1225033	435627	7090088	1073	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				90	weathered bedrock	moist	evergreen	mid slope
1225034	435681	7090096	1072	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225035	435730	7090092	1071	28-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225036	435780	7090093	1067	28-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225037	435828	7090105	1062	28-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225038	435878	7090096	1055	28-Aug-11	Lukas and Jason	40-50	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225039	435936	7090084	1048	28-Aug-11	Lukas and Jason	40-50	c	greenish grey	5	20				75	weathered bedrock	moist	evergreen	mid slope
1225040	435980	7090081	1044	28-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225041	436028	7090076	1036	28-Aug-11	Lukas and Jason	40-50	c	lt brown		15				85	weathered bedrock	moist	evergreen	mid slope
1225042	436074	7090069	1035	28-Aug-11	Lukas and Jason	40-50	c	lt brown	10					90	weathered bedrock	moist	evergreen	mid slope
1225043	436123	7090063	1033	28-Aug-11	Lukas and Jason	40-50	c	dk brown	30					70	weathered bedrock	moist	evergreen	mid slope
1225044	436184	7090049	1030	28-Aug-11	Lukas and Jason	40-50	c	lt grey		15				85	weathered bedrock	moist	evergreen	mid slope
1225045	436223	7090053	1032	28-Aug-11	Lukas and Jason	50-60	c	dk grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225046	436272	7090041	1028	28-Aug-11	Lukas and Jason	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1225047	436321	7090035	1027	28-Aug-11	Lukas and Jason	40-50	c	olive grey		5				95	weathered bedrock	moist	evergreen	mid slope
1225048	436374	7090033	1022	28-Aug-11	Lukas and Jason	40-50	c	dk grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225049	436418	7090022	1022	28-Aug-11	Lukas and Jason	30-40	c	dk brown	20					80	weathered bedrock	moist	evergreen	mid slope
1225050	436473	7090003	1023	28-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225051	436521	7090008	1022	28-Aug-11	Lukas and Jason	40-50	c	olive grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225052	436572	7090004	1022	28-Aug-11	Lukas and Jason	40-50	c	lt grey	15	15				80	weathered bedrock	moist	evergreen	mid slope
1225053	436620	7089998	1028	28-Aug-11	Lukas and Jason	40-50	c	olive grey		5				95	weathered bedrock	moist	evergreen	mid slope
1225054	436665	7089990	1032	28-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225055	436720	7089979	1028	28-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225056	436774	7089979	1026	28-Aug-11	Lukas and Jason	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225057	436821	7089960	1027	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225058	436868	7089960	1026	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225059	436916	7089957	1023	28-Aug-11	Lukas and Jason	40-50	c	olive grey		10				90	weathered bedrock	moist	evergreen	mid slope
1225060	436968	7089944	1023	28-Aug-11	Lukas and Jason	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225061	437017	7089944	1023	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225062	437066	7089927	1017	28-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225063	437119	7089925	1013	28-Aug-11	Lukas and Jason	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225064	437166	7089923	1009	28-Aug-11	Lukas and Jason	50-60	c	dk grey	10					90	weathered bedrock	moist	evergreen	mid slope
1225065	437215	7089906	1006	28-Aug-11	Lukas and Jason	50-60	c	dk grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225066	437265	7089898	1002	28-Aug-11	Lukas and Jason	50-60	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1225067	437307	7089880	1006	28-Aug-11	Lukas and Jason	30-40	c	greenish grey						100	weathered bedrock	moist	evergreen	mid slope
1225068	437353	7089860	1004	28-Aug-11	Lukas and Jason	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1225069	437407	7089869	998	28-Aug-11	Lukas and Jason	40-50	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225070	437457	7089890	997	28-Aug-11	Lukas and Jason	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225071	437500	7089905	991	28-Aug-11	Lukas and Jason	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1225072	437538	7089924	986	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225073	437590	7089940	982	28-Aug-11	Lukas and Jason	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1225074	437635	7089958	972	28-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225075	437683	7089980	962	28-Aug-11	Lukas and Jason	40-50	c	dk brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225076	437739	7090000	950	28-Aug-11	Lukas and Jason	50-60	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225077	437776	7090012	942	28-Aug-11	Lukas and Jason	50-60	c	dk grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225078	437823	7090032	933	28-Aug-11	Lukas and Jason	40-50	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1225079	437868	7090051	923	28-Aug-11	Lukas and Jason	50-60	c	dk brown	10	5				85	weathered bedrock	moist	evergreen	mid slope
1225080	437914	7090073	912	28-Aug-11	Lukas and Jason	50-60	c	dk grey	20					80	weathered bedrock	moist	evergreen	mid slope
1225081	437963	7090091	901	28-Aug-11	Lukas and Jason	50-60	c	dk grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225082	438007	7090109	894	28-Aug-11	Lukas and Jason	50-60	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225083	438053	7090128	880	28-Aug-11	Lukas and Jason	50-60	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225084	438101	7090142	869	28-Aug-11	Lukas and Jason	70-80	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225085	438144	7090167	856	28-Aug-11	Lukas and Jason	40-50	c	dk grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1225086	438193	7090185	849	28-Aug-11	Lukas and Jason	40-50	c	dk brown	15					85	weathered bedrock	moist	evergreen	mid slope
1225087	438239	7090204	839	28-Aug-11	Lukas and Jason	40-50	c	greenish grey	15			10		75	weathered bedrock	moist	evergreen	mid slope
1225088	438285	7090219	832	28-Aug-11	Lukas and Jason	50-60	c	greenish grey	10			10		80	weathered bedrock	moist	evergreen	mid slope
1225089	438333	7090239	828	28-Aug-11	Lukas and Jason	50-60	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225090	438372	7090217	824	28-Aug-11	Lukas and Jason	40-50	c	dk brown	10					90	weathered bedrock	moist	evergreen	mid slope
1225091	443163	7091588	1148	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	ridge top
1225092	443118	7091567	1152	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225093	443064	7091544	1152	29-Aug-11	Lukas and Jason	30-40	c	olive grey	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225094	443031	7091525	1152	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225095	442983	7091506	1150	29-Aug-11	Lukas and Jason	40-50	c	dk grey		40				60	weathered bedrock	moist	evergreen	ridge top
1225096	442940	7091480	1146	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	ridge top
1225097	442887	7091461	1141	29-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225098	442844	7091439	1137	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225099	442805	7091415	1131	29-Aug-11	Lukas and Jason	50-60	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	ridge top
1225100	442757	7091398	1126	29-Aug-11	Lukas and Jason	30-40	c	lt brown	5	20				75	weathered bedrock	moist	evergreen	ridge top
1225101	442709	7091364	1119	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225102	442671	7091347	1116	29-Aug-11	Lukas and Jason	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1225103	442627	7091323	1112	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	mid slope
1225104	442581	7091300	1102	29-Aug-11	Lukas and Jason	30-40	c	olive grey		15				85	weathered bedrock	moist	buck brush	mid slope
1225105	442543	7091271	1097	29-Aug-11	Lukas and Jason	20-30	c	lt brown	15	5				80	weathered bedrock	moist	evergreen	mid slope
1225106	442492	7091254	1089	29-Aug-11	Lukas and Jason	30-40	c	lt brown						100	weathered bedrock	moist	buck brush	mid slope
1225107	442452	7091226	1086	29-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	mid slope
1225108	442403	7091204	1078	29-Aug-11	Lukas and Jason	30-40	c	dk brown	15	10				75	weathered bedrock	moist	evergreen	mid slope
1225109	442355	7091189	1073	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225110	442317	7091159	1069	29-Aug-11	Lukas and Jason	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225111	442267	7091132	1065	29-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225112	442226	7091115	1060	29-Aug-11	Lukas and Jason	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225113	442170	7091094	1058	29-Aug-11	Lukas and Jason	30-40	c	lt grey	5	15				85	weathered bedrock	moist	evergreen	mid slope
1225114	442138	7091065	1053	29-Aug-11	Lukas and Jason	30-40	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1225115	442091	7091046	1051	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225116	442045	7091026	1048	29-Aug-11	Lukas and Jason	40-50	c	greenish grey		5				95	weathered bedrock	moist	evergreen	mid slope
1225117	441999	7091002	1046	29-Aug-11	Lukas and Jason	30-40	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	mid slope
1225118	441957	7090978	1041	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225119	441916	7090952	1036	29-Aug-11	Lukas and Jason	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1225120	441860	7090932	1029	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225121	441826	7090911	1024	29-Aug-11	Lukas and Jason	50-60	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225122	441777	7090891	1019	29-Aug-11	Lukas and Jason	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225123	441734	7090867	1015	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225124	441692	7090845	1009	29-Aug-11	Lukas and Jason	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1225125	441654	7090809	1002	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5					95	weathered bedrock	moist	evergreen	mid slope
1225126	441619	7090771	996	29-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225127	441588	7090738	989	29-Aug-11	Lukas and Jason	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225128	441551	7090701	982	29-Aug-11	Lukas and Jason	50-60	c	olive grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225129	441515	7090663	976	29-Aug-11	Lukas and Jason	50-60	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225130	441477	7090627	968	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225131	441449	7090597	964	29-Aug-11	Lukas and Jason	50-60	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225132	441407	7090559	959	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5		10		80	weathered bedrock	moist	evergreen	mid slope
1225133	441375	7090525	954	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225134	441339	7090491	946	29-Aug-11	Lukas and Jason	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1225135	441305	7090449	939	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225136	441271	7090419	931	29-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1225137	441239	7090376	925	29-Aug-11	Lukas and Jason	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1225138	444284	7090629	1216	31-Aug-11	Lukas and Jason	40-50	c	dk brown	20					80	weathered bedrock	moist	evergreen	ridge top
1225139	444336	7090643	1219	31-Aug-11	Lukas and Jason	30-40	c	lt brown		15		15		70	weathered bedrock	moist	evergreen	ridge top
1225140	444380	7090666	1217	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225141	444426	7090686	1216	31-Aug-11	Lukas and Jason	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	ridge top
1225142	444477	7090708	1213	31-Aug-11	Lukas and Jason	30-40	c	lt brown		10		20		70	weathered bedrock	moist	evergreen	ridge top
1225143	444522	7090720	1210	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	ridge top
1225144	444565	7090746	1208	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	ridge top
1225145	444612	7090769	1203	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225146	444658	7090791	1201	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	ridge top
1225147	444702	7090809	1195	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1225148	444748	7090826	1190	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5					95	weathered bedrock	moist	evergreen	ridge top
1225149	444790	7090848	1182	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	ridge top
1225150	444842	7090867	1179	31-Aug-11	Lukas and Jason	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	ridge top
1225202	444160	7090544	1195	30-Aug-11	Austin	40	c	lt brown		10		30		60				
1225203	444129	7090520	1201	30-Aug-11	Austin	50	c	lt brown		5			45	50				
1225204	444082	7090496	1200	30-Aug-11	Austin	50	c	lt brown					30	70				
1225205	444039	7090471	1200	30-Aug-11	Austin	60	c	lt brown		10			40	50				
1225206	443994	7090443	1200	30-Aug-11	Austin	40	c	lt brown		10			40	50				
1225207	443954	7090422	1195	30-Aug-11	Austin	70	c	lt grey		25		25	25	25				
1225208	443909	7090394	1183	30-Aug-11	Austin	70	c	lt brown		10	10		40	40				
1225209	443862	7090377	1178	30-Aug-11	Austin	70	c	lt brown		10			50	40				
1225210	443821	7090354	1172	30-Aug-11	Austin	45	c	lt brown					40	60				
1225211	443781	7090326	1169	30-Aug-11	Austin	40	c	lt brown		5			30	65				
1225212	443730	7090303	1156	30-Aug-11	Austin	60	c	lt brown		5			30	65				
1225213	443687	7090274	1154	30-Aug-11	Austin	60	c	lt brown		20		20	20	40				
1225214	443643	7090251	1137	30-Aug-11	Austin	60	b/c	lt brown		15		15	15	55				
1225215	443601	7090227	1128	30-Aug-11	Austin	50	c	lt brown		10		20	20	50				
1225216	443565	7090204	1117	30-Aug-11	Austin	40	c	lt brown		20		25	20	35				
1225217	443524	7090172	1108	30-Aug-11	Austin	40	c	lt brown		10		10	25	55				
1225218	443472	7090132	1100	30-Aug-11	Austin	60	c	lt brown		5		5	20	70				
1225219	443426	7090117	1087	30-Aug-11	Austin	50	c	lt brown					40	60				
1225220	443388	7090100	1082	30-Aug-11	Austin	40	c	lt brown		15		10	25	50				
1225221	443346	7090075	1074	30-Aug-11	Austin	60	c	lt brown		10		10	30	50				
1225222	443297	7090049	1068	30-Aug-11	Austin	50	c	lt brown				20	40	40				
1225223	443246	7090032	1063	30-Aug-11	Austin	30	c	lt brown		25		25	25	25				
1225224	443201	7090023	1061	30-Aug-11	Austin	40	c	lt brown		30		20	20	30				
1225225	443154	7090000	1051	30-Aug-11	Austin	30	c	lt brown	10	25		25	15	25				

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225226	443107	7089996	1042	30-Aug-11	Austin	60	c	lt brown		10		10	40	40				
1225227	443058	7089994	1035	30-Aug-11	Austin	40	c	lt brown		5		10	10	75				
1225228	443004	7089981	1025	30-Aug-11	Austin	50	c	lt brown				30	30	40				
1225229	442959	7089966	1019	30-Aug-11	Austin	50	c	lt brown					40	60				
1225230	442905	7089954	1009	30-Aug-11	Austin	50	c	lt brown		10			50	40				
1225231	442861	7089940	997	30-Aug-11	Austin	70	c	dk grey		70			20	10				
1225232	442811	7089942	989	30-Aug-11	Austin	80	c	dk grey						100		wet		
1225233	442767	7089911	982	30-Aug-11	Austin	70	c	lt brown					40	60				
1225234	442730	7089875	973	30-Aug-11	Austin	70	c	dk grey		70		20		10				
1225235	442681	7089857	961	30-Aug-11	Austin	40	c	dk brown		70		10	10	10				
1225236	442640	7089819	951	30-Aug-11	Austin	70	c	dk grey		30		10	10	50				
1225237	442607	7089796	941	30-Aug-11	Austin	50	c	dk grey					40	60				
1225238	442578	7089748	926	30-Aug-11	Austin	60	c	dk grey		50		10	20	20				
1225239	442524	7089719	920	30-Aug-11	Austin	80	c	dk grey	10					90				
1225240	442488	7089690	909	30-Aug-11	Austin	30	c	dk brown		30		10	10	50				
1225241	442457	7089659	906	30-Aug-11	Austin	50	c	dk grey		15	10	10	10	55		wet		
1225242	442414	7089626	895	30-Aug-11	Austin	60	c	lt brown		10		10	10	70		wet		
1225243	442380	7089599	889	30-Aug-11	Austin	50	c	lt grey					40	60				
1225244	442336	7089573	881	30-Aug-11	Austin	50	c	lt brown					40	60				
1225245	442292	7089541	875	30-Aug-11	Austin	50	c	lt brown		20			40	40				
1225246	442259	7089506	866	30-Aug-11	Austin	50	c	lt brown		30		30	10	30				
1225247	442220	7089476	856	30-Aug-11	Austin	70	c	lt grey		30		10	20	40				
1225248	442181	7089445	845	30-Aug-11	Austin	50	c	lt brown					60	40				
1225249	442134	7089407	833	30-Aug-11	Austin	50	c	lt brown		10		30	30	30				
1225250	442105	7089377	820	30-Aug-11	Austin	30	c	lt brown					60	40				
1225251	442055	7089360	809	30-Aug-11	Austin	60	c	dk brown		20			40	40				
1225252	442005	7089350	799	30-Aug-11	Austin	50	c	lt grey		20		20	20	40				
1225253	441969	7089307	785	30-Aug-11	Austin	40	c	lt brown		15		15	20	50				
1225254	441916	7089299	777	30-Aug-11	Austin	40	c	lt brown		30		30	30	10				
1225255	441860	7089295	765	30-Aug-11	Austin	50	c	lt brown				100						
1225256	441816	7089272	749	30-Aug-11	Austin	30	c	lt brown				100						
1225257	441785	7089230	734	30-Aug-11	Austin	40	c	lt brown				100						
1225258	441732	7089205		30-Aug-11	Austin	50	c	lt grey		10		10	40	40				
1225259	445593	7091052	1219	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	weathered bedrock	moist	buck brush	ridge top
1225260	445575	7091014	1216	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	5	40	5	40	weathered bedrock	moist	buck brush	ridge top
1225261	445577	7090958	1208	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	weathered bedrock	moist	buck brush	ridge top
1225262	445571	7090904	1196	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225263	445562	7090858	1190	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225264	445551	7090801	1180	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225265	445546	7090765	1172	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225266	445546	7090711	1158	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225267	445544	7090645	1146	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225268	445534	7090551	1128	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225269	445522	7090490	1116	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225270	445508	7090458	1108	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		15	5	45	10	30	loess	moist	buck brush	ridge top
1225271	445494	7090421	1102	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	10	40	5	35	loess	moist	buck brush	ridge top
1225272	445467	7090370	1092	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225273	445458	7090295	1084	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225274	445459	7090253	1078	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225275	445489	7090208	1072	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	40	10	40	loess	moist	buck brush	ridge top
1225276	445492	7090159	1061	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	10	40	5	35	loess	moist	buck brush	ridge top
1225277	445476	7090101	1055	31-Aug-11	Kaylee and Austin	40-50	b/c	lt grey		5		40	5	50	loess	moist	buck brush	ridge top
1225278	445452	7090057	1053	31-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225279	445437	7090023	1053	31-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		15	5	35	5	35	loess	moist	buck brush	ridge top
1225280	445404	7089959	1048	31-Aug-11	Kaylee and Austin	50	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225281	445400	7089927	1047	31-Aug-11	Kaylee and Austin	60	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225282	445380	7089893	1041	31-Aug-11	Kaylee and Austin	50	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225283	445364	7089841	1040	31-Aug-11	Kaylee and Austin	40	c	lt brown		10		10	50	30	talus	moist	evergreen	ridge top
1225284	445345	7089783	1035	31-Aug-11	Kaylee and Austin	60	c	lt brown		10	10	10	30	40	talus	moist	evergreen	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225285	445358	7089736	1031	31-Aug-11	Kaylee and Austin	50	c	lt brown		20	10	20	10	50	talus	moist	evergreen	ridge top
1225286	445351	7089692	1027	31-Aug-11	Kaylee and Austin	60	c	lt brown		10			50	40	talus	moist	evergreen	ridge top
1225287	445349	7089654	1023	31-Aug-11	Kaylee and Austin	50	c	lt brown				40		60	talus	moist	evergreen	ridge top
1225288	445342	7089596	1008	31-Aug-11	Kaylee and Austin	60	c	lt brown		10	5	10	20	55	talus	moist	evergreen	ridge top
1225289	445348	7089534	997	31-Aug-11	Kaylee and Austin	50	c	olive grey		5	5	5	5	80	talus	moist	evergreen	ridge top
1225290	445342	7089498	991	31-Aug-11	Kaylee and Austin	50	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225291	445341	7089438	984	31-Aug-11	Kaylee and Austin	50	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225292	445345	7089387	973	31-Aug-11	Kaylee and Austin	50	c	lt brown		10			50	40	talus	moist	evergreen	ridge top
1225293	445339	7089340	965	31-Aug-11	Kaylee and Austin	60	c	lt brown		10	10	10	10	60	talus	moist	evergreen	ridge top
1225294	445329	7089294	959	31-Aug-11	Kaylee and Austin	50	c	lt brown		20		20	30	30	talus	moist	evergreen	ridge top
1225295	445322	7089242	955	31-Aug-11	Kaylee and Austin	70	c	lt brown		15	20	20	15	30	talus	moist	evergreen	ridge top
1225296	445316	7089182	943	31-Aug-11	Kaylee and Austin	40	c	lt brown		5	10		35	50	talus	moist	evergreen	ridge top
1225297	445309	7089140	932	31-Aug-11	Kaylee and Austin	60	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225298	445299	7089099	920	31-Aug-11	Kaylee and Austin	50	c	lt brown		10			50	40	talus	moist	evergreen	ridge top
1225299	445277	7089029	906	31-Aug-11	Kaylee and Austin	60	c	lt brown		10			50	40	talus	moist	evergreen	ridge top
1225300	445236	7088966	901	31-Aug-11	Kaylee and Austin	60	c	lt brown		10	15	10	15	50	talus	moist	evergreen	ridge top
1225301	445255	7089005	901	31-Aug-11	Kaylee and Austin	40	c	lt brown		10	10	10	20	50	talus	moist	evergreen	ridge top
1225302	445196	7088931		31-Aug-11	Kaylee and Austin	50	c	lt brown		10		10	40	40	talus	moist	evergreen	ridge top
1225303	445169	7088894	886	31-Aug-11	Kaylee and Austin	40	c	lt brown		20	20		30	30	talus	moist	evergreen	ridge top
1225304	445131	7088860	879	31-Aug-11	Kaylee and Austin	70	c	olive grey		5			35	60	talus	moist	evergreen	ridge top
1225305	445093	7088821	875	31-Aug-11	Kaylee and Austin	40	c	dk brown					40	60	talus	moist	evergreen	ridge top
1225306	445061	7088783	878	31-Aug-11	Kaylee and Austin	50	c	lt brown		10			60	30	talus	moist	evergreen	ridge top
1225307	445030	7088753	884	31-Aug-11	Kaylee and Austin	60	c	lt brown		10	20		30	40	talus	moist	evergreen	ridge top
1225308	444995	7088710	884	31-Aug-11	Kaylee and Austin	50	c	lt brown		10			60	30	talus	moist	evergreen	ridge top
1225309	446569	7091615	1199	1-Sep-11	Kaylee and Austin	40	c	lt brown		10	20	30	20	20	talus	moist	evergreen	ridge top
1225310	446600	7091574	1193	1-Sep-11	Kaylee and Austin	50	c	lt brown		20			40	40	talus	moist	evergreen	ridge top
1225311	446648	7091553	1185	1-Sep-11	Kaylee and Austin	60	c	dk brown		5	10	15	30	40	talus	moist	evergreen	ridge top
1225312	446685	7091518	1175	1-Sep-11	Kaylee and Austin	50	c	lt brown					60	40	talus	moist	evergreen	ridge top
1225313	446713	7091483	1168	1-Sep-11	Kaylee and Austin	60	c	lt brown		5	5		40	50	talus	moist	evergreen	ridge top
1225314	446760	7091444	1156	1-Sep-11	Kaylee and Austin	40	c	lt brown					60	40	talus	moist	evergreen	ridge top
1225315	446789	7091412	1147	1-Sep-11	Kaylee and Austin	50	c	lt brown		10	10	10	10	60	talus	moist	evergreen	ridge top
1225316	446831	7091386	1130	1-Sep-11	Kaylee and Austin	50	c	lt brown		10		20	40	30	talus	moist	evergreen	ridge top
1225317	446891	7091365	1115	1-Sep-11	Kaylee and Austin	50	c	lt brown				30	20	50	talus	moist	evergreen	ridge top
1225318	446924	7091351	1107	1-Sep-11	Kaylee and Austin	40	c	lt brown				20	30	50	talus	moist	evergreen	ridge top
1225319	446980	7091334	1085	1-Sep-11	Kaylee and Austin	50	c	lt brown		20		20	20	40	talus	moist	evergreen	ridge top
1225320	447026	7091320	1069	1-Sep-11	Kaylee and Austin	50	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225321	447070	7091310	1051	1-Sep-11	Kaylee and Austin	60	c	lt brown		25	25		25	25	talus	moist	evergreen	mid slope
1225322	447117	7091291	1034	1-Sep-11	Kaylee and Austin	50	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225323	447169	7091282	1016	1-Sep-11	Kaylee and Austin	60	c	lt brown				20	40	40	talus	moist	evergreen	ridge top
1225324	447215	7091257	1000	1-Sep-11	Kaylee and Austin	60	c	lt brown					40	60	talus	moist	evergreen	ridge top
1225325	447268	7091241	981	1-Sep-11	Kaylee and Austin	50	c	lt brown		15	15	10	10	50	talus	moist	evergreen	ridge top
1225326	447311	7091227	967	1-Sep-11	Kaylee and Austin	60	c	lt brown				40	30	30	talus	moist	evergreen	ridge top
1225327	447360	7091209	947	1-Sep-11	Kaylee and Austin	40	c	lt brown		10	10	40	20	20	talus	moist	evergreen	ridge top
1225328	447408	7091201	932	1-Sep-11	Kaylee and Austin	30	c	dk brown		10		30	30	30	talus	moist	evergreen	ridge top
1225329	447453	7091184	925	1-Sep-11	Kaylee and Austin	40	c	lt grey		20	20			60	talus	moist	evergreen	ridge top
1225330	447503	7091170	913	1-Sep-11	Kaylee and Austin		c	lt grey		5	20	5	30	40	talus	moist	evergreen	ridge top
1225331	447552	7091157	896	1-Sep-11	Kaylee and Austin	50	c	lt grey		10	30	30		30	talus	moist	deciduous	ridge top
1225332	447598	7091134	886	1-Sep-11	Kaylee and Austin	40	c	lt grey	10	5	10		10	65	talus	moist	evergreen	ridge top
1225333	447640	7091123	878	1-Sep-11	Kaylee and Austin	70	c	dk grey		10	20	30		40	talus	moist	evergreen	ridge top
1225334	447694	7091113	869	1-Sep-11	Kaylee and Austin	60	c	dk grey	20				40	40	talus	moist	evergreen	ridge top
1225335	447741	7091102	858	1-Sep-11	Kaylee and Austin	40	c	dk grey	5	5			45	45	talus	moist	evergreen	ridge top
1225336	447794	7091075	851	1-Sep-11	Kaylee and Austin	60	c	lt grey		5			35	60	talus	moist	evergreen	ridge top
1225337	447838	7091080	848	1-Sep-11	Kaylee and Austin	60	c	lt grey	5	10	10	10	5	60	fluvial	moist	evergreen	ridge top
1225338	447883	7091066	848	1-Sep-11	Kaylee and Austin	70	c	dk grey				20	40	40	talus	wet	evergreen	ridge top
1225339	447931	7091074	842	1-Sep-11	Kaylee and Austin	30-40	b/c	dk grey			5	45	5	45	loess	partially frozen	buck brush	ridge top
1225340	448001	7091092	840	1-Sep-11	Kaylee and Austin	30-40	b/c	dk grey			5	40	5	50	loess	saturated	buck brush	ridge top
1225341	448059	7091105	838	1-Sep-11	Kaylee and Austin	30-40	b/c	dk grey		10	10	25	5	50	loess	saturated	buck brush	mid slope
1225342	448120	7091124	836	1-Sep-11	Kaylee and Austin	30-40	b/c	dk brown		15	5	25	5	45	loess	moist	buck brush	mid slope
1225343	448173	7091122	840	1-Sep-11	Kaylee and Austin	30-40	b/c	dk grey		5	5	40	5	45	loess	moist	buck brush	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225344	448225	7091124	837	1-Sep-11	Kaylee and Austin	30-40	b/c	dk brown		5		40	5	50	loess	saturated	buck brush	mid slope
1225345	448262	7091171	828	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	dry	buck brush	mid slope
1225346	448281	7091178	823	1-Sep-11	Kaylee and Austin	40-50	b/c	lt grey		20	20	40		20	weathered bedrock	moist	buck brush	bench
1225347	448331	7091188	797	1-Sep-11	Kaylee and Austin	50-60	c	lt grey		10	5	30	5	50	loess	moist	buck brush	mid slope
1225348	448406	7091217	787	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	40	5	50	loess	moist	buck brush	mid slope
1225349	448467	7091252	778	1-Sep-11	Kaylee and Austin	50-60	c	lt grey		5		40	5	50	loess	saturated	buck brush	mid slope
1225350	448547	7091291	765	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	40	5	50	loess	saturated	buck brush	mid slope
1225351	448599	7091337	755	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown				40	20	40	loess	dry	buck brush	mid slope
1225352	448643	7091334	751	1-Sep-11	Kaylee and Austin	30-40	b/c	dk grey		20	20	40	10	20	loess	moist	buck brush	mid slope
1225353	448697	7091348	749	1-Sep-11	Kaylee and Austin	40-50	b/c	dk grey		10	5	30	5	50	loess	saturated	buck brush	mid slope
1225354	448756	7091341	748	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	40	5	50	loess	moist	buck brush	mid slope
1225355	448792	7091351	743	1-Sep-11	Kaylee and Austin	30-40	b/c	dk grey			5	40	5	50	loess	saturated	buck brush	mid slope
1225356	448861	7091369	736	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	40	5	50	loess	moist	buck brush	mid slope
1225357	448914	7091365	732	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	buck brush	mid slope
1225358	448955	7091358	730	1-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	buck brush	mid slope
1225359	449002	7091369	726	1-Sep-11	Kaylee and Austin	40-50	b/c	dk grey			5	40	5	50	loess	moist	buck brush	mid slope
1225360	449045	7091417	723	1-Sep-11	Kaylee and Austin	40-50	b/c	dk grey			5	40	5	50	loess	saturated	buck brush	mid slope
1225361	446055	7091190	1157	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45	5	40	weathered bedrock	dry	buck brush	ridge top
1225362	446061	7091135		2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45	5	40	loess	dry	buck brush	ridge top
1225363	446084	7091087		2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45	5	40	loess	dry	buck brush	ridge top
1225364	446101	7091034		2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45		45	loess	moist	buck brush	ridge top
1225365	446118	7090992	1133	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		10	10	40		40	weathered bedrock	moist	buck brush	ridge top
1225366	446127	7090953	1126	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225367	446148	7090903	1115	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45		45	loess	moist	buck brush	ridge top
1225368	446172	7090845	1103	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225369	446199	7090811	1091	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225370	446226	7090761	1079	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225371	446222	7090704	1073	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45	5	40	loess	moist	buck brush	ridge top
1225372	446230	7090667	1066	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45	5	40	loess	moist	buck brush	ridge top
1225373	446237	7090611	1059	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown	5		5	45	5	40	loess	moist	buck brush	ridge top
1225374	446255	7090567	1052	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	40	5	45	weathered bedrock	moist	buck brush	ridge top
1225375	446271	7090520	1048	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45	5	40	weathered bedrock	moist	buck brush	ridge top
1225376	446291	7090468	1042	2-Sep-11	Kaylee and Austin	30-40	b/c	lt grey		5	5	40	5	45	weathered bedrock	moist	buck brush	ridge top
1225377	446307	7090428	1034	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	loess	moist	buck brush	ridge top
1225378	446322	7090380	1030	2-Sep-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45	5	40	loess	moist	buck brush	ridge top
1225379	446358	7090327	1027	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225380	446377	7090283	1028	2-Sep-11	Kaylee and Austin	50-60	b/c	lt brown		5		45	5	45	weathered bedrock	moist	buck brush	ridge top
1225381	446411	7090227	1026	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45		45	weathered bedrock	moist	buck brush	ridge top
1225382	446411	7090164	1022	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	weathered bedrock	moist	buck brush	ridge top
1225383	446414	7090110	1016	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45		45	loess	moist	buck brush	ridge top
1225384	446398	7090042	1012	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225385	446374	7089980	1010	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45	5	40	loess	moist	buck brush	ridge top
1225386	446368	7089918	1007	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225387	446362	7089866	1004	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	loess	moist	buck brush	ridge top
1225388	446365	7089804	999	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	weathered bedrock	moist	buck brush	ridge top
1225389	446343	7089742	994	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225390	446325	7089705	992	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45		45	loess	moist	buck brush	mid slope
1225391	446320	7089648	991	2-Sep-11	Kaylee and Austin	40-50	b/c	lt grey		5		40	5	50	loess	moist	buck brush	mid slope
1225392	446341	7089598	992	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	buck brush	mid slope
1225393	446361	7089556	994	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	mid slope
1225394	446373	7089501	998	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45	5	40	loess	moist	buck brush	mid slope
1225395	446385	7089462	1000	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45		45	loess	moist	buck brush	mid slope
1225396	446396	7089404	1002	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown				50	5	45	loess	moist	buck brush	mid slope
1225397	446413	7089339	1005	2-Sep-11	Kaylee and Austin	40-50	b/c	lt grey			5	40	5	50	loess	moist	buck brush	ridge top
1225398	446423	7089302	1002	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	loess	moist	buck brush	mid slope
1225399	446440	7089267	996	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	buck brush	mid slope
1225400	446437	7089217	983	2-Sep-11	Kaylee and Austin	40-50	b/c	lt grey		10	10	30	5	35	loess	moist	deciduous	mid slope
1225491	437483	7086745	1136	26-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	20	30	5	40	weathered bedrock	moist	buck brush	ridge top
1225492	437476	7086689	1136	26-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		20	5	35		35	weathered bedrock	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225493	437509	7086650	1129	26-Aug-11	Kaylee and Austin	30-40	c	lt brown		10	10	40	10	30	weathered bedrock	moist	buck brush	ridge top
1225494	437522	7086601	1123	26-Aug-11	Kaylee and Austin	50-60	c	lt brown		10	10	40	5	35	weathered bedrock	moist	buck brush	ridge top
1225495	437543	7086555	1118	26-Aug-11	Kaylee and Austin	50-60	c	lt grey		10	10	25	5	45	weathered bedrock	moist	buck brush	ridge top
1225496	437563	7086508	1109	26-Aug-11	Kaylee and Austin	50-60	b/c	lt grey		10	10	30	5	45	weathered bedrock	moist	buck brush	ridge top
1225497	437577	7086468	1096	26-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		20	20	30	5	25	weathered bedrock	moist	buck brush	ridge top
1225498	437601	7086414	1086	26-Aug-11	Kaylee and Austin	50-60	c	dk grey		20	5	20	5	45	weathered bedrock	moist	buck brush	ridge top
1225499	437617	7086372	1078	26-Aug-11	Kaylee and Austin	40-50	b/c	lt grey		10	20	20	5	45	weathered bedrock	moist	buck brush	ridge top
1225500	437627	7086326	1068	26-Aug-11	Kaylee and Austin	50-60	c	lt brown		10	10	35	5	40	weathered bedrock	moist	buck brush	ridge top
1225501	437645	7086278	1056	26-Aug-11	Kaylee and Austin	50-60	b/c	lt brown		20	5	35	5	35	weathered bedrock	moist	buck brush	ridge top
1225502	437681	7086224	1035	26-Aug-11	Kaylee and Austin	40-50	b/c	lt grey		10	20	25		45	weathered bedrock	moist	buck brush	ridge top
1225503	437729	7086189	1024	26-Aug-11	Kaylee and Austin	50-60	c	lt grey		15	5	25	5	50	weathered bedrock	saturated	deciduous	mid slope
1225504	437702	7086104	1013	26-Aug-11	Kaylee and Austin	70-80	c	dk grey		15	5	20	5	50	weathered bedrock	moist	buck brush	mid slope
1225505	437696	7086082	1005	26-Aug-11	Kaylee and Austin	50-60	b/c	dk grey	5	5	10	25	5	50	weathered bedrock	moist	buck brush	mid slope
1225506	437704	7086040	997	26-Aug-11	Kaylee and Austin	40-50	b/c	lt grey	5	5	5	30	5	50	weathered bedrock	moist	deciduous	mid slope
1225507	437728	7085986	987	26-Aug-11	Kaylee and Austin	50-60	c	lt grey	5	15	5	30	5	40	weathered bedrock	moist	deciduous	mid slope
1225508	437765	7085951	976	26-Aug-11	Kaylee and Austin	40-50	c	lt grey		20	5	25	5	45	weathered bedrock	moist	buck brush	ridge top
1225509	437786	7085895	968	26-Aug-11	Kaylee and Austin	40-50	b/c	dk grey	5	10	5	20	5	50	weathered bedrock	moist	buck brush	mid slope
1225510	437852	7085871	954	26-Aug-11	Kaylee and Austin	40-50	b/c	lt grey	5	20	5	20	5	45	weathered bedrock	moist	deciduous	mid slope
1225511	437833	7085808	941	26-Aug-11	Kaylee and Austin	50-60	c	lt grey		10		40		50	loess	moist	evergreen	ridge top
1225512	437848	7085771	932	26-Aug-11	Kaylee and Austin	40-50	c	lt grey		10		40		50	loess	moist	evergreen	ridge top
1225513	437859	7085724	925	26-Aug-11	Kaylee and Austin	50-60	c	dk grey		10		40		50	loess	wet	evergreen	ridge top
1225514	437883	7085667	915	26-Aug-11	Kaylee and Austin	50-60	c	dk grey		10		30		60	loess	moist	evergreen	ridge top
1225515	437889	7085621	909	26-Aug-11	Kaylee and Austin	70	c	dk grey				40	20	40	loess	wet	evergreen	ridge top
1225516	437891	7085570	901	26-Aug-11	Kaylee and Austin	70	c	dk grey		5	5	50	10	30	loess	moist	evergreen	ridge top
1225517	437926	7085525	891	26-Aug-11	Kaylee and Austin	60	c	dk grey		5	5	40	10	40	loess	wet	evergreen	ridge top
1225518	437950	7085480	884	26-Aug-11	Kaylee and Austin	50-60	c	lt grey		5	10	10	25	50	loess	wet	evergreen	ridge top
1225519	437957	7085434	877	26-Aug-11	Kaylee and Austin	50-60	c	dk grey			5	40	10	45	loess	wet	evergreen	ridge top
1225520	437980	7085378	870	26-Aug-11	Kaylee and Austin	60	c	dk grey		5	15	40	10	30	loess	moist	evergreen	ridge top
1225521	438022	7085334	857	26-Aug-11	Kaylee and Austin	60-70	b/c	lt grey	10	10	5	20	5	20	loess	saturated	deciduous	ridge top
1225522	438048	7085285	845	26-Aug-11	Kaylee and Austin	50-60	b/c	lt grey		5	20	20	5	50	loess	wet	deciduous	mid slope
1225523	438083	7085234	832	26-Aug-11	Kaylee and Austin	50-60	b/c	lt grey		5	5	25	10	45	loess	moist	deciduous	mid slope
1225524	438111	7085186	820	26-Aug-11	Kaylee and Austin	50-60	b/c	dk grey		5	5	30	10	50	loess	moist	deciduous	mid slope
1225525	438147	7085155	810	26-Aug-11	Kaylee and Austin	50-60	b/c	dk grey		10	10	20	10	50	loess	moist	deciduous	mid slope
1225526	438156	7085094	801	26-Aug-11	Kaylee and Austin	50-60	b/c	dk grey		5	5	30	10	30	loess	moist	deciduous	mid slope
1225527	438161	7085058	796	26-Aug-11	Kaylee and Austin	no sample												
1225528	438192	7085024	788	26-Aug-11	Kaylee and Austin	50-60	c	lt brown		20	5	30		45	weathered bedrock	moist	deciduous	mid slope
1225529	438209	7084968	782	26-Aug-11	Kaylee and Austin	50-60	c	dk grey	30	10	10	20	10	20	weathered bedrock	moist	deciduous	mid slope
1225530	438259	7084938	770	26-Aug-11	Kaylee and Austin	50-60	c	dk grey	40			10		50	weathered bedrock	moist	deciduous	mid slope
1225531	438286	7084895	761	26-Aug-11	Kaylee and Austin	50-60	c	dk grey	20		10	10	10	50	weathered bedrock	moist	deciduous	mid slope
1225532	438306	7084835	749	26-Aug-11	Kaylee and Austin	40-50	b/c	lt grey			30	30		40	loess	moist	deciduous	mid slope
1225533	438344	7084798	730	26-Aug-11	Kaylee and Austin	60-70	c	lt grey		5	5	30	10	50	weathered bedrock	moist	deciduous	mid slope
1225534	438384	7084772	716	26-Aug-11	Kaylee and Austin	50-60	b/c	lt grey				50		50	weathered bedrock	moist	deciduous	mid slope
1225535	438420	7084745	707	26-Aug-11	Kaylee and Austin	60-70	b/c	lt grey		10	10	25	10	45	weathered bedrock	moist	deciduous	ridge top
1225536	438454	7084712	696	26-Aug-11	Kaylee and Austin	50-60	c	lt brown			5	45	5	45	loess	wet	deciduous	mid slope
1225537	438484	7084684	686	26-Aug-11	Kaylee and Austin	60-70	b/c	lt brown			15	45	5	45	loess	moist	deciduous	mid slope
1225538	438518	7084642	674	26-Aug-11	Kaylee and Austin	50-60	b/c	lt brown			5	45	5	45	weathered bedrock	moist	deciduous	ridge top
1225539	438545	7084608	666	26-Aug-11	Kaylee and Austin	50-60	c	lt brown		5	5	45		45	loess	moist	deciduous	mid slope
1225540	438592	7084583	658	26-Aug-11	Kaylee and Austin	50-60	c	lt brown		5	5	45		45	loess	wet	deciduous	mid slope
1225541	438643	7084574	653	26-Aug-11	Kaylee and Austin	50-60	c	lt brown				50		50	loess	moist	deciduous	mid slope
1225542	438682	7084569	646	26-Aug-11	Kaylee and Austin	60-70	c	lt brown				50		50	loess	moist	deciduous	mid slope
1225551	437584	7086836	1151	27-Aug-11	Kaylee and Austin	50-60	c	lt brown		5		45	5	45	weathered bedrock	moist	buck brush	ridge top
1225552	437639	7086855	1149	27-Aug-11	Kaylee and Austin	50-60	c	lt brown			5	45	5	45	weathered bedrock	moist	buck brush	ridge top
1225553	437673	7086864	1146	27-Aug-11	Kaylee and Austin	50-60	c	lt brown		25	10	35		30	weathered bedrock	moist	buck brush	ridge top
1225554	437719	7086877	1142	27-Aug-11	Kaylee and Austin	50-60	c	lt brown		15	5	30	10	40	weathered bedrock	moist	buck brush	ridge top
1225555	437768	7086889	1137	27-Aug-11	Kaylee and Austin	50-60	c	lt brown		10	10	30	5	45	weathered bedrock	moist	buck brush	ridge top
1225556	437817	7086911	1131	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		20	20	30		30	weathered bedrock	moist	buck brush	ridge top
1225557	437866	7086924	1125	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		10	10	30	5	45	weathered bedrock	moist	buck brush	ridge top
1225558	437912	7086936	1119	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		10	5	40	5	40	weathered bedrock	moist	buck brush	ridge top
1225559	437951	7086959	1113	27-Aug-11	Kaylee and Austin	40-50	c	dk grey			5	45	5	45	weathered bedrock	saturated	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225560	438011	7086990	1107	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		20	20	10	10	40	weathered bedrock	moist	buck brush	ridge top
1225561	438051	7087002	1102	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	5	40	10	40	weathered bedrock	moist	buck brush	ridge top
1225562	438116	7087008	1102	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	5	40	10	40	weathered bedrock	moist	buck brush	ridge top
1225563	438154	7087007	1101	27-Aug-11	Kaylee and Austin	50-60	c	lt brown			5	45	5	45	weathered bedrock	moist	buck brush	ridge top
1225564	438198	7087021	1097	27-Aug-11	Kaylee and Austin	40-50	c	lt brown			5	45		50	weathered bedrock	moist	buck brush	ridge top
1225565	438241	7087040	1095	27-Aug-11	Kaylee and Austin	50-60	b/c	lt brown		5	5	40	10	40	weathered bedrock	moist	buck brush	ridge top
1225566	438295	7087055	1092	27-Aug-11	Kaylee and Austin	50-60	b/c	lt brown		5	5	35	10	45	weathered bedrock	moist	buck brush	ridge top
1225567	438358	7087071	1087	27-Aug-11	Kaylee and Austin	50-60	c	lt brown			5	45	5	45	weathered bedrock	moist	buck brush	ridge top
1225568	438410	7087104	1086	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	weathered bedrock	moist	buck brush	ridge top
1225569	438466	7087121	1084	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	10	40	weathered bedrock	moist	buck brush	ridge top
1225570	438490	7087121	1083	27-Aug-11	Kaylee and Austin	40-50	c	lt brown			5	45	5	45	weathered bedrock	moist	buck brush	ridge top
1225571	438532	7087125	1082	27-Aug-11	Kaylee and Austin	40-50	c	lt brown			5	45	5	45	weathered bedrock	moist	buck brush	ridge top
1225572	438577	7087153	1078	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	5	45	5	40	weathered bedrock	moist	buck brush	ridge top
1225573	438640	7087161	1073	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	weathered bedrock	moist	buck brush	ridge top
1225574	438694	7087165	1068	27-Aug-11	Kaylee and Austin	40-50	c	lt brown				45	5	50	weathered bedrock	moist	buck brush	ridge top
1225575	438744	7087179	1065	27-Aug-11	Kaylee and Austin	30-40	c	lt brown		10	10	40		40	weathered bedrock	moist	buck brush	ridge top
1225576	438776	7087205	1062	27-Aug-11	Kaylee and Austin	30-40	c	lt brown		5	5	40	10	40	weathered bedrock	moist	buck brush	ridge top
1225577	438813	7087231	1059	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		10	5	40	5	40	weathered bedrock	moist	alpine	ridge top
1225578	438868	7087237	1057	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	10	35	10	35	weathered bedrock	moist	buck brush	ridge top
1225579	438918	7087224	1057	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10		35	5	50	weathered bedrock	moist	buck brush	ridge top
1225580	438972	7087224	1058	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		10	5	40	5	40	weathered bedrock	moist	buck brush	ridge top
1225581	439023	7087217	1060	27-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	20	35	10	40	weathered bedrock	wet	buck brush	mid slope
1225582	439076	7087209	1063	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		10	20	30		40	weathered bedrock	moist	buck brush	ridge top
1225583	439120	7087216	1067	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			25	35	5	35	weathered bedrock	moist	buck brush	ridge top
1225584	439169	7087215	1070	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	5	45		45	weathered bedrock	moist	buck brush	ridge top
1225585	439222	7087235	1076	27-Aug-11	Kaylee and Austin	40-50	c	lt brown				50		50	weathered bedrock	dry	deciduous	ridge top
1225586	439277	7087226	1077	27-Aug-11	Kaylee and Austin	40-50	c	lt brown				50		50	weathered bedrock	dry	buck brush	ridge top
1225587	439319	7087221	1077	27-Aug-11	Kaylee and Austin	30-40	c	lt brown		5	5	45		45	weathered bedrock	dry	buck brush	ridge top
1225588	439373	7087243	1075	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown				50		50	weathered bedrock	dry	buck brush	ridge top
1225589	439415	7087251	1074	27-Aug-11	Kaylee and Austin	40-50	c	lt brown				50		50	weathered bedrock	dry	buck brush	ridge top
1225590	439473	7087279	1070	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	10	40	5	40	weathered bedrock	moist	buck brush	ridge top
1225591	439523	7087288	1070	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	5	45		45	weathered bedrock	moist	buck brush	ridge top
1225592	439561	7087291	1067	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	5	45	weathered bedrock	moist	buck brush	ridge top
1225593	439626	7087307	1062	27-Aug-11	Kaylee and Austin	30-40	c	lt grey			5	45	5	50	weathered bedrock	moist	buck brush	ridge top
1225594	439659	7087328	1059	27-Aug-11	Kaylee and Austin	40-50	b/c	dk grey		5	5	40	5	45	loess	moist	buck brush	ridge top
1225595	439712	7087340	1055	27-Aug-11	Kaylee and Austin	40-50	b/c	lt grey			5	45	5	45	loess	wet	buck brush	ridge top
1225596	439753	7087368	1049	27-Aug-11	Kaylee and Austin	40-50	b/c	lt grey			5	40	5	50	loess	moist	buck brush	ridge top
1225597	439791	7087367	1047	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		20		40		40	loess	moist	buck brush	ridge top
1225598	439853	7087382	1044	27-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225599	439890	7087444	1042	27-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	10	40	loess	moist	buck brush	ridge top
1225600	439908	7087467	1040	27-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225601	439943	7087500	1039	27-Aug-11	Kaylee and Austin	50-60	c	lt grey				45	5	50	loess	moist	buck brush	ridge top
1225602	439989	7087535	1037	27-Aug-11	Kaylee and Austin	40-50	c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225603	440025	7087565	1037	27-Aug-11	Kaylee and Austin	30-40	b/c	lt brown			10	40	10	40	loess	moist	buck brush	ridge top
1225604	440077	7087607	1041	27-Aug-11	Kaylee and Austin	40-50	c	lt brown				50	10	40	loess	moist	buck brush	ridge top
1225605	440248	7087695	1053	28-Aug-11	Kaylee and Austin	30	c	lt brown		10	10	10	10	60	talus	moist	buck brush	mid slope
1225606	440311	7087672	1053	28-Aug-11	Kaylee and Austin	50	c	lt brown				40		60	loess	moist	buck brush	ridge top
1225607	440363	7087669	1054	28-Aug-11	Kaylee and Austin	50	c	lt brown		15			35	50	loess	moist	buck brush	ridge top
1225608	440415	7087651	1050	28-Aug-11	Kaylee and Austin	60	c	lt brown					10	90	loess	moist	buck brush	ridge top
1225609	440455	7087628	1048	28-Aug-11	Kaylee and Austin	60	c	lt brown		10		10	40	40	loess	moist	buck brush	ridge top
1225610	440504	7087608	1042	28-Aug-11	Kaylee and Austin	40	c	lt brown		10			40	50	loess	moist	buck brush	ridge top
1225611	440545	7087576	1037	28-Aug-11	Kaylee and Austin	40	c	lt brown		10		20	20	50	loess	moist	buck brush	ridge top
1225612	440593	7087558	1030	28-Aug-11	Kaylee and Austin	60	c	lt brown		10	20	10		60	weathered bedrock	moist	buck brush	ridge top
1225613	440637	7087540	1026	28-Aug-11	Kaylee and Austin	40	c	lt grey		10		20	10	60	weathered bedrock	moist	evergreen	ridge top
1225614	440685	7087514	1023	28-Aug-11	Kaylee and Austin	50	c	lt brown		5		20	10	65	weathered bedrock	moist	evergreen	ridge top
1225615	440730	7087495	1017	28-Aug-11	Kaylee and Austin	30	c	lt brown		10			20	70	weathered bedrock	moist	evergreen	ridge top
1225616	440770	7087471	1016	28-Aug-11	Kaylee and Austin	50	c	lt brown		10		40	20	30	weathered bedrock	moist	evergreen	ridge top
1225617	440811	7087439	1011	28-Aug-11	Kaylee and Austin	50	c	lt brown		10	25	25		40	weathered bedrock	moist	evergreen	ridge top
1225618	440850	7087412	1009	28-Aug-11	Kaylee and Austin	50	c	dk grey		15	10	15	10	50	weathered bedrock	moist	evergreen	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225619	440890	7087375	1006	28-Aug-11	Kaylee and Austin	45	c	lt brown				10	30	60	weathered bedrock	moist	evergreen	ridge top
1225620	440936	7087343	1000	28-Aug-11	Kaylee and Austin	50	c	lt grey		10		10	20	60	weathered bedrock	moist	evergreen	ridge top
1225621	440958	7087312	1000	28-Aug-11	Kaylee and Austin	50	c	lt brown					40	60	weathered bedrock	moist	evergreen	ridge top
1225622	440961	7087254	998	28-Aug-11	Kaylee and Austin	60	c	lt grey		15	10	15	10	50	weathered bedrock	moist	evergreen	ridge top
1225623	440969	7087203	1000	28-Aug-11	Kaylee and Austin	50	c	lt brown		5	10	10	10	65	weathered bedrock	moist	evergreen	ridge top
1225624	440971	7087156	1003	28-Aug-11	Kaylee and Austin	50	c	lt brown		10	10	10	10	60	weathered bedrock	moist	evergreen	ridge top
1225625	440977	7087111	999	28-Aug-11	Kaylee and Austin	60	c	lt brown		5	5	30		60	weathered bedrock	moist	evergreen	ridge top
1225626	440978	7087052	1003	28-Aug-11	Kaylee and Austin	60	c	dk brown					40	60	weathered bedrock	moist	evergreen	ridge top
1225627	440973	7087004	1008	28-Aug-11	Kaylee and Austin	60	c	lt grey		10	10	15	15	50	weathered bedrock	moist	evergreen	ridge top
1225628	440959	7086957	1009	28-Aug-11	Kaylee and Austin	40	c	lt brown				40		60	weathered bedrock	moist	evergreen	ridge top
1225629	440943	7086922	1011	28-Aug-11	Kaylee and Austin	40	c	lt brown		10		30		60	loess	moist	evergreen	ridge top
1225630	440924	7086865	1015	28-Aug-11	Kaylee and Austin	50	c	lt brown				40		60	weathered bedrock	moist	evergreen	ridge top
1225631	440908	7086829	1010	28-Aug-11	Kaylee and Austin	60	c	lt brown		10	10	5		75	weathered bedrock	moist	evergreen	ridge top
1225632	440891	7086779	1004	28-Aug-11	Kaylee and Austin	40	c	dk brown				40		60	weathered bedrock	moist	evergreen	ridge top
1225633	440887	7086725	996	28-Aug-11	Kaylee and Austin	30-40	c	lt brown		5	5	40	10	40	loess	moist	deciduous	mid slope
1225634	440876	7086666	984	28-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	5	40	5	40	loess	moist	deciduous	mid slope
1225635	440862	7086620	969	28-Aug-11	Kaylee and Austin	30-40	c	lt brown		10	10	30	10	40	loess	moist	evergreen	mid slope
1225636	440830	7086592	963	28-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	15	35	5	35	loess	moist	deciduous	mid slope
1225637	440832	7086543	949	28-Aug-11	Kaylee and Austin	40-50	c	lt brown		10	10	40	10	30	loess	moist	deciduous	mid slope
1225638	440834	7086492	929	28-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	40	10	40	loess	moist	deciduous	mid slope
1225639	440806	7086437		28-Aug-11	Kaylee and Austin	50-60	b/c	lt brown							loess	moist	deciduous	mid slope
1225640	440779	7086398	902	28-Aug-11	Kaylee and Austin	40-50	c	lt brown		10		40	10	40	loess	moist	deciduous	mid slope
1225641	440777	7086352	885	28-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10		40	10	40	loess	moist	deciduous	mid slope
1225642	440751	7086297	870	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	10	40	loess	moist	deciduous	mid slope
1225643	440738	7086248	854	28-Aug-11	Kaylee and Austin	30-40	b/c	lt brown			10	40	10	40	loess	moist	deciduous	mid slope
1225644	440705	7086187	846	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	10	40	loess	moist	deciduous	mid slope
1225645	440659	7086132	825	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			10	40	10	40	loess	moist	deciduous	mid slope
1225646	440660	7086069	806	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	deciduous	mid slope
1225647	440653	7086026	790	28-Aug-11	Kaylee and Austin	30-40	b/c	lt brown			10	40	10	40	loess	moist	deciduous	mid slope
1225648	440678	7085948	767	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			10	40	10	40	loess	moist	deciduous	mid slope
1225649	440718	7085864	739	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	deciduous	mid slope
1225650	440741	7085787	713	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	deciduous	mid slope
1225651	440760	7085689	667	28-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45	5	40	loess	moist	deciduous	mid slope
1225652	440772	7085607	636	28-Aug-11	Kaylee and Austin	40-50	c	lt brown		5	5	40	10	40	loess	moist	deciduous	mid slope
1225657	437031	7091661	1044	29-Aug-11	Kaylee and Austin	40-50	b/c	lt grey			5	45	5	45	loess	moist	buck brush	ridge top
1225658	437071	7091637	1045	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	35	10	45	loess	moist	buck brush	ridge top
1225659	437132	7091627	1041	29-Aug-11	Kaylee and Austin	30-40	b/c	lt brown			5	45	5	45	loess	moist	buck brush	ridge top
1225660	437178	7091622	1040	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			5	40	5	50	loess	moist	buck brush	ridge top
1225661	437222	7091627	1039	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	moist	buck brush	ridge top
1225662	437278	7091616	1036	29-Aug-11	Kaylee and Austin	40-50	b/c	dk grey		10	10	30	10	40	loess	moist	buck brush	ridge top
1225663	437328	7091602	1032	29-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		5	5	45	5	40	loess	moist	buck brush	ridge top
1225664	437378	7091595	1028	29-Aug-11	Kaylee and Austin	40-50	b/c	lt grey		5		40	5	50	loess	moist	buck brush	ridge top
1225665	437419	7091584	1025	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	10	40	loess	moist	buck brush	ridge top
1225666	437471	7091579		29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown			5	45	5	45	loess	moist	buck brush	ridge top
1225667	437549	7091558	1012	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		15	10	30		45	loess	moist	buck brush	ridge top
1225668	437611	7091560	1010	29-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225669	437667	7091523	1005	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225670	437722	7091509	1003	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225671	437797	7091512	1005	29-Aug-11	Kaylee and Austin	30-40	b/c	lt brown		10	10	40		40	loess	moist	buck brush	ridge top
1225672	437864	7091518	1010	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225673	437919	7091517	1010	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	buck brush	ridge top
1225674	437964	7091496	1009	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225675	438033	7091466	1004	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top
1225676	438069	7091440	1001	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45		45	loess	moist	buck brush	ridge top
1225677	438133	7091431	998	29-Aug-11	Kaylee and Austin	30-40	b/c	lt brown			5	45	5	45	loess	moist	buck brush	ridge top
1225678	438185	7091480	996	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	dry	buck brush	ridge top
1225679	438228	7091484	990	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	40	10	40	loess	moist	buck brush	ridge top
1225680	438264	7091495	987	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	5	45		45	loess	moist	buck brush	ridge top
1225681	438308	7091485	985	29-Aug-11	Kaylee and Austin	40-50	b/c	lt brown		5	10	40	5	40	loess	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225682	438358	7091487	985	29-Aug-11	Kaylee and Austin	30-40	b/c	lt brown			10	45	5	40	loess	moist	buck brush	ridge top
1225683	438404	7091499	986	29-Aug-11	Kaylee and Austin	40-50	b/c	lt grey			5	40	5	50	loess	moist	buck brush	ridge top
1225684	438461	7091484	992	29-Aug-11	Kaylee and Austin	40	b/c	lt grey		15	10	15	10	50	talus	moist	evergreen	ridge top
1225685	438511	7091487	991	29-Aug-11	Kaylee and Austin	40	c	lt grey		10	5		30	55	talus	moist	evergreen	ridge top
1225686	438561	7091493	988	29-Aug-11	Kaylee and Austin	50	c	dk grey		10	15	5	20	50	talus	moist	evergreen	ridge top
1225687	438613	7091489	990	29-Aug-11	Kaylee and Austin	50	c	lt brown		5	5	10	10	70	talus	moist	evergreen	ridge top
1225688	438659	7091489	989	29-Aug-11	Kaylee and Austin	30	c	lt grey		5	10	5	10	50	talus	moist	evergreen	ridge top
1225689	438716	7091482	991	29-Aug-11	Kaylee and Austin	40	c	lt brown		20	10	10	10	50	talus	moist	evergreen	ridge top
1225690	438762	7091482	988	29-Aug-11	Kaylee and Austin	70	c	dk grey		5		5		90	talus	moist	evergreen	ridge top
1225691	438815	7091491	984	29-Aug-11	Kaylee and Austin	50	c	lt brown		10		10	20	60	talus	moist	evergreen	ridge top
1225692	438863	7091483	981	29-Aug-11	Kaylee and Austin	50	c	lt brown	5	10	10	10	15	60	talus	moist	evergreen	ridge top
1225693	438917	7091483	981	29-Aug-11	Kaylee and Austin	60	c	lt brown		10	10	5	5	70	talus	moist	evergreen	ridge top
1225694	438961	7091488	968	29-Aug-11	Kaylee and Austin	60	c	lt brown	5	15	10	5	10	55	talus	moist	evergreen	ridge top
1225695	439012	7091482	961	29-Aug-11	Kaylee and Austin	60	c	lt brown		10		50		40	talus	moist	evergreen	ridge top
1225696	439061	7091486	958	29-Aug-11	Kaylee and Austin	50	c	lt brown		10		10	40	40	talus	moist	evergreen	ridge top
1225697	439161	7091482	940	29-Aug-11	Kaylee and Austin	50	c	lt brown		10		25		65	talus	moist	evergreen	ridge top
1225698	439266	7091464	925	29-Aug-11	Kaylee and Austin	40	c	lt brown		10		40		50	talus	moist	evergreen	ridge top
1225951	440798	7090275	881	30-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1225952	440749	7090261	879	30-Aug-11	James	30-40	c	lt brown				60		40	weathered bedrock	moist	evergreen	mid slope
1225953	440700	7090248	874	30-Aug-11	James	50-60	c	lt brown		10		50		40	weathered bedrock	moist	evergreen	mid slope
1225954	440656	7090237	869	30-Aug-11	James	40-50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1225955	440604	7090229	864	30-Aug-11	James	30-40	c	lt brown		10		50		40	weathered bedrock	moist	evergreen	mid slope
1225956	440558	7090217	855	30-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1225957	440506	7090204	857	30-Aug-11	James	30-40	c	lt brown				60		40	weathered bedrock	moist	evergreen	mid slope
1225958	440458	7090193	854	30-Aug-11	James	40-50	c	lt brown		10		50		40	weathered bedrock	moist	evergreen	mid slope
1225959	440404	7090182	851	30-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1225960	440359	7090169	848	30-Aug-11	James	30-40	c	lt brown		10		45		45	weathered bedrock	moist	evergreen	mid slope
1225961	440310	7090160	845	30-Aug-11	James	30-40	c	lt brown		10		45		45	weathered bedrock	moist	evergreen	mid slope
1225962	440261	7090148	840	30-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1225963	440214	7090140	837	30-Aug-11	James	30-40	c	lt brown				60		40	weathered bedrock	moist	evergreen	mid slope
1225964	440168	7090124	832	30-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1225965	440119	7090100	826	30-Aug-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1225966	440076	7090082	823	30-Aug-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1225967	440033	7090059	819	30-Aug-11	James	20-30	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1225968	439983	7090034	814	30-Aug-11	James	no sample												
1225969	439939	7090013	811	30-Aug-11	James	30-40	c	lt brown				70		30	weathered bedrock	moist	evergreen	mid slope
1225970	439897	7089991	801	30-Aug-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	evergreen	mid slope
1225971	439854	7089969	795	30-Aug-11	James	30-40	c	lt brown		50		50			weathered bedrock	dry	buck brush	valley bottom
1225972	439811	7089944	792	30-Aug-11	James	30-40	c	lt brown		50		50			weathered bedrock	dry	buck brush	valley bottom
1225973	439762	7089924	793	30-Aug-11	James	30-40	c	lt brown		50		50			weathered bedrock	dry	buck brush	valley bottom
1225974	441076	7087146	990	31-Aug-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	evergreen	mid slope
1225975	441128	7087157	982	31-Aug-11	James	30-40	c	lt grey				30		70	weathered bedrock	moist	evergreen	mid slope
1225976	441169	7087175	982	31-Aug-11	James	30-40	c	lt brown		10		30		60	weathered bedrock	moist	buck brush	mid slope
1225977	441218	7087188	981	31-Aug-11	James	30-40	c	lt grey	10	10		40		40	weathered bedrock	moist	buck brush	mid slope
1225978	441267	7087202	978	31-Aug-11	James	30-40	c	lt grey				40		60	weathered bedrock	moist	buck brush	mid slope
1225979	441313	7087219	974	31-Aug-11	James	30-40	c	lt grey		20	10	25		45	weathered bedrock	moist	buck brush	mid slope
1225980	441357	7087237	971	31-Aug-11	James	30-40	c	lt grey		20		40		40	weathered bedrock	moist	buck brush	mid slope
1225981	441405	7087251	966	31-Aug-11	James	30-40	c	lt grey		20		40		40	weathered bedrock	moist	buck brush	mid slope
1225982	441457	7087263	963	31-Aug-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1225983	441503	7087279	958	31-Aug-11	James	20-30	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1225984	441551	7087295	949	31-Aug-11	James	20-30	c	lt brown		10		50		40	weathered bedrock	moist	buck brush	mid slope
1225985	441601	7087310	942	31-Aug-11	James	20-30	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1225986	441649	7087320	932	31-Aug-11	James	30-40	c	lt grey		25		25		50	weathered bedrock	moist	buck brush	mid slope
1225987	441696	7087341	922	31-Aug-11	James	30-40	c	lt brown		10		40		50	weathered bedrock	moist	evergreen	mid slope
1225988	441738	7087356	922	31-Aug-11	James	30-40	c	lt brown		20		50		30	weathered bedrock	moist	evergreen	mid slope
1225989	441785	7087374	905	31-Aug-11	James	20-30	c	lt brown		25		55		20	weathered bedrock	moist	evergreen	mid slope
1225990	441834	7087385	898	31-Aug-11	James	30-40	c	lt brown		20	20	20		40	weathered bedrock	moist	evergreen	mid slope
1225991	441886	7087402	887	31-Aug-11	James	40-50	c	lt grey		20		40		40	weathered bedrock	moist	buck brush	mid slope
1225992	441936	7087416	885	31-Aug-11	James	30-40	c	lt brown		40		20		40	weathered bedrock	moist	buck brush	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1225993	441984	7087437	880	31-Aug-11	James	40-50	c	lt grey		30		40		30	weathered bedrock	moist	buck brush	mid slope
1225994	442026	7087446	875	31-Aug-11	James	30-40	c	lt grey		20		20		60	weathered bedrock	moist	buck brush	mid slope
1225995	442075	7087456	868	31-Aug-11	James	40-50	c	lt grey		20	20	20		40	weathered bedrock	moist	buck brush	mid slope
1225996	442125	7087461	860	31-Aug-11	James	20-30	c	lt grey		40				60	weathered bedrock	moist	buck brush	mid slope
1225997	442173	7087462	850	31-Aug-11	James	30-40	c	lt grey		20	30	50			weathered bedrock	moist	buck brush	mid slope
1225998	442226	7087463	838	31-Aug-11	James	30-40	c	lt grey		20	30	50			weathered bedrock	moist	buck brush	mid slope
1227651	446846	7092106	1206	1-Sep-11	James and Kevin	50-60	c	dk brown	10					90	weathered bedrock	moist	evergreen	ridge top
1227652	446890	7092127	1210	1-Sep-11	James and Kevin	40-50	c	dk brown	5	10				85	weathered bedrock	moist	evergreen	ridge top
1227653	446938	7092150	1211	1-Sep-11	James and Kevin	30-40	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	ridge top
1227654	446990	7092162	1211	1-Sep-11	James and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	ridge top
1227655	447031	7092182	1210	1-Sep-11	James and Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	ridge top
1227656	447076	7092206	1211	1-Sep-11	James and Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	ridge top
1227657	447122	7092226	1210	1-Sep-11	James and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	ridge top
1227658	447166	7092244	1208	1-Sep-11	James and Kevin	30-40	c	lt brown		5		35		60	weathered bedrock	moist	evergreen	ridge top
1227659	447214	7092262	1207	1-Sep-11	James and Kevin	30-40	c	lt brown		20		60		20	weathered bedrock	moist	evergreen	ridge top
1227660	447261	7092266	1206	1-Sep-11	James and Kevin	30-40	c	dk brown	5	10		35		50	weathered bedrock	moist	evergreen	ridge top
1227661	447312	7092257	1211	1-Sep-11	James and Kevin	40-50	c	lt brown	5	15		40		40	weathered bedrock	moist	evergreen	ridge top
1227662	447358	7092245	1209	1-Sep-11	James and Kevin	40-50	c	lt brown		20		40		40	weathered bedrock	moist	evergreen	ridge top
1227663	447409	7092239	1202	1-Sep-11	James and Kevin	30-40	c	lt brown	10			40		50	weathered bedrock	moist	evergreen	ridge top
1227664	447458	7092227	1190	1-Sep-11	James and Kevin	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	ridge top
1227665	447507	7092215	1172	1-Sep-11	James and Kevin	50-60	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1227666	447556	7092206	1154	1-Sep-11	James and Kevin	50-60	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1227667	447601	7092198	1137	1-Sep-11	James and Kevin	30-40	c	lt grey	5	15		40		40	weathered bedrock	moist	buck brush	mid slope
1227668	447658	7092191	1116	1-Sep-11	James and Kevin	40-50	c	lt brown				40		60	weathered bedrock	moist	buck brush	mid slope
1227669	447706	7092178	1097	1-Sep-11	James and Kevin	40-50	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1227670	447756	7092175	1075	1-Sep-11	James and Kevin	70-80	c	lt grey		40		30		30	weathered bedrock	moist	buck brush	mid slope
1227671	447804	7092162	1062	1-Sep-11	James and Kevin	30-40	c	lt grey		40		30		30	weathered bedrock	moist	buck brush	bench
1227672	447854	7092152	1048	1-Sep-11	James and Kevin	40-50	c	lt brown		10		30		60	weathered bedrock	moist	evergreen	mid slope
1227673	447903	7092141	1036	1-Sep-11	James and Kevin	50-60	c	dk brown	10	20		50		20	weathered bedrock	wet	evergreen	mid slope
1227674	447955	7092134	1018	1-Sep-11	James and Kevin	60-70	c	lt grey		20		30		50	weathered bedrock	moist	evergreen	mid slope
1227675	448005	7092129	995	1-Sep-11	James and Kevin	40-50	c	lt brown		20		20		60	weathered bedrock	moist	evergreen	mid slope
1227676	448056	7092116	985	1-Sep-11	James and Kevin	30-40	c	lt brown		40		30		30	weathered bedrock	moist	evergreen	mid slope
1227677	448101	7092104	968	1-Sep-11	James and Kevin	50-60	c	dk brown	10	10		40		40	weathered bedrock	moist	evergreen	mid slope
1227678	448150	7092095	944	1-Sep-11	James and Kevin	50-60	c	lt grey		30		50		20	weathered bedrock	moist	evergreen	mid slope
1227679	448198	7092080	930	1-Sep-11	James and Kevin	70-80	c	lt grey		30		30		40	weathered bedrock	moist	evergreen	mid slope
1227680	448244	7092068	913	1-Sep-11	James and Kevin	60-70	c	lt grey		40		30		30	weathered bedrock	moist	evergreen	mid slope
1227681	448289	7092046	898	1-Sep-11	James and Kevin	40-50	c	dk brown	90	10					loess	moist	evergreen	mid slope
1227682	448331	7092019	896	1-Sep-11	James and Kevin	30-40	c	dk brown	10	40				50	weathered bedrock	moist	evergreen	mid slope
1227683	448377	7092000	879	1-Sep-11	James and Kevin	30-40	c	lt grey		40		30		30	weathered bedrock	moist	evergreen	mid slope
1227684	448420	7091974	870	1-Sep-11	James and Kevin	20-30	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1227685	448465	7091949	848	1-Sep-11	James and Kevin	40-50	c	dk grey		50		50			weathered bedrock	moist	evergreen	mid slope
1227686	448508	7091927	840	1-Sep-11	James and Kevin	30-40	c	white		90				10	weathered bedrock	moist	evergreen	mid slope
1227687	448554	7091910	827	1-Sep-11	James and Kevin	40-50	c	lt grey				20		80	weathered bedrock	moist	evergreen	mid slope
1227688	448597	7091884	814	1-Sep-11	James and Kevin	30-40	c	lt grey	10			60		30	weathered bedrock	moist	evergreen	mid slope
1227689	448642	7091864	807	1-Sep-11	James and Kevin	10-20	c	lt grey	20			10		70	weathered bedrock	moist	evergreen	mid slope
1227690	448693	7091842	788	1-Sep-11	James and Kevin	30-40	c	lt grey				50		50	weathered bedrock	moist	evergreen	mid slope
1227691	448735	7091819	776	1-Sep-11	James and Kevin	40-50	c	lt grey	10			10		80	weathered bedrock	moist	evergreen	mid slope
1227692	448778	7091793	767	1-Sep-11	James and Kevin	40-50	c	lt grey	40			20		40	weathered bedrock	moist	evergreen	mid slope
1227693	448821	7091768	762	1-Sep-11	James and Kevin	30-40	c	lt grey						100	weathered bedrock	moist	evergreen	valley bottom
1227694	448868	7091749	761	1-Sep-11	James and Kevin	30-40	c	lt grey				50		50	weathered bedrock	moist	evergreen	valley bottom
1227695	448910	7091728	754	1-Sep-11	James and Kevin	50-60	c	dk grey	30					70	weathered bedrock	moist	evergreen	mid slope
1227696	448958	7091704	749	1-Sep-11	James and Kevin	60-70	c	lt grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1227697	449003	7091680	736	1-Sep-11	James and Kevin	30-40	c	lt grey	10					90	loess	moist	evergreen	valley bottom
1227698	449049	7091658	727	1-Sep-11	James and Kevin	40-50	c	lt grey	10			40		50	loess	frozen	evergreen	valley bottom
1227699	449089	7091633	727	1-Sep-11	James and Kevin	60-70	c	dk grey	10					90	loess	wet	marsh	valley bottom
1227700	449134	7091625	722	1-Sep-11	James and Kevin	30-40	c	dk grey	10					90	loess	wet	marsh	valley bottom
1227701	449175	7091586	720	1-Sep-11	James and Kevin	40-50	c	lt grey	20			20		60	loess	wet	marsh	valley bottom
1227702	449222	7091565	720	1-Sep-11	James and Kevin	30-40	c	lt grey		10				90	loess	moist	marsh	valley bottom
1227703	446328	7091359	1183	2-Sep-11	James	30-40	c	lt brown		30		30		40	weathered bedrock	moist	buck brush	ridge top

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1227704	446364	7091319	1175	2-Sep-11	James	30-40	c	lt brown				60		40	weathered bedrock	moist	buck brush	mid slope
1227705	446401	7091286	1168	2-Sep-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1227706	446435	7091253	1160	2-Sep-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1227707	446472	7091215	1149	2-Sep-11	James	30-40	c	lt brown				60		40	weathered bedrock	moist	buck brush	mid slope
1227708	446506	7091177	1135	2-Sep-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1227709	446541	7091147	1124	2-Sep-11	James	30-40	c	lt brown				60		40	weathered bedrock	moist	buck brush	mid slope
1227710	446580	7091113	1113	2-Sep-11	James	30-40	c	lt brown	20	10		40		30	weathered bedrock	dry	buck brush	mid slope
1227711	446613	7091078	1102	2-Sep-11	James	30-40	c	lt brown		25		50		25	weathered bedrock	dry	buck brush	mid slope
1227712	446655	7091046	1089	2-Sep-11	James	30-40	c	lt brown		30		50		30	weathered bedrock	dry	buck brush	mid slope
1227713	446686	7091010	1079	2-Sep-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1227714	446723	7090975	1065	2-Sep-11	James	30-40	c	lt brown		20		50		30	weathered bedrock	moist	buck brush	mid slope
1227715	446755	7090936	1050	2-Sep-11	James	30-40	c	lt brown	10	20		40		30	weathered bedrock	moist	buck brush	mid slope
1227716	446794	7090902	1041	2-Sep-11	James	20-30	c	lt brown				50		50	weathered bedrock	moist	buck brush	mid slope
1227717	446832	7090871	1026	2-Sep-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	buck brush	mid slope
1227718	446867	7090839	1017	2-Sep-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1227719	446903	7090801	1006	2-Sep-11	James	30-40	c	lt brown		25		50		25	weathered bedrock	moist	evergreen	mid slope
1227720	446937	7090764	996	2-Sep-11	James	40-50	c	lt brown		25		50		25	weathered bedrock	moist	buck brush	mid slope
1227721	446971	7090728	990	2-Sep-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	mid slope
1227722	447011	7090692	981	2-Sep-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1227723	447044	7090653	972	2-Sep-11	James	30-40	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1227724	447079	7090621	968	2-Sep-11	James	40-50	c	lt brown				20		80	weathered bedrock	moist	evergreen	mid slope
1227725	447115	7090587	964	2-Sep-11	James	40-50	c	lt grey				30		70	weathered bedrock	moist	evergreen	mid slope
1227726	447152	7090553	963	2-Sep-11	James	30-40	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1227727	447189	7090518	962	2-Sep-11	James	30-40	c	lt brown				30		70	weathered bedrock	moist	evergreen	mid slope
1227728	447236	7090507	965	2-Sep-11	James	30-40	c	lt brown		20		30		50	weathered bedrock	moist	evergreen	ridge top
1227729	447287	7090485	968	2-Sep-11	James	30-40	c	lt brown	10	30		30		30	weathered bedrock	moist	buck brush	ridge top
1227730	447328	7090468	970	2-Sep-11	James	30-40	c	lt brown		40		30		30	weathered bedrock	moist	buck brush	ridge top
1227731	447376	7090458	970	2-Sep-11	James	30-40	c	lt brown		25		25		50	weathered bedrock	moist	buck brush	ridge top
1227732	447431	7090435	971	2-Sep-11	James	20-30	c	lt brown		20		40		40	weathered bedrock	moist	buck brush	ridge top
1227733	447472	7090416		2-Sep-11	James	30-40	c	lt brown		20		40		40	weathered bedrock	moist	evergreen	ridge top
1227734	447517	7090396	973	2-Sep-11	James	40-50	c	lt brown	20			60		20	weathered bedrock	moist	buck brush	ridge top
1227735	447565	7090380	971	2-Sep-11	James	30-40	c	lt brown				20		80	weathered bedrock	moist	buck brush	ridge top
1227736	447611	7090364	967	2-Sep-11	James	30-40	c	dk brown		10		20		70	weathered bedrock	moist	buck brush	ridge top
1227737	447661	7090344	964	2-Sep-11	Kevin	40-50	c	lt brown		25				75	weathered bedrock	moist	deciduous	ridge top
1227738	447699	7090319	963	2-Sep-11	Kevin	40-50	c	olive grey		20				80	weathered bedrock	moist	evergreen	mid slope
1227739	447724	7090275	960	2-Sep-11	Kevin	30-40	c	lt brown		30				70	weathered bedrock	moist	evergreen	mid slope
1227740	447739	7090225	957	2-Sep-11	Kevin	40-50	c	lt brown		25				75	weathered bedrock	moist	evergreen	mid slope
1227741	447765	7090183	951	2-Sep-11	Kevin	30-40	c	lt brown		30				70	weathered bedrock	moist	evergreen	mid slope
1227742	447785	7090137	943	2-Sep-11	Kevin	30-40	c	dk brown		30				70	weathered bedrock	moist	evergreen	mid slope
1227743	447806	7090087	935	2-Sep-11	Kevin	40-50	c	olive grey		30				70	weathered bedrock	moist	evergreen	mid slope
1227744	447826	7090045	935	2-Sep-11	Kevin	40-50	c	lt grey		30				70	weathered bedrock	moist	evergreen	mid slope
1227745	447845	7089998	932	2-Sep-11	Kevin	40-50	c	lt brown		30				70	weathered bedrock	moist	evergreen	mid slope
1227746	447871	7089955	925	2-Sep-11	Kevin	40-50	c	lt brown		30				70	weathered bedrock	moist	evergreen	mid slope
1227747	447896	7089909	916	2-Sep-11	Kevin	40-50	c	lt brown		10		20		70	weathered bedrock	moist	evergreen	mid slope
1227748	447920	7089872	913	2-Sep-11	Kevin	30-40	c	lt brown		25				75	weathered bedrock	moist	evergreen	mid slope
1227749	447941	7089828	904	2-Sep-11	Kevin	30-40	c	lt grey		25				75	weathered bedrock	moist	evergreen	mid slope
1227750	447970	7089780	893	2-Sep-11	Kevin	50-60	c	lt grey						100	weathered bedrock	dry	deciduous	mid slope
1227751	447990	7089739	886	2-Sep-11	Kevin	30-40	c	lt brown						100	weathered bedrock	dry	evergreen	mid slope
1227752	448020	7089690	873	2-Sep-11	Kevin	20-30	c	yellowish orange		20				80	weathered bedrock	dry	deciduous	mid slope
1227753	448065	7089611	837	2-Sep-11	Kevin	20-30	c	lt brown	5	10				85	weathered bedrock	dry	deciduous	mid slope
1227754	448106	7089520	801	2-Sep-11	Kevin	20-30	c	lt grey	20	5				75	weathered bedrock	dry	deciduous	mid slope
1227755	448153	7089428	773	2-Sep-11	Kevin	40-50	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1227756	448187	7089334	754	2-Sep-11	Kevin	30-40	c	lt brown		20				80	weathered bedrock	dry	evergreen	mid slope
1227757	448238	7089246	742	2-Sep-11	Kevin	40-50	c	lt grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1227758	448277	7089152	727	2-Sep-11	Kevin	40-50	c	lt grey		15				85	weathered bedrock	moist	evergreen	mid slope
1227759	448317	7089061	716	2-Sep-11	Kevin	40-50	c	dk brown	40					60	loess	moist	evergreen	mid slope
1227760	448354	7088975	705	2-Sep-11	Kevin	50-60	c	dk grey				30		70	loess	wet	evergreen	mid slope
1227761	448420	7088896	692	2-Sep-11	Kevin	70-80	c	lt brown						100	loess	wet	marsh	mid slope
1227762	448485	7088818	693	2-Sep-11	Kevin	40-50	c	lt grey		15				85	weathered bedrock	moist	evergreen	valley bottom

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1227763	448544	7088745	675	2-Sep-11	Kevin	60-70	c	dk grey		20				80	loess	wet	marsh	valley bottom
1227764	448617	7088669	668	2-Sep-11	Kevin	40-50	c	lt grey	5					95	loess	wet	marsh	valley bottom
1227765	448686	7088595	658	2-Sep-11	Kevin	50-60	c	lt grey		20				80	loess	wet	marsh	valley bottom
1227766	448740	7088530	647	2-Sep-11	Kevin	30-40	c	yellowish orange	5	10				85	weathered bedrock	moist	deciduous	mid slope
1228001	446456	7089171	967	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	40	5	40	loess	moist	deciduous	mid slope
1228002	446468	7089071	926	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			5	50	5	40	loess	moist	deciduous	mid slope
1228003	446470	7088990	902	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		5		45	5	45	loess	moist	deciduous	mid slope
1228004	446526	7088877	860	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown		10	5	40	5	40	loess	moist	deciduous	mid slope
1228005	446568	7088792	830	2-Sep-11	Kaylee and Austin	40-50	b/c	dk brown	10	10	10	40		30	loess	moist	deciduous	mid slope
1228006	446609	7088692	794	2-Sep-11	Kaylee and Austin	40-50	c	lt brown		10	10	55	5	20	loess	moist	deciduous	mid slope
1228007	446630	7088590	765	2-Sep-11	Kaylee and Austin	50-60	c	black	40	10	10	10	10	20	loess	partially frozen	deciduous	mid slope
1228008	446645	7088483	749	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	10		10	30	10	40	loess	moist	deciduous	mid slope
1228009	446665	7088380	736	2-Sep-11	Kaylee and Austin	40-50	b/c	dk brown		10	10	30	10	40	loess	moist	deciduous	mid slope
1228010	446683	7088293	724	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey		5	5	30	10	50	loess	moist	deciduous	mid slope
1228011	446730	7088184	713	2-Sep-11	Kaylee and Austin	40-50	b/c	lt brown			10	40	10	40	loess	moist	deciduous	mid slope
1228012	446733	7088100	701	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	10		10	30		50	loess	moist	deciduous	mid slope
1228013	446759	7087992	688	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey		10	10	20	10	50	loess	moist	deciduous	mid slope
1228014	446769	7087895	678	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	25			20	5	50	loess	moist	deciduous	mid slope
1228015	446810	7087812	671	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	20		10	30	10	30	loess	moist	deciduous	mid slope
1228016	446873	7087704	658	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	20		10	30		40	loess	moist	deciduous	mid slope
1228017	446912	7087587	642	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	20		10	30	10	30	loess	moist	deciduous	mid slope
1228018	446921	7087465	628	2-Sep-11	Kaylee and Austin	40-50	b/c	dk grey	20	5	5	20	10	40	loess	moist	deciduous	mid slope
1228019	446905	7087383	618	2-Sep-11	Kaylee and Austin	50-60	b/c	dk grey	30	10		20	20	20	loess	saturated	deciduous	mid slope
1228501	439249	7086189	957	29-Aug-11	Kevin	30-40	b/c	lt brown		20				80	weathered bedrock	moist	evergreen	mid slope
1228502	439248	7086138	944	29-Aug-11	Kevin	40-50	c	dk grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228503	439247	7086091	934	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228504	439253	7086042	927	29-Aug-11	Kevin	40-50	c	dk grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228505	439264	7085993	910	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228506	439281	7085944	898	29-Aug-11	Kevin	40-50	c	lt grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228507	439285	7085892	886	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228508	439290	7085844	876	29-Aug-11	Kevin	30-40	c	dk brown		15				85	weathered bedrock	moist	evergreen	mid slope
1228509	439303	7085792	861	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228510	439304	7085743	851	29-Aug-11	Kevin	40-50	c	dk grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228511	439316	7085698	842	29-Aug-11	Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1228512	439329	7085650	824	29-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1228513	439341	7085600	814	29-Aug-11	Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1228514	439345	7085544	805	29-Aug-11	Kevin	50-60	c	dk brown	20					80	weathered bedrock	moist	evergreen	mid slope
1228515	439355	7085500	798	29-Aug-11	Kevin	50-60	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228516	439357	7085439	789	29-Aug-11	Kevin	40-50	c	dk grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228517	439371	7085398	774	29-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1228518	439372	7085351	761	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228519	439386	7085305	746	29-Aug-11	Kevin	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228520	439393	7085249	736	29-Aug-11	Kevin	40-50	c	lt grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1228521	439402	7085200	724	29-Aug-11	Kevin	40-50	c	lt grey		10			10	80	weathered bedrock	moist	evergreen	mid slope
1228522	439412	7085154	723	29-Aug-11	Kevin	50-60	c	lt grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228523	439422	7085090	705	29-Aug-11	Kevin	20-30	c	lt grey	20	10				70	weathered bedrock	moist	evergreen	mid slope
1228524	439430	7085053	687	29-Aug-11	Kevin	20-30	c	lt grey	30	5			5	60	weathered bedrock	dry	evergreen	mid slope
1228525	439446	7084991	673	29-Aug-11	Kevin	30-40	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228526	439442	7084950		29-Aug-11	Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope
1228527	444183	7090432	1210	30-Aug-11	Lukas and Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	buck brush	ridge top
1228528	444158	7090392	1209	30-Aug-11	Lukas and Kevin	30-40	c	lt brown		5				95	weathered bedrock	moist	buck brush	ridge top
1228529	444147	7090349	1205	30-Aug-11	Lukas and Kevin	30-40	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	ridge top
1228530	444124	7090301	1196	30-Aug-11	Lukas and Kevin	30-40	c	lt brown	5					95	weathered bedrock	moist	buck brush	ridge top
1228531	444091	7090261	1186	30-Aug-11	Lukas and Kevin	30-40	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	ridge top
1228532	444070	7090216	1174	30-Aug-11	Lukas and Kevin	30-40	c	lt brown		5				95	weathered bedrock	moist	buck brush	mid slope
1228533	444046	7090172	1164	30-Aug-11	Lukas and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228534	444031	7090126	1152	30-Aug-11	Lukas and Kevin	50-60	c	lt grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228535	444001	7090092	1144	30-Aug-11	Lukas and Kevin	30-40	c	lt brown		5				95	weathered bedrock	moist	buck brush	mid slope
1228536	443980	7090040	1135	30-Aug-11	Lukas and Kevin	20-30	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228537	443952	7090002	1122	30-Aug-11	Lukas and Kevin	30-40	c	olive grey	10	10				80	weathered bedrock	moist	buck brush	mid slope
1228538	443922	7089953	1112	30-Aug-11	Lukas and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228539	443900	7089913	1103	30-Aug-11	Lukas and Kevin	30-40	c	olive grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228540	443871	7089870	1095	30-Aug-11	Lukas and Kevin	40-50	c	olive grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228541	443846	7089824	1085	30-Aug-11	Lukas and Kevin	50-60	c	lt brown						100	weathered bedrock	moist	evergreen	mid slope
1228542	443826	7089776	1076	30-Aug-11	Lukas and Kevin	30-40	c	olive grey						100	weathered bedrock	moist	buck brush	mid slope
1228543	443796	7089738	1068	30-Aug-11	Lukas and Kevin	50-60	c	lt brown		5				95	weathered bedrock	moist	deciduous	mid slope
1228544	443767	7089693	1062	30-Aug-11	Lukas and Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228545	443760	7089645	1058	30-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	10				85	weathered bedrock	moist	buck brush	mid slope
1228546	443748	7089600	1050	30-Aug-11	Lukas and Kevin	70-80	c	dk grey		5				95	weathered bedrock	moist	buck brush	mid slope
1228547	443734	7089547	1042	30-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	mid slope
1228548	443726	7089499	1038	30-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	10				85	weathered bedrock	moist	buck brush	mid slope
1228549	443712	7089446	1026	30-Aug-11	Lukas and Kevin	30-40	c	greenish grey	20	5				75	weathered bedrock	moist	buck brush	mid slope
1228550	443704	7089398	1016	30-Aug-11	Lukas and Kevin	40-50	c	dk grey	5	15				80	weathered bedrock	moist	buck brush	mid slope
1228551	443694	7089348	1008	30-Aug-11	Lukas and Kevin	50-60	c	dk grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228552	443681	7089300	1000	30-Aug-11	Lukas and Kevin	40-50	c	lt grey	5	10				85	weathered bedrock	moist	buck brush	mid slope
1228553	443678	7089253	989	30-Aug-11	Lukas and Kevin	50-60	c	lt grey	10	30				60	weathered bedrock	wet	buck brush	mid slope
1228554	443663	7089204	980	30-Aug-11	Lukas and Kevin	60-70	c	dk grey	10	20				70	weathered bedrock	wet	buck brush	mid slope
1228555	443640	7089145	967	30-Aug-11	Lukas and Kevin	40-50	c	greenish grey	5	15				80	loess	wet	buck brush	mid slope
1228556	443641	7089103	960	30-Aug-11	Lukas and Kevin	60-70	c	dk grey	5	15				80	loess	wet	buck brush	mid slope
1228557	443625	7089056	953	30-Aug-11	Lukas and Kevin	40-50	c	dk grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228558	443615	7089008	954	30-Aug-11	Lukas and Kevin	30-40	c	lt grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228559	443612	7088957	941	30-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228560	443595	7088909	935	30-Aug-11	Lukas and Kevin	30-40	c	lt brown	10	10				80	weathered bedrock	moist	buck brush	mid slope
1228561	443587	7088858	925	30-Aug-11	Lukas and Kevin	40-50	c	lt brown		15				85	weathered bedrock	moist	deciduous	mid slope
1228562	443571	7088811	911	30-Aug-11	Lukas and Kevin	40-50	c	lt brown	10	10				80	weathered bedrock	moist	deciduous	mid slope
1228563	443563	7088763	899	30-Aug-11	Lukas and Kevin	30-40	c	dk grey	5	15				80	weathered bedrock	moist	evergreen	mid slope
1228564	443554	7088715	888	30-Aug-11	Lukas and Kevin	40-50	c	dk brown	30	10				60	weathered bedrock	moist	deciduous	mid slope
1228565	443571	7088666	871	30-Aug-11	Lukas and Kevin	30-40	c	lt grey	5	10		10		75	weathered bedrock	moist	deciduous	mid slope
1228566	443586	7088625	863	30-Aug-11	Lukas and Kevin	30-40	c	lt grey	10	10				80	weathered bedrock	moist	deciduous	mid slope
1228567	443602	7088565	841	30-Aug-11	Lukas and Kevin	>80	c	greenish grey	20	10				70	weathered bedrock	moist	deciduous	mid slope
1228568	443612	7088522	827	30-Aug-11	Lukas and Kevin	40-50	c	greenish grey	10	5				85	weathered bedrock	moist	deciduous	mid slope
1228569	443629	7088473	817	30-Aug-11	Lukas and Kevin	30-40	c	lt brown	5	5		15		75	weathered bedrock	moist	evergreen	mid slope
1228570	443646	7088424	809	30-Aug-11	Lukas and Kevin	30-40	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228571	443658	7088378	806	30-Aug-11	Lukas and Kevin	50-60	c	dk grey	5					95	weathered bedrock	moist	deciduous	mid slope
1228572	443669	7088333	797	30-Aug-11	Lukas and Kevin	40-50	c	lt brown	5	5				90	weathered bedrock	moist	deciduous	mid slope
1228573	444305	7090423	1211	31-Aug-11	Kevin	20-30	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	mid slope
1228574	444305	7090371	1195	31-Aug-11	Kevin	30-40	c	olive grey		5				95	weathered bedrock	moist	buck brush	mid slope
1228575	444312	7090321	1186	31-Aug-11	Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228576	444314	7090273	1179	31-Aug-11	Kevin	40-50	c	lt brown		15				85	weathered bedrock	moist	buck brush	mid slope
1228577	444317	7090221	1167	31-Aug-11	Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228578	444320	7090174	1153	31-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228579	444325	7090122	1138	31-Aug-11	Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228580	444324	7090077	1128	31-Aug-11	Kevin	30-40	c	lt brown		10		5		85	weathered bedrock	moist	buck brush	mid slope
1228581	444330	7090025	1120	31-Aug-11	Kevin	30-40	c	lt grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228582	444332	7089972	1111	31-Aug-11	Kevin	40-50	c	lt brown		15				85	weathered bedrock	moist	buck brush	mid slope
1228583	444342	7089925	1101	31-Aug-11	Kevin	40-50	c	lt grey		10				90	weathered bedrock	moist	buck brush	mid slope
1228584	444344	7089866	1089	31-Aug-11	Kevin	40-50	c	lt brown		20				80	weathered bedrock	moist	buck brush	mid slope
1228585	444346	7089827	1082	31-Aug-11	Kevin	50-60	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228586	444368	7089777	1070	31-Aug-11	Kevin	40-50	c	lt brown		15				85	weathered bedrock	moist	buck brush	mid slope
1228587	444394	7089738	1058	31-Aug-11	Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228588	444415	7089695	1048	31-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	buck brush	mid slope
1228589	444444	7089653	1036	31-Aug-11	Kevin	40-50	c	lt brown		10		5		85	weathered bedrock	moist	deciduous	mid slope
1228590	444470	7089601	1022	31-Aug-11	Kevin	40-50	c	lt brown		20				80	weathered bedrock	moist	deciduous	mid slope
1228591	444501	7089562	1012	31-Aug-11	Kevin	30-40	c	yellowish orange		10		10		80	weathered bedrock	moist	deciduous	mid slope
1228592	444532	7089521	994	31-Aug-11	Kevin	40-50	c	yellowish orange		20				80	weathered bedrock	moist	deciduous	mid slope
1228593	444551	7089480	973	31-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228594	444585	7089441	959	31-Aug-11	Kevin	30-40	c	dk brown	5	20				75	weathered bedrock	moist	evergreen	mid slope
1228595	444603	7089393	944	31-Aug-11	Kevin	40-50	c	lt grey		15				85	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228596	444613	7089342	931	31-Aug-11	Kevin	40-50	c	olive grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228597	444610	7089293	922	31-Aug-11	Kevin	50-60	c	lt grey		15				85	weathered bedrock	moist	deciduous	mid slope
1228598	444603	7089241	908	31-Aug-11	Kevin	40-50	c	lt brown		20				80	weathered bedrock	moist	deciduous	mid slope
1228599	444597	7089194	894	31-Aug-11	Kevin	no sample												
1228600	444600	7089150	876	31-Aug-11	Kevin	50-60	c	lt brown		10				90	weathered bedrock	dry	deciduous	mid slope
1228601	444603	7089094	852	31-Aug-11	Kevin	30-40	c	lt grey		15				85	weathered bedrock	moist	deciduous	mid slope
1228602	444595	7089053	822	31-Aug-11	Kevin	no sample												
1228603	444582	7088946	809	31-Aug-11	Kevin	70-80	c	dk grey		20				80	loess	wet	buck brush	mid slope
1228604	444576	7088899	821	31-Aug-11	Kevin	50-60	c	lt grey		10		10		80	weathered bedrock	moist	buck brush	mid slope
1228605	444568	7088845	828	31-Aug-11	Kevin	50-60	c	dk brown	30					70	weathered bedrock	moist	buck brush	mid slope
1228606	444570	7088798	841	31-Aug-11	Kevin	70-80	c	dk brown	20					80	loess	wet	buck brush	mid slope
1228607	444557	7088746	842	31-Aug-11	Kevin	50-60	c	dk grey	5	20				75	weathered bedrock	moist	evergreen	mid slope
1228608	444548	7088695	846	31-Aug-11	Kevin	40-50	c	lt grey		20				80	weathered bedrock	moist	evergreen	mid slope
1228609	444546	7088648	846	31-Aug-11	Kevin	60-70	c	dk grey	10	15				75	weathered bedrock	moist	evergreen	mid slope
1228610	444531	7088602	842	31-Aug-11	Kevin	50-60	c	dk brown	30					70	loess	frozen	evergreen	mid slope
1228701	438414	7089197	961	28-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228702	438452	7089235	964	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228703	438488	7089264	959	28-Aug-11	Kevin	50-60	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228704	438522	7089299	955	28-Aug-11	Kevin	50-60	c	lt grey		10				90	weathered bedrock	moist	evergreen	valley bottom
1228705	438556	7089334	953	28-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228706	438595	7089371	957	28-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228707	438631	7089408	951	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228708	438663	7089441	950	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228709	438701	7089475	948	28-Aug-11	Kevin	40-50	c	yellowish orange						100	weathered bedrock	moist	evergreen	valley bottom
1228710	438738	7089508	943	28-Aug-11	Kevin	50-60	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228711	438776	7089543	946	28-Aug-11	Kevin	30-40	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228712	438808	7089584	947	28-Aug-11	Kevin	40-50	c	yellowish orange						100	weathered bedrock	moist	evergreen	valley bottom
1228713	438842	7089612	943	28-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228714	438883	7089647	937	28-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228715	438915	7089685	934	28-Aug-11	Kevin	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	valley bottom
1228716	438951	7089720	928	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228717	438992	7089749	922	28-Aug-11	Kevin	40-50	c	dk grey		15				85	weathered bedrock	moist	evergreen	valley bottom
1228718	439028	7089777	915	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228719	439079	7089806	903	28-Aug-11	Kevin	40-50	c	lt brown						100	weathered bedrock	moist	evergreen	valley bottom
1228720	439113	7089832	899	28-Aug-11	Kevin	40-50	c	dk brown						100	weathered bedrock	moist	evergreen	valley bottom
1228721	439156	7089867	884	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228722	439198	7089893	870	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228723	439237	7089919	864	28-Aug-11	Kevin	50-60	c	lt brown		5				95	weathered bedrock	moist	evergreen	valley bottom
1228724	439280	7089948	854	28-Aug-11	Kevin	50-60	c	olive grey						100	weathered bedrock	moist	evergreen	valley bottom
1228725	439319	7089982	845	28-Aug-11	Kevin	50-60	c	lt brown		15				85	weathered bedrock	moist	evergreen	valley bottom
1228726	439365	7089999	833	28-Aug-11	Kevin	40-50	c	lt brown		30				70	weathered bedrock	moist	evergreen	valley bottom
1228727	439405	7090032	820	28-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	valley bottom
1228728	439487	7090087	801	28-Aug-11	Kevin	50-60	c	dk grey	5	25				70	weathered bedrock	wet	evergreen	valley bottom
1228729	439530	7090117	793	28-Aug-11	Kevin	70-80	a/b	dk grey	30	5				65	loess	frozen	evergreen	valley bottom
1228730	439568	7090143	789	28-Aug-11	Kevin	40-50	b	dk grey	20					80	loess	frozen	evergreen	valley bottom
1228731	439612	7090170	787	28-Aug-11	Kevin	40-50	b/c	olive grey	20					80	loess	frozen	evergreen	valley bottom
1228732	439650	7090200	784	28-Aug-11	Kevin	40-50	b/c	lt grey	15					85	loess	frozen	evergreen	valley bottom
1228733	439448	7087065	1078	29-Aug-11	Kevin	30-40	c	lt brown		20				80	weathered bedrock	moist	evergreen	ridge top
1228734	439431	7087014	1079	29-Aug-11	Kevin	40-50	c	yellowish orange						100	weathered bedrock	moist	evergreen	ridge top
1228735	439427	7086969	1077	29-Aug-11	Kevin	30-40	c	yellowish orange	5	20				75	weathered bedrock	moist	evergreen	ridge top
1228736	439417	7086919	1073	29-Aug-11	Kevin	30-40	c	lt brown		20				80	weathered bedrock	moist	evergreen	mid slope
1228737	439403	7086870	1070	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228738	439392	7086820	1060	29-Aug-11	Kevin	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228739	439386	7086768	1057	29-Aug-11	Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228740	439377	7086724	1052	29-Aug-11	Kevin	30-40	c	lt brown		20				80	weathered bedrock	moist	evergreen	mid slope
1228741	439364	7086675	1053	29-Aug-11	Kevin	40-50	c	lt brown		15				85	weathered bedrock	moist	evergreen	mid slope
1228742	439356	7086625	1044	29-Aug-11	Kevin	30-40	c	lt brown		25				75	weathered bedrock	moist	evergreen	mid slope
1228743	439343	7086579	1036	29-Aug-11	Kevin	40-50	c	lt brown	10					90	weathered bedrock	moist	evergreen	mid slope
1228744	439324	7086530	1028	29-Aug-11	Kevin	30-40	c	olive grey		10				90	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228745	439320	7086482	1017	29-Aug-11	Kevin	40-50	c	lt grey		25				75	weathered bedrock	moist	evergreen	mid slope
1228746	439310	7086432	1006	29-Aug-11	Kevin	50-60	c	lt grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228747	439295	7086382	997	29-Aug-11	Kevin	50-60	c	lt brown	15					85	weathered bedrock	moist	evergreen	mid slope
1228748	439284	7086334	985	29-Aug-11	Kevin	40-50	c	lt grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228749	439274	7086285	978	29-Aug-11	Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228750	439267	7086238	962	29-Aug-11	Kevin	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228751	444888	7090891	1176	31-Aug-11	Lukas and Jason	30-40	c	dk brown		15				85	weathered bedrock	moist	evergreen	ridge top
1228752	444933	7090911	1173	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228753	444981	7090924	1175	31-Aug-11	Lukas and Jason	50-60	c	lt brown		20				80	weathered bedrock	moist	buck brush	mid slope
1228754	445028	7090948	1177	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	mid slope
1228755	445073	7090965	1180	31-Aug-11	Lukas and Jason	40-50	c	lt brown		20				80	weathered bedrock	moist	evergreen	mid slope
1228756	445117	7090981	1188	31-Aug-11	Lukas and Jason	30-40	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1228757	445164	7091001	1193	31-Aug-11	Lukas and Jason	30-40	c	lt brown	15	5				80	weathered bedrock	moist	evergreen	mid slope
1228758	445208	7091024	1197	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	buck brush	mid slope
1228759	445252	7091040	1225	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228760	445299	7091061	1213	31-Aug-11	Lukas and Jason	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	mid slope
1228761	445347	7091084	1214	31-Aug-11	Lukas and Jason	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	buck brush	ridge top
1228762	445390	7091102	1216	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	mid slope
1228763	445436	7091121	1218	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10					90	weathered bedrock	moist	buck brush	mid slope
1228764	445482	7091140	1219	31-Aug-11	Lukas and Jason	20-30	c	lt grey	30					70	weathered bedrock	moist	evergreen	ridge top
1228765	445531	7091161	1219	31-Aug-11	Lukas and Jason	40-50	c	lt brown	15					85	weathered bedrock	moist	evergreen	ridge top
1228766	445574	7091184	1218	31-Aug-11	Lukas and Jason	30-40	c	lt grey	10	5				85	weathered bedrock	moist	buck brush	ridge top
1228767	445619	7091202	1217	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10	10				80	weathered bedrock	moist	buck brush	ridge top
1228768	445668	7091217	1214	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5					95	talus	moist	buck brush	ridge top
1228769	445712	7091242	1204	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	talus	moist	evergreen	ridge top
1228770	445765	7091239	1201	31-Aug-11	Lukas and Jason	50-60	c	greenish grey	10	5				85	weathered bedrock	moist	buck brush	ridge top
1228771	445814	7091241	1193	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	ridge top
1228772	445868	7091239	1179	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	buck brush	ridge top
1228773	445915	7091241	1174	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	talus	moist	evergreen	ridge top
1228774	445969	7091248	1176	31-Aug-11	Lukas and Jason	50-60	c	lt brown	5					95	weathered bedrock	moist	evergreen	ridge top
1228775	446015	7091249	1177	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	ridge top
1228776	446066	7091248	1171	31-Aug-11	Lukas and Jason	40-50	c	lt grey	10	10				80	weathered bedrock	moist	evergreen	ridge top
1228777	446104	7091275	1169	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228778	446143	7091307	1171	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228779	446181	7091336	1174	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228780	446220	7091372	1173	31-Aug-11	Lukas and Jason	40-50	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228781	446255	7091406	1173	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228782	446293	7091440	1176	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	mid slope
1228783	446329	7091471	1182	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228784	446367	7091500	1186	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	mid slope
1228785	446405	7091532	1189	31-Aug-11	Lukas and Jason	50-60	c	dk brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228786	446441	7091571	1196	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10	15				75	weathered bedrock	moist	evergreen	ridge top
1228787	446478	7091613	1205	31-Aug-11	Lukas and Jason	30-40	c	lt brown		10				90	weathered bedrock	moist	evergreen	ridge top
1228788	446500	7091651	1202	31-Aug-11	Lukas and Jason	30-40	c	lt brown		15				85	weathered bedrock	moist	evergreen	ridge top
1228789	446528	7091694	1202	31-Aug-11	Lukas and Jason	30-40	c	lt brown	10	10				80	weathered bedrock	moist	evergreen	ridge top
1228790	446558	7091735	1204	31-Aug-11	Lukas and Jason	30-40	c	olive grey	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228791	446596	7091772	1208	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	ridge top
1228792	446618	7091811	1204	31-Aug-11	Lukas and Jason	40-50	c	lt brown	5	10				85	weathered bedrock	moist	evergreen	ridge top
1228793	446651	7091853	1212	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228794	446690	7091892	1215	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228795	446710	7091932	1214	31-Aug-11	Lukas and Jason	50-60	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228796	446741	7091973	1215	31-Aug-11	Lukas and Jason	40-50	c	lt brown		10				90	weathered bedrock	moist	evergreen	ridge top
1228797	446792	7091998	1222	31-Aug-11	Lukas and Jason	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228798	444953	7088675	871	1-Sep-11	Lukas	30-40	c	dk grey	10	10				80	weathered bedrock	moist	evergreen	mid slope
1228799	444929	7088642	871	1-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228800	444897	7088603	869	1-Sep-11	Lukas	30-40	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228801	444864	7088567	872	1-Sep-11	Lukas	40-50	c	lt brown		5				95	weathered bedrock	moist	evergreen	mid slope
1228802	444823	7088535	869	1-Sep-11	Lukas	40-50	c	greenish grey		15				85	weathered bedrock	moist	evergreen	mid slope
1228803	444792	7088498	870	1-Sep-11	Lukas	40-50	c	lt grey		10				90	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228804	444752	7088465	863	1-Sep-11	Lukas	40-50	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228805	444715	7088425	858	1-Sep-11	Lukas	40-50	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	mid slope
1228806	444677	7088395	856	1-Sep-11	Lukas	40-50	c	greenish grey	5	5		5		85	weathered bedrock	moist	evergreen	mid slope
1228807	444654	7088358	847	1-Sep-11	Lukas	30-40	c	lt brown	5	10		5		80	weathered bedrock	moist	deciduous	mid slope
1228808	444609	7088325	841	1-Sep-11	Lukas	30-40	c	lt brown	5	5		80		10	weathered bedrock	moist	deciduous	mid slope
1228809	444574	7088290	827	1-Sep-11	Lukas	30-40	c	lt brown	15			15		70	weathered bedrock	moist	evergreen	mid slope
1228810	444537	7088253	817	1-Sep-11	Lukas	40-50	c	lt brown	10	10		10		70	weathered bedrock	moist	evergreen	mid slope
1228811	444503	7088223	801	1-Sep-11	Lukas	30-40	c	dk brown				30		70	weathered bedrock	moist	evergreen	mid slope
1228812	444450	7088139	764	1-Sep-11	Lukas	30-40	c	dk brown	10	10				80	weathered bedrock	moist	deciduous	mid slope
1228813	444420	7088084	748	1-Sep-11	Lukas	20-30	c	dk grey	35	5				60	weathered bedrock	moist	deciduous	mid slope
1228814	444400	7088047	739	1-Sep-11	Lukas	30-40	c	greenish grey	10	5		10		25	weathered bedrock	moist	evergreen	mid slope
1228815	444372	7088009	728	1-Sep-11	Lukas	40-50	c	dk brown	15			15		70	weathered bedrock	moist	evergreen	mid slope
1228816	444347	7087958	720	1-Sep-11	Lukas	60-70	c	greenish grey	5			5		90	weathered bedrock	moist	evergreen	mid slope
1228817	444330	7087913	715	1-Sep-11	Lukas	50-60	c	dk grey						100	weathered bedrock	moist	evergreen	mid slope
1228818	444303	7087870	715	1-Sep-11	Lukas	50-60	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1228819	444280	7087830	716	1-Sep-11	Lukas	30-40	c	lt brown	10	5				85	weathered bedrock	moist	deciduous	mid slope
1228820	444274	7087722	699	1-Sep-11	Lukas	30-40	c	lt brown	20			10		70	weathered bedrock	moist	evergreen	mid slope
1228821	444268	7087675	687	1-Sep-11	Lukas	40-50	c	greenish grey	5			20		75	weathered bedrock	moist	evergreen	mid slope
1228822	444263	7087633	679	1-Sep-11	Lukas	40-50	c	greenish grey				10		90	weathered bedrock	moist	evergreen	mid slope
1228823	444254	7087576	666	1-Sep-11	Lukas	30-40	c	greenish grey	5			20		75	weathered bedrock	moist	evergreen	mid slope
1228824	444257	7087522	659	1-Sep-11	Lukas	40-50	c	greenish grey				10		90	weathered bedrock	moist	evergreen	mid slope
1228825	444244	7087479	652	1-Sep-11	Lukas	40-50	c	greenish grey				20		80	weathered bedrock	moist	evergreen	mid slope
1228826	444249	7087427	646	1-Sep-11	Lukas	30-40	c	greenish grey	5			5		90	weathered bedrock	moist	evergreen	mid slope
1228827	444252	7087374	643	1-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228828	444243	7087325	635	1-Sep-11	Lukas	40-50	c	greenish grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1228829	444239	7087271	632	1-Sep-11	Lukas	50-60	c	greenish grey	10					90	weathered bedrock	moist	evergreen	valley bottom
1228830	444228	7087211	628	1-Sep-11	Lukas	60-70	c	greenish grey	30					70	weathered bedrock	moist	evergreen	valley bottom
1228831	444230	7087191	628	1-Sep-11	Lukas	50-60	c	dk brown	30					70	weathered bedrock	moist	evergreen	valley bottom
1228832	444224	7087136	618	1-Sep-11	Lukas	30-40	c	greenish grey	10			10		80	weathered bedrock	moist	evergreen	valley bottom
1228833	444222	7087033	608	1-Sep-11	Lukas	40-50	c	dk grey	30					70	weathered bedrock	moist	evergreen	valley bottom
1228834	447753	7090346	959	2-Sep-11	Lukas	30-40	c	lt brown	5	5				90	weathered bedrock	moist	evergreen	ridge top
1228835	447809	7090372	955	2-Sep-11	Lukas	20-30	c	lt brown	10					90	weathered bedrock	moist	evergreen	ridge top
1228836	447853	7090393	948	2-Sep-11	Lukas	40-50	c	lt brown	5					95	weathered bedrock	moist	evergreen	ridge top
1228837	447895	7090406	944	2-Sep-11	Lukas	20-30	c	lt brown	5	15				80	weathered bedrock	moist	evergreen	ridge top
1228838	447945	7090420	940	2-Sep-11	Lukas	40-50	c	greenish grey	5	15				80	weathered bedrock	moist	buck brush	ridge top
1228839	447988	7090448	935	2-Sep-11	Lukas	40-50	c	lt grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228840	448034	7090469	931	2-Sep-11	Lukas	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228841	448078	7090489	924	2-Sep-11	Lukas	40-50	c	greenish grey	5	5		5		85	weathered bedrock	moist	evergreen	mid slope
1228842	448128	7090517	919	2-Sep-11	Lukas	40-50	c	greenish grey		5				95	weathered bedrock	moist	evergreen	mid slope
1228843	448170	7090541	914	2-Sep-11	Lukas	40-50	c	lt brown				15		85	weathered bedrock	moist	evergreen	mid slope
1228844	448211	7090558	909	2-Sep-11	Lukas	50-60	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228845	448255	7090580	903	2-Sep-11	Lukas	60-70	c	greenish grey				10		90	weathered bedrock	part. Frozen	evergreen	mid slope
1228846	448298	7090608	898	2-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228847	448341	7090633	892	2-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228848	448387	7090659	883	2-Sep-11	Lukas	30-40	c	lt brown				10		90	weathered bedrock	moist	evergreen	mid slope
1228849	448426	7090680	877	2-Sep-11	Lukas	40-50	c	greenish grey				5		95	weathered bedrock	moist	evergreen	mid slope
1228850	448474	7090708	870	2-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228851	448522	7090729	863	2-Sep-11	Lukas	50-60	c	greenish grey	5			5		90	weathered bedrock	moist	evergreen	mid slope
1228852	448564	7090749	854	2-Sep-11	Lukas	60-70	c	greenish grey	10					90	weathered bedrock	part. Frozen	evergreen	mid slope
1228853	448607	7090770	848	2-Sep-11	Lukas	50-60	c	greenish grey						100	weathered bedrock	moist	evergreen	mid slope
1228854	448655	7090803	840	2-Sep-11	Lukas	40-50	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228855	448698	7090820	835	2-Sep-11	Lukas	50-60	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228856	448744	7090845	827	2-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228857	448787	7090868	826	2-Sep-11	Lukas	40-50	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228858	448826	7090889	818	2-Sep-11	Lukas	40-50	c	greenish grey		5				95	weathered bedrock	moist	evergreen	mid slope
1228859	448877	7090911	808	2-Sep-11	Lukas	70-80	c	greenish grey	15					85	weathered bedrock	moist	evergreen	mid slope
1228860	448922	7090931	801	2-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228861	448967	7090947	792	2-Sep-11	Lukas	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228862	449015	7090962	776	2-Sep-11	Lukas	20-30	c	greenish grey	15	5		5		80	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Sample Depth (cm)	Horizon	Colour	Composition						Parent Material	Moisture Content	Vegetation Cover	Topo Position
									Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1228863	449061	7090974	776	2-Sep-11	Lukas	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228864	449107	7090992	772	2-Sep-11	Lukas	30-40	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	mid slope
1228865	449157	7091017	765	2-Sep-11	Lukas	40-50	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228866	449197	7091039	758	2-Sep-11	Lukas	20-30	c	greenish grey	10	5		10		75	weathered bedrock	moist	evergreen	mid slope
1228867	449240	7091071	745	2-Sep-11	Lukas	50-60	c	greenish grey	25					75	weathered bedrock	moist	evergreen	mid slope
1228868	449280	7091091	737	2-Sep-11	Lukas	40-50	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228869	449322	7091120	723	2-Sep-11	Lukas	60-70	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228870	449363	7091145	707	2-Sep-11	Lukas	50-60	c	greenish grey	5	10				85	weathered bedrock	moist	evergreen	mid slope
1228871	449410	7091176	694	2-Sep-11	Lukas	50-60	c	greenish grey	15	10				75	weathered bedrock	moist	evergreen	mid slope
1228872	449449	7091202	686	2-Sep-11	Lukas	60-70	c	greenish grey	25					75	weathered bedrock	moist	evergreen	mid slope
1228873	449495	7091232	682	2-Sep-11	Lukas	50-60	c	greenish grey	5	5				90	weathered bedrock	moist	evergreen	mid slope
1228874	449528	7091229	677	2-Sep-11	Lukas	50-60	c	greenish grey	10	5				85	weathered bedrock	moist	evergreen	mid slope

Appendix II: Silt Sample Descriptions

Silt Sample Descriptions

UTM NAD83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Property	Sample Environment	Medium	Medium depth (m)	Medium width (m)	Bank type	Water colour	Vegetation Cover
1225901	437141	7085188	829	27-Aug-11	Dan	MQ	slow stream	stream	0.1	0.3	organics	clear	buck brush
1225902	436933	7083915	640	27-Aug-11	Dan	MQ	low energy zone	creek	0.3	3	organics	clear	buck brush, coniferous
1225903	438624	7084835	650	29-Aug-11	Dan	MQ	low energy zone	creek	0.1	1.5	organics	clear	deciduous
1225904	448413	7091704	810	1-Sep-11	Dan	MQ	trickling stream	stream	0.5	0.5	organics	clear	buck brush, coniferous
1225905	449005	7091955	747	2-Sep-11	Dan	MQ	trickling stream	stream	0.1	0.4	organics	clear	buck brush, coniferous
1225701	439679	7089136	818	28-Aug-11	Michael	MQ	slow stream	creek	0.2	0.3	organics	clear	black spruce, moss
1225702	439434	7089192	820	28-Aug-11	Michael	MQ	slow stream	creek	0.2	0.4	organics	clear	black spruce, moss
1225703	443953	7087872	669	30-Aug-11	Michael	MQ	slow stream	creek	0.2	0.5	organics	clear	buck brush, coniferous
1225704	448155	7091272	724	2-Sep-11	Michael	MQ	low energy zone	creek	0.2	1	organics	clear	buck brush, coniferous
1222116	445186	7090055	1018	31-Aug-11	Richard	MQ	low energy zone	creek	0.2	1	organics	clear	buck brush, coniferous
1222117	444879	7089535	879	31-Aug-11	Richard	MQ	low energy zone	creek	0.2	1	organics	clear	buck brush, coniferous
1222118	444156	7088436	736	1-Sep-11	Richard	MQ	low energy zone	creek	0.2	1	organics	clear	buck brush, coniferous

Appendix III: Rock Sample Descriptions

Rock Sample Descriptions

UTM NAD83 Zone 8

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

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Property	Description
1222200	440324	7087703	1055	28-Aug-11	Moses	MQ	Isoclinal fold, slight oxidation on cross joints, dark grey colour, no visible sulhpdies. Lots of SiO2 in the rock. Subcrop.
1222739	445077	7089830	719	31-Aug-11	Richard	MQ	Hand dug pit. Several qtz boulders, rusted/vugs.
1222740	444803	7089182	717	31-Aug-11	Richard	MQ	Hand dug pit. Mud slide. Several large 1x6 foot boulders of qtz chlorite schist.
1222741	445059	7089753	715	31-Aug-11	Richard	MQ	Subcrop. 2ft wide qtz vein, suspect stockwork, spec galena.
1222742	444615	7088585	716	31-Aug-11	Richard	MQ	Subcrop. 2ft wide quartz vein. Some rust, and metallic mineral.
1222743	441607	7089310	732	1-Sep-11	Richard	MQ	Grabs from past placer operation. Purple colour. Dike, remelt? Epidote and magnetite. Tempered rock, very brittle.
1222744	441607	7089310	732	1-Sep-11	Richard	MQ	Metasediment. Good pyrite mineralization with quartz. Also observed stockwork in area (cross-structures).
1224360	438631	7084884	680	29-Aug-11	Dan	MQ	15cm quartz veining in a mica-graphite-schist outcrop. Dipping north. QV has no orientation, like stockwork. Some rusty oxidation. This sample has galena cubes up to 3mm in rusty QV. Fine to med grain galena, about .5% or less.
1224361	438631	7084884	680	29-Aug-11	Dan	MQ	Fresh, unoxidized pyrite in quartz vein (about 1m from 1224360 in same OC).
1224362	438631	7084884	680	29-Aug-11	Dan	MQ	Same OC as above, QV with minor fine galena and partially oxidized, partially fresh py, maybe trace cpy.
1224363	438692	7085002	736	31-Aug-11	Dan	MQ	Metased quartzite outcrop in series of ridge OC. Sample is 10cm qtz vein with rusted out sulfide pockets. There is one cpy grain left fresh, 3mm, surrounded by a green staining either from the copper or scorodite.
1224364	448835	7091658	756	1-Sep-11	Dan	MQ	Small, 1x1m OC on side hill off claims. This sample is first bit of rusty talus seen. Quartzite with red oxidized weathering. 0.4cm wide yellow sulfur vein with stibnite mineralization
1224365	448835	7091658	756	1-Sep-11	Dan	MQ	Quartzite with 1cm vein of sulfur+stibnite running throughout. Subcrop, but probably a boulder. Moderately foliated.
1224366	448835	7091658	756	1-Sep-11	Dan	MQ	Also from subcrop/boulder, half meter from 1224365, dug up. Sulfur+stibnite looks more pervasive through the rock's groundmass here, less like a vein.
1225401	440386	7087654	1053	28-Aug-11	Moses	MQ	Well oxidized, re-heated quartzite with oxidized small pockets remnant pyrite. Subcrop.
1225402	440529	7087458	1022	28-Aug-11	Moses	MQ	Milky qtz boulder with chlorite schist. Oxidized fractures, and/or pyrites or arsenopyrite in the qtz.
1225403	440791	7087028	985	28-Aug-11	Moses	MQ	Qtz vein. Silica-rich double cooked quartzite, small qtz vein crosscutting quartzite. 4-5 inches thick, 010/12/NW. Quartzite is 131/12/NW

Sample ID	Easting	Northing	Elevation (m)	Date	Sampler	Property	Description
1225851	437580	7086959	1146	26-Aug-11	Michael	MQ	Float and subcrop? Qtz schist with limonite and rare micro-metallic (soft) sulphides and galena? After graphitic sepa along strain fabric/schistosity.
1225852	437603	7086903	1146	26-Aug-11	Michael	MQ	Float sample. Qtz schist with less than 5% muscovite? Phyllite? Consistently limonitic along schistocity, zones of Mn weathered/oxidized and 1cm wide QVs (discordant) with Fe py's and FeO2s.
1225853	438572	7085245	767	26-Aug-11	Michael	MQ	Grab, in situ OC. From old hand dug pit, qtz swell (concordant) in phyllitic quartite schist. Graphitic horizons (dips to the NNE) @contact w qtz swell. Some Mn rich zones and seds
1225854	437602	7086971	1141	27-Aug-11	Michael	MQ	Subcrop, felsenmere, phyllite replaces by qtz. Limonitic along relic phylite textures. Some weathered subrounded Fe Py cubes and blebs?
1225855	437371	7087647	1062	27-Aug-11	Michael	MQ	Large OC. resilicifed quartzite w limonitic, powder textured relic qtz 'eye' clasts. OBSERVATION: large EW trending OC, resilicifed quartzite. Variably silicied w concordant milky white QVs up to 12cm wide. Rare discordant QVs, narrower and at obtuse angles to both schistosity fabrics and relic bedding? dips 38 to the NNE.
1225856	440120	7087721	1054	28-Aug-11	Michael	MQ	Grab , subcrop. Micaceous quartzite schist, relic qtz eyes from quarzite 'cooked' to powder textures. Limonitic. Tan brown to gold micas and more recent (fresh) silicification. Rare limonitic black micas? Graphitic flakes.
1225857	436755	7091587	1065	29-Aug-11	Michael	MQ	In situ grab from OC. Limey textured competant quartzite w ~2% limonite blebs and rust lined micro voids
1225858	436956	7091799	1071	29-Aug-11	Michael	MQ	Grab/chip from subcrop/felsenmere, qtz-poor muscovite schist. Fine to med grained. Rare weathered out/rusted sulphides. Mica, arsenopyrite?
1225859	437004	7091795	1070	29-Aug-11	Michael	MQ	Grab/chip in situ from OC. Very fine grained chloritic qtz muscovite schist. Rare, rusted sulphides.
1225860	437484	7091777	1039	29-Aug-11	Michael	MQ	Grab-float from shallow hand dug pit. Limonitic qtz mica schist. Sample mainly qtz w some calcite +micas. Very fine grained golden-coloured micas. Possible area of chlorite alteration?
1225861	437614	7091742	1033	29-Aug-11	Michael	MQ	Grab-float/subcrop? Bleached (beige colour) fine grained quartzite, >3% limonitic micro py blebs. Some narrow 5mm qtz veins.
1225862	444189	7090385	1211	30-Aug-11	Michael	MQ	Float, resilicified quartzite. Some relic limonitic textures. With aspy + Fe py. Some MnO2 weathering.
1225863	444142	7090351	1211	30-Aug-11	Michael	MQ	Grab-float from shallow hand dug pit. Qtz mica schist. Relic schistose quartzite fabrics. Mn rich and limonitic along schistosity.
1225864	444079	7090226	1186	30-Aug-11	Michael	MQ	Grab-float. Breccia-like textured, Mostly qtz w silicified quartzite, angular clasts and sub-rounded qtz clasts. Limonitic throughout, scoroditic staining.
1225865	444146	7089327	932	30-Aug-11	Michael	MQ	Representative chip from in situ OC. QV + qtz rich schist. HZ limited to mica schist zone in OC. Limonitic 'dots' of MnO2.
1225866	444130	7090351	1209	31-Aug-11	Michael	MQ	From shallow hand dug pit. Very limonitic QV. Sample from micaceous quartzite contact w QV.
1225867	444615	7090749	1206	31-Aug-11	Michael	MQ	From large subcrop(?) float? Slab shaped boulder in shallow hand dug pit. Bleached/resilicified quartzite with relic textures and some gold+green coloured micas. Sample from MnO2 rich HZ. With possible micro aspy.
1225868	444615	7090745	1207	31-Aug-11	Michael	MQ	Grab-float? Subcrop? From shallow hand dug pit. Sample from top of tight fold in resilicified quartzite + qtz swells. Thin HZ of green micas are MnO2 rich with disseminated MnO2+limonite througout
1225869	447171	7092159	1207	2-Sep-11	Michael	MQ	Grab, float. From shallow hand dug pit. Qtz brecia? Breccia textures. Sugary white qtz matrix with rare thin sepa of mica schists. Angular + subrounded clear + white qtz clasts. Some limonite + MnO2 H2s + some limonite lined vugs.

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: September 09, 2011
Report Date: November 28, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001417.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

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

CC: Don Christie
Daithi Mac Gearailt

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1223030	Soil	0.9	31.8	18.2	61	<0.1	21.6	9.0	166	2.90	7.5	18.8	10.9	8	<0.1	0.9	0.3	19	0.03	0.025	39
1223031	Soil	0.8	29.9	17.5	60	<0.1	22.0	8.6	201	2.84	7.2	3.2	11.4	8	<0.1	0.8	0.3	18	0.03	0.021	37
1223032	Soil	0.9	23.7	18.0	53	<0.1	16.8	8.1	163	2.74	7.4	4.4	8.8	7	<0.1	0.7	0.3	26	0.04	0.024	30
1223033	Soil	1.1	27.7	17.9	60	0.1	21.2	9.0	214	2.67	6.9	2.3	7.7	18	0.1	0.6	0.3	26	0.22	0.034	31
1223034	Soil	0.9	32.5	17.4	70	<0.1	28.9	13.3	257	2.89	8.6	4.4	10.1	15	0.1	0.6	0.3	23	0.17	0.046	35
1223035	Soil	1.3	27.8	18.8	64	<0.1	22.1	9.6	227	2.94	8.0	1.9	10.4	19	0.1	0.6	0.3	28	0.26	0.042	33
1223036	Soil	1.0	36.8	19.6	66	0.1	25.2	11.3	241	3.16	8.0	5.0	11.9	22	<0.1	0.6	0.3	27	0.26	0.040	37
1223037	Soil	1.0	31.5	19.2	67	<0.1	21.4	10.0	199	2.85	7.1	3.4	13.6	15	<0.1	0.7	0.3	23	0.15	0.027	39
1223038	Soil	0.9	37.2	24.2	69	<0.1	23.6	9.8	190	3.19	6.1	1.2	17.6	14	<0.1	0.6	0.4	19	0.13	0.027	48
1223039	Soil	0.9	36.9	21.6	69	0.1	28.8	11.5	316	3.07	9.1	2.6	13.4	18	0.1	1.7	0.3	19	0.19	0.041	42
1223040	Soil	0.9	30.2	19.3	67	0.1	27.0	9.8	247	2.77	10.2	3.9	12.2	15	0.1	2.5	0.3	18	0.15	0.041	39
1223041	Soil	0.9	34.9	22.1	72	0.1	31.4	15.2	384	3.13	9.6	5.1	12.1	31	0.2	1.7	0.3	20	0.31	0.039	40
1223042	Soil	0.7	15.6	11.4	45	<0.1	17.1	6.6	183	1.84	11.6	2.2	5.9	15	<0.1	1.3	0.2	25	0.20	0.047	18
1223043	Soil	0.8	21.9	13.3	49	<0.1	19.6	8.0	263	2.03	14.0	2.5	6.5	15	<0.1	1.5	0.2	29	0.23	0.042	22
1223044	Soil	0.8	21.0	12.1	48	<0.1	19.6	8.1	277	2.19	13.6	1.6	5.0	22	<0.1	0.9	0.2	33	0.32	0.037	17
1223045	Soil	1.0	27.9	20.2	62	0.3	24.1	12.0	608	2.62	20.8	3.4	6.0	37	0.3	1.4	0.3	27	0.60	0.054	21
1223046	Soil	0.9	22.4	16.9	56	<0.1	21.7	10.0	375	2.43	18.4	2.6	7.4	22	0.2	1.2	0.2	24	0.33	0.037	23
1223047	Soil	0.7	26.8	15.4	66	<0.1	24.5	9.4	341	2.42	19.3	13.8	7.7	22	0.1	1.2	0.2	23	0.30	0.049	23
1223048	Soil	0.7	25.5	14.4	52	0.1	23.5	8.9	331	2.21	16.7	7.2	5.9	31	0.1	1.1	0.2	24	0.48	0.041	20
1223049	Soil	0.9	23.6	15.7	55	<0.1	22.0	9.2	317	2.37	16.6	1.8	6.6	21	0.1	1.1	0.2	26	0.31	0.042	22
1223050	Soil	0.8	27.1	17.1	59	<0.1	24.4	9.9	369	2.45	23.4	5.4	7.2	23	0.2	2.0	0.2	27	0.34	0.046	22
1223501	Soil	0.9	29.4	20.2	66	0.1	26.5	10.8	416	2.45	29.2	2.8	8.0	23	0.2	2.5	0.3	24	0.34	0.051	23
1223502	Soil	0.9	32.7	21.2	75	0.2	27.9	11.0	432	2.59	32.6	3.5	8.3	24	0.2	2.8	0.3	23	0.40	0.052	26
1223503	Soil	0.6	23.7	15.8	55	0.1	20.8	8.1	256	2.06	21.8	2.7	6.4	22	0.1	1.9	0.2	23	0.34	0.054	21
1223504	Soil	0.8	18.6	14.0	46	<0.1	18.9	7.8	242	1.92	16.4	1.9	5.1	19	0.1	1.3	0.2	26	0.31	0.038	18
1223505	Soil	0.8	28.6	11.1	60	0.1	23.2	8.4	311	2.00	15.3	2.3	3.6	25	0.3	1.0	0.2	29	0.38	0.072	13
1223506	Soil	0.6	28.8	11.3	70	0.2	24.7	8.6	201	1.92	12.7	2.4	3.2	45	0.6	1.0	0.2	29	0.81	0.063	12
1223507	Soil	1.2	39.4	25.5	92	0.2	30.9	11.8	481	3.02	34.3	4.0	8.2	41	0.3	2.6	0.3	35	0.63	0.051	24
1223508	Soil	0.8	24.7	11.8	48	0.1	20.4	7.9	368	1.82	13.2	2.2	3.1	69	0.3	0.9	0.2	30	0.85	0.070	13
1223509	Soil	0.9	17.0	10.6	51	0.1	16.5	7.4	572	1.99	14.1	2.5	3.1	62	0.2	0.9	0.2	26	0.90	0.063	11

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

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1223030	Soil	16	0.31	94	0.008	2	0.94	0.004	0.04	0.1	0.04	1.8	<0.1	<0.05	3	0.6	<0.2
1223031	Soil	16	0.32	94	0.009	<1	0.96	0.004	0.04	<0.1	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1223032	Soil	18	0.32	95	0.008	1	1.19	0.004	0.03	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223033	Soil	18	0.39	159	0.008	<1	1.15	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	3	0.6	<0.2
1223034	Soil	18	0.41	129	0.018	1	1.07	0.005	0.03	0.1	0.03	1.8	<0.1	<0.05	3	0.6	<0.2
1223035	Soil	22	0.43	153	0.018	1	1.21	0.005	0.04	<0.1	0.03	2.1	<0.1	<0.05	4	0.7	<0.2
1223036	Soil	20	0.45	182	0.016	<1	1.29	0.005	0.04	0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
1223037	Soil	18	0.41	131	0.013	<1	1.16	0.004	0.03	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223038	Soil	19	0.50	108	0.007	1	1.27	0.004	0.03	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223039	Soil	18	0.43	113	0.011	<1	1.05	0.004	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1223040	Soil	17	0.42	121	0.011	<1	1.02	0.004	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1223041	Soil	17	0.42	145	0.010	1	1.07	0.006	0.04	0.1	0.04	1.7	<0.1	<0.05	3	0.6	<0.2
1223042	Soil	14	0.28	139	0.018	<1	0.75	0.005	0.04	0.3	<0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
1223043	Soil	17	0.32	204	0.022	<1	0.94	0.007	0.06	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1223044	Soil	19	0.31	281	0.016	<1	1.05	0.006	0.04	0.3	0.01	2.4	<0.1	<0.05	3	0.6	<0.2
1223045	Soil	18	0.31	285	0.012	1	1.07	0.006	0.08	0.4	0.04	2.5	<0.1	<0.05	3	0.8	<0.2
1223046	Soil	16	0.27	218	0.015	<1	0.86	0.005	0.07	0.4	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223047	Soil	17	0.32	212	0.015	<1	0.91	0.008	0.05	0.3	0.03	2.3	<0.1	<0.05	3	0.7	<0.2
1223048	Soil	14	0.28	233	0.014	<1	0.83	0.007	0.05	0.3	0.02	2.1	<0.1	<0.05	3	0.7	<0.2
1223049	Soil	17	0.31	225	0.015	<1	0.94	0.007	0.05	0.3	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223050	Soil	18	0.30	169	0.017	1	0.91	0.007	0.07	0.3	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
1223501	Soil	19	0.34	173	0.018	1	0.97	0.008	0.09	0.4	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1223502	Soil	18	0.36	140	0.019	1	1.04	0.008	0.11	0.4	0.03	2.2	<0.1	<0.05	3	0.8	<0.2
1223503	Soil	15	0.28	162	0.020	1	0.83	0.009	0.07	0.4	0.02	1.9	<0.1	<0.05	2	0.6	<0.2
1223504	Soil	17	0.30	215	0.018	<1	0.90	0.006	0.05	0.3	0.02	1.9	<0.1	<0.05	3	0.5	<0.2
1223505	Soil	16	0.33	331	0.027	1	0.73	0.008	0.04	0.2	0.05	2.3	<0.1	<0.05	2	<0.5	<0.2
1223506	Soil	17	0.35	482	0.021	2	0.84	0.008	0.03	0.2	0.05	2.3	<0.1	<0.05	2	1.0	<0.2
1223507	Soil	25	0.49	288	0.021	2	1.42	0.009	0.11	0.4	0.04	3.2	<0.1	<0.05	4	0.6	<0.2
1223508	Soil	17	0.31	351	0.020	1	0.84	0.006	0.04	0.3	0.04	2.0	<0.1	0.08	2	0.8	<0.2
1223509	Soil	15	0.32	243	0.015	1	0.79	0.007	0.04	0.2	0.03	1.7	<0.1	0.08	2	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1223510	Soil	0.7	16.6	10.5	48	0.1	14.7	6.0	408	1.65	13.2	1.8	2.7	67	0.3	0.8	0.2	27	0.97	0.061	10
1223511	Soil	1.1	13.8	10.7	58	<0.1	13.4	6.3	189	1.91	18.0	2.3	3.1	57	0.2	0.8	0.2	28	0.73	0.066	11
1223512	Soil	0.7	20.9	12.2	51	0.1	17.7	8.5	280	1.96	11.6	1.8	3.4	47	0.2	0.7	0.2	31	0.67	0.063	13
1223513	Soil	0.9	17.8	10.9	50	<0.1	15.2	6.2	219	1.52	10.4	4.2	3.1	48	0.2	0.8	0.2	32	0.67	0.060	11
1223514	Soil	0.6	17.2	9.8	38	<0.1	13.9	4.8	181	1.55	9.0	2.4	2.1	60	0.2	0.6	0.1	31	0.88	0.070	10
1223515	Soil	0.8	50.2	12.3	44	0.2	25.1	7.4	263	2.09	14.6	5.8	2.7	49	0.2	0.9	0.2	32	0.69	0.069	16
1223516	Soil	0.6	31.8	11.2	50	0.1	20.8	7.3	151	1.79	11.6	3.0	3.2	24	0.1	0.7	0.2	28	0.31	0.046	12
1223517	Soil	0.9	15.8	10.1	45	<0.1	16.9	6.4	150	1.78	11.3	1.8	3.4	9	0.1	0.6	0.2	30	0.14	0.030	11
1223518	Soil	0.7	15.4	8.7	53	0.1	15.7	5.5	93	1.40	7.9	3.2	3.0	22	0.2	0.7	0.1	26	0.41	0.061	10
1223519	Soil	0.5	13.1	8.7	53	0.1	14.3	6.6	277	1.25	7.0	2.1	2.1	28	0.3	0.5	0.1	23	0.50	0.061	9
1223520	Soil	0.1	22.0	13.8	35	0.1	12.2	3.6	167	0.75	1.9	2.4	4.9	34	0.1	0.5	0.1	13	0.51	0.036	16
1223521	Soil	0.6	28.3	18.1	60	0.1	24.1	14.4	333	2.25	9.2	3.5	6.5	46	0.3	1.0	0.2	17	0.82	0.047	18
1223644	Soil	0.8	16.0	14.9	42	<0.1	17.3	5.3	126	1.95	8.9	2.8	3.5	6	<0.1	0.5	0.2	34	0.05	0.023	15
1223645	Soil	0.7	22.1	16.0	48	<0.1	17.9	7.5	202	2.22	5.9	1.6	6.1	15	<0.1	0.6	0.2	27	0.19	0.024	26
1223646	Soil	0.6	29.7	18.6	61	<0.1	25.1	10.4	160	2.81	5.4	1.9	12.3	7	<0.1	0.3	0.3	14	0.02	0.022	35
1223647	Soil	0.8	30.5	15.3	58	<0.1	23.6	10.1	212	2.72	7.3	3.9	9.5	7	<0.1	0.4	0.2	23	0.04	0.023	32
1223648	Soil	0.9	30.6	20.1	50	<0.1	15.9	6.6	130	2.90	7.2	2.4	10.2	6	0.1	0.4	0.3	23	0.02	0.022	30
1223649	Soil	1.1	32.6	18.4	65	<0.1	22.0	8.1	148	3.02	6.4	2.3	12.4	5	<0.1	0.4	0.3	15	0.01	0.022	40
1223650	Soil	0.7	30.9	19.7	59	<0.1	20.3	7.6	111	2.72	7.2	2.8	10.2	9	<0.1	0.7	0.3	13	0.01	0.022	40
1224585	Soil	0.8	18.7	15.0	46	<0.1	14.2	5.5	139	2.32	10.3	2.3	5.3	6	<0.1	0.5	0.2	42	0.05	0.023	15
1224586	Soil	0.6	27.6	14.0	49	<0.1	19.0	7.8	157	2.44	6.3	12.6	10.3	5	<0.1	0.6	0.2	21	0.03	0.020	35
1224587	Soil	0.8	17.0	14.2	48	<0.1	15.1	6.1	149	2.34	11.0	2.7	5.3	6	<0.1	0.5	0.2	35	0.06	0.032	16
1224588	Soil	1.1	13.4	12.9	54	0.1	18.2	9.2	234	2.31	13.4	3.5	4.1	6	0.2	0.6	0.2	35	0.05	0.036	11
1224589	Soil	0.6	27.5	11.8	50	<0.1	18.9	7.8	218	2.18	11.8	4.7	4.7	6	<0.1	0.6	0.1	34	0.04	0.016	14
1224590	Soil	0.7	31.5	23.4	67	<0.1	16.3	6.3	130	3.32	5.3	1.3	16.0	6	<0.1	0.3	0.2	16	0.01	0.022	49
1224591	Soil	0.8	20.1	17.0	51	<0.1	18.7	7.2	158	2.22	10.0	2.3	9.1	5	<0.1	0.7	0.2	29	0.04	0.017	29
1224592	Soil	0.6	19.7	15.4	46	<0.1	16.9	6.6	130	2.01	10.7	1.8	8.9	5	<0.1	1.6	0.2	21	0.03	0.018	32
1224593	Soil	0.7	26.9	15.3	53	0.2	19.8	7.4	203	2.36	12.2	2.5	6.8	6	0.1	0.9	0.2	33	0.05	0.026	23
1224594	Soil	0.7	29.5	17.7	61	<0.1	20.4	9.3	213	2.76	10.9	2.8	10.6	6	0.1	1.1	0.2	27	0.04	0.017	36
1224595	Soil	0.8	18.6	13.7	49	<0.1	18.1	6.4	152	2.32	10.4	8.1	6.4	7	<0.1	0.8	0.2	35	0.05	0.014	22

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1223510	Soil	16	0.34	243	0.014	2	0.82	0.006	0.03	0.2	0.04	2.0	<0.1	0.11	2	0.6	<0.2
1223511	Soil	15	0.30	236	0.017	2	0.80	0.006	0.03	0.2	0.03	1.8	<0.1	0.07	2	0.8	<0.2
1223512	Soil	18	0.34	272	0.021	<1	0.88	0.006	0.04	0.2	0.05	2.2	<0.1	0.08	3	1.1	<0.2
1223513	Soil	17	0.36	247	0.024	1	0.80	0.008	0.04	0.2	0.04	1.9	<0.1	0.07	2	0.8	<0.2
1223514	Soil	17	0.34	228	0.018	1	0.83	0.006	0.03	0.1	0.05	1.9	<0.1	0.07	3	1.0	<0.2
1223515	Soil	19	0.36	368	0.016	<1	0.95	0.006	0.03	0.2	0.07	2.7	<0.1	0.07	3	1.0	<0.2
1223516	Soil	18	0.29	237	0.017	1	0.80	0.007	0.03	0.2	0.05	2.5	<0.1	<0.05	2	0.5	<0.2
1223517	Soil	17	0.25	182	0.015	1	0.85	0.003	0.03	0.2	0.03	1.7	<0.1	<0.05	2	0.5	<0.2
1223518	Soil	15	0.29	189	0.025	2	0.66	0.007	0.03	0.2	0.04	1.8	<0.1	0.06	2	0.6	<0.2
1223519	Soil	13	0.25	182	0.014	2	0.62	0.005	0.02	0.1	0.04	1.5	<0.1	0.09	2	0.6	<0.2
1223520	Soil	13	0.28	203	0.008	1	0.68	0.004	0.03	0.1	0.04	1.4	<0.1	0.13	2	<0.5	<0.2
1223521	Soil	15	0.35	206	0.006	2	0.92	0.006	0.03	0.1	0.05	1.9	<0.1	0.18	2	0.6	<0.2
1223644	Soil	19	0.23	112	0.023	1	1.03	0.004	0.03	0.2	0.03	1.5	<0.1	<0.05	3	0.8	<0.2
1223645	Soil	18	0.30	151	0.013	<1	1.00	0.005	0.03	0.1	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1223646	Soil	12	0.22	72	0.005	<1	0.73	0.004	0.04	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223647	Soil	15	0.27	131	0.013	<1	0.91	0.008	0.06	0.1	0.04	2.2	<0.1	0.05	3	<0.5	<0.2
1223648	Soil	17	0.29	94	0.010	<1	1.07	0.004	0.03	<0.1	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1223649	Soil	16	0.38	50	0.004	1	1.02	0.004	0.04	<0.1	0.02	1.4	<0.1	<0.05	3	0.6	<0.2
1223650	Soil	11	0.21	60	0.005	<1	0.71	0.004	0.05	<0.1	0.07	1.5	<0.1	<0.05	2	<0.5	<0.2
1224585	Soil	24	0.31	137	0.033	<1	1.32	0.006	0.04	0.2	0.03	3.8	0.1	<0.05	4	0.5	<0.2
1224586	Soil	14	0.17	87	0.011	<1	0.84	0.005	0.04	0.1	0.04	2.3	<0.1	<0.05	2	<0.5	<0.2
1224587	Soil	21	0.30	128	0.024	1	1.20	0.008	0.05	0.2	0.04	3.3	<0.1	<0.05	3	0.7	<0.2
1224588	Soil	22	0.31	123	0.022	<1	1.26	0.004	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1224589	Soil	21	0.30	156	0.027	1	1.08	0.004	0.03	0.2	0.07	4.8	<0.1	<0.05	3	<0.5	<0.2
1224590	Soil	17	0.59	56	0.005	1	1.42	0.003	0.05	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1224591	Soil	17	0.26	92	0.023	1	1.10	0.005	0.04	0.3	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1224592	Soil	14	0.19	72	0.013	1	0.80	0.004	0.05	0.1	0.03	2.0	<0.1	<0.05	2	0.6	<0.2
1224593	Soil	22	0.31	148	0.026	<1	1.22	0.004	0.06	0.3	0.05	3.3	<0.1	<0.05	3	<0.5	<0.2
1224594	Soil	21	0.36	158	0.020	<1	1.35	0.006	0.05	0.1	0.04	3.8	<0.1	<0.05	4	0.6	<0.2
1224595	Soil	20	0.31	159	0.026	<1	1.25	0.007	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2

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Report Date: November 28, 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
1224596	Soil	0.8	10.5	13.7	46	0.2	12.2	9.8	307	2.09	8.9	1.8	4.9	7	<0.1	0.4	0.2	43	0.06	0.022	18
1224597	Soil	0.8	12.3	15.1	46	0.2	15.3	5.7	152	2.19	9.4	1.7	5.7	6	<0.1	0.5	0.2	32	0.05	0.021	17
1224598	Soil	0.7	19.3	21.4	37	<0.1	12.0	4.2	73	1.94	8.0	2.1	14.3	5	<0.1	1.5	0.2	13	0.02	0.013	47
1224599	Soil	0.7	20.7	12.1	48	0.2	17.9	6.5	153	2.21	11.0	13.0	5.1	6	<0.1	0.6	0.2	39	0.06	0.015	16
1224600	Soil	1.0	15.1	12.0	40	0.3	13.4	5.1	125	2.16	9.8	7.1	3.3	6	<0.1	0.5	0.2	41	0.06	0.038	14
1224601	Soil	0.8	20.8	12.0	51	0.1	23.8	9.7	203	2.77	10.3	5.5	4.6	7	<0.1	0.6	0.2	49	0.06	0.019	14
1224602	Soil	0.8	11.9	12.0	51	<0.1	16.4	6.2	283	2.56	16.3	0.7	2.9	7	<0.1	0.7	0.2	39	0.08	0.100	11
1224603	Soil	0.8	19.2	13.4	49	0.1	21.8	7.7	145	2.61	8.2	0.8	8.5	7	<0.1	0.7	0.2	26	0.06	0.020	31
1224604	Soil	0.8	25.4	12.1	52	<0.1	22.1	7.6	191	2.45	10.0	11.5	6.3	10	<0.1	0.7	0.2	43	0.09	0.012	21
1224605	Soil	0.7	23.2	12.3	53	<0.1	23.1	8.0	171	2.49	8.1	2.6	7.1	9	<0.1	0.8	0.2	28	0.09	0.014	25
1224606	Soil	0.6	26.0	10.8	62	<0.1	19.4	6.7	182	1.99	11.8	1.8	5.1	7	0.1	1.0	0.2	20	0.08	0.033	16
1224607	Soil	0.6	15.6	11.8	46	<0.1	15.6	5.6	138	2.11	8.9	1.2	5.6	5	<0.1	1.0	0.2	19	0.04	0.016	21
1224608	Soil	0.6	22.5	14.5	56	<0.1	21.8	7.9	194	2.71	10.9	1.3	9.2	6	<0.1	1.4	0.2	19	0.03	0.023	33
1224609	Soil	0.8	12.5	10.4	44	<0.1	15.7	5.4	175	1.98	10.4	37.8	4.4	9	0.1	1.0	0.2	28	0.11	0.028	16
1224610	Soil	0.6	23.7	12.7	57	<0.1	22.1	7.4	199	2.26	9.9	2.0	6.6	10	<0.1	1.4	0.2	24	0.09	0.022	26
1224611	Soil	0.6	23.6	13.1	53	<0.1	21.4	7.3	225	2.19	11.1	2.3	6.5	9	0.1	1.1	0.2	28	0.11	0.020	21
1224612	Soil	0.7	25.4	15.8	56	0.1	24.4	8.2	232	2.45	12.4	4.0	6.5	11	0.1	1.2	0.2	28	0.11	0.031	21
1224613	Soil	0.7	22.2	13.0	51	<0.1	19.0	7.5	330	2.07	13.8	2.2	5.2	10	0.1	1.1	0.2	25	0.12	0.037	16
1224614	Soil	0.8	20.6	13.2	48	<0.1	19.4	7.4	332	1.99	13.3	1.2	5.2	22	<0.1	0.9	0.2	23	0.24	0.037	16
1224615	Soil	0.7	23.3	18.0	53	0.1	22.1	8.4	344	2.22	15.3	36.0	7.5	30	<0.1	1.3	0.2	18	0.29	0.048	22
1224616	Soil	0.6	24.5	18.9	61	0.2	22.6	9.1	365	2.31	13.8	12.1	7.2	23	<0.1	1.5	0.2	17	0.28	0.039	23
1224617	Soil	0.5	20.3	17.1	50	<0.1	18.7	8.3	194	2.22	11.7	1.6	7.1	9	<0.1	1.2	0.2	18	0.12	0.019	22
1224618	Soil	0.9	21.6	13.3	63	<0.1	20.6	7.6	281	2.16	12.6	4.9	5.0	16	0.1	1.1	0.2	30	0.23	0.033	16
1224619	Soil	0.7	15.1	13.9	47	<0.1	16.4	6.7	203	1.90	11.2	31.3	5.0	12	<0.1	1.1	0.2	19	0.18	0.030	17
1224620	Soil	0.7	31.6	23.8	71	0.1	29.7	11.5	433	2.79	22.2	3.4	10.2	19	0.1	2.5	0.3	17	0.24	0.042	30
1224621	Soil	0.6	26.0	16.9	60	0.1	22.2	8.4	382	2.25	15.8	2.4	6.3	27	0.1	1.5	0.2	19	0.56	0.048	22
1224622	Soil	0.6	20.3	16.6	54	0.1	19.1	7.6	283	2.07	15.2	3.2	5.2	18	0.1	1.4	0.2	18	0.32	0.032	19
1224623	Soil	0.6	17.7	14.2	54	<0.1	17.4	7.2	291	1.93	13.4	2.3	4.4	25	0.2	1.2	0.2	18	0.43	0.044	18
1224624	Soil	0.7	25.7	18.2	59	<0.1	22.2	8.7	343	2.32	16.6	2.4	6.2	15	0.2	1.6	0.2	20	0.20	0.035	23
1224625	Soil	0.6	17.9	14.7	55	<0.1	18.0	6.9	237	1.96	13.5	3.6	4.6	16	0.1	1.2	0.2	20	0.24	0.040	18

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

		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
1224596	Soil		21	0.28	162	0.033	<1	1.31	0.005	0.05	0.1	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
1224597	Soil		19	0.25	110	0.019	<1	1.24	0.003	0.04	0.2	0.03	1.6	0.1	<0.05	3	0.5	<0.2
1224598	Soil		10	0.14	75	0.004	<1	0.73	0.003	0.05	<0.1	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1224599	Soil		22	0.31	157	0.031	<1	1.32	0.007	0.03	0.2	0.04	3.0	<0.1	<0.05	3	0.7	<0.2
1224600	Soil		21	0.25	117	0.020	<1	1.23	0.004	0.03	0.2	0.02	1.7	0.1	<0.05	4	0.6	<0.2
1224601	Soil		32	0.51	168	0.027	<1	1.72	0.005	0.03	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
1224602	Soil		21	0.30	117	0.022	<1	1.16	0.003	0.04	0.3	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1224603	Soil		19	0.23	126	0.009	<1	1.09	0.003	0.05	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1224604	Soil		27	0.36	316	0.031	2	1.53	0.010	0.06	0.2	0.04	5.4	0.1	<0.05	4	<0.5	<0.2
1224605	Soil		23	0.35	183	0.010	<1	1.10	0.004	0.05	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1224606	Soil		14	0.22	77	0.015	<1	0.73	0.003	0.05	0.1	0.04	2.3	<0.1	<0.05	2	<0.5	<0.2
1224607	Soil		15	0.22	117	0.007	<1	0.91	0.007	0.06	0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1224608	Soil		17	0.25	102	0.004	<1	1.06	0.004	0.07	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1224609	Soil		15	0.26	118	0.019	<1	0.82	0.004	0.04	0.2	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1224610	Soil		16	0.27	156	0.018	1	0.92	0.006	0.06	0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1224611	Soil		19	0.31	156	0.023	<1	1.03	0.006	0.06	0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
1224612	Soil		19	0.32	158	0.017	1	1.08	0.006	0.07	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1224613	Soil		15	0.28	157	0.026	<1	0.89	0.005	0.06	0.3	0.03	2.2	<0.1	<0.05	3	0.8	<0.2
1224614	Soil		15	0.29	171	0.014	2	0.82	0.006	0.04	0.2	0.04	2.0	<0.1	<0.05	2	1.1	<0.2
1224615	Soil		14	0.28	144	0.012	1	0.81	0.006	0.07	0.3	0.02	2.1	<0.1	<0.05	2	0.8	<0.2
1224616	Soil		13	0.26	121	0.008	2	0.78	0.005	0.07	0.2	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1224617	Soil		13	0.23	143	0.007	<1	0.88	0.004	0.06	0.2	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1224618	Soil		17	0.32	187	0.021	1	1.01	0.006	0.06	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1224619	Soil		13	0.23	107	0.013	<1	0.71	0.004	0.05	0.2	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1224620	Soil		18	0.30	118	0.009	1	0.99	0.006	0.11	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1224621	Soil		14	0.28	202	0.010	1	0.88	0.006	0.06	0.2	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
1224622	Soil		13	0.25	139	0.010	<1	0.80	0.005	0.07	0.2	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1224623	Soil		13	0.26	140	0.012	1	0.77	0.005	0.06	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1224624	Soil		15	0.27	146	0.012	1	0.91	0.005	0.07	0.2	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1224625	Soil		13	0.26	165	0.010	<1	0.78	0.004	0.06	0.2	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1224626	Soil	0.6	17.5	8.3	52	<0.1	16.4	5.8	210	1.56	11.7	3.3	2.8	12	<0.1	0.6	0.2	22	0.18	0.053	10
1224627	Soil	0.5	21.8	14.8	56	0.1	20.1	7.7	243	1.97	13.8	3.6	5.8	16	0.2	1.1	0.2	20	0.27	0.044	18
1224628	Soil	0.7	13.4	9.8	43	<0.1	13.7	5.3	193	1.65	10.0	3.2	3.7	13	<0.1	0.7	0.1	22	0.22	0.040	13
1224629	Soil	0.6	15.3	13.3	53	<0.1	16.3	5.8	181	1.70	11.5	1.4	4.5	13	<0.1	0.9	0.1	17	0.22	0.048	14
1224630	Soil	0.7	16.6	13.5	47	<0.1	16.1	7.0	296	1.83	11.2	1.4	4.7	16	0.1	0.9	0.2	22	0.24	0.036	16
1224631	Soil	0.7	14.4	11.9	44	<0.1	14.7	5.4	172	1.69	10.7	24.8	3.6	15	<0.1	0.8	0.1	21	0.24	0.044	14
1224632	Soil	0.6	12.8	10.9	40	<0.1	13.0	4.5	142	1.44	10.3	<0.5	3.9	11	<0.1	0.8	0.1	18	0.16	0.044	13
1224633	Soil	0.7	18.0	12.8	47	0.1	18.4	6.9	267	1.88	10.6	6.2	4.2	15	<0.1	0.9	0.2	24	0.22	0.037	16
1224634	Soil	0.5	20.3	42.3	92	0.3	19.6	7.9	393	1.90	19.6	82.2	5.4	16	0.3	1.3	0.2	18	0.23	0.045	18
1224635	Soil	0.5	19.6	24.4	63	0.1	17.6	6.7	329	1.99	16.0	2.3	5.2	17	0.3	1.4	0.2	18	0.26	0.043	19
1224636	Soil	0.6	18.3	33.7	110	0.1	18.8	9.7	474	2.19	17.3	2.0	6.3	15	0.5	1.7	0.2	16	0.24	0.039	22
1224637	Soil	0.5	25.3	32.3	80	0.2	22.4	9.9	409	2.30	17.4	1.9	6.9	15	0.3	1.4	0.2	15	0.26	0.040	21
1224638	Soil	0.6	25.2	11.7	61	<0.1	19.2	8.8	310	2.02	12.2	2.4	2.6	8	<0.1	0.8	0.2	29	0.09	0.041	16
1224639	Soil	0.6	17.1	13.3	57	<0.1	16.7	5.7	195	2.59	8.3	8.1	4.4	7	<0.1	0.3	0.2	24	0.05	0.036	29
1224640	Soil	0.6	18.1	19.5	50	<0.1	15.8	5.7	141	2.11	10.0	21.9	1.5	7	0.4	0.8	0.2	26	0.09	0.034	21
1224641	Soil	0.6	18.4	10.1	51	<0.1	15.1	5.1	124	1.62	7.9	104.4	2.3	10	0.1	0.7	0.1	25	0.14	0.055	16
1224642	Soil	0.5	15.0	8.9	43	0.1	14.6	6.4	167	1.50	6.7	25.6	3.0	12	<0.1	0.5	0.1	21	0.16	0.044	15
1224643	Soil	0.7	10.4	10.9	28	<0.1	8.7	3.0	74	1.04	6.7	58.4	0.5	6	<0.1	0.3	0.3	24	0.05	0.025	17
1224644	Soil	0.7	21.6	12.2	59	<0.1	20.3	7.7	232	2.12	9.3	5.4	7.0	8	0.1	0.6	0.2	25	0.10	0.043	26
1224645	Soil	0.4	13.2	9.1	53	0.1	14.9	5.6	123	1.27	5.9	1.9	3.4	16	0.1	0.4	0.1	24	0.25	0.052	12
1224646	Soil	0.4	19.3	14.0	44	<0.1	15.5	6.8	230	1.97	7.4	1.3	5.5	10	<0.1	1.2	0.2	19	0.12	0.036	27
1224647	Soil	0.7	14.1	12.6	41	<0.1	13.3	5.0	139	2.06	10.4	4.5	1.6	9	<0.1	0.5	0.2	41	0.10	0.025	13
1224648	Soil	1.0	22.7	13.8	57	<0.1	22.3	9.6	188	2.44	11.3	3.3	4.6	8	0.1	0.6	0.2	35	0.09	0.022	16
1224649	Soil	1.0	12.7	12.5	30	<0.1	11.8	3.3	85	1.38	6.7	3.3	1.6	15	0.1	0.3	0.2	33	0.17	0.051	12
1224650	Soil	0.7	14.7	7.5	46	<0.1	14.4	5.6	117	1.59	6.3	2.4	2.0	15	<0.1	0.5	0.1	29	0.19	0.041	13
1224742	Soil	1.0	26.2	16.6	61	<0.1	21.4	7.9	159	2.92	8.0	1.4	9.2	7	0.1	0.5	0.2	28	0.03	0.019	29
1224743	Soil	0.8	24.4	16.0	52	<0.1	20.4	9.9	264	2.55	7.7	7.7	6.6	9	<0.1	0.7	0.3	24	0.04	0.025	37
1224744	Soil	0.6	32.0	18.7	66	<0.1	27.0	12.1	415	2.86	7.5	1.9	13.8	10	<0.1	0.5	0.3	20	0.05	0.030	53
1224745	Soil	0.6	29.0	15.7	60	<0.1	22.4	8.7	247	2.79	7.2	3.0	11.8	7	<0.1	0.4	0.3	22	0.04	0.022	47
1224746	Soil	0.9	12.5	13.0	66	<0.1	20.5	10.8	330	2.55	13.1	3.7	5.4	10	0.2	0.8	0.2	38	0.09	0.039	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
1224626	Soil	12	0.24	85	0.019	<1	0.62	0.004	0.04	0.2	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1224627	Soil	13	0.25	150	0.016	<1	0.72	0.005	0.06	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1224628	Soil	12	0.23	140	0.018	<1	0.65	0.003	0.03	0.4	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1224629	Soil	10	0.20	88	0.014	<1	0.54	0.004	0.04	0.2	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1224630	Soil	13	0.24	167	0.014	<1	0.81	0.005	0.05	0.2	0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
1224631	Soil	12	0.23	117	0.016	<1	0.66	0.004	0.04	0.3	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1224632	Soil	10	0.21	85	0.016	<1	0.59	0.004	0.03	0.2	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
1224633	Soil	16	0.28	235	0.016	<1	0.86	0.005	0.05	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1224634	Soil	12	0.25	142	0.014	<1	0.70	0.005	0.07	0.2	0.02	2.1	<0.1	<0.05	2	0.6	<0.2
1224635	Soil	13	0.25	110	0.012	2	0.72	0.005	0.06	0.2	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1224636	Soil	13	0.25	106	0.011	1	0.72	0.004	0.09	0.3	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
1224637	Soil	12	0.26	74	0.009	2	0.74	0.004	0.07	0.2	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1224638	Soil	18	0.30	125	0.021	1	0.96	0.004	0.03	0.2	0.03	2.4	<0.1	<0.05	3	0.5	<0.2
1224639	Soil	20	0.38	75	0.010	<1	1.30	0.003	0.02	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1224640	Soil	16	0.25	66	0.016	<1	0.93	0.008	0.03	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1224641	Soil	15	0.26	78	0.022	<1	0.79	0.003	0.03	0.4	0.03	1.4	<0.1	<0.05	2	0.5	<0.2
1224642	Soil	13	0.23	101	0.014	<1	0.67	0.003	0.02	0.3	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
1224643	Soil	11	0.13	68	0.009	1	0.59	0.003	0.02	0.2	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1224644	Soil	15	0.27	162	0.022	<1	0.75	0.004	0.03	0.5	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1224645	Soil	14	0.29	305	0.021	1	0.72	0.004	0.02	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1224646	Soil	13	0.24	137	0.010	<1	0.77	0.004	0.05	0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1224647	Soil	20	0.26	130	0.019	<1	1.10	0.003	0.03	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1224648	Soil	22	0.32	130	0.020	<1	1.28	0.004	0.05	0.2	0.05	2.4	<0.1	<0.05	3	0.6	<0.2
1224649	Soil	17	0.19	193	0.019	<1	1.01	0.005	0.05	0.1	0.06	1.9	<0.1	<0.05	4	<0.5	<0.2
1224650	Soil	17	0.25	187	0.024	<1	0.89	0.004	0.03	0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1224742	Soil	20	0.33	113	0.012	<1	1.32	0.004	0.04	0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1224743	Soil	16	0.25	89	0.013	<1	0.89	0.006	0.04	0.1	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1224744	Soil	16	0.34	222	0.012	<1	0.98	0.005	0.05	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1224745	Soil	19	0.44	88	0.012	<1	1.23	0.004	0.03	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1224746	Soil	26	0.42	116	0.032	<1	1.52	0.006	0.04	0.2	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

		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
1224747	Soil		0.6	22.1	15.8	58	<0.1	20.3	8.3	275	2.68	7.9	2.3	4.8	10	<0.1	0.5	0.3	25	0.07	0.043	36
1224748	Soil		0.7	15.8	12.7	46	<0.1	16.4	5.8	178	2.14	8.8	2.2	4.7	11	<0.1	0.6	0.2	33	0.07	0.026	23
1224749	Soil		0.7	20.9	13.6	54	<0.1	18.4	7.7	253	2.26	8.0	1.7	3.0	9	<0.1	0.5	0.2	26	0.06	0.033	29
1224750	Soil		0.7	20.7	16.3	56	<0.1	21.4	8.5	259	2.56	10.6	2.8	5.1	9	0.1	0.7	0.2	31	0.08	0.033	24
1224751	Soil		0.9	17.8	11.8	46	<0.1	17.0	6.0	188	2.12	9.1	1.3	3.9	7	<0.1	0.6	0.2	27	0.05	0.025	29
1224752	Soil		0.6	30.1	17.7	73	<0.1	28.0	10.2	233	3.33	11.9	1.2	7.6	9	<0.1	0.5	0.3	25	0.04	0.046	51
1224753	Soil		0.7	27.5	14.2	68	<0.1	23.5	8.9	269	2.45	9.8	2.4	9.2	13	0.1	0.7	0.2	18	0.10	0.059	38
1224754	Soil		0.9	21.6	15.2	51	<0.1	18.5	6.2	216	2.27	9.2	5.5	1.2	12	0.1	0.6	0.2	27	0.08	0.049	32
1224755	Soil		0.6	20.0	13.7	50	<0.1	17.2	6.1	213	2.23	9.6	1.5	2.6	12	<0.1	0.6	0.2	26	0.09	0.045	32
1224756	Soil		0.7	32.9	16.1	75	<0.1	28.9	11.4	243	3.04	10.2	3.5	14.0	10	<0.1	0.5	0.3	21	0.06	0.031	48
1224757	Soil		0.7	20.8	12.9	55	<0.1	18.6	7.3	207	2.41	9.1	3.3	5.7	13	<0.1	0.7	0.2	31	0.11	0.036	31
1224758	Soil		0.6	22.6	13.3	57	<0.1	21.3	9.7	251	2.56	8.8	2.9	8.9	16	<0.1	0.7	0.2	30	0.11	0.040	35
1224759	Soil		0.8	21.7	13.5	56	<0.1	21.2	8.6	253	2.57	8.8	1.9	7.7	22	<0.1	0.6	0.2	32	0.15	0.049	34
1224760	Soil		0.8	23.8	12.9	60	<0.1	21.1	9.3	268	2.48	8.5	1.7	8.4	18	0.1	0.8	0.2	29	0.14	0.048	36
1224761	Soil		0.8	26.7	14.3	72	<0.1	25.7	9.6	243	2.77	9.6	0.8	8.2	15	0.1	1.0	0.3	26	0.09	0.043	39
1224762	Soil		0.7	21.3	13.6	57	<0.1	20.5	8.5	253	2.47	7.8	19.4	7.3	14	<0.1	0.9	0.2	25	0.11	0.043	36
1224763	Soil		0.9	17.4	11.7	52	0.1	16.4	6.9	229	2.16	7.0	<0.5	5.7	11	<0.1	0.7	0.2	29	0.06	0.023	32
1224764	Soil		0.7	21.7	13.0	65	<0.1	22.5	10.2	322	2.56	7.7	2.6	9.2	17	<0.1	0.8	0.3	24	0.14	0.042	37
1224765	Soil		0.7	28.4	17.7	56	0.2	27.7	10.6	473	2.61	7.5	1.6	5.7	45	<0.1	0.7	0.3	28	0.50	0.047	34
1224766	Soil		0.6	27.1	18.2	59	<0.1	24.2	11.1	248	2.77	7.6	2.4	10.2	22	<0.1	1.6	0.3	18	0.19	0.038	35
1224767	Soil		0.5	23.9	15.7	55	<0.1	23.2	9.9	333	2.40	6.7	6.9	7.4	28	<0.1	1.2	0.2	20	0.29	0.038	32
1224768	Soil		0.5	28.8	17.1	58	<0.1	24.8	11.1	333	2.55	7.3	2.4	8.3	29	<0.1	1.2	0.3	23	0.29	0.039	35
1224769	Soil		0.6	29.2	16.3	59	0.1	24.9	10.9	385	2.50	7.2	3.7	7.5	33	0.1	1.1	0.3	24	0.33	0.044	35
1224770	Soil		1.0	21.0	12.0	49	<0.1	18.5	7.0	203	2.43	10.4	2.9	5.8	12	<0.1	1.6	0.2	43	0.08	0.017	20
1224771	Soil		1.1	37.9	13.3	59	<0.1	25.6	11.9	349	2.93	15.5	13.0	7.1	17	<0.1	1.5	0.3	56	0.12	0.017	23
1224772	Soil		0.9	30.2	12.9	54	<0.1	24.3	9.8	338	2.47	13.2	5.8	6.1	17	<0.1	1.6	0.2	44	0.11	0.018	23
1224773	Soil		0.6	24.6	13.1	53	<0.1	19.0	8.7	242	2.26	6.3	1.6	9.1	19	<0.1	0.4	0.3	18	0.05	0.023	45
1224774	Soil		0.6	23.8	14.8	46	<0.1	15.4	7.8	227	2.61	6.6	2.0	13.5	9	<0.1	0.4	0.2	20	0.02	0.022	48
1224775	Soil		0.7	35.0	20.0	73	<0.1	22.8	11.2	257	3.15	5.0	1.6	15.1	12	<0.1	0.3	0.4	14	0.03	0.029	52
1224776	Soil		0.9	34.6	24.5	69	0.1	29.6	14.5	431	3.52	9.9	4.2	10.1	11	<0.1	0.6	0.3	31	0.05	0.035	38

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1224747	Soil	19	0.43	79	0.010	<1	1.19	0.003	0.03	0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1224748	Soil	20	0.35	144	0.025	<1	1.11	0.008	0.03	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1224749	Soil	16	0.28	95	0.015	<1	0.83	0.004	0.03	0.2	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1224750	Soil	19	0.33	116	0.021	1	1.06	0.004	0.04	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1224751	Soil	15	0.25	51	0.018	<1	0.79	0.004	0.03	0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1224752	Soil	19	0.48	59	0.008	<1	1.23	0.004	0.04	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1224753	Soil	15	0.32	62	0.014	<1	0.79	0.004	0.04	<0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1224754	Soil	19	0.34	104	0.011	<1	1.02	0.005	0.04	0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
1224755	Soil	16	0.33	106	0.016	<1	0.99	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1224756	Soil	17	0.31	106	0.010	1	0.96	0.005	0.05	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1224757	Soil	18	0.34	120	0.019	<1	1.11	0.006	0.04	0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1224758	Soil	17	0.31	173	0.014	<1	0.96	0.007	0.05	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1224759	Soil	18	0.32	200	0.014	<1	1.08	0.005	0.05	0.2	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1224760	Soil	17	0.29	157	0.022	<1	0.92	0.007	0.04	0.1	0.03	1.9	<0.1	<0.05	3	0.6	<0.2
1224761	Soil	15	0.24	117	0.013	<1	0.81	0.005	0.04	0.1	0.06	1.7	<0.1	<0.05	3	<0.5	<0.2
1224762	Soil	16	0.27	127	0.012	<1	0.89	0.005	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1224763	Soil	15	0.25	109	0.011	<1	0.98	0.005	0.05	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1224764	Soil	15	0.27	144	0.017	<1	0.80	0.006	0.04	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1224765	Soil	18	0.33	283	0.010	<1	1.09	0.009	0.06	0.1	0.07	2.2	<0.1	<0.05	3	<0.5	<0.2
1224766	Soil	15	0.25	91	0.009	<1	0.68	0.006	0.07	0.1	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
1224767	Soil	15	0.28	135	0.007	<1	0.78	0.005	0.05	0.1	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
1224768	Soil	17	0.32	170	0.010	1	0.90	0.005	0.06	0.2	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2
1224769	Soil	17	0.33	187	0.012	1	0.95	0.006	0.06	0.1	0.06	2.2	<0.1	<0.05	3	<0.5	<0.2
1224770	Soil	25	0.38	185	0.031	<1	1.55	0.006	0.06	0.1	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1224771	Soil	31	0.51	313	0.066	2	1.77	0.010	0.08	0.2	0.07	6.3	0.1	<0.05	5	<0.5	<0.2
1224772	Soil	26	0.44	298	0.046	<1	1.37	0.008	0.06	0.2	0.07	4.1	<0.1	<0.05	4	<0.5	<0.2
1224773	Soil	13	0.15	145	0.012	<1	0.66	0.005	0.05	<0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1224774	Soil	14	0.15	84	0.011	<1	0.79	0.004	0.05	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1224775	Soil	13	0.25	87	0.006	<1	0.77	0.004	0.04	<0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1224776	Soil	19	0.28	154	0.025	<1	1.03	0.005	0.04	0.2	0.12	2.6	<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
1224777	Soil		0.9	20.5	21.4	77	<0.1	10.3	5.9	244	3.62	5.4	1.6	14.5	12	<0.1	0.2	0.4	18	0.02	0.025	43
1224778	Soil		0.8	27.4	17.5	65	<0.1	24.6	10.5	258	3.57	8.7	1.3	9.4	13	<0.1	0.4	0.3	21	0.07	0.031	35
1224779	Soil		0.5	19.0	9.5	44	<0.1	14.5	5.9	195	1.65	8.1	7.7	2.1	11	<0.1	0.7	0.2	28	0.12	0.045	18
1224780	Soil		0.6	30.4	15.8	62	<0.1	22.4	8.8	245	2.80	7.0	2.6	9.3	6	<0.1	0.4	0.3	18	0.03	0.026	33
1224781	Soil		0.7	18.5	14.0	54	<0.1	16.3	7.2	179	2.46	10.4	2.7	6.7	8	<0.1	0.6	0.2	43	0.06	0.027	18
1224782	Soil		0.7	21.9	13.1	48	<0.1	18.8	8.0	223	2.24	7.4	9.3	6.8	7	<0.1	0.5	0.2	30	0.05	0.027	25
1224783	Soil		0.6	34.4	18.9	72	<0.1	30.8	12.5	436	3.08	8.1	<0.5	12.2	15	<0.1	0.6	0.3	17	0.16	0.038	39
1224784	Soil		0.7	21.1	12.2	50	<0.1	19.3	8.0	234	2.19	6.6	0.8	7.8	9	<0.1	0.4	0.2	22	0.08	0.025	33
1224785	Soil		0.9	21.2	13.9	52	<0.1	18.5	7.0	192	2.45	9.1	9.9	8.4	8	<0.1	0.5	0.2	34	0.05	0.030	24
1224786	Soil		0.7	21.4	11.8	47	<0.1	17.4	6.3	170	2.15	8.1	1.3	9.0	7	<0.1	0.5	0.2	26	0.04	0.021	29
1224787	Soil		0.9	32.6	16.9	64	<0.1	25.5	10.4	264	2.68	9.1	2.6	10.7	8	<0.1	0.6	0.3	28	0.04	0.024	34
1224788	Soil		0.9	27.8	14.2	51	<0.1	22.6	9.4	223	2.36	6.3	3.6	9.2	9	<0.1	0.4	0.2	24	0.04	0.017	32
1224789	Soil		0.8	20.9	11.7	48	<0.1	17.4	7.5	202	2.02	8.2	1.4	6.5	10	<0.1	0.5	0.2	33	0.10	0.031	22
1224790	Soil		0.8	29.6	17.7	63	<0.1	27.2	11.1	240	2.59	5.2	1.3	13.9	7	<0.1	0.3	0.2	16	0.04	0.023	49
1224791	Soil		0.9	28.7	18.6	59	<0.1	25.7	10.9	368	2.61	6.3	1.2	10.4	11	<0.1	0.3	0.3	18	0.10	0.030	46
1224792	Soil		0.7	20.8	15.7	52	0.2	20.9	12.2	521	2.06	4.4	2.3	4.2	28	<0.1	0.3	0.2	21	0.31	0.069	30
1224793	Soil		0.8	33.5	22.3	64	0.1	25.6	10.6	238	3.23	5.3	1.7	10.8	19	0.1	0.3	0.3	16	0.19	0.042	40
1224794	Soil		0.7	19.1	12.6	32	<0.1	12.2	4.2	101	1.62	7.1	3.7	0.5	9	<0.1	0.4	0.2	28	0.08	0.041	20
1224795	Soil		0.5	28.6	18.2	55	<0.1	26.2	10.9	296	2.50	7.2	2.9	9.8	7	<0.1	0.6	0.2	33	0.04	0.022	35
1224796	Soil		0.8	25.9	14.6	53	<0.1	22.4	9.7	244	2.46	8.4	6.0	8.0	8	<0.1	0.5	0.2	31	0.05	0.018	26
1224797	Soil		0.8	27.1	12.4	51	<0.1	20.0	8.7	275	2.09	11.3	9.1	5.0	10	<0.1	0.7	0.2	36	0.09	0.024	18
1224798	Soil		0.7	24.1	9.8	45	<0.1	18.8	8.5	280	1.95	9.5	2.1	5.9	9	<0.1	0.7	0.1	29	0.07	0.021	21
1224799	Soil		0.8	17.2	14.4	42	<0.1	15.2	5.7	152	2.22	9.3	8.8	5.5	8	<0.1	0.6	0.2	35	0.05	0.020	22
1224800	Soil		0.9	37.8	18.8	53	<0.1	24.9	11.2	359	2.75	7.4	2.6	11.3	7	<0.1	0.6	0.2	23	0.03	0.016	33
1224801	Soil		0.7	29.0	17.6	57	<0.1	22.7	9.7	283	2.62	6.1	1.3	10.6	7	<0.1	0.4	0.2	26	0.04	0.029	31
1224802	Soil		0.8	22.6	14.7	48	<0.1	19.5	8.3	251	2.34	8.5	3.6	7.9	7	<0.1	0.5	0.2	32	0.05	0.018	25
1224803	Soil		1.0	21.0	15.3	53	0.2	17.4	9.4	302	2.76	11.2	1.8	7.6	8	<0.1	0.6	0.2	44	0.05	0.026	20
1224804	Soil		0.8	23.3	12.4	48	<0.1	19.3	8.3	237	2.32	6.6	4.6	7.2	8	<0.1	0.5	0.2	29	0.05	0.017	24
1224805	Soil		0.8	30.0	14.5	55	<0.1	22.8	9.6	277	2.48	7.1	2.0	8.2	8	<0.1	0.6	0.2	28	0.05	0.017	28
1224806	Soil		0.8	26.8	14.0	52	<0.1	20.8	9.9	303	2.49	7.7	7.8	8.3	8	<0.1	0.6	0.2	31	0.05	0.018	27

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

Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

		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
1224777	Soil		22	0.69	69	0.007	<1	1.59	0.005	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1224778	Soil		17	0.40	154	0.015	<1	1.10	0.005	0.05	<0.1	0.07	1.9	<0.1	<0.05	3	<0.5	<0.2
1224779	Soil		17	0.30	122	0.030	2	0.93	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1224780	Soil		16	0.39	68	0.008	2	1.01	0.003	0.04	<0.1	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1224781	Soil		27	0.38	147	0.038	3	1.52	0.005	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
1224782	Soil		17	0.35	118	0.023	2	1.10	0.004	0.03	0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1224783	Soil		16	0.42	127	0.012	1	1.10	0.004	0.06	<0.1	0.06	1.7	<0.1	<0.05	3	<0.5	<0.2
1224784	Soil		15	0.32	113	0.017	1	0.91	0.004	0.04	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1224785	Soil		22	0.34	108	0.023	1	1.35	0.005	0.05	0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1224786	Soil		17	0.29	78	0.022	1	1.03	0.003	0.04	0.1	0.05	1.7	<0.1	<0.05	3	<0.5	<0.2
1224787	Soil		19	0.29	117	0.021	1	1.03	0.003	0.04	0.1	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1224788	Soil		16	0.28	137	0.021	<1	0.96	0.003	0.03	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1224789	Soil		20	0.36	131	0.033	<1	1.14	0.005	0.04	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1224790	Soil		12	0.18	107	0.008	<1	0.62	0.003	0.04	<0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1224791	Soil		13	0.25	112	0.009	<1	0.67	0.004	0.04	<0.1	0.03	1.2	<0.1	<0.05	2	<0.5	<0.2
1224792	Soil		16	0.28	248	0.006	<1	0.91	0.005	0.04	<0.1	0.07	1.5	<0.1	<0.05	3	0.7	<0.2
1224793	Soil		12	0.18	158	0.004	<1	0.56	0.004	0.04	<0.1	0.08	1.5	<0.1	<0.05	2	<0.5	<0.2
1224794	Soil		17	0.21	87	0.011	<1	0.82	0.004	0.03	0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1224795	Soil		27	0.36	114	0.019	<1	1.05	0.003	0.05	0.1	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1224796	Soil		20	0.33	131	0.020	<1	1.11	0.004	0.04	<0.1	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
1224797	Soil		21	0.35	217	0.037	<1	1.12	0.006	0.04	0.2	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
1224798	Soil		17	0.28	130	0.034	1	0.84	0.004	0.04	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1224799	Soil		20	0.28	115	0.024	<1	1.10	0.004	0.05	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1224800	Soil		17	0.27	104	0.015	<1	0.94	0.004	0.07	0.1	0.09	2.5	0.1	<0.05	2	<0.5	<0.2
1224801	Soil		17	0.28	86	0.021	<1	0.89	0.004	0.10	<0.1	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
1224802	Soil		20	0.33	121	0.026	1	1.10	0.003	0.06	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1224803	Soil		24	0.35	158	0.031	<1	1.49	0.004	0.06	0.1	0.03	2.7	0.1	<0.05	4	<0.5	<0.2
1224804	Soil		19	0.29	102	0.019	1	0.99	0.004	0.07	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1224805	Soil		19	0.32	119	0.020	<1	1.01	0.004	0.07	0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
1224806	Soil		20	0.31	169	0.023	<1	1.09	0.004	0.06	0.1	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 28, 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
1224807	Soil	0.8	21.6	12.1	47	<0.1	18.0	7.3	208	2.26	6.9	2.2	7.1	7	<0.1	0.5	0.2	29	0.05	0.018	22
1224808	Soil	0.9	23.2	10.9	48	<0.1	16.9	7.9	201	2.08	9.9	2.8	5.5	8	<0.1	0.7	0.2	35	0.05	0.014	19
1224809	Soil	0.8	22.7	16.9	51	<0.1	19.9	8.1	222	2.38	8.6	2.6	7.0	8	0.2	0.5	0.2	34	0.05	0.019	21
1224810	Soil	0.7	25.2	15.2	49	<0.1	21.4	8.7	215	2.31	5.8	13.7	7.9	7	<0.1	0.4	0.2	22	0.04	0.018	29
1224811	Soil	0.6	35.4	17.8	62	<0.1	25.9	12.2	419	2.87	6.4	4.0	10.0	11	<0.1	0.4	0.3	19	0.14	0.046	36
1224812	Soil	0.6	30.2	17.8	52	<0.1	23.9	10.6	447	2.60	5.6	7.1	8.1	17	<0.1	0.5	0.3	21	0.27	0.036	32
1224813	Soil	0.8	42.5	22.8	78	0.2	36.8	17.1	879	3.12	4.3	5.0	7.0	35	0.2	0.5	0.4	18	0.57	0.082	44
1224814	Soil	0.7	35.3	18.4	63	0.1	26.6	11.8	508	2.66	5.6	3.6	7.9	24	0.1	0.5	0.3	19	0.42	0.056	34
1224815	Soil	0.8	18.8	13.7	53	<0.1	16.3	7.4	344	2.19	7.3	2.6	7.8	14	<0.1	0.5	0.2	26	0.16	0.025	25
1224816	Soil	1.0	32.3	19.4	81	<0.1	29.9	12.3	385	3.34	8.9	22.7	11.8	14	0.1	0.7	0.3	28	0.10	0.030	38
1224817	Soil	0.8	13.9	11.1	43	<0.1	12.9	5.0	221	1.86	5.8	1.1	6.2	9	<0.1	0.5	0.2	25	0.08	0.027	22
1224818	Soil	0.6	34.2	20.0	79	<0.1	28.4	12.0	328	3.18	6.3	5.6	14.3	16	0.1	0.8	0.4	16	0.14	0.036	46
1224819	Soil	0.5	42.5	24.4	87	<0.1	39.9	16.3	597	3.69	8.6	2.4	16.4	23	<0.1	0.8	0.4	17	0.35	0.045	49
1224820	Soil	0.6	38.7	21.1	79	<0.1	34.8	13.3	441	3.27	8.5	2.0	11.4	24	0.1	1.3	0.4	17	0.37	0.041	44
1224821	Soil	0.6	33.8	23.7	70	<0.1	30.3	12.0	326	3.01	10.4	1.7	11.5	25	<0.1	1.9	0.3	22	0.31	0.041	39
1224822	Soil	0.7	22.2	15.2	68	<0.1	26.6	11.5	1167	2.58	8.1	1.8	5.6	31	0.2	0.7	0.3	21	0.39	0.056	31
1224823	Soil	1.0	29.0	15.0	77	0.2	38.7	22.6	4892	3.14	8.5	3.8	4.1	39	0.5	1.0	0.2	23	0.54	0.067	30
1224824	Soil	0.4	24.6	10.8	59	<0.1	24.6	9.0	228	2.68	11.6	5.9	13.3	11	<0.1	0.6	0.2	21	0.05	0.025	56
1224825	Soil	0.7	21.0	11.8	48	<0.1	18.2	7.2	237	2.24	11.0	4.8	5.9	13	<0.1	0.8	0.2	36	0.11	0.037	25
1224826	Soil	0.8	19.2	9.2	66	<0.1	17.3	7.8	261	2.01	10.5	3.8	3.5	15	<0.1	0.8	0.2	32	0.16	0.067	21
1224827	Soil	0.8	17.9	9.3	54	<0.1	15.7	6.9	245	1.96	10.0	2.3	2.6	14	0.1	0.7	0.2	33	0.15	0.064	20
1224828	Soil	1.1	30.3	14.8	66	<0.1	26.8	10.6	314	2.85	12.9	2.1	7.6	16	0.1	1.0	0.2	42	0.10	0.016	33
1224829	Soil	1.0	26.9	11.7	51	<0.1	27.4	10.5	255	2.48	12.5	2.6	8.1	9	<0.1	0.9	0.2	34	0.07	0.025	31
1224830	Soil	1.0	25.0	11.2	58	<0.1	20.8	8.9	306	2.49	9.4	2.8	5.6	18	<0.1	1.0	0.2	44	0.15	0.023	27
1224831	Soil	0.7	22.6	12.6	56	<0.1	24.7	10.0	205	2.96	8.5	2.6	9.6	10	<0.1	0.7	0.2	34	0.06	0.021	32
1224832	Soil	1.1	25.4	10.6	56	<0.1	25.0	8.3	244	3.06	9.6	1.7	9.7	11	<0.1	0.9	0.3	30	0.06	0.035	41
1224833	Soil	0.9	26.7	10.4	64	<0.1	22.7	8.6	334	2.20	10.4	3.8	5.5	21	<0.1	0.9	0.2	38	0.21	0.052	23
1224834	Soil	0.8	18.4	8.8	55	<0.1	16.1	6.5	228	1.92	10.1	3.0	3.1	14	0.2	0.8	0.2	30	0.15	0.061	19
1224835	Soil	0.9	21.6	9.8	54	<0.1	17.3	5.9	205	2.12	9.4	3.0	1.5	18	0.1	0.7	0.2	40	0.18	0.052	19
1224836	Soil	0.7	23.3	9.9	63	0.1	21.4	7.9	241	1.99	9.1	1.1	4.1	28	<0.1	0.8	0.2	42	0.29	0.059	20

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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
1224807	Soil	18	0.29	103	0.020	<1	0.96	0.003	0.06	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1224808	Soil	22	0.34	158	0.034	1	1.13	0.004	0.04	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
1224809	Soil	20	0.27	112	0.024	1	1.08	0.005	0.06	0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1224810	Soil	15	0.20	97	0.014	<1	0.69	0.003	0.08	<0.1	0.03	1.2	<0.1	<0.05	2	<0.5	<0.2
1224811	Soil	13	0.26	131	0.009	1	0.75	0.003	0.07	0.1	0.04	1.7	0.1	<0.05	2	<0.5	<0.2
1224812	Soil	14	0.22	152	0.010	<1	0.78	0.004	0.06	0.1	0.07	2.2	0.2	<0.05	2	<0.5	<0.2
1224813	Soil	15	0.20	291	0.004	1	1.02	0.005	0.07	<0.1	0.07	3.1	0.2	<0.05	2	<0.5	<0.2
1224814	Soil	15	0.27	199	0.008	1	0.80	0.005	0.07	0.1	0.07	2.0	0.1	<0.05	2	<0.5	<0.2
1224815	Soil	17	0.35	180	0.014	<1	0.98	0.004	0.06	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1224816	Soil	27	0.48	137	0.013	1	1.23	0.006	0.09	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1224817	Soil	13	0.29	142	0.017	<1	0.84	0.004	0.07	0.2	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1224818	Soil	17	0.38	104	0.005	1	0.98	0.004	0.11	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1224819	Soil	23	0.53	78	0.006	2	1.39	0.009	0.16	<0.1	0.08	2.6	<0.1	<0.05	4	<0.5	<0.2
1224820	Soil	19	0.36	99	0.005	1	0.98	0.006	0.10	<0.1	0.08	2.2	<0.1	<0.05	3	<0.5	<0.2
1224821	Soil	20	0.40	132	0.012	2	1.12	0.006	0.10	<0.1	0.08	2.4	<0.1	<0.05	3	<0.5	<0.2
1224822	Soil	17	0.39	231	0.010	2	0.98	0.008	0.07	<0.1	0.06	1.7	<0.1	<0.05	3	<0.5	<0.2
1224823	Soil	17	0.35	561	0.012	1	1.01	0.007	0.07	0.2	0.09	1.9	<0.1	<0.05	3	<0.5	<0.2
1224824	Soil	16	0.36	136	0.018	<1	0.98	0.005	0.05	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1224825	Soil	21	0.39	175	0.037	2	1.28	0.007	0.05	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1224826	Soil	19	0.38	198	0.036	2	1.08	0.006	0.05	0.2	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1224827	Soil	19	0.37	183	0.032	<1	1.11	0.007	0.05	0.2	0.03	2.2	<0.1	<0.05	3	1.1	<0.2
1224828	Soil	28	0.53	309	0.033	2	1.64	0.009	0.05	0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
1224829	Soil	23	0.42	156	0.026	<1	1.47	0.005	0.05	0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1224830	Soil	26	0.52	277	0.045	2	1.48	0.011	0.05	0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
1224831	Soil	24	0.53	157	0.027	1	1.62	0.005	0.05	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1224832	Soil	23	0.53	113	0.021	<1	1.45	0.007	0.05	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1224833	Soil	21	0.41	395	0.041	1	1.16	0.007	0.05	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1224834	Soil	17	0.35	190	0.028	2	0.98	0.005	0.04	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1224835	Soil	21	0.37	217	0.030	<1	1.27	0.007	0.05	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1224836	Soil	23	0.43	399	0.046	2	1.22	0.013	0.05	0.2	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

		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
1224837	Soil		0.7	27.2	14.7	56	<0.1	21.2	8.9	259	2.56	9.3	22.2	10.9	17	<0.1	2.2	0.3	25	0.06	0.024	48
1224838	Soil		0.8	24.9	9.4	59	<0.1	19.3	7.1	255	2.05	11.7	4.8	6.0	13	<0.1	1.0	0.2	28	0.12	0.040	24
1224839	Soil		0.8	22.1	13.2	62	<0.1	18.8	7.4	263	2.32	8.3	1.9	7.6	16	0.1	1.0	0.2	30	0.12	0.033	31
1224840	Soil		1.0	19.7	10.8	52	<0.1	16.8	6.1	186	2.06	9.1	3.8	4.9	14	<0.1	0.9	0.2	36	0.13	0.039	21
1224841	Soil		0.9	29.6	19.6	65	<0.1	28.6	11.6	252	3.02	11.0	4.6	13.3	20	<0.1	1.0	0.3	25	0.05	0.021	40
1224842	Soil		0.9	28.8	16.3	57	<0.1	21.1	8.7	223	2.72	8.8	3.9	13.6	14	<0.1	1.3	0.3	21	0.04	0.022	47
1224843	Soil		0.7	26.0	16.5	61	<0.1	22.7	8.7	258	2.49	8.7	1.8	9.8	11	<0.1	1.7	0.2	23	0.07	0.026	39
1224844	Soil		0.7	36.3	15.6	76	<0.1	30.1	11.7	373	2.90	13.6	5.9	7.1	21	<0.1	0.9	0.2	46	0.15	0.034	27
1224845	Soil		1.1	29.9	16.0	68	<0.1	25.6	9.4	290	2.61	10.8	5.0	7.7	17	<0.1	1.0	0.2	33	0.15	0.040	31
1224846	Soil		0.8	26.4	14.2	65	<0.1	20.6	8.5	250	2.27	9.6	2.1	7.0	21	<0.1	1.1	0.2	31	0.22	0.054	27
1224847	Soil		0.7	21.4	12.8	52	0.1	16.6	6.0	151	1.80	8.7	2.5	4.5	18	0.1	0.8	0.2	31	0.18	0.053	25
1224848	Soil		0.6	25.0	9.0	48	<0.1	20.0	6.5	168	1.85	10.9	6.8	4.2	21	<0.1	0.8	0.2	31	0.24	0.060	19
1224849	Soil		0.5	17.3	8.9	44	<0.1	14.3	5.1	130	1.71	8.9	1.9	2.7	15	<0.1	0.6	0.2	29	0.17	0.054	17
1224850	Soil		0.7	21.6	9.2	44	<0.1	16.4	6.0	193	1.84	8.2	7.3	4.6	14	<0.1	1.2	0.1	27	0.14	0.041	23
1224851	Soil		0.7	18.9	9.7	51	0.2	20.0	13.5	629	1.87	9.2	2.1	2.3	23	<0.1	0.7	0.2	28	0.35	0.070	13
1224852	Soil		0.8	44.7	17.6	71	0.1	35.2	14.6	803	3.37	6.8	3.4	10.9	43	0.1	0.7	0.3	13	0.64	0.060	36
1224853	Soil		0.5	17.9	12.8	50	0.1	14.6	8.1	376	1.97	7.3	0.8	3.4	55	0.2	0.6	0.2	17	0.71	0.050	15
1224854	Soil		0.7	29.2	17.0	60	0.1	18.4	8.8	199	2.45	9.2	8.4	6.2	25	0.2	0.9	0.2	20	0.33	0.050	23
1224855	Soil		0.6	17.6	11.2	54	<0.1	15.7	7.3	774	2.15	8.5	0.7	3.4	38	0.2	0.7	0.2	20	0.52	0.056	13
1224856	Soil		0.6	26.5	16.8	70	<0.1	20.0	8.3	186	3.23	7.3	1.3	8.8	5	<0.1	0.3	0.2	20	0.03	0.026	41
1224857	Soil		0.7	27.3	19.0	68	<0.1	22.4	9.0	200	3.03	6.4	2.2	10.1	4	<0.1	0.3	0.2	18	0.02	0.024	41
1224858	Soil		0.6	20.9	13.0	50	<0.1	15.4	5.8	129	2.26	7.9	2.6	6.1	9	<0.1	0.4	0.2	22	0.04	0.027	26
1224859	Soil		0.5	28.6	16.9	62	<0.1	25.4	10.4	360	2.68	11.3	1.5	8.8	7	<0.1	0.9	0.2	19	0.06	0.032	35
1224860	Soil		0.6	22.1	12.3	59	0.1	19.2	7.5	203	2.00	9.6	6.2	3.0	14	0.1	0.7	0.2	20	0.19	0.054	24
1224861	Soil		0.7	22.9	10.9	65	0.1	20.8	7.9	209	1.98	8.3	2.8	4.3	13	0.2	0.5	0.2	27	0.17	0.054	21
1224862	Soil		0.6	24.6	12.1	55	0.2	20.9	8.7	200	1.89	6.3	2.5	3.8	20	<0.1	0.5	0.2	24	0.28	0.055	23
1224863	Soil		0.9	25.9	11.3	63	0.1	21.5	8.1	216	2.17	11.9	9.6	5.0	16	0.2	0.8	0.2	28	0.24	0.064	16
1224864	Soil		0.7	22.0	14.6	47	<0.1	14.5	6.1	133	2.26	8.7	2.8	5.0	8	<0.1	1.1	0.2	20	0.08	0.033	30
1224865	Soil		0.6	30.6	17.2	66	<0.1	25.8	12.5	258	2.49	14.7	6.2	7.1	8	<0.1	2.0	0.2	13	0.05	0.036	36
1224866	Soil		0.5	25.3	12.7	55	<0.1	20.4	8.7	213	2.14	11.6	4.0	5.0	8	<0.1	1.3	0.2	16	0.07	0.036	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
1224837	Soil	14	0.27	185	0.017	<1	0.95	0.009	0.06	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1224838	Soil	18	0.35	156	0.032	<1	1.00	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1224839	Soil	18	0.32	220	0.027	<1	1.02	0.006	0.05	0.1	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1224840	Soil	21	0.38	176	0.035	2	1.24	0.007	0.05	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1224841	Soil	15	0.22	142	0.019	<1	0.90	0.007	0.04	<0.1	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1224842	Soil	15	0.18	82	0.009	<1	0.91	0.005	0.05	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1224843	Soil	16	0.38	131	0.020	<1	1.02	0.007	0.05	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1224844	Soil	30	0.52	403	0.044	2	1.58	0.010	0.07	0.1	0.06	4.5	0.1	<0.05	4	<0.5	<0.2
1224845	Soil	21	0.46	250	0.028	<1	1.26	0.008	0.06	0.1	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1224846	Soil	19	0.41	224	0.030	<1	1.15	0.007	0.06	0.2	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1224847	Soil	18	0.32	246	0.024	<1	1.07	0.006	0.05	0.2	0.06	1.9	<0.1	<0.05	3	<0.5	<0.2
1224848	Soil	18	0.34	349	0.030	<1	0.98	0.007	0.05	0.3	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1224849	Soil	17	0.31	211	0.025	<1	0.98	0.006	0.04	0.2	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1224850	Soil	16	0.31	191	0.021	1	0.98	0.006	0.05	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1224851	Soil	16	0.24	296	0.010	1	0.97	0.008	0.03	0.3	0.07	2.7	<0.1	<0.05	3	<0.5	<0.2
1224852	Soil	9	0.13	154	0.005	1	0.48	0.004	0.04	0.1	0.09	3.0	<0.1	<0.05	1	<0.5	<0.2
1224853	Soil	11	0.20	147	0.005	1	0.57	0.004	0.03	0.1	0.04	1.5	<0.1	<0.05	2	<0.5	<0.2
1224854	Soil	14	0.26	212	0.007	<1	0.79	0.004	0.03	0.2	0.05	2.2	<0.1	<0.05	2	<0.5	<0.2
1224855	Soil	12	0.21	178	0.011	2	0.62	0.004	0.03	0.4	0.06	1.6	<0.1	<0.05	2	<0.5	<0.2
1224856	Soil	19	0.54	80	0.009	<1	1.33	0.005	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1224857	Soil	17	0.52	90	0.006	<1	1.23	0.006	0.04	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1224858	Soil	17	0.30	72	0.017	<1	1.00	0.004	0.05	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1224859	Soil	15	0.27	140	0.015	<1	0.89	0.009	0.08	0.6	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
1224860	Soil	15	0.27	153	0.014	<1	0.81	0.005	0.04	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1224861	Soil	18	0.27	291	0.019	2	0.89	0.005	0.03	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1224862	Soil	17	0.27	241	0.015	<1	0.87	0.008	0.03	0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1224863	Soil	16	0.28	336	0.025	3	0.76	0.007	0.04	0.3	0.05	2.4	<0.1	<0.05	2	<0.5	<0.2
1224864	Soil	15	0.27	122	0.010	<1	0.85	0.004	0.04	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1224865	Soil	11	0.15	94	0.006	<1	0.54	0.004	0.03	0.1	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1224866	Soil	12	0.18	115	0.009	<1	0.60	0.004	0.04	0.1	0.03	1.7	<0.1	<0.05	2	<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
1224867	Soil	0.5	27.0	12.6	58	<0.1	22.4	8.6	289	2.20	11.7	3.1	6.1	10	<0.1	1.3	0.2	19	0.10	0.040	29
1224868	Soil	0.7	25.1	11.1	55	0.1	20.2	8.0	286	2.05	11.0	3.0	3.8	13	<0.1	0.8	0.1	28	0.16	0.053	17
1224869	Soil	0.6	25.0	11.6	57	0.1	20.7	8.1	234	2.06	10.8	4.0	3.7	13	<0.1	0.8	0.2	28	0.16	0.049	17
1224870	Soil	0.8	25.3	13.8	61	0.1	20.6	8.7	313	2.17	11.8	3.6	3.5	12	<0.1	0.9	0.2	29	0.15	0.046	19
1224871	Soil	0.8	28.1	16.4	60	0.1	23.0	10.6	388	2.36	13.0	4.8	4.6	12	<0.1	1.0	0.2	27	0.13	0.044	22
1224872	Soil	0.5	28.0	13.1	60	<0.1	23.0	9.0	228	2.24	12.2	10.7	7.6	8	<0.1	1.5	0.2	16	0.06	0.032	34
1224873	Soil	0.7	21.4	8.0	51	<0.1	19.1	6.0	172	1.79	7.6	3.0	3.3	20	<0.1	0.5	0.1	31	0.27	0.048	15
1224874	Soil	0.8	22.4	9.8	52	<0.1	19.7	6.7	210	1.91	8.3	1.7	3.1	21	<0.1	0.5	0.1	32	0.29	0.052	14
1224875	Soil	0.7	21.7	7.7	50	<0.1	17.9	5.8	162	1.75	6.8	5.6	3.6	19	<0.1	0.5	0.1	30	0.26	0.048	15
1224876	Soil	0.7	23.4	9.5	55	0.1	20.7	6.9	208	1.95	8.9	4.4	3.4	22	<0.1	0.6	0.2	33	0.29	0.050	15
1224877	Soil	0.5	15.9	8.8	43	<0.1	13.8	5.6	109	1.57	8.9	23.0	3.2	13	<0.1	0.5	0.1	24	0.19	0.051	14
1224878	Soil	0.5	22.9	8.6	46	0.1	17.6	6.9	166	1.72	9.4	2.9	3.6	15	<0.1	0.6	0.1	24	0.21	0.051	16
1224879	Soil	0.6	24.1	7.8	47	0.1	18.4	6.8	165	1.67	9.3	5.0	3.7	15	<0.1	0.6	0.1	23	0.21	0.052	14
1224880	Soil	0.6	31.1	14.1	67	<0.1	26.0	9.3	295	2.66	6.7	4.4	8.3	12	<0.1	1.2	0.2	17	0.13	0.050	33
1224881	Soil	0.6	25.0	13.1	56	<0.1	19.2	6.8	206	1.94	8.3	18.3	4.3	12	<0.1	0.9	0.2	22	0.17	0.041	24
1224882	Soil	0.6	25.8	14.6	59	<0.1	22.1	7.8	259	2.17	8.5	3.1	4.2	13	<0.1	0.9	0.2	22	0.18	0.043	25
1224883	Soil	0.7	24.8	13.6	59	<0.1	22.0	7.7	223	2.14	7.8	2.7	6.4	11	0.1	1.2	0.2	19	0.13	0.042	26
1224884	Soil	0.8	19.4	11.8	46	0.1	14.7	7.4	169	2.04	10.9	5.7	3.8	17	0.1	1.2	0.1	23	0.26	0.050	17
1224885	Soil	0.6	18.0	11.9	48	0.1	14.5	7.2	136	1.79	8.8	7.9	3.9	16	<0.1	1.1	0.1	22	0.26	0.048	17
1224886	Soil	0.7	17.0	11.7	43	0.1	14.3	5.8	92	1.68	8.6	14.9	4.5	14	0.1	1.0	0.1	22	0.23	0.047	17
1224887	Soil	0.7	20.6	13.3	48	0.1	15.1	6.1	136	1.81	10.9	5.6	4.4	21	0.1	1.5	0.2	21	0.27	0.060	17
1224888	Soil	0.6	17.1	12.2	48	0.1	13.9	6.3	141	1.73	10.1	2.8	3.9	21	<0.1	1.3	0.2	22	0.28	0.059	16
1224889	Soil	0.6	19.7	12.4	50	<0.1	16.0	6.9	363	1.93	11.0	9.7	5.3	21	<0.1	1.5	0.2	19	0.26	0.060	19
1224890	Soil	0.5	21.5	13.2	54	<0.1	18.2	7.3	385	2.00	11.0	2.8	4.9	25	0.2	1.5	0.2	19	0.33	0.060	20
1224891	Soil	0.6	19.0	12.9	52	0.1	15.9	6.7	300	2.07	11.1	10.5	4.8	23	0.1	1.4	0.2	20	0.31	0.066	20
1224892	Soil	0.6	21.5	14.2	53	0.1	17.7	7.8	281	2.22	12.0	3.1	5.1	24	0.2	1.7	0.2	20	0.32	0.065	21
1224893	Soil	0.6	22.7	13.8	56	0.1	18.3	7.2	258	2.13	12.0	5.4	4.5	27	0.2	1.8	0.2	21	0.33	0.063	21
1224894	Soil	0.5	17.9	12.2	49	<0.1	15.7	5.4	162	1.79	10.4	2.8	4.9	21	<0.1	1.3	0.2	20	0.27	0.061	19
1224895	Soil	0.5	19.6	13.2	50	<0.1	15.8	6.0	306	1.99	11.2	12.1	4.6	29	0.1	1.5	0.2	19	0.36	0.064	20
1224896	Soil	1.0	31.5	14.1	59	<0.1	23.3	8.2	227	2.76	14.3	6.3	6.1	11	<0.1	1.4	0.2	48	0.08	0.018	19

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1224867	Soil	13	0.22	183	0.013	<1	0.69	0.005	0.04	0.1	0.05	2.4	<0.1	<0.05	2	<0.5	<0.2
1224868	Soil	17	0.30	238	0.020	<1	0.93	0.005	0.04	0.2	0.04	3.2	<0.1	<0.05	3	<0.5	<0.2
1224869	Soil	17	0.29	250	0.021	1	0.94	0.007	0.04	0.1	0.04	3.2	<0.1	<0.05	3	<0.5	<0.2
1224870	Soil	17	0.29	265	0.019	1	0.98	0.005	0.03	0.2	0.05	2.9	<0.1	<0.05	3	<0.5	<0.2
1224871	Soil	17	0.27	261	0.019	<1	0.92	0.009	0.05	0.2	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
1224872	Soil	11	0.18	174	0.008	<1	0.60	0.004	0.05	0.1	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1224873	Soil	19	0.28	275	0.026	<1	0.97	0.006	0.03	0.2	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
1224874	Soil	20	0.29	286	0.023	<1	1.04	0.006	0.04	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1224875	Soil	19	0.28	251	0.032	<1	0.95	0.008	0.03	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
1224876	Soil	21	0.30	293	0.030	1	1.05	0.006	0.04	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1224877	Soil	14	0.24	171	0.018	<1	0.76	0.005	0.02	0.2	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1224878	Soil	16	0.26	275	0.018	<1	0.80	0.005	0.03	0.2	0.04	2.6	<0.1	<0.05	2	<0.5	<0.2
1224879	Soil	15	0.25	253	0.019	<1	0.73	0.005	0.03	0.2	0.05	2.5	<0.1	<0.05	2	<0.5	<0.2
1224880	Soil	13	0.14	92	0.010	<1	0.56	0.005	0.08	<0.1	0.04	1.9	<0.1	<0.05	2	<0.5	<0.2
1224881	Soil	13	0.20	127	0.018	<1	0.78	0.004	0.06	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1224882	Soil	15	0.19	138	0.016	<1	0.80	0.004	0.06	0.2	0.04	2.3	<0.1	<0.05	2	<0.5	<0.2
1224883	Soil	13	0.17	104	0.014	<1	0.66	0.003	0.06	0.1	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1224884	Soil	14	0.22	256	0.011	<1	0.77	0.005	0.03	0.3	0.05	2.1	<0.1	<0.05	2	<0.5	<0.2
1224885	Soil	14	0.22	238	0.012	<1	0.74	0.004	0.03	0.3	0.04	2.0	<0.1	<0.05	2	<0.5	<0.2
1224886	Soil	13	0.22	199	0.014	<1	0.72	0.004	0.03	0.3	0.05	2.0	<0.1	<0.05	2	<0.5	<0.2
1224887	Soil	15	0.29	244	0.012	1	0.82	0.007	0.03	0.3	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1224888	Soil	14	0.28	239	0.012	1	0.75	0.005	0.03	0.3	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1224889	Soil	14	0.26	156	0.014	<1	0.62	0.007	0.04	0.3	0.05	1.6	<0.1	<0.05	2	<0.5	<0.2
1224890	Soil	14	0.26	192	0.014	<1	0.66	0.020	0.04	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1224891	Soil	14	0.28	155	0.015	<1	0.72	0.007	0.05	0.4	0.06	1.6	0.1	<0.05	2	<0.5	<0.2
1224892	Soil	14	0.29	171	0.013	<1	0.73	0.012	0.05	0.3	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1224893	Soil	14	0.27	176	0.015	<1	0.69	0.007	0.04	0.3	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1224894	Soil	13	0.27	147	0.014	<1	0.66	0.006	0.04	0.3	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1224895	Soil	13	0.28	173	0.014	<1	0.69	0.006	0.04	0.2	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1224896	Soil	31	0.42	225	0.042	<1	1.59	0.013	0.07	0.2	0.04	4.8	0.1	<0.05	5	<0.5	<0.2

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Project: MQ+SEA
Report Date: November 28, 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
1224897	Soil	0.9	28.4	13.5	57	<0.1	22.3	7.9	208	2.73	14.9	0.7	6.1	11	<0.1	1.3	0.2	45	0.08	0.019	20
1224898	Soil	0.8	29.7	17.4	70	0.2	24.4	9.4	260	2.74	11.6	2.0	5.3	45	0.2	2.8	0.2	35	0.46	0.055	21
1224899	Soil	1.0	30.9	17.5	58	0.2	24.7	9.0	401	2.78	13.2	2.6	3.3	77	0.2	2.8	0.2	33	0.78	0.085	20
1224900	Soil	0.9	25.6	16.3	58	0.2	21.4	8.6	378	2.43	10.5	20.8	3.9	58	0.1	2.6	0.2	30	0.61	0.071	20
1224901	Soil	0.8	37.8	15.7	73	0.1	24.1	11.7	344	3.46	8.0	2.6	7.9	21	0.1	0.8	0.2	23	0.24	0.061	36
1224902	Soil	0.8	31.2	14.1	66	0.2	24.9	9.7	279	2.99	7.5	1.8	5.1	20	0.1	0.6	0.2	28	0.23	0.066	28
1224903	Soil	1.0	36.7	17.4	65	0.1	31.6	13.0	592	3.02	9.8	1.1	4.1	23	0.2	1.0	0.2	31	0.33	0.051	28
1224904	Soil	0.8	39.4	30.9	77	<0.1	26.2	12.3	481	3.21	6.1	2.3	12.1	14	0.1	0.7	0.6	17	0.14	0.038	59
1224905	Soil	1.0	28.5	14.2	71	0.1	21.2	7.9	209	2.20	11.0	4.3	6.5	26	0.2	0.8	0.2	25	0.31	0.067	25
1224906	Soil	1.1	34.7	21.5	83	0.2	29.7	11.8	323	3.05	8.4	1.8	9.6	34	0.2	0.7	0.4	30	0.34	0.065	36
1224907	Soil	0.7	19.3	15.2	61	0.2	17.9	10.8	409	2.88	7.4	14.0	4.3	77	0.3	0.6	0.3	27	0.80	0.072	20
1224908	Soil	0.5	28.5	13.2	67	0.2	21.5	7.4	195	1.78	8.3	48.9	4.6	51	0.5	0.9	0.2	33	0.40	0.059	17
1224909	Soil	1.1	12.8	12.3	50	<0.1	15.0	6.5	189	2.56	12.7	2.3	4.1	7	<0.1	0.7	0.2	47	0.06	0.028	14
1224910	Soil	1.2	25.1	13.5	70	0.1	24.0	11.1	371	2.99	13.2	0.7	6.0	13	0.2	0.7	0.2	54	0.11	0.026	20
1224911	Soil	0.7	19.4	13.3	56	0.2	16.2	7.8	202	2.03	8.1	4.8	5.2	22	<0.1	1.0	0.2	25	0.21	0.070	21
1224912	Soil	0.9	11.8	10.3	42	0.1	13.7	4.2	111	1.73	8.5	1.1	1.0	25	0.1	0.6	0.1	31	0.28	0.065	14
1224913	Soil	0.6	17.3	11.6	53	<0.1	17.8	9.1	268	2.06	5.8	37.4	4.9	22	<0.1	0.5	0.2	25	0.26	0.053	21
1224914	Soil	1.0	35.0	14.6	61	0.2	32.6	12.0	573	2.27	8.5	4.1	3.5	26	0.2	0.7	0.2	34	0.29	0.051	23
1224915	Soil	1.2	23.4	18.2	67	0.1	22.2	10.7	363	2.83	11.4	20.5	6.1	25	<0.1	0.7	0.2	33	0.32	0.071	25
1224916	Soil	0.6	17.1	10.0	62	<0.1	18.4	7.9	343	1.90	8.4	0.6	4.4	20	0.1	0.7	0.1	32	0.25	0.065	16
1224917	Soil	1.0	28.0	11.6	77	0.1	29.0	9.2	232	2.43	12.8	3.8	4.6	25	0.2	0.8	0.2	40	0.34	0.070	17
1224918	Soil	0.8	22.6	12.0	55	<0.1	21.8	9.8	389	2.18	11.3	4.5	4.3	13	0.2	1.0	0.1	35	0.13	0.033	18
1224919	Soil	0.8	25.1	12.6	50	<0.1	20.7	8.5	200	2.39	10.5	4.4	5.6	8	<0.1	1.0	0.2	33	0.07	0.025	20
1224920	Soil	0.8	18.5	13.4	50	<0.1	15.9	6.3	202	2.26	11.7	0.6	4.8	10	<0.1	0.9	0.2	37	0.09	0.047	19
1224921	Soil	0.7	14.6	9.5	53	<0.1	17.3	7.6	273	1.86	11.7	2.0	3.4	10	0.1	0.7	0.1	23	0.12	0.066	11
1224922	Soil	0.8	11.0	11.2	36	<0.1	11.3	4.3	142	1.90	10.5	<0.5	3.1	8	<0.1	0.8	0.2	31	0.08	0.033	16
1224923	Soil	0.7	12.7	11.8	38	<0.1	13.2	4.4	142	1.80	11.0	<0.5	3.1	8	<0.1	0.8	0.2	29	0.07	0.034	15
1224924	Soil	0.7	31.0	12.2	59	0.1	19.5	8.1	284	2.14	11.7	1.7	5.3	13	0.1	1.0	0.2	32	0.12	0.048	22
1224925	Soil	0.8	23.0	10.7	55	<0.1	18.9	7.2	225	2.17	13.7	<0.5	4.1	12	<0.1	1.1	0.2	28	0.12	0.055	13
1224926	Soil	0.7	4.7	8.2	27	<0.1	6.9	2.5	90	1.46	8.7	<0.5	2.7	7	<0.1	0.5	0.1	29	0.08	0.031	10

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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
1224897	Soil	28	0.39	201	0.041	<1	1.58	0.014	0.05	0.2	0.06	4.8	<0.1	<0.05	4	<0.5	<0.2
1224898	Soil	25	0.41	254	0.024	1	1.28	0.008	0.09	0.2	0.06	2.9	<0.1	<0.05	4	0.5	<0.2
1224899	Soil	23	0.36	309	0.019	<1	1.30	0.008	0.07	0.2	0.09	2.8	0.1	0.06	4	1.2	<0.2
1224900	Soil	22	0.36	259	0.019	<1	1.22	0.008	0.07	0.3	0.08	2.5	0.1	<0.05	3	1.0	<0.2
1224901	Soil	18	0.42	219	0.009	<1	1.07	0.005	0.07	0.2	0.08	2.2	<0.1	<0.05	3	0.6	<0.2
1224902	Soil	20	0.43	246	0.010	<1	1.21	0.006	0.06	0.2	0.09	2.2	<0.1	<0.05	4	<0.5	<0.2
1224903	Soil	20	0.32	250	0.017	<1	1.17	0.011	0.05	0.2	0.15	3.1	<0.1	<0.05	3	0.6	<0.2
1224904	Soil	11	0.18	108	0.008	<1	0.61	0.006	0.07	<0.1	0.07	1.7	<0.1	<0.05	2	0.5	<0.2
1224905	Soil	17	0.32	215	0.027	<1	0.89	0.008	0.04	0.2	0.04	2.2	<0.1	<0.05	3	0.5	<0.2
1224906	Soil	19	0.33	300	0.019	<1	1.04	0.008	0.05	0.2	0.07	2.8	<0.1	<0.05	3	0.6	<0.2
1224907	Soil	17	0.27	291	0.009	1	0.98	0.007	0.04	0.3	0.06	2.1	<0.1	0.06	3	1.0	<0.2
1224908	Soil	19	0.36	384	0.018	<1	1.04	0.007	0.04	0.3	0.07	2.5	<0.1	<0.05	3	<0.5	<0.2
1224909	Soil	25	0.34	115	0.042	<1	1.54	0.005	0.03	0.2	0.02	2.4	0.1	<0.05	5	0.7	<0.2
1224910	Soil	32	0.47	330	0.058	<1	1.96	0.011	0.06	0.2	0.05	5.1	0.1	<0.05	5	<0.5	<0.2
1224911	Soil	18	0.34	177	0.019	<1	0.96	0.005	0.06	0.2	0.11	1.9	0.1	<0.05	3	<0.5	<0.2
1224912	Soil	18	0.33	151	0.020	<1	0.98	0.005	0.03	0.4	0.05	1.2	<0.1	<0.05	3	0.6	<0.2
1224913	Soil	16	0.29	145	0.016	<1	0.80	0.006	0.05	0.3	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1224914	Soil	22	0.34	315	0.018	<1	1.19	0.007	0.05	0.2	0.06	3.0	0.1	<0.05	4	0.6	<0.2
1224915	Soil	20	0.34	255	0.014	<1	1.07	0.006	0.05	0.3	0.04	2.3	0.1	<0.05	3	<0.5	<0.2
1224916	Soil	19	0.37	224	0.030	<1	0.93	0.008	0.03	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1224917	Soil	26	0.41	411	0.028	<1	1.34	0.009	0.05	0.3	0.05	3.6	<0.1	<0.05	4	<0.5	<0.2
1224918	Soil	20	0.37	236	0.037	<1	1.07	0.006	0.04	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1224919	Soil	24	0.35	119	0.027	<1	1.43	0.004	0.05	0.2	0.05	3.5	<0.1	<0.05	3	0.7	<0.2
1224920	Soil	22	0.33	123	0.036	<1	1.23	0.007	0.05	0.3	0.03	2.6	0.1	<0.05	4	0.9	<0.2
1224921	Soil	15	0.29	55	0.026	<1	0.82	0.003	0.03	0.3	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1224922	Soil	17	0.27	99	0.027	<1	0.88	0.005	0.03	0.3	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1224923	Soil	18	0.29	99	0.018	<1	0.94	0.004	0.03	0.4	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1224924	Soil	19	0.40	282	0.024	<1	1.02	0.006	0.04	0.3	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
1224925	Soil	16	0.32	76	0.026	<1	0.84	0.004	0.03	0.4	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1224926	Soil	13	0.22	53	0.024	<1	0.67	0.003	0.02	0.2	0.03	0.9	<0.1	<0.05	2	0.6	<0.2

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

Project: MQ+SEA
Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1224927	Soil	0.6	18.5	9.1	44	<0.1	16.4	6.0	181	1.62	7.8	23.9	4.8	17	<0.1	0.8	0.1	23	0.17	0.050	16
1224928	Soil	0.6	13.4	11.3	48	<0.1	14.6	5.7	187	2.00	8.4	11.0	5.1	10	<0.1	0.6	0.2	27	0.10	0.044	17
1224929	Soil	0.6	25.1	13.9	49	<0.1	21.4	8.9	249	2.27	7.9	<0.5	7.8	9	<0.1	1.3	0.2	22	0.05	0.029	33
1224930	Soil	0.9	17.2	12.5	49	<0.1	17.5	7.8	201	2.26	11.0	6.0	5.3	9	0.1	1.0	0.2	31	0.06	0.031	18
1224931	Soil	0.6	23.5	15.4	57	<0.1	22.2	8.7	288	2.34	10.3	191.8	7.3	12	0.1	1.6	0.2	23	0.10	0.042	26
1224932	Soil	0.6	16.6	10.2	64	<0.1	19.6	10.9	355	2.06	13.8	<0.5	4.9	12	0.1	0.7	0.2	26	0.13	0.075	14
1224933	Soil	0.6	26.1	13.2	55	<0.1	31.7	10.3	303	2.32	8.8	5.6	8.6	14	0.1	0.9	0.2	26	0.10	0.041	32
1224934	Soil	0.6	27.3	16.9	62	<0.1	24.1	9.2	238	2.68	7.4	2.8	12.7	10	<0.1	0.6	0.2	20	0.07	0.041	43
1224935	Soil	0.5	17.4	8.3	58	<0.1	19.4	9.1	340	1.69	13.3	1.2	4.2	13	0.2	0.8	0.2	20	0.15	0.068	12
1224936	Soil	0.9	34.0	22.7	71	<0.1	32.2	13.4	518	2.83	10.6	1.6	14.1	19	0.2	2.3	0.3	20	0.14	0.051	40
1224937	Soil	0.7	18.5	11.2	50	<0.1	15.1	7.0	238	2.01	9.3	<0.5	4.3	15	0.1	0.8	0.2	26	0.12	0.051	18
1224938	Soil	0.6	14.2	12.1	42	<0.1	14.0	5.9	171	1.98	10.2	1.1	4.3	11	<0.1	0.9	0.2	38	0.07	0.027	18
1224939	Soil	0.9	30.6	16.3	68	<0.1	31.6	11.6	346	2.79	10.1	13.2	7.8	14	0.1	1.3	0.2	44	0.09	0.029	31
1224940	Soil	0.6	16.8	14.0	40	<0.1	16.7	6.1	205	2.00	8.9	6.0	3.4	11	<0.1	1.4	0.2	31	0.08	0.033	22
1224941	Soil	0.8	9.6	14.3	40	<0.1	13.4	5.7	150	2.44	10.0	<0.5	4.1	10	<0.1	0.6	0.2	53	0.06	0.023	16
1224942	Soil	0.7	13.4	13.4	45	<0.1	17.2	8.8	263	2.50	11.6	1.1	6.5	9	0.2	0.8	0.2	37	0.07	0.030	14
1224943	Soil	0.5	23.9	17.1	46	<0.1	18.9	9.5	233	2.30	5.3	52.8	10.1	7	<0.1	0.5	0.2	19	0.02	0.016	35
1224944	Soil	0.6	16.2	14.0	52	<0.1	18.3	7.8	218	2.41	10.5	3.0	5.7	10	<0.1	0.6	0.2	35	0.08	0.023	16
1224945	Soil	0.5	27.2	15.8	59	<0.1	21.9	9.5	297	2.38	9.5	<0.5	9.5	8	<0.1	0.7	0.2	24	0.05	0.032	27
1224946	Soil	0.4	26.0	18.9	58	<0.1	23.3	12.4	440	2.57	5.4	<0.5	10.7	12	<0.1	0.3	0.3	13	0.07	0.031	34

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Report Date: November 28, 2011

CERTIFICATE OF ANALYSIS WHI11001417.1

	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
1224927	Soil	15	0.29	148	0.024	<1	0.68	0.005	0.03	0.3	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1224928	Soil	17	0.30	76	0.019	<1	0.93	0.003	0.03	0.3	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1224929	Soil	17	0.25	131	0.016	<1	0.78	0.003	0.04	0.2	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1224930	Soil	19	0.31	147	0.023	<1	1.11	0.004	0.03	0.2	0.02	1.6	<0.1	<0.05	3	0.5	<0.2
1224931	Soil	17	0.31	140	0.017	<1	0.92	0.004	0.06	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1224932	Soil	16	0.34	102	0.026	<1	0.88	0.004	0.03	0.2	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1224933	Soil	34	0.28	135	0.015	<1	0.71	0.004	0.03	0.2	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1224934	Soil	19	0.50	77	0.012	<1	1.09	0.004	0.03	0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1224935	Soil	12	0.27	63	0.026	<1	0.63	0.004	0.03	0.3	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
1224936	Soil	20	0.35	193	0.015	<1	0.85	0.008	0.10	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1224937	Soil	16	0.35	109	0.018	<1	0.92	0.004	0.03	0.2	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1224938	Soil	22	0.35	124	0.032	<1	1.14	0.005	0.03	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1224939	Soil	47	0.57	272	0.025	<1	1.38	0.007	0.04	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
1224940	Soil	19	0.28	121	0.027	<1	0.95	0.005	0.04	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1224941	Soil	26	0.35	155	0.023	<1	1.49	0.005	0.03	0.2	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
1224942	Soil	25	0.40	104	0.030	<1	1.55	0.005	0.03	0.1	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2
1224943	Soil	15	0.24	72	0.006	<1	0.83	0.003	0.03	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1224944	Soil	23	0.40	117	0.024	<1	1.38	0.005	0.03	0.2	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1224945	Soil	18	0.36	104	0.015	<1	1.06	0.004	0.04	0.2	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1224946	Soil	10	0.15	141	0.002	<1	0.56	0.003	0.03	<0.1	0.25	1.3	<0.1	<0.05	2	<0.5	<0.2

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Report Date: November 28, 2011

QUALITY CONTROL REPORT WHI11001417.1

	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																					
1223038	Soil	0.9	37.2	24.2	69	<0.1	23.6	9.8	190	3.19	6.1	1.2	17.6	14	<0.1	0.6	0.4	19	0.13	0.027	48
REP 1223038	QC	0.9	37.2	23.7	67	<0.1	24.3	10.3	189	3.18	6.0	2.7	17.3	14	<0.1	0.6	0.4	18	0.13	0.028	48
1223505	Soil	0.8	28.6	11.1	60	0.1	23.2	8.4	311	2.00	15.3	2.3	3.6	25	0.3	1.0	0.2	29	0.38	0.072	13
REP 1223505	QC	0.7	29.7	11.1	61	0.2	23.7	8.5	308	2.03	14.8	5.5	3.7	24	0.3	1.0	0.2	29	0.36	0.072	13
1223644	Soil	0.8	16.0	14.9	42	<0.1	17.3	5.3	126	1.95	8.9	2.8	3.5	6	<0.1	0.5	0.2	34	0.05	0.023	15
REP 1223644	QC	1.0	15.7	14.7	41	<0.1	16.0	5.1	122	1.93	8.9	12.5	3.4	6	<0.1	0.5	0.2	33	0.05	0.024	15
1224593	Soil	0.7	26.9	15.3	53	0.2	19.8	7.4	203	2.36	12.2	2.5	6.8	6	0.1	0.9	0.2	33	0.05	0.026	23
REP 1224593	QC	0.8	27.8	14.4	54	0.2	19.5	7.7	214	2.43	12.4	14.5	6.3	6	0.1	0.9	0.2	34	0.05	0.026	22
1224629	Soil	0.6	15.3	13.3	53	<0.1	16.3	5.8	181	1.70	11.5	1.4	4.5	13	<0.1	0.9	0.1	17	0.22	0.048	14
REP 1224629	QC	0.7	14.9	13.2	50	<0.1	15.3	5.6	179	1.65	11.2	2.1	4.5	13	0.2	1.0	0.1	17	0.21	0.047	15
1224646	Soil	0.4	19.3	14.0	44	<0.1	15.5	6.8	230	1.97	7.4	1.3	5.5	10	<0.1	1.2	0.2	19	0.12	0.036	27
REP 1224646	QC	0.5	19.4	13.3	45	<0.1	16.0	6.5	240	1.94	7.1	1.9	5.3	10	<0.1	1.1	0.2	19	0.13	0.037	28
1224758	Soil	0.6	22.6	13.3	57	<0.1	21.3	9.7	251	2.56	8.8	2.9	8.9	16	<0.1	0.7	0.2	30	0.11	0.040	35
REP 1224758	QC	0.8	22.6	13.8	58	<0.1	21.7	10.0	253	2.64	8.8	1.7	9.3	16	<0.1	0.6	0.2	31	0.11	0.040	36
1224773	Soil	0.6	24.6	13.1	53	<0.1	19.0	8.7	242	2.26	6.3	1.6	9.1	19	<0.1	0.4	0.3	18	0.05	0.023	45
REP 1224773	QC	0.5	24.0	12.8	53	<0.1	19.1	8.6	239	2.27	6.1	1.4	8.8	18	<0.1	0.4	0.3	18	0.04	0.023	45
1224789	Soil	0.8	20.9	11.7	48	<0.1	17.4	7.5	202	2.02	8.2	1.4	6.5	10	<0.1	0.5	0.2	33	0.10	0.031	22
REP 1224789	QC	0.9	20.7	11.5	49	<0.1	17.8	7.6	199	2.02	8.2	2.1	6.5	10	<0.1	0.6	0.2	32	0.10	0.031	22
1224807	Soil	0.8	21.6	12.1	47	<0.1	18.0	7.3	208	2.26	6.9	2.2	7.1	7	<0.1	0.5	0.2	29	0.05	0.018	22
REP 1224807	QC	0.8	21.7	12.0	48	<0.1	17.5	7.3	216	2.23	6.8	2.2	7.2	8	<0.1	0.5	0.2	29	0.05	0.017	22
1224817	Soil	0.8	13.9	11.1	43	<0.1	12.9	5.0	221	1.86	5.8	1.1	6.2	9	<0.1	0.5	0.2	25	0.08	0.027	22
REP 1224817	QC	0.7	13.3	11.3	43	<0.1	12.3	5.2	223	1.88	5.9	1.0	6.0	9	<0.1	0.5	0.2	24	0.09	0.027	21
1224843	Soil	0.7	26.0	16.5	61	<0.1	22.7	8.7	258	2.49	8.7	1.8	9.8	11	<0.1	1.7	0.2	23	0.07	0.026	39
REP 1224843	QC	0.7	26.3	17.2	59	<0.1	21.2	8.6	257	2.49	8.7	2.5	9.9	11	<0.1	1.7	0.2	22	0.07	0.028	39
1224864	Soil	0.7	22.0	14.6	47	<0.1	14.5	6.1	133	2.26	8.7	2.8	5.0	8	<0.1	1.1	0.2	20	0.08	0.033	30
REP 1224864	QC	0.7	22.2	14.5	48	<0.1	14.7	6.0	137	2.33	9.0	2.5	4.9	8	<0.1	1.1	0.2	21	0.08	0.034	29
1224870	Soil	0.8	25.3	13.8	61	0.1	20.6	8.7	313	2.17	11.8	3.6	3.5	12	<0.1	0.9	0.2	29	0.15	0.046	19
REP 1224870	QC	0.6	26.3	13.4	61	0.1	21.4	8.9	322	2.26	11.9	7.2	3.7	13	<0.1	0.9	0.2	30	0.15	0.048	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
Pulp Duplicates																	
1223038	Soil	19	0.50	108	0.007	1	1.27	0.004	0.03	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1223038	QC	19	0.51	110	0.007	1	1.29	0.004	0.03	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223505	Soil	16	0.33	331	0.027	1	0.73	0.008	0.04	0.2	0.05	2.3	<0.1	<0.05	2	<0.5	<0.2
REP 1223505	QC	16	0.34	326	0.024	<1	0.75	0.009	0.04	0.3	0.03	2.0	<0.1	<0.05	2	0.7	<0.2
1223644	Soil	19	0.23	112	0.023	1	1.03	0.004	0.03	0.2	0.03	1.5	<0.1	<0.05	3	0.8	<0.2
REP 1223644	QC	18	0.22	112	0.021	1	1.01	0.004	0.03	0.2	0.03	1.6	<0.1	0.05	3	0.6	<0.2
1224593	Soil	22	0.31	148	0.026	<1	1.22	0.004	0.06	0.3	0.05	3.3	<0.1	<0.05	3	<0.5	<0.2
REP 1224593	QC	22	0.31	142	0.025	1	1.19	0.005	0.04	0.3	0.06	3.0	<0.1	<0.05	3	<0.5	<0.2
1224629	Soil	10	0.20	88	0.014	<1	0.54	0.004	0.04	0.2	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
REP 1224629	QC	10	0.20	86	0.014	1	0.54	0.003	0.04	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1224646	Soil	13	0.24	137	0.010	<1	0.77	0.004	0.05	0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
REP 1224646	QC	13	0.25	136	0.011	<1	0.79	0.003	0.05	0.1	0.03	1.8	<0.1	<0.05	2	0.7	<0.2
1224758	Soil	17	0.31	173	0.014	<1	0.96	0.007	0.05	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
REP 1224758	QC	17	0.31	178	0.013	<1	0.99	0.006	0.04	0.1	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1224773	Soil	13	0.15	145	0.012	<1	0.66	0.005	0.05	<0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1224773	QC	13	0.15	141	0.011	<1	0.65	0.005	0.05	<0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1224789	Soil	20	0.36	131	0.033	<1	1.14	0.005	0.04	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
REP 1224789	QC	21	0.37	129	0.032	<1	1.14	0.005	0.04	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1224807	Soil	18	0.29	103	0.020	<1	0.96	0.003	0.06	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1224807	QC	18	0.30	100	0.021	<1	0.98	0.004	0.06	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1224817	Soil	13	0.29	142	0.017	<1	0.84	0.004	0.07	0.2	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
REP 1224817	QC	13	0.28	133	0.017	<1	0.81	0.004	0.06	0.1	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1224843	Soil	16	0.38	131	0.020	<1	1.02	0.007	0.05	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
REP 1224843	QC	17	0.39	132	0.024	<1	1.03	0.005	0.05	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1224864	Soil	15	0.27	122	0.010	<1	0.85	0.004	0.04	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1224864	QC	15	0.27	123	0.012	<1	0.86	0.004	0.03	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1224870	Soil	17	0.29	265	0.019	1	0.98	0.005	0.03	0.2	0.05	2.9	<0.1	<0.05	3	<0.5	<0.2
REP 1224870	QC	17	0.29	260	0.020	<1	0.98	0.005	0.04	0.2	0.05	3.2	<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: MQ+SEA
Report Date: November 28, 2011

QUALITY CONTROL REPORT WHI11001417.1

		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
1224900	Soil	0.9	25.6	16.3	58	0.2	21.4	8.6	378	2.43	10.5	20.8	3.9	58	0.1	2.6	0.2	30	0.61	0.071	20
REP 1224900	QC	0.9	25.5	16.8	58	0.2	22.5	8.4	368	2.48	10.3	3.1	3.9	59	<0.1	2.5	0.2	31	0.61	0.070	20
1224914	Soil	1.0	35.0	14.6	61	0.2	32.6	12.0	573	2.27	8.5	4.1	3.5	26	0.2	0.7	0.2	34	0.29	0.051	23
REP 1224914	QC	0.9	33.3	14.6	58	0.2	31.6	11.6	554	2.18	8.4	1.7	3.4	25	0.3	0.6	0.2	33	0.28	0.050	22
1224924	Soil	0.7	31.0	12.2	59	0.1	19.5	8.1	284	2.14	11.7	1.7	5.3	13	0.1	1.0	0.2	32	0.12	0.048	22
REP 1224924	QC	0.6	29.2	11.7	58	0.1	19.6	7.4	269	2.05	11.3	2.2	5.2	14	<0.1	1.0	0.2	32	0.12	0.044	21
1224941	Soil	0.8	9.6	14.3	40	<0.1	13.4	5.7	150	2.44	10.0	<0.5	4.1	10	<0.1	0.6	0.2	53	0.06	0.023	16
REP 1224941	QC	0.8	9.7	14.3	40	<0.1	13.5	5.6	147	2.43	10.0	<0.5	4.2	9	<0.1	0.6	0.2	51	0.07	0.023	15
Reference Materials																					
STD DS8	Standard	13.2	106.4	125.7	297	1.7	36.4	7.3	594	2.35	24.6	115.1	7.5	71	2.4	5.8	6.8	41	0.66	0.073	16
STD DS8	Standard	12.5	103.1	118.2	287	1.7	34.7	6.8	587	2.29	23.5	102.3	6.2	73	2.4	5.3	6.2	40	0.69	0.077	15
STD DS8	Standard	12.8	107.6	118.7	300	1.7	37.0	7.2	593	2.34	23.8	114.1	6.6	70	2.3	5.3	6.5	41	0.68	0.077	16
STD DS8	Standard	14.0	110.6	128.9	312	1.8	37.9	7.7	629	2.49	26.7	130.4	7.2	74	2.5	6.0	6.9	43	0.74	0.078	19
STD DS8	Standard	13.4	106.9	125.0	302	1.7	36.7	7.3	622	2.47	26.5	110.4	7.6	81	2.3	6.3	6.8	42	0.76	0.076	20
STD DS8	Standard	13.4	109.3	119.8	295	1.7	37.5	7.5	572	2.28	26.9	104.6	6.9	62	2.4	5.3	6.4	42	0.65	0.076	16
STD DS8	Standard	14.0	107.2	116.7	292	1.6	36.2	7.3	596	2.28	25.1	88.3	6.9	68	2.3	5.6	6.3	41	0.66	0.076	17
STD DS8	Standard	11.9	98.9	115.0	295	1.8	34.3	6.5	550	2.20	24.4	106.8	5.9	61	2.4	4.9	5.7	37	0.62	0.072	15
STD DS8	Standard	11.6	96.7	117.0	272	1.7	34.3	6.7	525	2.11	22.6	104.8	5.5	56	2.0	4.5	5.4	38	0.60	0.067	13
STD DS8	Standard	12.0	98.0	112.3	284	1.8	34.9	6.8	566	2.22	24.1	114.3	5.7	57	2.3	7.8	5.6	37	0.61	0.068	15
STD DS8	Standard	13.1	109.0	130.4	322	1.9	37.8	7.5	637	2.55	28.3	115.4	6.5	73	2.5	5.7	7.2	41	0.74	0.089	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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56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: MQ+SEA
Report Date: November 28, 2011

QUALITY CONTROL REPORT WHI11001417.1

		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
1224900	Soil	22	0.36	259	0.019	<1	1.22	0.008	0.07	0.3	0.08	2.5	0.1	<0.05	3	1.0	<0.2
REP 1224900	QC	23	0.36	262	0.018	<1	1.24	0.012	0.08	0.2	0.08	2.6	0.1	<0.05	3	0.7	<0.2
1224914	Soil	22	0.34	315	0.018	<1	1.19	0.007	0.05	0.2	0.06	3.0	0.1	<0.05	4	0.6	<0.2
REP 1224914	QC	21	0.34	302	0.018	<1	1.14	0.007	0.04	0.2	0.07	2.8	0.1	<0.05	3	<0.5	<0.2
1224924	Soil	19	0.40	282	0.024	<1	1.02	0.006	0.04	0.3	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
REP 1224924	QC	19	0.38	257	0.028	<1	1.00	0.006	0.03	0.3	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
1224941	Soil	26	0.35	155	0.023	<1	1.49	0.005	0.03	0.2	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
REP 1224941	QC	26	0.36	156	0.018	<1	1.54	0.005	0.03	0.2	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	113	0.57	261	0.121	<1	0.85	0.091	0.38	2.7	0.18	2.0	5.2	0.15	5	4.5	4.3
STD DS8	Standard	108	0.59	267	0.114	4	0.93	0.113	0.43	2.6	0.23	3.8	5.1	0.12	5	5.4	4.3
STD DS8	Standard	115	0.60	280	0.122	2	0.94	0.097	0.43	2.8	0.18	3.6	5.1	0.11	5	4.5	4.6
STD DS8	Standard	118	0.64	289	0.127	2	1.01	0.110	0.43	3.0	0.21	2.6	5.7	0.17	5	4.4	5.5
STD DS8	Standard	116	0.66	281	0.135	3	0.99	0.108	0.43	3.1	0.19	2.5	5.4	0.16	5	4.7	5.5
STD DS8	Standard	114	0.59	273	0.121	2	0.88	0.093	0.38	2.9	0.19	2.6	5.0	0.13	4	5.2	4.7
STD DS8	Standard	115	0.60	262	0.127	3	0.92	0.086	0.39	2.7	0.19	2.2	5.0	0.17	4	5.0	5.2
STD DS8	Standard	103	0.56	250	0.097	3	0.84	0.088	0.40	2.7	0.20	2.7	5.4	0.11	4	5.4	4.5
STD DS8	Standard	103	0.51	254	0.095	2	0.82	0.091	0.39	2.6	0.20	2.9	5.2	0.18	4	4.6	4.2
STD DS8	Standard	104	0.53	256	0.097	3	0.83	0.094	0.40	2.6	0.19	3.0	5.1	0.13	4	4.5	4.2
STD DS8	Standard	119	0.63	297	0.121	3	0.99	0.117	0.44	3.0	0.21	2.8	5.8	0.17	5	5.6	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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Project: MQ+SEA
Report Date: November 28, 2011

QUALITY CONTROL REPORT WHI11001417.1

		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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		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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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

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

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: September 09, 2011
Report Date: November 11, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001418.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

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

CC: Don Christie
Daithi Mac Gearailt

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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: MQ+SEA
Report Date: November 11, 2011

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1224947	Soil	0.6	22.6	15.5	73	0.1	21.6	10.4	916	2.72	6.4	2.7	4.4	22	0.2	0.5	0.3	23	0.31	0.065	18
1224948	Soil	0.3	28.3	17.4	66	<0.1	24.6	11.1	444	2.71	5.5	<0.5	10.3	12	<0.1	0.2	0.3	9	0.13	0.040	41
1224949	Soil	0.6	31.1	17.5	60	<0.1	23.0	10.8	306	2.63	8.5	3.2	5.3	10	0.1	0.6	0.3	18	0.10	0.031	30
1224950	Soil	0.8	20.8	16.1	49	<0.1	17.7	6.7	192	2.26	8.9	2.7	2.0	6	<0.1	0.5	0.2	23	0.05	0.030	21
1225032	Soil	0.6	28.1	17.0	59	<0.1	21.5	9.5	312	2.87	9.0	3.3	7.4	7	<0.1	0.5	0.3	25	0.07	0.037	30
1225033	Soil	0.6	28.6	14.5	68	<0.1	25.7	9.3	374	2.53	13.2	2.1	7.7	13	0.2	1.5	0.3	24	0.17	0.057	25
1225034	Soil	1.1	20.2	14.9	57	<0.1	17.8	9.6	298	2.84	12.7	2.9	6.1	9	<0.1	0.8	0.2	49	0.08	0.029	17
1225035	Soil	0.4	23.0	16.8	52	<0.1	18.1	9.0	363	2.54	7.1	0.8	8.6	4	<0.1	0.5	0.2	14	0.02	0.027	35
1225036	Soil	0.7	27.9	12.0	58	<0.1	20.0	8.5	250	2.35	10.6	15.0	4.7	11	<0.1	0.6	0.2	36	0.10	0.031	16
1225037	Soil	0.9	15.6	15.2	48	<0.1	14.1	6.9	174	2.69	10.6	2.8	5.7	7	0.1	0.6	0.2	41	0.06	0.025	18
1225038	Soil	0.4	29.3	15.6	60	<0.1	24.2	10.2	337	2.84	6.9	1.6	10.3	9	<0.1	0.2	0.3	21	0.08	0.030	33
1225039	Soil	0.6	20.9	15.1	47	<0.1	18.4	9.0	214	2.41	10.9	1.2	5.6	5	<0.1	0.5	0.3	26	0.04	0.020	25
1225040	Soil	0.6	17.3	14.0	44	<0.1	16.9	6.3	149	2.54	8.1	1.0	8.6	5	<0.1	0.4	0.2	23	0.03	0.016	29
1225041	Soil	0.5	38.8	23.8	72	<0.1	31.0	12.8	611	3.17	11.0	1.0	14.8	9	<0.1	0.6	0.3	14	0.08	0.036	45
1225042	Soil	0.8	30.7	14.9	61	0.1	24.7	10.2	300	2.45	10.7	3.7	5.9	29	0.1	0.9	0.2	34	0.31	0.034	21
1225043	Soil	0.8	32.9	15.8	65	0.2	28.6	12.4	760	2.62	9.3	2.2	4.6	38	0.3	1.0	0.2	30	0.45	0.058	22
1225044	Soil	0.6	39.9	23.7	70	<0.1	28.9	13.9	544	3.16	9.5	2.6	10.5	12	<0.1	0.8	0.3	22	0.12	0.033	33
1225045	Soil	0.5	19.8	12.2	47	<0.1	16.6	6.8	213	2.10	5.7	1.2	6.4	14	<0.1	0.5	0.2	18	0.18	0.031	27
1225046	Soil	0.5	31.5	18.3	59	<0.1	22.1	10.4	307	2.76	8.7	1.4	12.2	8	<0.1	0.4	0.2	17	0.04	0.024	39
1225047	Soil	0.9	23.8	15.5	52	<0.1	18.5	8.3	176	2.67	9.4	1.4	8.1	8	<0.1	0.6	0.2	35	0.05	0.026	26
1225048	Soil	0.7	35.8	21.0	73	0.1	31.7	12.9	354	3.30	8.0	3.4	7.1	15	<0.1	0.9	0.3	24	0.14	0.039	35
1225049	Soil	0.8	28.9	13.3	65	0.2	24.2	8.4	331	2.32	12.7	4.1	4.1	29	0.2	1.7	0.2	30	0.38	0.068	21
1225050	Soil	1.0	36.5	21.5	83	0.2	31.7	13.2	430	3.00	27.9	2.8	11.5	21	0.2	3.4	0.3	25	0.25	0.058	30
1225051	Soil	0.7	32.3	19.1	74	0.1	29.5	13.8	372	2.91	13.3	2.7	11.1	20	0.1	2.1	0.3	24	0.22	0.045	35
1225052	Soil	0.8	28.3	17.2	67	0.1	25.8	10.6	337	2.60	16.7	7.5	8.7	16	0.2	2.6	0.2	24	0.19	0.049	30
1225053	Soil	0.9	26.0	14.3	62	<0.1	22.8	9.4	262	2.48	11.5	2.0	7.2	13	<0.1	1.3	0.2	29	0.12	0.035	28
1225054	Soil	1.0	24.5	14.5	61	<0.1	21.1	8.3	193	2.66	15.2	2.2	7.5	8	<0.1	1.3	0.2	38	0.06	0.027	23
1225055	Soil	0.7	19.9	11.7	50	<0.1	17.1	7.3	190	2.08	9.9	2.1	5.4	9	0.1	1.1	0.2	30	0.07	0.033	22
1225056	Soil	0.9	24.3	14.7	58	<0.1	19.3	8.7	227	2.43	23.9	7.6	6.1	8	<0.1	2.3	0.2	36	0.06	0.024	23
1225057	Soil	0.8	24.1	12.4	54	<0.1	19.6	8.1	256	2.14	10.4	2.5	5.4	9	0.1	1.1	0.2	30	0.08	0.034	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
1224947	Soil	19	0.37	261	0.004	1	1.16	0.004	0.03	0.1	0.07	1.7	<0.1	0.07	3	<0.5	<0.2
1224948	Soil	11	0.21	89	0.001	<1	0.69	0.002	0.04	<0.1	0.10	1.5	<0.1	<0.05	2	<0.5	<0.2
1224949	Soil	15	0.32	107	0.006	<1	1.06	0.003	0.04	<0.1	0.06	1.7	<0.1	<0.05	3	<0.5	<0.2
1224950	Soil	14	0.20	78	0.010	<1	0.87	0.004	0.03	0.1	0.05	1.0	<0.1	<0.05	3	<0.5	<0.2
1225032	Soil	19	0.40	118	0.012	2	1.26	0.009	0.04	0.2	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
1225033	Soil	17	0.35	99	0.034	<1	0.91	0.004	0.05	0.2	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
1225034	Soil	30	0.40	177	0.036	<1	1.69	0.006	0.04	0.2	0.07	4.2	<0.1	<0.05	5	<0.5	<0.2
1225035	Soil	13	0.32	43	0.008	<1	0.93	0.002	0.04	<0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1225036	Soil	22	0.37	166	0.027	<1	1.25	0.005	0.04	0.1	0.08	2.8	<0.1	<0.05	4	<0.5	<0.2
1225037	Soil	25	0.32	120	0.026	<1	1.55	0.004	0.03	0.2	0.05	2.7	<0.1	<0.05	4	0.9	<0.2
1225038	Soil	18	0.47	124	0.005	<1	1.47	0.003	0.04	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1225039	Soil	16	0.33	62	0.012	<1	1.09	0.003	0.03	0.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1225040	Soil	17	0.33	76	0.007	<1	1.29	0.002	0.02	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1225041	Soil	16	0.39	91	0.007	<1	1.06	0.003	0.04	<0.1	0.10	2.1	<0.1	<0.05	3	<0.5	<0.2
1225042	Soil	21	0.36	282	0.027	<1	1.29	0.005	0.04	0.1	0.06	3.0	<0.1	<0.05	4	<0.5	<0.2
1225043	Soil	20	0.33	294	0.013	<1	1.23	0.006	0.04	0.1	0.10	2.7	<0.1	<0.05	3	0.7	<0.2
1225044	Soil	19	0.45	112	0.025	<1	1.12	0.005	0.04	<0.1	0.11	2.2	<0.1	<0.05	3	<0.5	<0.2
1225045	Soil	14	0.30	119	0.009	<1	0.88	0.004	0.04	<0.1	0.04	1.6	<0.1	<0.05	3	0.5	<0.2
1225046	Soil	12	0.20	95	0.008	<1	0.77	0.003	0.04	<0.1	0.10	1.7	<0.1	<0.05	2	<0.5	<0.2
1225047	Soil	23	0.35	119	0.021	<1	1.44	0.009	0.04	0.1	0.02	2.6	<0.1	<0.05	4	0.6	<0.2
1225048	Soil	21	0.44	167	0.010	<1	1.31	0.005	0.04	0.1	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1225049	Soil	21	0.38	251	0.020	<1	1.20	0.008	0.05	0.3	0.06	2.5	<0.1	<0.05	3	0.8	<0.2
1225050	Soil	21	0.45	160	0.023	<1	1.18	0.009	0.10	0.4	0.06	2.7	<0.1	<0.05	3	0.6	<0.2
1225051	Soil	20	0.45	149	0.020	<1	1.17	0.007	0.07	0.3	0.05	2.4	<0.1	<0.05	3	0.7	<0.2
1225052	Soil	19	0.41	152	0.024	<1	1.05	0.008	0.07	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1225053	Soil	20	0.41	182	0.028	<1	1.12	0.007	0.05	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1225054	Soil	25	0.41	155	0.030	<1	1.46	0.005	0.05	0.3	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
1225055	Soil	19	0.35	128	0.028	<1	1.12	0.005	0.04	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1225056	Soil	23	0.38	129	0.036	<1	1.37	0.005	0.04	0.5	0.05	3.0	0.1	<0.05	4	<0.5	<0.2
1225057	Soil	19	0.34	133	0.032	<1	1.07	0.005	0.04	0.2	0.02	2.3	<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
1225058	Soil	1.0	19.7	13.8	52	<0.1	15.7	6.7	164	2.59	8.7	5.4	8.5	7	<0.1	0.4	0.2	34	0.04	0.020	25
1225059	Soil	1.0	24.1	15.4	53	<0.1	13.4	6.0	141	2.79	6.3	2.0	9.0	7	<0.1	0.5	0.3	28	0.03	0.023	28
1225060	Soil	0.9	23.8	13.7	58	<0.1	18.7	9.3	250	2.48	7.8	2.7	7.1	8	<0.1	0.8	0.2	31	0.05	0.022	27
1225061	Soil	0.8	19.9	13.0	50	<0.1	17.0	6.2	176	2.25	8.9	3.1	6.3	7	<0.1	1.1	0.2	30	0.05	0.018	24
1225062	Soil	0.9	20.8	12.7	52	<0.1	17.9	7.1	234	2.14	9.5	2.4	4.1	12	0.1	0.7	0.2	39	0.11	0.044	18
1225063	Soil	1.1	31.1	17.1	76	0.1	28.5	10.7	390	2.56	13.0	3.0	6.9	17	0.2	2.8	0.2	25	0.20	0.061	25
1225064	Soil	1.1	23.2	13.3	60	0.1	19.7	7.1	225	2.08	9.4	5.1	2.3	16	0.2	1.5	0.3	30	0.16	0.056	16
1225065	Soil	0.8	27.5	13.3	56	<0.1	22.4	7.8	251	2.26	8.3	3.1	4.3	21	0.2	1.1	0.3	28	0.21	0.048	22
1225066	Soil	0.8	22.1	12.5	48	<0.1	17.0	6.7	182	2.21	7.9	1.0	5.0	11	<0.1	1.3	0.3	21	0.10	0.043	26
1225067	Soil	1.0	28.5	13.2	54	<0.1	22.5	9.3	169	2.77	7.8	1.9	10.4	7	<0.1	0.6	0.3	28	0.03	0.018	27
1225068	Soil	0.9	20.4	12.3	44	<0.1	16.1	6.2	147	2.40	6.7	1.3	10.3	6	<0.1	0.8	0.3	24	0.02	0.018	28
1225069	Soil	1.1	32.6	18.2	60	<0.1	30.9	17.5	435	3.40	5.5	<0.5	15.0	45	<0.1	0.5	0.2	31	0.21	0.069	48
1225070	Soil	0.8	34.8	18.0	61	<0.1	30.2	13.1	280	3.27	13.1	2.5	10.9	8	<0.1	1.1	0.3	30	0.03	0.024	32
1225071	Soil	0.7	25.3	17.0	58	<0.1	21.8	9.5	275	2.59	15.0	2.9	8.6	8	<0.1	2.5	0.3	23	0.04	0.027	31
1225072	Soil	0.9	28.1	18.4	59	<0.1	22.3	9.6	247	2.65	13.4	9.9	9.6	8	<0.1	2.2	0.3	24	0.05	0.022	30
1225073	Soil	0.5	15.8	10.8	40	<0.1	11.9	4.2	115	2.05	9.4	2.7	0.7	7	<0.1	0.6	0.2	33	0.04	0.036	15
1225074	Soil	0.8	23.9	14.8	51	<0.1	19.8	7.7	184	2.52	7.7	1.8	9.3	7	<0.1	0.9	0.2	22	0.04	0.022	32
1225075	Soil	0.8	28.6	14.6	63	<0.1	25.2	10.0	288	2.38	12.5	1.9	6.6	21	0.2	1.5	0.2	26	0.22	0.061	24
1225076	Soil	0.9	31.7	18.4	69	0.1	27.7	12.7	270	3.02	11.3	7.0	8.6	21	0.2	1.1	0.3	32	0.21	0.052	29
1225077	Soil	0.7	15.4	15.7	52	<0.1	16.8	7.8	486	2.30	7.7	0.9	6.6	29	<0.1	0.7	0.3	21	0.38	0.048	23
1225078	Soil	0.6	28.2	18.2	53	0.1	25.1	10.5	503	2.87	10.0	1.6	7.5	24	0.1	1.1	0.3	20	0.27	0.056	27
1225079	Soil	0.6	21.7	13.4	48	0.1	21.9	10.1	549	2.20	7.8	15.5	5.9	17	<0.1	0.8	0.3	22	0.21	0.052	24
1225080	Soil	0.4	12.5	10.9	36	0.1	11.4	3.6	112	1.48	8.3	3.4	3.3	18	<0.1	0.6	0.2	22	0.23	0.049	14
1225081	Soil	0.6	20.6	13.6	41	0.1	13.8	5.7	193	2.03	11.1	19.1	4.3	15	0.1	1.1	0.2	22	0.17	0.050	19
1225082	Soil	0.4	17.9	14.4	44	0.1	15.0	5.4	186	1.78	9.1	2.2	4.3	22	<0.1	0.9	0.3	20	0.29	0.047	21
1225083	Soil	0.7	14.9	13.0	46	<0.1	13.2	5.8	176	2.13	8.8	5.0	5.5	13	0.1	1.2	0.2	21	0.17	0.049	22
1225084	Soil	0.6	19.6	10.9	55	<0.1	16.7	6.8	180	1.89	9.4	10.6	5.7	14	0.2	1.3	0.2	23	0.15	0.048	21
1225085	Soil	0.5	17.4	13.6	53	<0.1	16.0	6.5	234	1.74	9.1	13.8	5.9	16	0.1	1.1	0.2	21	0.21	0.053	21
1225086	Soil	0.6	16.1	9.3	51	<0.1	13.9	5.8	256	1.55	9.0	1.8	3.2	20	0.1	1.0	0.2	21	0.32	0.059	13
1225087	Soil	0.3	13.4	7.0	44	<0.1	12.2	4.8	267	1.22	4.2	8.0	3.1	17	<0.1	0.8	0.2	18	0.26	0.062	12

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

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

CERTIFICATE OF ANALYSIS WHI11001418.1

	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
1225058	Soil	22	0.41	120	0.024	<1	1.46	0.005	0.03	0.1	0.01	2.2	<0.1	<0.05	4	0.5	<0.2
1225059	Soil	20	0.42	99	0.011	<1	1.31	0.004	0.04	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1225060	Soil	20	0.40	139	0.025	<1	1.22	0.005	0.04	0.2	0.04	2.5	<0.1	<0.05	4	0.5	<0.2
1225061	Soil	19	0.35	95	0.029	<1	1.16	0.004	0.03	0.4	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1225062	Soil	22	0.36	191	0.034	<1	1.26	0.006	0.04	0.2	0.03	2.6	<0.1	<0.05	4	0.9	<0.2
1225063	Soil	21	0.38	150	0.024	<1	0.98	0.009	0.06	0.2	0.07	2.3	<0.1	<0.05	3	0.5	<0.2
1225064	Soil	20	0.36	188	0.019	1	1.03	0.007	0.04	0.2	0.05	1.9	<0.1	<0.05	3	<0.5	<0.2
1225065	Soil	19	0.38	235	0.026	1	1.08	0.008	0.04	0.2	0.08	2.4	<0.1	<0.05	3	<0.5	<0.2
1225066	Soil	15	0.30	93	0.015	<1	0.80	0.005	0.03	0.2	0.05	1.6	<0.1	<0.05	2	<0.5	<0.2
1225067	Soil	18	0.31	127	0.014	<1	1.32	0.007	0.04	0.2	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
1225068	Soil	16	0.26	76	0.019	1	0.97	0.003	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1225069	Soil	16	0.41	319	0.056	3	1.52	0.010	0.13	<0.1	0.09	3.5	<0.1	<0.05	3	<0.5	<0.2
1225070	Soil	22	0.47	173	0.044	1	1.51	0.005	0.07	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
1225071	Soil	18	0.40	138	0.025	7	1.09	0.007	0.06	0.3	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1225072	Soil	18	0.36	116	0.020	<1	1.11	0.004	0.06	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1225073	Soil	16	0.23	105	0.016	<1	0.98	0.004	0.03	0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1225074	Soil	16	0.33	106	0.013	<1	1.01	0.004	0.04	<0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1225075	Soil	18	0.36	227	0.024	<1	0.95	0.006	0.05	0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1225076	Soil	19	0.42	278	0.031	1	1.28	0.009	0.05	0.1	0.07	3.4	<0.1	<0.05	4	<0.5	<0.2
1225077	Soil	13	0.39	134	0.012	1	0.91	0.006	0.03	0.1	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1225078	Soil	16	0.38	200	0.011	1	1.03	0.005	0.03	0.2	0.07	1.9	<0.1	<0.05	3	<0.5	<0.2
1225079	Soil	16	0.37	224	0.010	<1	1.06	0.006	0.04	0.2	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
1225080	Soil	13	0.28	167	0.012	<1	0.73	0.005	0.03	0.2	0.04	1.3	<0.1	<0.05	2	<0.5	<0.2
1225081	Soil	14	0.29	178	0.010	<1	0.85	0.004	0.03	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1225082	Soil	14	0.32	180	0.008	<1	0.85	0.005	0.03	0.2	0.05	1.4	<0.1	<0.05	3	<0.5	<0.2
1225083	Soil	14	0.30	122	0.015	1	0.73	0.004	0.03	0.5	0.05	1.3	<0.1	<0.05	2	<0.5	<0.2
1225084	Soil	15	0.31	175	0.020	<1	0.80	0.006	0.04	0.4	0.08	1.7	<0.1	<0.05	2	<0.5	<0.2
1225085	Soil	14	0.31	178	0.019	<1	0.75	0.005	0.04	0.3	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1225086	Soil	13	0.28	215	0.013	1	0.62	0.005	0.02	0.4	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1225087	Soil	11	0.26	174	0.016	<1	0.59	0.006	0.03	0.3	0.03	1.3	<0.1	<0.05	2	<0.5	<0.2

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

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1225088	Soil	0.5	12.1	9.6	41	<0.1	11.9	3.8	201	1.34	10.8	0.7	3.1	15	0.1	0.8	0.2	19	0.21	0.049	11
1225089	Soil	0.5	25.0	10.0	62	0.1	22.4	9.5	323	2.03	11.5	24.1	5.5	18	0.2	1.2	0.2	24	0.24	0.063	19
1225090	Soil	0.5	16.4	13.7	69	<0.1	19.1	9.1	459	2.17	6.6	12.8	5.3	26	0.3	1.7	0.2	22	0.27	0.061	20
1225091	Soil	0.9	21.3	12.7	45	<0.1	16.1	6.8	211	1.99	7.1	3.4	6.5	11	<0.1	2.9	0.2	35	0.07	0.017	25
1225092	Soil	0.7	19.4	11.3	48	<0.1	18.0	6.5	219	2.18	8.6	1.9	5.2	11	<0.1	3.4	0.2	34	0.06	0.022	21
1225093	Soil	0.7	17.7	11.5	41	<0.1	15.6	5.9	218	2.03	7.8	1.5	4.8	14	<0.1	2.4	0.2	32	0.10	0.025	23
1225094	Soil	0.5	17.1	10.9	42	<0.1	17.0	6.6	217	2.09	8.7	23.1	3.7	9	0.1	1.3	0.2	30	0.06	0.033	21
1225095	Soil	2.0	30.1	28.1	61	<0.1	17.1	9.4	254	3.65	17.2	6.1	4.7	22	<0.1	9.8	0.4	25	0.03	0.030	15
1225096	Soil	0.8	18.5	14.0	49	<0.1	17.1	7.2	256	2.57	11.3	2.4	5.3	10	<0.1	1.8	0.2	42	0.05	0.028	19
1225097	Soil	0.8	13.0	13.7	45	<0.1	13.3	5.5	189	2.41	9.6	3.4	4.0	9	<0.1	0.7	0.2	42	0.06	0.028	16
1225098	Soil	1.0	18.3	12.5	54	<0.1	20.0	7.8	252	2.97	12.5	1.2	3.9	8	0.1	1.4	0.2	37	0.05	0.029	13
1225099	Soil	0.6	25.2	18.5	48	<0.1	30.8	9.6	268	2.93	7.4	0.7	7.1	6	<0.1	0.7	0.2	37	0.04	0.019	20
1225100	Soil	0.6	12.8	11.9	29	<0.1	12.0	4.5	113	1.92	7.0	<0.5	1.4	4	<0.1	0.6	0.2	29	0.03	0.020	13
1225101	Soil	0.8	39.1	10.5	43	<0.1	31.3	11.8	281	2.47	7.3	3.1	4.5	9	<0.1	0.7	0.2	50	0.08	0.029	18
1225102	Soil	0.9	45.7	13.7	50	<0.1	66.9	23.2	535	4.24	7.8	6.5	8.2	7	<0.1	1.1	0.2	57	0.04	0.047	52
1225103	Soil	1.3	15.3	13.5	51	0.1	17.2	8.3	260	2.66	11.8	0.6	3.0	6	0.2	0.6	0.3	50	0.05	0.044	10
1225104	Soil	0.6	28.9	12.9	47	<0.1	30.4	11.0	323	2.53	5.5	2.0	6.6	9	<0.1	0.5	0.2	33	0.08	0.015	25
1225105	Soil	1.0	11.9	10.8	42	<0.1	14.1	5.2	126	2.30	10.2	<0.5	3.1	6	<0.1	0.7	0.2	42	0.04	0.022	11
1225106	Soil	1.2	21.1	12.1	62	<0.1	21.2	9.1	244	2.67	13.3	1.7	5.1	8	<0.1	0.9	0.2	49	0.05	0.017	12
1225107	Soil	0.9	25.4	12.5	45	<0.1	16.9	8.1	215	2.32	11.9	1.9	5.6	6	<0.1	1.1	0.2	36	0.04	0.016	16
1225108	Soil	1.1	13.8	8.0	32	<0.1	10.4	4.6	199	1.90	11.6	<0.5	1.3	5	<0.1	0.9	0.2	33	0.03	0.033	12
1225109	Soil	0.8	21.4	12.2	48	<0.1	17.3	8.0	200	2.17	9.3	4.9	4.2	9	<0.1	0.8	0.2	40	0.06	0.020	16
1225110	Soil	0.9	22.9	11.4	50	<0.1	18.1	8.4	218	2.32	10.7	0.6	5.2	9	<0.1	0.8	0.2	39	0.07	0.017	15
1225111	Soil	0.8	18.3	12.5	44	<0.1	16.5	6.0	127	2.02	7.7	1.3	4.5	7	<0.1	0.9	0.2	29	0.05	0.014	16
1225112	Soil	0.7	14.0	9.8	36	<0.1	12.2	4.8	108	1.80	8.2	<0.5	3.5	7	<0.1	0.6	0.2	31	0.04	0.019	13
1225113	Soil	0.5	26.8	13.6	28	<0.1	11.8	3.2	91	1.77	4.6	1.4	8.1	7	<0.1	0.6	0.2	14	0.01	0.017	36
1225114	Soil	0.6	9.0	10.2	23	<0.1	7.5	2.2	56	1.14	5.6	9.8	0.6	5	<0.1	0.8	0.1	22	0.03	0.012	13
1225115	Soil	0.6	24.0	11.5	43	<0.1	18.1	7.5	199	1.97	9.2	1.9	5.5	6	<0.1	8.9	0.2	25	0.03	0.021	21
1225116	Soil	0.5	21.0	11.8	43	<0.1	16.2	7.0	215	1.97	7.2	1.9	5.3	7	<0.1	3.4	0.2	26	0.04	0.024	21
1225117	Soil	1.1	20.2	15.0	47	<0.1	14.3	7.4	286	3.42	9.6	1.3	4.5	10	<0.1	5.4	0.2	28	0.02	0.045	17

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1225088	Soil	11	0.26	150	0.017	<1	0.55	0.004	0.03	0.1	0.03	1.1	<0.1	<0.05	2	<0.5	<0.2
1225089	Soil	15	0.32	259	0.021	<1	0.76	0.006	0.03	0.3	0.04	2.0	<0.1	<0.05	2	<0.5	<0.2
1225090	Soil	15	0.29	269	0.013	1	0.72	0.005	0.03	0.3	0.05	1.8	<0.1	<0.05	2	<0.5	<0.2
1225091	Soil	21	0.35	189	0.033	1	1.21	0.007	0.07	0.3	0.05	2.9	0.1	<0.05	3	<0.5	<0.2
1225092	Soil	20	0.34	138	0.032	<1	1.10	0.007	0.05	0.2	0.06	2.6	0.1	<0.05	3	<0.5	<0.2
1225093	Soil	24	0.34	188	0.030	<1	1.04	0.007	0.06	0.1	0.03	2.2	0.1	<0.05	3	<0.5	<0.2
1225094	Soil	22	0.31	120	0.023	1	1.02	0.005	0.05	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225095	Soil	17	0.18	86	0.008	2	0.97	0.004	0.11	<0.1	0.14	1.5	0.2	<0.05	3	<0.5	<0.2
1225096	Soil	25	0.36	131	0.040	2	1.27	0.006	0.05	0.2	0.04	3.7	0.1	<0.05	4	<0.5	<0.2
1225097	Soil	25	0.37	112	0.036	<1	1.35	0.005	0.05	0.2	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
1225098	Soil	23	0.34	90	0.025	1	1.18	0.005	0.07	0.2	0.02	1.8	0.2	<0.05	4	<0.5	<0.2
1225099	Soil	50	0.55	94	0.025	<1	1.58	0.003	0.08	<0.1	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
1225100	Soil	18	0.17	64	0.010	<1	0.90	0.003	0.04	0.1	0.02	0.9	0.1	<0.05	3	<0.5	<0.2
1225101	Soil	63	0.46	157	0.028	1	1.14	0.004	0.04	<0.1	0.07	5.9	0.2	<0.05	3	<0.5	<0.2
1225102	Soil	81	0.12	178	0.009	<1	0.59	0.002	0.06	<0.1	0.24	12.9	0.2	<0.05	2	<0.5	<0.2
1225103	Soil	30	0.37	97	0.029	1	1.50	0.008	0.05	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1225104	Soil	44	0.41	165	0.021	<1	0.96	0.003	0.07	<0.1	0.04	2.8	0.1	<0.05	3	<0.5	<0.2
1225105	Soil	18	0.24	96	0.026	<1	1.14	0.003	0.03	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1225106	Soil	29	0.40	160	0.041	1	1.56	0.005	0.05	0.2	0.02	3.7	<0.1	<0.05	4	0.5	<0.2
1225107	Soil	23	0.29	128	0.029	<1	1.22	0.006	0.04	0.2	0.02	3.3	<0.1	<0.05	3	0.6	<0.2
1225108	Soil	13	0.12	58	0.018	1	0.57	0.003	0.05	0.2	0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
1225109	Soil	23	0.33	157	0.032	<1	1.21	0.005	0.04	0.2	0.05	3.1	<0.1	<0.05	4	<0.5	<0.2
1225110	Soil	25	0.36	197	0.033	<1	1.33	0.005	0.04	0.2	0.05	3.6	<0.1	<0.05	4	<0.5	<0.2
1225111	Soil	17	0.23	107	0.015	<1	0.99	0.003	0.04	0.2	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1225112	Soil	18	0.25	98	0.025	<1	1.05	0.004	0.03	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1225113	Soil	8	0.07	57	0.005	<1	0.49	0.003	0.10	<0.1	0.01	0.9	0.1	<0.05	2	<0.5	<0.2
1225114	Soil	18	0.13	70	0.012	<1	0.70	0.003	0.03	0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
1225115	Soil	19	0.24	91	0.016	<1	0.81	0.003	0.06	0.1	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1225116	Soil	19	0.22	86	0.025	1	0.81	0.004	0.06	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225117	Soil	16	0.15	69	0.015	1	0.89	0.007	0.05	0.1	0.08	1.4	0.2	<0.05	3	<0.5	<0.2

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

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

CERTIFICATE OF ANALYSIS WHI11001418.1

		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
1225118	Soil		0.8	14.6	10.9	34	<0.1	12.2	5.2	134	1.92	9.6	1.3	4.9	7	<0.1	3.7	0.2	28	0.03	0.017	13
1225119	Soil		1.0	17.5	14.2	47	<0.1	15.2	6.0	204	2.49	11.1	2.1	4.2	7	0.1	2.5	0.2	39	0.04	0.027	13
1225120	Soil		0.7	21.5	11.5	46	<0.1	16.2	6.7	203	1.92	8.8	8.8	4.3	8	<0.1	2.4	0.2	29	0.06	0.018	18
1225121	Soil		0.7	16.9	12.3	40	<0.1	13.5	5.4	173	1.81	9.7	<0.5	4.5	8	<0.1	2.6	0.1	27	0.05	0.023	17
1225122	Soil		0.5	13.9	10.2	36	<0.1	12.1	4.7	134	1.67	8.0	2.1	3.6	4	<0.1	6.0	0.2	22	0.02	0.020	15
1225123	Soil		0.5	12.4	9.4	32	<0.1	11.0	4.3	109	1.57	8.4	2.1	3.3	6	<0.1	7.3	0.1	24	0.04	0.017	14
1225124	Soil		0.8	15.6	9.9	43	<0.1	12.9	5.7	179	1.99	9.8	1.7	4.0	7	<0.1	2.6	0.2	34	0.05	0.020	13
1225125	Soil		1.2	28.3	12.0	62	<0.1	19.2	8.2	246	2.55	12.1	2.2	5.4	11	<0.1	0.9	0.2	48	0.07	0.019	16
1225126	Soil		0.9	26.5	13.3	52	0.1	18.3	6.6	198	2.35	11.3	1.3	5.4	8	<0.1	1.0	0.2	40	0.07	0.018	18
1225127	Soil		0.8	18.2	11.3	45	<0.1	14.9	5.8	174	1.95	8.3	0.5	4.9	7	<0.1	1.3	0.1	29	0.05	0.015	16
1225128	Soil		0.5	15.4	10.4	41	<0.1	13.2	4.9	152	1.72	7.4	2.4	4.1	8	<0.1	1.3	0.1	25	0.06	0.018	17
1225129	Soil		0.8	14.7	12.1	44	<0.1	13.2	7.2	268	2.02	9.1	5.7	4.6	8	<0.1	1.5	0.2	33	0.07	0.013	12
1225130	Soil		0.8	14.4	10.4	40	<0.1	12.3	4.9	146	1.97	9.3	1.6	3.9	7	<0.1	1.1	0.2	35	0.06	0.014	14
1225131	Soil		0.8	13.8	14.9	43	0.1	12.6	6.3	231	2.19	9.6	2.9	1.2	13	<0.1	1.2	0.3	39	0.12	0.033	14
1225132	Soil		0.7	14.7	11.3	45	<0.1	12.6	5.6	177	1.85	8.7	1.8	3.4	5	<0.1	2.2	0.2	26	0.04	0.016	15
1225133	Soil		0.9	18.4	14.3	47	<0.1	15.4	6.1	193	2.16	10.6	2.3	5.5	6	<0.1	2.4	0.2	30	0.03	0.020	17
1225134	Soil		0.5	13.8	7.7	34	<0.1	12.1	3.9	108	1.42	6.5	<0.5	2.9	6	<0.1	1.7	0.1	19	0.06	0.026	13
1225135	Soil		0.6	10.9	9.7	36	<0.1	11.1	4.1	117	1.63	7.7	1.4	3.6	6	<0.1	2.4	0.2	25	0.04	0.016	13
1225136	Soil		0.8	32.7	16.7	65	<0.1	22.8	9.1	298	2.70	12.7	7.3	6.0	8	0.1	4.4	0.2	32	0.05	0.022	18
1225137	Soil		0.9	23.1	12.9	53	0.1	18.6	7.3	216	2.45	11.8	3.4	5.8	8	<0.1	3.9	0.2	37	0.05	0.018	15
1225138	Soil		0.8	45.3	23.8	22	0.2	19.1	4.7	65	1.90	4.0	<0.5	0.6	11	0.4	0.3	0.2	20	0.05	0.141	18
1225139	Soil		1.0	29.0	17.7	57	<0.1	64.7	18.6	369	3.20	12.4	1.2	5.8	11	0.1	0.6	0.1	66	0.07	0.035	22
1225140	Soil		0.9	18.1	12.1	53	<0.1	38.2	8.3	198	2.74	10.4	1.1	2.6	10	<0.1	0.6	0.1	57	0.09	0.038	15
1225141	Soil		1.0	16.3	12.3	37	<0.1	12.2	4.5	124	2.25	6.4	2.6	2.2	11	<0.1	0.6	0.3	31	0.04	0.023	12
1225142	Soil		0.8	29.7	17.5	57	<0.1	32.9	11.2	254	3.04	8.2	2.2	7.0	9	<0.1	0.6	0.2	48	0.05	0.031	29
1225143	Soil		1.2	15.7	15.3	48	<0.1	19.6	6.8	177	2.85	11.9	3.0	4.9	7	<0.1	0.7	0.2	54	0.05	0.032	18
1225144	Soil		1.0	33.6	19.1	52	<0.1	43.1	12.9	209	3.51	9.4	2.6	7.8	6	<0.1	0.4	0.2	74	0.03	0.032	25
1225145	Soil		0.7	25.3	19.7	42	<0.1	30.0	9.0	203	2.75	8.7	2.9	1.3	13	<0.1	0.5	0.2	57	0.12	0.082	20
1225146	Soil		0.7	27.1	18.9	42	<0.1	45.6	8.1	153	2.65	6.4	3.0	1.8	8	<0.1	0.4	0.2	42	0.04	0.041	33
1225147	Soil		0.8	29.7	13.7	44	<0.1	34.5	9.9	216	2.85	8.3	2.0	4.3	9	<0.1	0.4	0.2	53	0.06	0.042	35

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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
1225118	Soil	18	0.21	78	0.018	<1	1.00	0.003	0.03	0.1	0.03	1.5	0.1	<0.05	3	<0.5	<0.2
1225119	Soil	23	0.27	105	0.019	<1	1.28	0.004	0.05	0.1	0.03	1.8	0.2	<0.05	4	<0.5	<0.2
1225120	Soil	18	0.27	140	0.027	<1	0.96	0.006	0.05	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1225121	Soil	18	0.24	116	0.024	<1	0.88	0.004	0.04	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1225122	Soil	14	0.20	59	0.013	<1	0.80	0.002	0.04	0.1	0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
1225123	Soil	14	0.19	70	0.013	<1	0.77	0.003	0.04	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1225124	Soil	19	0.27	128	0.026	<1	1.14	0.004	0.03	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1225125	Soil	29	0.41	235	0.035	1	1.61	0.008	0.04	0.2	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2
1225126	Soil	24	0.35	195	0.034	<1	1.52	0.008	0.04	0.2	0.06	3.2	0.1	<0.05	4	<0.5	<0.2
1225127	Soil	17	0.28	122	0.018	<1	0.98	0.003	0.04	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1225128	Soil	15	0.25	128	0.018	1	0.82	0.005	0.04	0.2	0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
1225129	Soil	19	0.27	172	0.016	<1	1.13	0.006	0.04	0.1	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1225130	Soil	19	0.27	153	0.023	<1	1.11	0.005	0.03	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1225131	Soil	19	0.24	209	0.015	<1	1.11	0.007	0.04	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1225132	Soil	15	0.25	108	0.016	<1	0.84	0.004	0.03	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1225133	Soil	19	0.28	111	0.021	<1	0.97	0.003	0.04	0.2	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
1225134	Soil	13	0.22	67	0.015	<1	0.71	0.002	0.03	0.2	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1225135	Soil	14	0.21	84	0.017	<1	0.74	0.003	0.04	0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1225136	Soil	22	0.32	141	0.019	1	1.20	0.006	0.06	0.2	0.03	2.2	0.1	<0.05	3	<0.5	<0.2
1225137	Soil	23	0.34	133	0.026	<1	1.31	0.007	0.06	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1225138	Soil	20	0.09	209	0.005	<1	1.01	0.009	0.03	<0.1	0.06	0.6	<0.1	<0.05	3	<0.5	<0.2
1225139	Soil	153	1.07	116	0.011	<1	1.82	0.005	0.04	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1225140	Soil	138	0.83	118	0.020	<1	1.71	0.005	0.03	0.2	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
1225141	Soil	27	0.33	66	0.013	<1	1.06	0.005	0.04	0.1	0.03	1.2	0.1	<0.05	4	<0.5	<0.2
1225142	Soil	69	0.62	100	0.013	<1	1.49	0.005	0.05	0.2	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
1225143	Soil	54	0.43	112	0.029	<1	1.62	0.006	0.04	0.2	0.06	3.9	0.1	<0.05	5	<0.5	<0.2
1225144	Soil	87	0.47	79	0.008	<1	1.42	0.004	0.04	<0.1	0.10	4.8	<0.1	<0.05	5	<0.5	<0.2
1225145	Soil	70	0.56	101	0.015	<1	1.36	0.005	0.03	0.1	0.06	2.5	<0.1	<0.05	6	<0.5	<0.2
1225146	Soil	150	0.59	101	0.006	<1	1.20	0.005	0.06	<0.1	0.06	1.9	<0.1	<0.05	4	<0.5	<0.2
1225147	Soil	75	0.48	102	0.011	<1	1.11	0.005	0.05	0.2	0.07	3.5	0.1	<0.05	4	<0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1225148	Soil		0.9	11.7	15.7	37	<0.1	12.7	4.4	116	3.26	12.1	2.1	1.7	7	<0.1	0.7	0.2	46	0.05	0.030	12
1225149	Soil		0.9	21.0	18.6	62	<0.1	30.9	13.0	280	3.14	14.4	5.0	4.9	7	<0.1	0.7	0.2	48	0.07	0.038	15
1225150	Soil		0.8	38.3	21.9	69	<0.1	39.4	17.4	369	3.48	10.1	3.0	9.5	10	<0.1	0.6	0.2	62	0.10	0.048	26
1225202	Soil		1.0	21.6	19.9	57	<0.1	20.8	10.4	276	2.88	9.8	3.2	7.0	8	0.1	0.8	0.2	40	0.05	0.032	26
1225203	Soil		1.0	22.8	17.6	50	<0.1	22.4	9.0	317	2.60	9.2	1.9	1.7	10	<0.1	0.7	0.2	41	0.08	0.064	19
1225204	Soil		0.8	21.3	11.8	57	<0.1	18.3	7.8	257	2.19	14.5	5.2	3.6	12	0.1	1.3	0.2	38	0.13	0.052	18
1225205	Soil		0.7	17.1	15.6	49	<0.1	15.4	5.9	195	2.15	18.4	2.0	2.5	9	0.1	1.5	0.2	40	0.08	0.038	15
1225206	Soil		0.8	23.1	24.5	52	<0.1	25.6	9.8	191	2.91	10.4	0.7	7.0	8	<0.1	0.7	0.2	36	0.05	0.031	20
1225207	Soil		1.2	56.2	28.8	45	<0.1	12.4	5.8	133	3.50	1.7	5.7	22.7	20	<0.1	0.3	0.7	16	0.01	0.049	35
1225208	Soil		0.9	19.3	13.7	49	<0.1	19.7	6.3	135	2.39	10.5	6.2	1.5	9	<0.1	0.5	0.2	46	0.08	0.070	19
1225209	Soil		0.8	28.8	11.1	64	<0.1	21.5	9.9	286	2.26	12.5	1.2	4.8	11	0.1	0.8	0.2	33	0.12	0.061	17
1225210	Soil		0.8	14.4	11.1	41	<0.1	14.8	5.8	164	1.99	8.4	3.4	3.5	9	<0.1	0.5	0.2	35	0.08	0.043	17
1225211	Soil		1.3	27.0	20.0	65	<0.1	33.5	12.2	295	3.35	19.8	2.3	9.2	7	0.1	1.0	0.3	44	0.04	0.027	19
1225212	Soil		0.9	26.8	15.3	54	<0.1	21.5	7.1	175	2.65	7.2	<0.5	5.7	7	<0.1	0.4	0.2	31	0.04	0.037	32
1225213	Soil		1.1	21.7	14.0	56	<0.1	18.4	7.7	210	2.55	9.4	0.6	7.4	7	<0.1	0.5	0.2	40	0.04	0.040	22
1225214	Soil		1.0	26.7	15.9	52	<0.1	21.4	9.6	261	2.71	8.3	4.1	7.9	6	<0.1	0.9	0.2	33	0.03	0.023	24
1225215	Soil		1.2	14.3	11.6	47	<0.1	14.8	9.4	348	2.80	12.9	9.7	3.9	6	0.1	0.8	0.2	42	0.04	0.061	15
1225216	Soil		0.9	22.9	15.0	54	<0.1	20.3	10.5	483	2.49	7.5	3.0	4.3	7	0.1	0.6	0.2	28	0.05	0.049	20
1225217	Soil		0.7	23.6	12.6	48	<0.1	17.5	8.2	261	2.22	7.9	3.0	5.9	9	<0.1	0.7	0.2	29	0.07	0.019	23
1225218	Soil		0.7	15.7	11.7	43	<0.1	13.2	5.8	140	2.01	9.3	1.9	4.7	7	<0.1	0.6	0.2	36	0.05	0.023	15
1225219	Soil		1.0	22.7	12.8	53	<0.1	19.5	8.2	217	2.42	7.3	<0.5	7.4	6	<0.1	1.4	0.2	29	0.03	0.018	23
1225220	Soil		0.9	22.9	14.1	56	<0.1	19.8	8.5	272	2.43	7.8	2.8	6.6	7	<0.1	2.2	0.2	29	0.04	0.024	21
1225221	Soil		0.8	17.9	10.5	47	<0.1	15.8	6.0	166	2.07	7.1	1.5	5.4	7	<0.1	1.1	0.1	29	0.04	0.020	17
1225222	Soil		0.7	16.6	10.6	47	<0.1	14.1	5.5	154	2.04	9.1	2.3	4.3	7	<0.1	0.9	0.2	34	0.05	0.021	15
1225223	Soil		1.2	29.2	23.1	66	<0.1	23.8	10.5	321	2.98	15.6	0.9	8.2	6	0.1	0.7	0.4	36	0.04	0.028	21
1225224	Soil		0.7	42.2	17.9	75	<0.1	28.0	10.9	292	3.08	11.0	2.7	13.9	6	<0.1	0.6	0.3	31	0.03	0.023	35
1225225	Soil		1.0	11.4	13.6	32	<0.1	10.7	4.2	108	2.09	11.0	1.1	3.7	6	0.1	0.8	0.2	44	0.03	0.031	19
1225226	Soil		0.9	22.1	16.7	69	0.1	21.1	10.0	245	2.94	11.3	4.2	9.1	8	<0.1	0.6	0.3	40	0.04	0.025	23
1225227	Soil		0.7	40.9	19.7	77	<0.1	29.6	11.9	285	3.17	8.5	1.3	12.9	8	<0.1	0.8	0.3	33	0.03	0.015	39
1225228	Soil		0.6	19.1	12.3	45	<0.1	15.9	6.4	207	2.08	9.8	2.9	4.3	10	<0.1	1.0	0.2	30	0.10	0.045	21

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

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

CERTIFICATE OF ANALYSIS WHI11001418.1

	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
1225148	Soil	31	0.28	57	0.025	<1	1.02	0.004	0.03	0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1225149	Soil	62	0.67	90	0.019	<1	1.67	0.005	0.04	0.1	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
1225150	Soil	72	0.91	84	0.017	<1	1.82	0.004	0.04	0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
1225202	Soil	25	0.33	154	0.017	<1	1.43	0.004	0.04	0.2	0.07	3.2	<0.1	<0.05	4	<0.5	<0.2
1225203	Soil	37	0.38	166	0.011	<1	1.34	0.004	0.04	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1225204	Soil	25	0.40	156	0.028	<1	1.25	0.006	0.03	0.4	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
1225205	Soil	21	0.31	131	0.030	<1	1.25	0.004	0.03	0.8	0.05	2.0	0.1	<0.05	4	<0.5	<0.2
1225206	Soil	33	0.44	89	0.016	<1	1.62	0.004	0.03	0.2	0.04	2.1	<0.1	<0.05	4	<0.5	<0.2
1225207	Soil	28	0.41	65	0.005	<1	0.97	0.003	0.07	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1225208	Soil	46	0.45	113	0.017	<1	1.37	0.004	0.03	0.2	0.04	2.5	<0.1	<0.05	5	<0.5	<0.2
1225209	Soil	23	0.38	114	0.024	<1	1.18	0.008	0.04	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1225210	Soil	28	0.37	118	0.020	<1	1.09	0.004	0.03	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
1225211	Soil	63	0.53	109	0.020	<1	1.71	0.004	0.04	0.3	0.03	2.7	<0.1	<0.05	5	0.5	<0.2
1225212	Soil	39	0.54	101	0.011	<1	1.40	0.003	0.03	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1225213	Soil	35	0.47	115	0.020	<1	1.49	0.008	0.05	0.2	0.03	3.5	0.1	<0.05	4	<0.5	<0.2
1225214	Soil	26	0.30	98	0.014	<1	1.20	0.004	0.06	0.1	0.04	2.8	0.2	<0.05	3	<0.5	<0.2
1225215	Soil	19	0.23	88	0.019	<1	0.90	0.003	0.05	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1225216	Soil	18	0.30	97	0.014	<1	1.01	0.003	0.07	0.2	0.05	1.3	<0.1	<0.05	3	<0.5	<0.2
1225217	Soil	21	0.33	244	0.020	<1	1.08	0.007	0.05	0.2	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1225218	Soil	22	0.31	165	0.021	<1	1.23	0.006	0.04	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1225219	Soil	22	0.29	109	0.015	<1	1.07	0.004	0.06	0.2	0.04	2.5	0.1	<0.05	3	<0.5	<0.2
1225220	Soil	19	0.27	117	0.015	<1	1.02	0.004	0.07	0.2	0.04	1.8	0.1	<0.05	3	<0.5	<0.2
1225221	Soil	19	0.30	116	0.019	<1	1.03	0.005	0.04	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1225222	Soil	21	0.30	141	0.023	<1	1.13	0.007	0.03	0.2	0.01	2.4	0.1	<0.05	3	<0.5	<0.2
1225223	Soil	23	0.43	103	0.018	2	1.43	0.003	0.05	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1225224	Soil	23	0.62	100	0.022	2	1.73	0.004	0.06	0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
1225225	Soil	15	0.15	76	0.020	1	1.04	0.003	0.04	0.2	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1225226	Soil	26	0.46	104	0.024	1	1.72	0.004	0.06	0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
1225227	Soil	29	0.52	148	0.025	2	1.49	0.007	0.09	0.1	0.06	4.4	0.1	<0.05	4	<0.5	<0.2
1225228	Soil	18	0.29	107	0.022	1	0.99	0.005	0.06	0.2	0.03	2.0	<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
1225229	Soil	0.9	25.5	16.3	58	<0.1	20.0	8.7	255	2.67	11.4	3.3	7.3	9	<0.1	0.9	0.3	46	0.07	0.018	22
1225230	Soil	0.8	18.4	13.2	49	<0.1	18.1	7.2	174	2.17	8.3	5.1	6.2	9	<0.1	0.9	0.2	36	0.08	0.015	19
1225231	Soil	1.9	86.1	41.1	86	0.1	64.9	24.0	989	5.79	8.2	6.7	10.7	11	0.6	1.0	0.6	17	0.10	0.084	38
1225232	Soil	0.9	33.9	13.1	59	0.2	29.4	11.3	650	2.35	8.2	2.4	5.3	34	<0.1	0.9	0.3	28	0.42	0.061	21
1225233	Soil	1.0	34.7	13.0	60	<0.1	29.5	13.0	533	2.58	13.4	5.8	6.9	9	0.1	3.7	0.2	26	0.07	0.029	21
1225234	Soil	0.6	36.9	27.6	84	<0.1	27.0	15.0	544	3.28	8.8	2.2	17.6	9	<0.1	0.8	0.4	14	0.02	0.027	51
1225235	Soil	0.6	26.6	16.8	69	<0.1	27.8	11.0	346	2.73	9.8	2.1	9.8	21	<0.1	0.6	0.3	26	0.19	0.046	33
1225236	Soil	0.7	37.7	21.8	70	0.1	27.0	13.0	553	3.06	9.5	0.8	10.7	42	<0.1	0.9	0.4	21	0.45	0.051	32
1225237	Soil	0.8	28.2	13.8	50	<0.1	20.5	7.5	273	2.34	8.7	2.4	7.1	29	<0.1	0.8	0.2	29	0.29	0.040	24
1225238	Soil	1.4	89.4	42.1	106	0.1	67.0	30.1	1005	5.98	6.2	1.4	17.7	37	0.2	3.6	0.9	17	0.36	0.043	41
1225239	Soil	0.7	42.8	16.1	48	0.2	33.2	11.3	686	2.54	6.0	1.4	5.0	90	0.2	2.8	0.3	23	1.35	0.049	20
1225240	Soil	0.6	25.7	11.2	47	<0.1	20.5	7.3	270	2.13	8.3	2.0	6.4	21	<0.1	1.3	0.2	28	0.28	0.042	22
1225241	Soil	0.8	34.2	15.7	46	0.1	26.0	9.7	331	2.40	9.3	2.2	4.8	33	0.1	1.8	0.2	30	0.41	0.051	21
1225242	Soil	0.8	17.4	11.9	49	<0.1	16.9	7.6	216	2.07	7.6	2.5	6.0	20	<0.1	1.3	0.2	33	0.23	0.038	21
1225243	Soil	0.7	32.6	16.4	56	0.1	27.6	10.0	286	2.59	8.1	3.6	10.4	23	<0.1	2.6	0.3	26	0.29	0.054	33
1225244	Soil	0.8	31.6	15.0	62	0.1	26.4	9.1	266	2.66	9.4	2.5	8.7	20	<0.1	1.9	0.2	31	0.23	0.046	28
1225245	Soil	0.6	21.1	15.0	49	<0.1	18.5	7.5	229	2.25	6.6	12.5	7.9	18	<0.1	1.4	0.2	25	0.20	0.040	28
1225246	Soil	0.6	26.8	16.2	55	<0.1	23.4	9.1	300	2.50	8.0	2.9	9.0	16	<0.1	1.7	0.2	26	0.17	0.035	29
1225247	Soil	1.0	28.6	14.9	70	<0.1	26.9	10.5	276	2.75	8.9	2.5	8.2	19	0.1	1.0	0.2	26	0.22	0.045	30
1225248	Soil	0.7	31.9	13.9	55	<0.1	25.0	8.3	266	2.38	8.3	3.3	8.9	17	<0.1	1.1	0.2	27	0.18	0.037	29
1225249	Soil	0.8	27.5	13.3	50	<0.1	20.2	8.1	290	2.39	9.5	2.5	7.1	16	<0.1	1.0	0.2	33	0.16	0.023	23
1225250	Soil	0.7	19.9	13.5	46	<0.1	16.7	6.9	215	2.16	7.7	1.3	6.2	12	<0.1	1.0	0.2	30	0.12	0.031	23
1225251	Soil	0.8	23.8	15.0	56	<0.1	21.3	11.4	388	2.41	8.8	2.4	8.2	17	0.1	1.1	0.2	27	0.16	0.051	28
1225252	Soil	0.8	33.6	22.8	63	<0.1	28.8	13.1	370	2.98	13.8	3.2	9.0	19	0.1	3.8	0.3	22	0.19	0.038	34
1225253	Soil	0.7	27.5	16.2	56	<0.1	22.3	9.3	272	2.50	9.6	2.7	9.9	14	<0.1	2.4	0.2	22	0.16	0.038	32
1225254	Soil	0.6	38.2	21.5	69	<0.1	36.7	14.3	413	3.31	9.7	2.1	12.2	21	<0.1	3.1	0.3	24	0.21	0.043	35
1225255	Soil	0.7	25.4	18.1	56	<0.1	22.5	9.3	244	2.33	24.1	1.5	6.6	8	0.1	2.1	0.3	19	0.08	0.041	20
1225256	Soil	0.8	44.5	58.1	84	0.3	37.0	14.6	483	3.31	104.9	175.8	10.1	14	0.2	8.4	0.7	17	0.16	0.048	28
1225257	Soil	0.7	29.9	22.7	56	0.1	24.2	9.7	437	2.63	21.9	2.6	6.9	21	0.2	2.2	0.3	21	0.31	0.046	24
1225258	Soil	0.7	32.5	17.8	69	0.2	24.9	9.4	317	2.32	14.6	3.8	7.1	26	0.3	2.4	0.2	26	0.40	0.061	24

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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
1225229	Soil	28	0.39	177	0.038	2	1.45	0.006	0.05	0.1	0.06	4.5	0.2	<0.05	4	<0.5	<0.2
1225230	Soil	21	0.32	151	0.024	1	1.34	0.005	0.04	0.2	0.02	2.0	0.1	<0.05	3	<0.5	<0.2
1225231	Soil	14	0.14	116	0.006	1	0.63	0.003	0.09	<0.1	0.09	3.1	0.3	<0.05	1	<0.5	<0.2
1225232	Soil	21	0.32	293	0.016	1	1.07	0.006	0.06	0.2	0.07	2.8	0.1	<0.05	3	<0.5	<0.2
1225233	Soil	16	0.27	97	0.020	1	0.87	0.005	0.05	0.2	0.05	2.1	<0.1	<0.05	2	<0.5	<0.2
1225234	Soil	11	0.11	82	0.004	1	0.74	0.004	0.10	<0.1	0.11	1.8	0.2	<0.05	2	<0.5	<0.2
1225235	Soil	20	0.28	126	0.008	1	0.79	0.004	0.07	0.1	0.04	3.0	0.1	<0.05	3	<0.5	<0.2
1225236	Soil	14	0.21	174	0.006	1	0.76	0.005	0.08	0.1	0.06	2.7	0.1	<0.05	2	<0.5	<0.2
1225237	Soil	18	0.30	252	0.014	<1	0.93	0.006	0.05	0.2	0.05	2.8	<0.1	<0.05	3	<0.5	<0.2
1225238	Soil	15	0.39	149	0.003	1	1.00	0.004	0.08	<0.1	0.07	5.1	0.2	0.05	3	<0.5	<0.2
1225239	Soil	15	0.30	266	0.012	2	1.13	0.006	0.05	0.1	0.06	2.9	<0.1	0.05	3	<0.5	<0.2
1225240	Soil	19	0.34	241	0.021	<1	0.99	0.006	0.04	0.1	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1225241	Soil	21	0.30	272	0.012	<1	1.08	0.005	0.05	0.2	0.05	2.8	<0.1	<0.05	3	<0.5	<0.2
1225242	Soil	21	0.34	180	0.032	<1	1.02	0.009	0.05	0.2	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1225243	Soil	24	0.33	182	0.015	1	1.05	0.006	0.08	0.2	0.05	3.0	0.1	<0.05	3	<0.5	<0.2
1225244	Soil	26	0.37	206	0.023	1	1.04	0.006	0.08	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1225245	Soil	23	0.33	135	0.021	<1	0.95	0.005	0.06	0.1	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
1225246	Soil	24	0.31	169	0.018	<1	0.93	0.005	0.07	0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1225247	Soil	19	0.30	125	0.021	1	0.81	0.006	0.06	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225248	Soil	22	0.33	228	0.019	<1	1.01	0.006	0.06	0.1	0.05	2.9	<0.1	<0.05	3	<0.5	<0.2
1225249	Soil	24	0.35	244	0.025	<1	1.11	0.008	0.06	0.2	0.04	3.7	<0.1	<0.05	3	<0.5	<0.2
1225250	Soil	23	0.32	165	0.018	<1	1.02	0.005	0.05	0.2	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1225251	Soil	19	0.30	165	0.017	<1	0.94	0.005	0.06	0.2	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1225252	Soil	20	0.29	102	0.010	<1	0.91	0.005	0.09	0.2	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
1225253	Soil	20	0.29	145	0.014	<1	0.85	0.004	0.07	0.2	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
1225254	Soil	36	0.38	95	0.012	<1	0.99	0.007	0.13	0.1	0.04	3.3	0.1	<0.05	3	<0.5	<0.2
1225255	Soil	14	0.24	66	0.016	<1	0.76	0.004	0.05	0.3	0.01	1.4	<0.1	<0.05	2	<0.5	<0.2
1225256	Soil	20	0.28	91	0.008	<1	0.88	0.006	0.07	0.3	0.03	2.6	<0.1	<0.05	2	<0.5	<0.2
1225257	Soil	18	0.29	113	0.015	1	0.78	0.006	0.06	0.3	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1225258	Soil	19	0.35	169	0.022	1	0.86	0.008	0.07	0.2	0.04	2.3	<0.1	<0.05	2	<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
1225259	Soil	0.5	25.4	17.4	50	<0.1	20.2	8.1	200	2.78	4.9	1.0	9.5	7	<0.1	0.3	0.2	29	0.03	0.021	41
1225260	Soil	0.7	11.1	12.7	34	<0.1	14.3	4.8	121	2.02	9.2	0.8	3.7	5	<0.1	0.4	0.2	41	0.03	0.015	15
1225261	Soil	1.1	34.1	22.1	68	<0.1	39.7	13.5	338	3.91	10.8	1.0	8.4	10	0.2	0.5	0.3	53	0.04	0.048	30
1225262	Soil	0.9	24.5	14.9	52	<0.1	20.2	7.8	215	2.57	8.4	1.3	6.3	9	<0.1	0.6	0.2	41	0.05	0.023	26
1225263	Soil	0.9	18.5	15.5	46	<0.1	15.7	5.8	164	2.31	7.6	3.8	5.6	9	<0.1	0.5	0.2	42	0.05	0.026	24
1225264	Soil	0.9	25.7	14.1	53	<0.1	19.7	8.4	227	2.51	6.5	2.4	7.7	7	<0.1	0.5	0.2	37	0.04	0.032	30
1225265	Soil	0.9	26.3	14.2	45	<0.1	41.5	10.0	219	2.74	7.7	6.1	6.2	14	<0.1	0.5	0.3	54	0.10	0.040	18
1225266	Soil	1.0	34.6	18.1	64	0.1	64.0	37.9	1083	3.62	9.3	7.9	7.0	14	<0.1	0.6	0.3	70	0.09	0.047	20
1225267	Soil	0.7	20.9	11.8	44	<0.1	30.8	8.4	205	2.35	6.0	7.6	4.3	11	<0.1	0.4	0.2	46	0.07	0.025	19
1225268	Soil	0.9	18.2	12.5	44	<0.1	17.4	6.8	194	2.19	9.0	6.8	6.5	8	<0.1	0.6	0.2	43	0.06	0.016	20
1225269	Soil	0.8	18.4	12.5	47	<0.1	16.1	6.0	178	2.16	10.5	3.1	5.8	9	<0.1	0.7	0.2	42	0.07	0.018	18
1225270	Soil	0.9	21.4	13.3	46	0.1	20.1	7.6	212	2.59	10.4	4.6	7.4	9	0.1	0.6	0.3	47	0.05	0.020	19
1225271	Soil	1.0	38.9	20.5	65	<0.1	34.4	14.5	311	3.19	9.1	7.0	10.1	12	<0.1	0.7	0.4	56	0.06	0.020	34
1225272	Soil	0.8	30.9	13.4	54	<0.1	22.2	10.6	294	2.44	11.7	5.9	7.4	9	<0.1	0.8	0.2	38	0.06	0.019	24
1225273	Soil	1.1	18.3	15.6	54	<0.1	18.2	8.3	237	2.72	12.5	3.2	5.8	13	<0.1	0.7	0.3	54	0.13	0.021	17
1225274	Soil	0.9	15.1	14.9	55	<0.1	18.6	7.7	220	2.57	14.2	13.8	5.7	6	0.1	0.9	0.2	37	0.04	0.026	13
1225275	Soil	1.0	24.9	17.6	56	<0.1	23.3	8.5	216	2.93	12.0	2.9	6.7	10	0.1	1.0	0.3	45	0.06	0.020	19
1225276	Soil	0.8	17.2	14.2	47	<0.1	15.8	6.9	207	2.54	10.6	1.8	5.8	10	<0.1	0.7	0.2	48	0.08	0.016	16
1225277	Soil	1.0	37.3	17.0	62	<0.1	31.2	11.1	393	2.79	11.3	2.2	9.0	11	<0.1	1.0	0.2	27	0.08	0.021	32
1225278	Soil	0.7	14.6	11.5	44	<0.1	16.3	6.7	216	2.10	12.4	1.2	3.3	9	<0.1	0.7	0.2	31	0.09	0.045	13
1225279	Soil	0.9	19.3	13.7	44	<0.1	18.7	7.6	212	2.28	15.1	9.2	5.5	8	0.1	0.9	0.2	36	0.06	0.015	14
1225280	Soil	0.8	25.5	18.1	57	<0.1	17.2	7.1	210	2.67	9.9	3.2	9.8	12	<0.1	0.7	0.3	37	0.05	0.019	29
1225281	Soil	0.9	27.5	18.1	55	<0.1	24.1	9.0	224	2.61	13.5	7.3	8.6	8	<0.1	1.0	0.2	39	0.05	0.014	21
1225282	Soil	0.8	21.6	17.3	52	<0.1	20.8	8.3	225	2.54	11.8	2.5	7.7	8	<0.1	1.1	0.2	39	0.05	0.018	24
1225283	Soil	1.2	36.6	16.8	78	<0.1	27.7	10.8	207	3.15	12.5	5.2	11.7	11	0.1	4.8	0.3	26	0.04	0.019	34
1225284	Soil	1.2	13.0	17.8	48	0.2	14.2	7.4	223	2.67	10.1	0.7	5.5	8	<0.1	0.7	0.3	58	0.06	0.030	16
1225285	Soil	1.0	37.5	23.1	70	<0.1	19.3	8.4	233	3.72	10.0	1.7	14.6	9	<0.1	0.8	0.4	38	0.04	0.024	39
1225286	Soil	0.9	17.1	16.1	47	<0.1	17.3	7.3	209	2.60	11.0	3.0	5.6	8	<0.1	0.7	0.2	50	0.06	0.020	14
1225287	Soil	1.3	20.0	16.4	89	0.2	21.5	16.7	368	2.83	10.9	1.5	6.3	10	0.1	0.8	0.3	63	0.07	0.027	15
1225288	Soil	0.8	24.5	15.9	53	<0.1	21.9	8.3	217	2.66	10.1	2.6	8.0	10	<0.1	1.0	0.3	41	0.07	0.017	24

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Toronto ON M5X 1C9 Canada

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

CERTIFICATE OF ANALYSIS WHI11001418.1

	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
1225259	Soil	29	0.42	85	0.011	<1	1.19	0.003	0.04	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1225260	Soil	33	0.31	74	0.021	<1	1.13	0.003	0.03	0.2	0.03	1.8	<0.1	<0.05	4	0.6	<0.2
1225261	Soil	80	0.57	110	0.011	<1	1.76	0.004	0.06	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1225262	Soil	30	0.41	124	0.026	<1	1.32	0.005	0.04	0.2	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
1225263	Soil	30	0.36	99	0.026	<1	1.29	0.005	0.05	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1225264	Soil	28	0.45	112	0.025	<1	1.30	0.004	0.05	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1225265	Soil	91	0.70	111	0.072	<1	1.64	0.005	0.05	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1225266	Soil	112	0.87	132	0.079	1	1.91	0.005	0.05	0.2	0.03	3.4	0.1	<0.05	5	0.6	<0.2
1225267	Soil	70	0.60	131	0.035	<1	1.35	0.004	0.04	0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1225268	Soil	27	0.41	165	0.037	<1	1.31	0.005	0.03	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1225269	Soil	26	0.41	172	0.037	<1	1.32	0.007	0.03	0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1225270	Soil	33	0.45	122	0.034	<1	1.55	0.005	0.04	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1225271	Soil	53	0.65	213	0.032	1	1.78	0.007	0.06	0.2	0.05	4.5	0.1	<0.05	4	<0.5	0.2
1225272	Soil	28	0.45	184	0.036	<1	1.25	0.005	0.04	0.2	0.05	3.3	<0.1	<0.05	3	<0.5	<0.2
1225273	Soil	30	0.44	238	0.036	<1	1.68	0.007	0.03	0.2	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
1225274	Soil	22	0.37	100	0.027	<1	1.32	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1225275	Soil	27	0.42	195	0.031	<1	1.66	0.005	0.06	0.2	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1225276	Soil	27	0.42	210	0.041	<1	1.57	0.007	0.04	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1225277	Soil	18	0.24	199	0.011	<1	0.89	0.004	0.05	0.1	0.06	3.6	<0.1	<0.05	2	0.5	<0.2
1225278	Soil	19	0.33	137	0.024	<1	0.99	0.008	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1225279	Soil	21	0.34	147	0.034	<1	1.24	0.005	0.03	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225280	Soil	24	0.50	166	0.032	1	1.55	0.006	0.05	0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1225281	Soil	25	0.43	156	0.036	1	1.55	0.006	0.04	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1225282	Soil	23	0.42	182	0.026	1	1.48	0.005	0.04	0.2	0.05	2.5	<0.1	<0.05	4	<0.5	<0.2
1225283	Soil	17	0.30	137	0.023	<1	1.00	0.005	0.04	0.2	0.05	2.6	<0.1	<0.05	2	0.6	<0.2
1225284	Soil	27	0.34	136	0.030	<1	1.86	0.006	0.03	0.2	0.01	2.1	0.1	<0.05	6	<0.5	<0.2
1225285	Soil	27	0.51	127	0.023	<1	1.85	0.005	0.04	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1225286	Soil	29	0.43	201	0.034	1	1.84	0.006	0.03	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1225287	Soil	36	0.47	247	0.056	<1	2.27	0.008	0.05	0.1	0.04	4.5	0.1	<0.05	6	<0.5	<0.2
1225288	Soil	23	0.44	153	0.036	<1	1.38	0.007	0.03	0.2	0.02	2.1	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	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
1225289	Soil	1.3	40.2	25.3	62	<0.1	17.2	7.3	187	3.51	12.1	2.6	10.9	8	<0.1	0.9	0.4	29	0.03	0.020	27
1225290	Soil	0.8	17.5	13.4	48	0.2	15.4	6.6	184	2.81	14.0	28.2	5.0	7	<0.1	0.7	0.2	48	0.05	0.021	12
1225291	Soil	1.2	31.6	17.3	61	<0.1	27.5	9.9	210	2.76	15.9	2.4	7.7	8	<0.1	1.2	0.3	43	0.04	0.017	16
1225292	Soil	1.3	37.5	22.0	73	<0.1	26.2	10.8	240	3.41	13.4	3.4	11.7	10	<0.1	0.9	0.4	50	0.05	0.019	32
1225293	Soil	0.9	27.5	16.6	61	0.1	20.7	8.0	212	2.69	9.4	2.8	10.1	10	<0.1	0.8	0.2	35	0.06	0.014	29
1225294	Soil	0.8	31.7	14.5	56	<0.1	22.9	8.8	253	2.52	12.2	5.2	6.4	14	<0.1	1.0	0.2	43	0.11	0.016	20
1225295	Soil	1.3	25.1	14.5	61	<0.1	20.5	7.5	199	3.00	13.2	2.6	7.4	7	0.1	2.4	0.3	32	0.05	0.052	29
1225296	Soil	0.8	24.6	9.7	49	<0.1	19.8	6.9	237	1.97	13.1	5.8	3.9	10	0.1	0.9	0.2	30	0.12	0.032	15
1225297	Soil	1.1	37.4	16.3	62	<0.1	22.6	9.0	194	2.96	11.7	6.8	7.8	9	<0.1	1.0	0.3	44	0.05	0.020	23
1225298	Soil	1.2	31.4	16.5	63	<0.1	23.9	11.2	216	2.80	10.8	2.6	7.2	12	<0.1	1.1	0.3	43	0.07	0.020	19
1225299	Soil	1.0	21.5	14.2	62	<0.1	19.2	7.2	182	2.55	9.7	3.7	6.7	10	0.1	1.1	0.2	30	0.09	0.036	22
1225300	Soil	0.9	19.8	10.8	51	<0.1	16.9	6.9	178	2.26	7.2	1.9	4.4	9	0.2	0.8	0.2	28	0.08	0.031	20
1225301	Soil	1.1	23.7	12.6	64	0.1	22.4	8.1	283	2.28	10.8	2.1	4.4	21	<0.1	1.1	0.2	37	0.27	0.047	17
1225302	Soil	1.0	24.8	11.6	62	0.1	22.7	8.7	307	2.20	10.2	2.8	4.9	29	0.2	1.1	0.2	31	0.35	0.058	16
1225303	Soil	0.6	25.7	8.9	54	0.1	19.4	6.8	177	1.74	12.0	11.4	3.4	14	0.2	0.8	0.1	24	0.26	0.062	12
1225304	Soil	0.6	24.5	17.1	63	0.1	21.2	8.9	342	2.20	20.6	2.4	6.6	13	0.2	3.3	0.3	24	0.16	0.051	27
1225305	Soil	0.8	19.7	11.5	45	<0.1	19.0	6.8	175	2.27	11.1	2.8	5.0	8	<0.1	0.8	0.2	35	0.07	0.022	20
1225306	Soil	0.8	20.2	10.5	46	<0.1	16.6	6.4	156	2.08	6.1	2.7	5.2	7	<0.1	0.6	0.2	29	0.06	0.017	20
1225307	Soil	1.0	27.4	14.6	63	<0.1	22.1	8.2	207	2.60	9.9	1.1	7.0	9	0.1	1.0	0.2	35	0.08	0.027	24
1225308	Soil	0.3	25.3	25.4	63	0.1	27.9	10.9	641	2.61	14.1	2.7	15.7	30	<0.1	0.6	0.2	12	0.68	0.054	46
1225309	Soil	1.0	22.8	19.5	59	<0.1	14.0	5.9	176	2.91	5.5	2.1	12.3	6	<0.1	0.4	0.3	24	0.03	0.021	43
1225310	Soil	0.6	19.0	12.6	45	<0.1	14.3	5.0	125	2.24	5.5	1.7	7.7	5	<0.1	0.4	0.2	24	0.04	0.026	31
1225311	Soil	0.7	16.0	13.2	42	<0.1	12.9	4.6	130	2.08	5.7	3.0	1.7	6	<0.1	0.3	0.2	25	0.04	0.035	28
1225312	Soil	0.9	17.2	13.7	42	<0.1	13.1	5.0	140	2.20	6.9	2.7	4.3	6	<0.1	0.4	0.2	28	0.04	0.043	25
1225313	Soil	0.9	21.3	14.7	52	<0.1	21.9	10.5	249	2.60	11.8	2.8	7.0	6	<0.1	0.7	0.2	35	0.05	0.020	16
1225314	Soil	1.1	17.8	14.2	46	<0.1	15.3	7.1	198	2.56	8.5	1.7	6.8	7	<0.1	0.5	0.2	43	0.05	0.020	22
1225315	Soil	1.1	28.3	16.9	59	<0.1	21.5	8.1	192	2.89	10.6	2.1	10.2	6	<0.1	0.7	0.2	33	0.03	0.021	28
1225316	Soil	1.1	25.2	20.5	50	0.2	19.2	5.9	141	3.30	8.4	2.8	11.6	6	<0.1	0.4	0.2	26	0.03	0.036	38
1225317	Soil	0.7	35.0	23.2	65	<0.1	14.7	5.5	182	3.43	5.6	1.0	17.1	6	<0.1	0.3	0.4	17	0.02	0.023	57
1225318	Soil	0.8	31.8	18.8	58	<0.1	18.0	6.5	167	2.97	7.9	8.2	12.9	6	<0.1	0.5	0.3	28	0.03	0.018	36

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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
1225289	Soil	23	0.50	144	0.016	<1	1.48	0.006	0.04	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1225290	Soil	26	0.35	141	0.033	<1	1.53	0.005	0.03	0.3	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1225291	Soil	28	0.43	159	0.029	<1	1.75	0.006	0.04	0.2	0.04	2.4	0.1	<0.05	4	<0.5	<0.2
1225292	Soil	32	0.57	182	0.040	<1	2.04	0.007	0.05	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
1225293	Soil	24	0.51	189	0.030	1	1.43	0.007	0.04	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1225294	Soil	26	0.46	405	0.044	<1	1.44	0.011	0.04	0.2	0.06	4.1	<0.1	<0.05	4	<0.5	<0.2
1225295	Soil	18	0.31	104	0.007	<1	1.37	0.003	0.04	0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1225296	Soil	18	0.30	263	0.022	1	0.91	0.005	0.03	0.3	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1225297	Soil	27	0.46	166	0.029	1	1.51	0.006	0.05	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
1225298	Soil	26	0.47	233	0.026	<1	1.55	0.008	0.06	0.2	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1225299	Soil	18	0.39	161	0.019	<1	1.13	0.006	0.04	0.2	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1225300	Soil	19	0.35	217	0.012	<1	1.09	0.005	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1225301	Soil	21	0.38	379	0.024	<1	1.24	0.008	0.04	0.2	0.04	2.2	<0.1	<0.05	4	0.6	<0.2
1225302	Soil	18	0.37	369	0.018	<1	1.00	0.008	0.04	0.2	0.05	2.2	<0.1	<0.05	3	<0.5	<0.2
1225303	Soil	14	0.30	230	0.016	<1	0.66	0.006	0.03	0.2	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1225304	Soil	16	0.33	133	0.025	1	0.89	0.008	0.07	0.4	0.02	1.8	0.1	<0.05	3	<0.5	<0.2
1225305	Soil	19	0.30	147	0.023	<1	1.16	0.006	0.03	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225306	Soil	19	0.36	196	0.015	<1	1.11	0.007	0.03	0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1225307	Soil	22	0.42	187	0.019	<1	1.33	0.006	0.04	0.2	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1225308	Soil	11	0.28	123	0.005	<1	0.76	0.003	0.08	<0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1225309	Soil	20	0.51	91	0.013	<1	1.34	0.005	0.05	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1225310	Soil	19	0.40	67	0.013	<1	1.17	0.004	0.03	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1225311	Soil	18	0.36	74	0.009	<1	1.09	0.003	0.03	0.1	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1225312	Soil	18	0.34	82	0.011	<1	1.13	0.003	0.03	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1225313	Soil	25	0.37	124	0.024	<1	1.55	0.004	0.04	0.2	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1225314	Soil	26	0.39	123	0.031	<1	1.55	0.005	0.04	0.2	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
1225315	Soil	24	0.43	97	0.018	<1	1.58	0.005	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1225316	Soil	17	0.33	82	0.007	<1	1.34	0.003	0.04	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1225317	Soil	20	0.58	58	0.004	<1	1.52	0.004	0.03	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1225318	Soil	22	0.48	79	0.013	<1	1.47	0.005	0.05	<0.1	0.01	2.2	<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: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001418.1

		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
1225319	Soil		0.8	24.4	24.6	54	<0.1	12.0	5.9	165	2.96	5.4	0.8	14.0	8	<0.1	0.3	0.3	21	0.02	0.021	46
1225320	Soil		1.0	29.4	15.6	47	0.3	17.9	8.0	200	2.42	13.0	5.5	8.4	7	<0.1	0.6	0.2	35	0.04	0.013	18
1225321	Soil		1.0	12.2	12.3	55	<0.1	16.1	6.9	205	2.87	11.4	1.7	3.0	8	0.1	0.5	0.2	48	0.07	0.042	12
1225322	Soil		1.0	37.7	15.2	67	<0.1	25.6	10.8	262	2.77	8.8	2.8	9.0	10	<0.1	0.8	0.2	44	0.06	0.020	33
1225323	Soil		0.9	13.7	11.2	42	<0.1	14.9	7.1	177	2.36	10.3	0.9	3.7	6	<0.1	0.6	0.2	42	0.04	0.022	15
1225324	Soil		0.8	28.5	13.8	51	<0.1	21.8	10.4	270	2.54	9.3	2.7	7.1	8	<0.1	0.7	0.2	39	0.06	0.017	25
1225325	Soil		0.9	26.8	15.3	59	<0.1	23.6	10.0	207	2.62	7.7	2.6	7.5	7	<0.1	0.9	0.2	36	0.04	0.019	26
1225326	Soil		0.8	24.6	13.6	55	<0.1	20.8	8.0	195	2.46	6.3	1.3	6.6	8	<0.1	0.8	0.2	34	0.05	0.020	25
1225327	Soil		0.8	21.7	13.6	57	0.1	21.3	8.4	230	2.46	7.5	2.5	6.0	8	<0.1	1.1	0.2	30	0.05	0.040	23
1225328	Soil		0.9	38.3	24.5	84	0.1	31.5	18.0	765	2.94	19.6	3.3	6.0	15	0.2	3.8	0.3	26	0.17	0.056	32
1225329	Soil		0.6	37.3	25.7	78	<0.1	36.1	15.7	490	3.10	20.1	1.5	12.9	19	0.2	13.6	0.3	18	0.21	0.048	35
1225330	Soil		0.5	30.2	18.3	66	<0.1	24.9	10.8	346	2.61	12.9	2.0	9.6	22	0.1	3.9	0.2	26	0.25	0.056	29
1225331	Soil		0.7	38.4	41.5	81	0.2	25.3	10.7	323	3.10	30.6	3.2	10.7	27	0.2	6.7	0.8	21	0.36	0.053	31
1225332	Soil		0.9	39.0	37.0	83	0.2	31.6	14.1	496	3.07	28.8	4.5	11.2	31	0.4	7.7	0.6	23	0.43	0.061	32
1225333	Soil		0.7	34.1	26.1	61	0.2	25.8	8.8	432	2.24	19.8	2.8	4.9	74	0.3	5.9	0.4	16	1.25	0.056	18
1225334	Soil		0.7	30.8	31.3	72	0.2	26.9	11.9	621	2.82	24.5	2.9	7.7	42	0.3	6.6	0.5	19	0.64	0.049	24
1225335	Soil		0.7	35.1	30.3	75	0.2	29.7	12.9	451	2.93	24.0	5.3	8.9	25	0.2	5.9	0.5	21	0.31	0.054	28
1225336	Soil		0.6	23.8	20.2	57	0.1	18.8	7.5	341	2.20	19.3	13.3	5.2	22	0.2	5.1	0.3	22	0.29	0.064	18
1225337	Soil		0.7	32.9	34.7	79	0.2	27.4	10.7	696	2.71	29.8	2.9	7.0	34	0.3	7.8	0.6	19	0.52	0.054	24
1225338	Soil		0.5	22.8	25.6	69	0.2	19.4	8.2	757	1.99	18.9	3.3	4.7	37	0.3	4.3	0.5	17	0.60	0.059	20
1225339	Soil		0.6	17.9	16.7	59	0.1	16.6	7.6	415	1.81	15.5	8.2	3.9	34	0.2	2.8	0.3	19	0.55	0.054	15
1225340	Soil		0.6	21.4	13.5	61	0.1	18.0	8.1	413	1.85	15.7	2.6	3.5	35	0.3	1.7	0.2	20	0.62	0.056	14
1225341	Soil		0.4	22.2	15.4	65	0.1	19.9	8.4	834	1.83	15.7	9.2	4.1	45	0.3	1.8	0.2	16	0.75	0.055	15
1225342	Soil		0.5	14.8	13.5	53	0.1	14.1	9.0	393	1.64	13.6	141.2	2.7	28	0.2	1.4	0.2	20	0.46	0.057	13
1225343	Soil		0.7	32.3	22.8	72	0.2	26.2	11.6	491	2.64	34.7	45.4	9.6	23	0.3	3.9	0.3	18	0.43	0.061	26
1225344	Soil		0.6	17.4	14.6	53	<0.1	15.6	7.8	417	1.85	20.7	4.4	5.7	18	0.2	2.5	0.2	16	0.24	0.066	18
1225345	Soil		0.5	25.6	19.1	59	0.1	22.1	9.4	329	2.32	22.9	2.8	8.9	16	<0.1	4.0	0.3	18	0.18	0.051	28
1225346	Soil		0.6	30.7	19.9	83	0.1	24.2	11.0	405	2.68	30.2	3.6	9.2	27	0.3	2.0	0.3	20	0.64	0.070	23
1225347	Soil		1.1	30.5	18.2	77	0.2	25.3	9.8	479	2.43	26.7	3.7	6.7	40	0.4	1.8	0.3	23	1.02	0.071	17
1225348	Soil		0.7	24.3	18.4	63	0.2	19.9	7.9	322	2.08	33.9	4.1	7.0	20	0.2	2.1	0.3	19	0.26	0.062	19

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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
1225319	Soil	19	0.48	62	0.006	<1	1.38	0.003	0.03	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1225320	Soil	26	0.39	135	0.029	<1	1.31	0.005	0.03	0.2	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
1225321	Soil	27	0.35	86	0.021	<1	1.34	0.004	0.04	0.2	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1225322	Soil	33	0.50	144	0.038	<1	1.51	0.008	0.05	0.1	0.05	4.8	<0.1	<0.05	5	<0.5	<0.2
1225323	Soil	22	0.31	86	0.016	<1	1.18	0.005	0.03	0.2	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1225324	Soil	28	0.39	192	0.021	<1	1.35	0.005	0.04	0.2	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
1225325	Soil	30	0.36	118	0.021	<1	1.17	0.005	0.05	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1225326	Soil	28	0.35	138	0.019	<1	1.11	0.004	0.05	0.1	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
1225327	Soil	23	0.30	139	0.015	<1	0.95	0.004	0.07	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1225328	Soil	25	0.45	208	0.010	<1	1.27	0.007	0.08	0.6	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1225329	Soil	20	0.34	114	0.007	1	0.98	0.006	0.14	0.1	0.05	2.5	0.1	<0.05	3	<0.5	<0.2
1225330	Soil	21	0.41	84	0.023	<1	1.01	0.011	0.09	0.1	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1225331	Soil	18	0.33	147	0.013	3	0.90	0.006	0.10	0.3	0.14	2.2	0.1	<0.05	3	<0.5	<0.2
1225332	Soil	21	0.42	131	0.014	3	1.06	0.008	0.09	0.3	0.08	2.5	<0.1	<0.05	3	<0.5	<0.2
1225333	Soil	16	0.32	165	0.008	3	0.84	0.006	0.06	0.3	0.08	1.5	<0.1	0.08	2	<0.5	<0.2
1225334	Soil	18	0.37	133	0.008	2	0.95	0.005	0.08	0.2	0.07	1.8	<0.1	<0.05	3	<0.5	<0.2
1225335	Soil	19	0.37	118	0.013	2	0.98	0.005	0.09	0.3	0.07	2.2	0.1	<0.05	3	<0.5	<0.2
1225336	Soil	15	0.27	169	0.014	1	0.70	0.004	0.05	0.3	0.06	1.7	<0.1	<0.05	2	<0.5	<0.2
1225337	Soil	17	0.34	162	0.008	2	0.89	0.004	0.08	0.3	0.08	1.8	<0.1	0.06	3	<0.5	<0.2
1225338	Soil	16	0.31	220	0.007	2	0.81	0.004	0.06	0.2	0.09	1.5	<0.1	0.07	2	<0.5	<0.2
1225339	Soil	15	0.30	157	0.010	1	0.73	0.005	0.05	0.5	0.05	1.4	<0.1	0.06	2	<0.5	<0.2
1225340	Soil	14	0.31	169	0.014	1	0.69	0.005	0.04	0.5	0.04	1.6	<0.1	0.06	2	<0.5	<0.2
1225341	Soil	13	0.28	214	0.010	2	0.70	0.006	0.05	0.4	0.05	1.6	<0.1	0.06	2	<0.5	<0.2
1225342	Soil	13	0.27	200	0.011	1	0.66	0.005	0.04	0.4	0.05	1.5	<0.1	<0.05	2	<0.5	<0.2
1225343	Soil	14	0.36	108	0.013	1	0.81	0.006	0.11	0.3	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1225344	Soil	12	0.27	97	0.014	<1	0.58	0.006	0.05	0.6	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1225345	Soil	15	0.33	95	0.016	1	0.82	0.005	0.10	0.3	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1225346	Soil	14	0.41	148	0.020	1	0.79	0.007	0.08	0.2	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1225347	Soil	16	0.56	235	0.026	2	0.77	0.007	0.06	0.3	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1225348	Soil	14	0.30	122	0.019	<1	0.71	0.007	0.06	0.4	0.03	1.9	<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
1225349	Soil	0.8	27.3	14.4	72	0.2	19.9	7.6	275	2.11	22.8	5.5	6.0	20	0.3	1.5	0.2	22	0.32	0.073	16
1225350	Soil	0.7	26.8	15.3	62	0.2	18.7	7.4	255	2.38	24.1	3.3	4.5	21	0.3	1.4	0.2	25	0.31	0.059	14
1225351	Soil	0.3	12.7	10.1	53	0.1	15.3	7.5	180	1.49	9.8	8.3	3.2	20	0.2	0.7	0.2	21	0.28	0.067	11
1225352	Soil	0.5	24.2	11.3	49	0.1	18.3	7.5	432	1.79	14.1	42.7	2.4	35	0.3	1.2	0.2	22	0.59	0.058	13
1225353	Soil	0.5	24.0	19.1	66	0.1	17.4	7.0	219	2.07	22.5	4.0	5.0	25	0.3	2.9	0.3	19	0.37	0.057	17
1225354	Soil	0.6	27.2	20.4	62	0.2	19.6	8.4	319	2.18	25.5	2.9	6.1	25	0.2	4.0	0.3	17	0.42	0.057	20
1225355	Soil	0.5	26.6	25.2	63	0.2	21.2	10.4	307	2.45	26.2	5.0	8.1	20	0.2	4.7	0.3	18	0.25	0.050	23
1225356	Soil	0.8	37.2	31.9	106	0.2	32.4	14.0	563	3.38	42.4	3.9	9.0	31	0.4	5.7	0.5	25	0.50	0.056	28
1225357	Soil	0.7	28.3	25.7	71	0.2	21.3	9.9	353	2.54	36.3	4.3	7.4	20	0.1	4.8	0.4	19	0.28	0.054	24
1225358	Soil	0.5	29.7	26.0	75	0.2	25.4	11.2	506	2.59	34.9	3.6	6.9	26	0.3	4.9	0.4	19	0.39	0.058	23
1225359	Soil	0.7	30.2	25.7	73	0.2	25.2	12.3	562	2.87	37.7	3.6	6.3	29	0.3	4.7	0.4	19	0.46	0.049	20
1225360	Soil	0.5	22.4	21.0	57	0.1	17.7	8.1	217	2.02	28.4	3.6	6.0	24	0.2	3.8	0.3	16	0.31	0.054	18
1225361	Soil	0.9	19.2	13.5	53	<0.1	16.4	8.5	302	2.42	11.3	3.0	3.4	10	<0.1	0.7	0.2	40	0.06	0.033	17
1225362	Soil	1.0	29.3	17.8	67	<0.1	36.8	16.7	376	3.18	10.5	4.3	8.1	8	0.1	0.5	0.2	47	0.05	0.021	22
1225363	Soil	0.7	26.4	17.3	64	<0.1	28.1	10.8	278	3.11	5.3	1.8	11.9	7	<0.1	0.5	0.3	22	0.02	0.025	33
1225364	Soil	0.8	18.5	12.5	44	<0.1	17.4	5.7	174	2.26	6.0	1.8	5.6	7	<0.1	0.5	0.2	30	0.04	0.024	24
1225365	Soil	0.6	19.4	13.3	48	<0.1	17.2	6.7	221	2.35	6.6	2.2	4.3	8	<0.1	0.4	0.2	34	0.06	0.048	21
1225366	Soil	1.1	19.7	11.8	51	<0.1	25.5	9.1	238	2.50	10.6	4.2	5.0	9	0.1	0.7	0.2	43	0.08	0.032	16
1225367	Soil	0.8	24.8	11.2	50	<0.1	29.0	9.3	213	2.41	9.3	4.6	5.3	9	<0.1	0.6	0.2	52	0.07	0.019	17
1225368	Soil	1.1	23.8	14.7	67	<0.1	27.5	12.3	262	2.82	13.7	15.2	7.0	8	<0.1	1.0	0.2	50	0.06	0.021	17
1225369	Soil	1.1	26.5	13.3	58	<0.1	22.2	10.0	271	2.56	11.1	3.7	5.8	8	0.1	0.8	0.2	45	0.06	0.022	20
1225370	Soil	0.9	23.8	12.9	55	<0.1	22.2	9.0	241	2.45	9.5	3.2	6.4	8	0.1	0.8	0.2	40	0.05	0.018	18
1225371	Soil	0.8	20.4	13.2	50	<0.1	17.4	6.1	164	2.55	12.4	2.6	5.1	9	<0.1	0.6	0.2	47	0.08	0.031	18
1225372	Soil	1.0	20.2	12.4	55	<0.1	17.5	7.7	257	2.39	9.1	1.8	3.8	9	<0.1	0.7	0.2	46	0.06	0.043	19
1225373	Soil	0.6	9.7	10.2	27	<0.1	7.9	2.7	94	1.55	7.6	3.4	0.5	7	<0.1	0.3	0.2	32	0.06	0.068	14
1225374	Soil	0.6	26.6	13.8	52	<0.1	17.8	7.8	272	2.27	8.7	3.0	4.8	14	<0.1	0.6	0.2	33	0.15	0.044	23
1225375	Soil	1.0	14.2	11.9	43	<0.1	14.6	5.7	152	2.02	7.6	1.4	4.6	11	<0.1	0.6	0.2	39	0.11	0.024	19
1225376	Soil	0.7	29.4	13.6	47	<0.1	22.1	8.7	295	2.44	8.3	3.3	6.0	18	<0.1	0.7	0.2	32	0.22	0.033	23
1225377	Soil	1.5	71.2	31.0	106	<0.1	44.8	24.8	772	5.04	13.0	4.2	18.3	14	<0.1	1.5	0.6	22	0.17	0.022	52
1225378	Soil	1.0	24.7	12.0	57	<0.1	21.9	9.4	331	2.50	8.6	2.6	5.9	16	<0.1	0.8	0.2	45	0.19	0.027	20

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

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

CERTIFICATE OF ANALYSIS WHI11001418.1

	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
1225349	Soil	15	0.33	139	0.022	<1	0.72	0.007	0.05	0.3	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1225350	Soil	16	0.31	202	0.014	1	0.82	0.005	0.03	0.3	0.04	2.0	<0.1	<0.05	2	0.6	<0.2
1225351	Soil	13	0.28	152	0.017	<1	0.62	0.005	0.03	0.4	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1225352	Soil	13	0.25	212	0.013	1	0.64	0.006	0.03	1.2	0.05	1.6	<0.1	0.05	2	0.6	<0.2
1225353	Soil	14	0.31	130	0.009	<1	0.81	0.005	0.06	0.3	0.04	1.5	<0.1	<0.05	2	<0.5	<0.2
1225354	Soil	14	0.29	119	0.010	1	0.72	0.004	0.07	0.4	0.04	1.5	<0.1	<0.05	2	<0.5	<0.2
1225355	Soil	14	0.29	114	0.011	2	0.78	0.006	0.08	0.4	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1225356	Soil	23	0.46	146	0.011	1	1.21	0.007	0.15	0.4	0.05	2.3	0.1	0.05	4	<0.5	<0.2
1225357	Soil	16	0.30	115	0.012	<1	0.82	0.006	0.09	0.4	0.04	1.9	<0.1	<0.05	2	<0.5	<0.2
1225358	Soil	16	0.30	115	0.013	1	0.81	0.005	0.09	0.4	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1225359	Soil	16	0.30	123	0.008	1	0.79	0.005	0.08	0.3	0.05	1.8	<0.1	<0.05	2	<0.5	<0.2
1225360	Soil	13	0.25	107	0.012	<1	0.64	0.005	0.05	0.4	0.03	1.4	<0.1	<0.05	2	<0.5	<0.2
1225361	Soil	24	0.38	189	0.030	<1	1.34	0.006	0.03	0.2	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
1225362	Soil	56	0.55	120	0.045	<1	1.68	0.006	0.05	0.2	0.05	3.8	<0.1	<0.05	4	<0.5	<0.2
1225363	Soil	26	0.30	57	0.007	<1	0.97	0.003	0.04	<0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225364	Soil	25	0.30	77	0.017	<1	1.10	0.003	0.04	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1225365	Soil	26	0.38	108	0.019	<1	1.21	0.005	0.04	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1225366	Soil	61	0.39	131	0.032	<1	1.53	0.004	0.04	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1225367	Soil	65	0.50	138	0.053	2	1.39	0.005	0.05	0.1	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
1225368	Soil	39	0.45	167	0.045	<1	1.82	0.006	0.05	0.3	0.03	3.7	0.1	<0.05	4	0.6	<0.2
1225369	Soil	32	0.39	170	0.032	<1	1.61	0.004	0.05	0.3	0.05	3.3	0.1	<0.05	4	0.7	<0.2
1225370	Soil	27	0.34	143	0.032	<1	1.34	0.005	0.05	0.2	0.03	2.6	<0.1	<0.05	3	0.7	<0.2
1225371	Soil	29	0.39	169	0.035	2	1.58	0.005	0.04	0.2	0.04	3.7	<0.1	<0.05	4	0.6	<0.2
1225372	Soil	27	0.37	192	0.027	<1	1.39	0.005	0.05	0.2	0.03	2.9	<0.1	<0.05	4	0.5	<0.2
1225373	Soil	18	0.21	110	0.013	<1	0.94	0.006	0.03	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1225374	Soil	22	0.37	205	0.019	<1	1.16	0.005	0.05	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1225375	Soil	22	0.33	146	0.025	2	1.16	0.004	0.05	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1225376	Soil	20	0.34	217	0.014	<1	1.17	0.005	0.05	0.2	0.04	3.2	<0.1	<0.05	3	0.5	<0.2
1225377	Soil	21	0.70	169	0.003	<1	1.46	0.004	0.06	0.1	0.06	4.8	<0.1	<0.05	4	0.6	<0.2
1225378	Soil	26	0.39	245	0.026	<1	1.49	0.006	0.05	0.2	0.03	3.8	0.1	<0.05	4	<0.5	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001418.1

	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
1225379	Soil	0.5	27.0	19.9	56	<0.1	23.3	10.1	153	2.39	6.8	1.7	9.1	8	<0.1	0.9	0.3	17	0.04	0.032	60
1225380	Soil	1.5	32.3	16.8	62	<0.1	24.8	12.1	375	2.51	14.5	4.4	8.6	8	<0.1	2.7	0.2	26	0.05	0.025	37
1225381	Soil	0.9	33.7	20.2	59	<0.1	18.7	7.6	161	2.94	7.1	2.1	13.7	12	<0.1	1.1	0.3	23	0.04	0.021	44
1225382	Soil	0.8	18.4	14.3	46	<0.1	16.0	6.1	146	2.16	9.4	1.3	7.4	8	<0.1	0.8	0.2	36	0.05	0.015	26
1225383	Soil	1.0	24.9	18.0	59	<0.1	21.4	8.8	206	2.49	19.7	2.3	8.1	8	<0.1	2.0	0.2	35	0.05	0.021	27
1225384	Soil	1.0	28.0	12.3	60	<0.1	20.2	9.3	237	2.31	12.6	3.0	5.9	10	<0.1	1.3	0.2	38	0.08	0.023	22
1225385	Soil	0.7	21.4	8.8	54	<0.1	18.6	7.9	244	1.91	11.3	3.0	3.4	12	<0.1	0.8	0.1	29	0.14	0.062	16
1225386	Soil	0.9	26.6	14.9	56	<0.1	21.1	9.6	232	2.54	13.3	10.5	7.2	9	0.1	1.9	0.2	39	0.06	0.019	23
1225387	Soil	0.8	18.2	11.7	49	<0.1	16.2	6.6	167	2.11	10.8	2.3	4.5	10	<0.1	0.8	0.2	37	0.10	0.041	17
1225388	Soil	1.0	26.6	15.5	56	<0.1	21.1	9.2	363	2.53	15.4	3.2	4.7	10	0.1	1.7	0.2	33	0.09	0.046	24
1225389	Soil	0.8	21.9	13.0	39	0.1	17.2	7.4	250	2.06	12.0	1.2	0.6	12	0.1	0.8	0.2	30	0.11	0.086	17
1225390	Soil	0.7	22.9	11.1	51	<0.1	18.9	6.7	205	2.06	11.0	1.8	2.8	15	0.1	0.8	0.2	31	0.19	0.064	20
1225391	Soil	0.8	31.4	15.7	62	0.1	27.1	11.1	265	2.55	14.8	11.4	8.9	19	0.1	1.7	0.3	26	0.25	0.060	32
1225392	Soil	0.8	30.2	16.5	59	<0.1	23.8	9.7	314	2.61	29.7	5.4	8.5	6	0.1	2.6	0.2	22	0.06	0.030	32
1225393	Soil	0.4	18.7	7.8	47	<0.1	18.0	7.0	174	1.72	9.2	2.1	3.5	14	<0.1	0.6	0.2	27	0.19	0.060	15
1225394	Soil	0.7	33.5	9.5	62	<0.1	25.5	10.3	325	2.02	13.9	10.7	4.6	11	0.2	0.8	0.2	31	0.15	0.062	17
1225395	Soil	1.1	25.9	10.9	61	<0.1	22.3	8.3	272	2.24	12.2	1.9	4.5	14	<0.1	1.1	0.2	40	0.14	0.040	19
1225396	Soil	0.4	21.5	15.2	43	<0.1	17.5	5.6	193	1.90	5.3	1.7	14.7	10	<0.1	0.9	0.2	16	0.13	0.035	52
1225397	Soil	0.5	42.9	33.5	70	<0.1	37.7	15.7	527	3.90	4.8	2.2	23.1	10	<0.1	0.4	0.4	14	0.15	0.019	65
1225398	Soil	0.9	21.4	18.7	52	<0.1	19.7	10.1	212	2.69	11.0	1.4	8.9	8	<0.1	1.0	0.2	40	0.06	0.016	30

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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
1225379	Soil	11	0.17	112	0.010	<1	0.65	0.003	0.04	0.1	0.04	1.5	<0.1	<0.05	2	<0.5	<0.2
1225380	Soil	17	0.31	174	0.026	1	0.97	0.005	0.05	0.3	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
1225381	Soil	18	0.43	120	0.013	<1	1.23	0.004	0.04	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225382	Soil	21	0.30	126	0.032	1	1.21	0.004	0.04	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1225383	Soil	24	0.39	126	0.037	<1	1.36	0.005	0.06	0.3	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1225384	Soil	22	0.38	209	0.040	<1	1.25	0.005	0.05	0.2	0.04	3.6	<0.1	<0.05	3	<0.5	<0.2
1225385	Soil	18	0.32	142	0.027	<1	0.92	0.004	0.03	0.2	0.03	2.3	<0.1	<0.05	3	0.5	<0.2
1225386	Soil	23	0.36	141	0.040	<1	1.42	0.006	0.05	0.3	0.03	3.1	0.1	<0.05	4	<0.5	<0.2
1225387	Soil	21	0.36	148	0.034	<1	1.18	0.008	0.04	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1225388	Soil	21	0.37	141	0.031	<1	1.17	0.005	0.04	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1225389	Soil	17	0.27	194	0.008	<1	1.01	0.004	0.03	0.2	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1225390	Soil	19	0.36	227	0.024	<1	1.00	0.006	0.03	0.4	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225391	Soil	21	0.42	240	0.018	<1	1.17	0.007	0.05	0.3	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1225392	Soil	19	0.38	100	0.012	<1	1.16	0.004	0.06	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1225393	Soil	16	0.31	196	0.024	<1	0.83	0.005	0.03	0.3	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1225394	Soil	18	0.32	128	0.031	<1	0.93	0.005	0.04	0.3	0.03	2.7	<0.1	<0.05	2	<0.5	<0.2
1225395	Soil	22	0.38	239	0.045	<1	1.14	0.006	0.04	0.2	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1225396	Soil	11	0.18	180	0.012	1	0.77	0.003	0.08	<0.1	0.11	2.5	<0.1	<0.05	2	<0.5	<0.2
1225397	Soil	14	0.37	131	0.006	<1	1.08	0.004	0.05	<0.1	0.03	5.2	<0.1	<0.05	3	<0.5	<0.2
1225398	Soil	22	0.28	139	0.029	<1	1.36	0.006	0.04	0.1	0.03	3.0	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: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001418.1

	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																					
1224947	Soil	0.6	22.6	15.5	73	0.1	21.6	10.4	916	2.72	6.4	2.7	4.4	22	0.2	0.5	0.3	23	0.31	0.065	18
REP 1224947	QC	0.6	22.3	15.0	72	0.2	21.8	10.4	904	2.71	6.5	4.3	4.5	22	0.2	0.4	0.3	23	0.31	0.066	19
1225063	Soil	1.1	31.1	17.1	76	0.1	28.5	10.7	390	2.56	13.0	3.0	6.9	17	0.2	2.8	0.2	25	0.20	0.061	25
REP 1225063	QC	1.1	31.1	15.8	76	<0.1	28.3	10.7	386	2.56	12.6	7.1	7.2	16	0.2	2.9	0.2	25	0.19	0.058	26
1225066	Soil	0.8	22.1	12.5	48	<0.1	17.0	6.7	182	2.21	7.9	1.0	5.0	11	<0.1	1.3	0.3	21	0.10	0.043	26
REP 1225066	QC	0.8	21.8	12.5	48	<0.1	16.5	6.4	179	2.16	7.5	2.4	5.1	10	<0.1	1.2	0.3	22	0.09	0.045	25
1225099	Soil	0.6	25.2	18.5	48	<0.1	30.8	9.6	268	2.93	7.4	0.7	7.1	6	<0.1	0.7	0.2	37	0.04	0.019	20
REP 1225099	QC	0.5	24.9	18.1	49	<0.1	30.9	9.3	259	2.92	6.9	0.9	7.1	6	<0.1	0.7	0.2	36	0.04	0.019	20
1225116	Soil	0.5	21.0	11.8	43	<0.1	16.2	7.0	215	1.97	7.2	1.9	5.3	7	<0.1	3.4	0.2	26	0.04	0.024	21
REP 1225116	QC	0.6	21.1	11.8	43	<0.1	16.1	7.0	211	1.97	7.0	2.3	5.4	7	<0.1	3.4	0.2	25	0.04	0.023	21
1225134	Soil	0.5	13.8	7.7	34	<0.1	12.1	3.9	108	1.42	6.5	<0.5	2.9	6	<0.1	1.7	0.1	19	0.06	0.026	13
REP 1225134	QC	0.4	13.5	7.8	35	<0.1	11.7	3.9	110	1.42	6.6	1.3	3.0	6	<0.1	1.7	0.1	19	0.06	0.026	13
1225137	Soil	0.9	23.1	12.9	53	0.1	18.6	7.3	216	2.45	11.8	3.4	5.8	8	<0.1	3.9	0.2	37	0.05	0.018	15
REP 1225137	QC	1.0	23.6	13.7	55	0.1	18.8	7.5	221	2.51	12.6	1.9	6.2	8	<0.1	4.0	0.2	39	0.06	0.018	16
1225214	Soil	1.0	26.7	15.9	52	<0.1	21.4	9.6	261	2.71	8.3	4.1	7.9	6	<0.1	0.9	0.2	33	0.03	0.023	24
REP 1225214	QC	0.8	26.6	15.5	53	<0.1	20.9	9.6	256	2.70	8.4	2.3	7.8	6	<0.1	0.9	0.2	33	0.03	0.023	24
1225235	Soil	0.6	26.6	16.8	69	<0.1	27.8	11.0	346	2.73	9.8	2.1	9.8	21	<0.1	0.6	0.3	26	0.19	0.046	33
REP 1225235	QC	0.6	27.1	17.0	69	<0.1	28.9	11.2	333	2.82	9.7	1.9	9.8	21	<0.1	0.7	0.3	24	0.19	0.048	34
1225241	Soil	0.8	34.2	15.7	46	0.1	26.0	9.7	331	2.40	9.3	2.2	4.8	33	0.1	1.8	0.2	30	0.41	0.051	21
REP 1225241	QC	0.8	32.9	15.7	47	0.1	26.3	9.3	324	2.28	9.3	3.0	4.9	33	0.1	1.8	0.3	29	0.41	0.050	20
1225271	Soil	1.0	38.9	20.5	65	<0.1	34.4	14.5	311	3.19	9.1	7.0	10.1	12	<0.1	0.7	0.4	56	0.06	0.020	34
REP 1225271	QC	0.9	39.0	20.5	64	<0.1	33.5	14.8	303	3.09	9.1	48.0	9.8	11	0.1	0.7	0.4	55	0.06	0.018	33
1225285	Soil	1.0	37.5	23.1	70	<0.1	19.3	8.4	233	3.72	10.0	1.7	14.6	9	<0.1	0.8	0.4	38	0.04	0.024	39
REP 1225285	QC	0.9	39.3	23.6	72	<0.1	19.2	8.4	226	3.63	10.1	7.9	14.6	9	<0.1	0.8	0.4	36	0.03	0.025	38
1225300	Soil	0.9	19.8	10.8	51	<0.1	16.9	6.9	178	2.26	7.2	1.9	4.4	9	0.2	0.8	0.2	28	0.08	0.031	20
REP 1225300	QC	0.9	20.9	10.9	52	<0.1	17.3	7.0	172	2.28	7.1	2.5	4.5	10	0.1	0.8	0.2	28	0.08	0.031	22
1225317	Soil	0.7	35.0	23.2	65	<0.1	14.7	5.5	182	3.43	5.6	1.0	17.1	6	<0.1	0.3	0.4	17	0.02	0.023	57
REP 1225317	QC	0.8	36.1	24.5	66	<0.1	15.3	5.9	188	3.61	5.9	2.6	17.6	7	<0.1	0.3	0.4	18	0.02	0.025	59

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QUALITY CONTROL REPORT WHI11001418.1

	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																	
1224947	Soil	19	0.37	261	0.004	1	1.16	0.004	0.03	0.1	0.07	1.7	<0.1	0.07	3	<0.5	<0.2
REP 1224947	QC	19	0.38	265	0.005	1	1.17	0.004	0.03	0.1	0.06	1.8	<0.1	0.07	4	0.8	<0.2
1225063	Soil	21	0.38	150	0.024	<1	0.98	0.009	0.06	0.2	0.07	2.3	<0.1	<0.05	3	0.5	<0.2
REP 1225063	QC	21	0.37	154	0.023	<1	0.94	0.006	0.06	0.2	0.07	2.2	<0.1	<0.05	3	<0.5	<0.2
1225066	Soil	15	0.30	93	0.015	<1	0.80	0.005	0.03	0.2	0.05	1.6	<0.1	<0.05	2	<0.5	<0.2
REP 1225066	QC	15	0.30	92	0.015	<1	0.79	0.004	0.03	0.2	0.07	1.6	<0.1	<0.05	2	0.6	<0.2
1225099	Soil	50	0.55	94	0.025	<1	1.58	0.003	0.08	<0.1	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
REP 1225099	QC	49	0.56	95	0.026	<1	1.58	0.003	0.09	<0.1	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
1225116	Soil	19	0.22	86	0.025	1	0.81	0.004	0.06	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 1225116	QC	19	0.23	90	0.025	<1	0.82	0.004	0.07	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1225134	Soil	13	0.22	67	0.015	<1	0.71	0.002	0.03	0.2	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
REP 1225134	QC	12	0.22	68	0.017	<1	0.70	0.003	0.03	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1225137	Soil	23	0.34	133	0.026	<1	1.31	0.007	0.06	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
REP 1225137	QC	24	0.35	140	0.027	1	1.35	0.004	0.06	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1225214	Soil	26	0.30	98	0.014	<1	1.20	0.004	0.06	0.1	0.04	2.8	0.2	<0.05	3	<0.5	<0.2
REP 1225214	QC	26	0.29	98	0.017	<1	1.17	0.005	0.06	0.1	0.06	2.7	0.1	<0.05	3	<0.5	<0.2
1225235	Soil	20	0.28	126	0.008	1	0.79	0.004	0.07	0.1	0.04	3.0	0.1	<0.05	3	<0.5	<0.2
REP 1225235	QC	20	0.28	126	0.008	1	0.83	0.004	0.07	0.1	0.05	2.8	0.1	<0.05	3	<0.5	<0.2
1225241	Soil	21	0.30	272	0.012	<1	1.08	0.005	0.05	0.2	0.05	2.8	<0.1	<0.05	3	<0.5	<0.2
REP 1225241	QC	20	0.30	264	0.012	<1	1.08	0.005	0.06	0.2	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
1225271	Soil	53	0.65	213	0.032	1	1.78	0.007	0.06	0.2	0.05	4.5	0.1	<0.05	4	<0.5	0.2
REP 1225271	QC	50	0.62	207	0.032	<1	1.71	0.008	0.05	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
1225285	Soil	27	0.51	127	0.023	<1	1.85	0.005	0.04	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
REP 1225285	QC	27	0.52	125	0.022	<1	1.85	0.005	0.03	0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
1225300	Soil	19	0.35	217	0.012	<1	1.09	0.005	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1225300	QC	18	0.36	229	0.013	<1	1.13	0.006	0.04	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1225317	Soil	20	0.58	58	0.004	<1	1.52	0.004	0.03	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1225317	QC	21	0.62	61	0.005	<1	1.62	0.004	0.03	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2

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		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
1225338	Soil	0.5	22.8	25.6	69	0.2	19.4	8.2	757	1.99	18.9	3.3	4.7	37	0.3	4.3	0.5	17	0.60	0.059	20
REP 1225338	QC	0.5	22.9	24.9	69	0.2	20.0	8.7	779	2.00	18.8	5.0	4.5	38	0.3	4.4	0.5	18	0.60	0.058	19
1225354	Soil	0.6	27.2	20.4	62	0.2	19.6	8.4	319	2.18	25.5	2.9	6.1	25	0.2	4.0	0.3	17	0.42	0.057	20
REP 1225354	QC	0.7	27.5	20.8	66	0.2	21.1	8.5	317	2.19	25.9	20.9	6.5	26	0.2	4.1	0.3	18	0.41	0.056	21
1225367	Soil	0.8	24.8	11.2	50	<0.1	29.0	9.3	213	2.41	9.3	4.6	5.3	9	<0.1	0.6	0.2	52	0.07	0.019	17
REP 1225367	QC	0.7	25.1	11.3	49	<0.1	29.5	9.5	213	2.42	9.0	11.3	5.3	9	<0.1	0.6	0.2	52	0.07	0.019	17
1225382	Soil	0.8	18.4	14.3	46	<0.1	16.0	6.1	146	2.16	9.4	1.3	7.4	8	<0.1	0.8	0.2	36	0.05	0.015	26
REP 1225382	QC	0.9	18.7	14.4	45	<0.1	15.6	6.0	147	2.19	10.1	1.4	7.6	8	<0.1	0.9	0.2	38	0.06	0.016	27
Reference Materials																					
STD DS8	Standard	11.6	103.4	115.6	285	1.6	34.8	7.0	537	2.21	22.5	103.4	6.0	58	2.2	4.9	6.0	38	0.61	0.076	12
STD DS8	Standard	12.8	102.8	120.0	298	1.7	35.2	7.3	581	2.34	22.8	103.9	6.3	62	2.2	5.3	5.7	41	0.65	0.076	15
STD DS8	Standard	12.4	107.0	124.2	310	1.8	37.6	7.4	598	2.44	23.9	119.2	6.3	64	2.4	5.9	6.4	42	0.66	0.078	13
STD DS8	Standard	12.9	105.1	126.1	299	1.8	35.8	7.3	576	2.32	23.9	108.7	6.8	65	2.1	5.5	6.3	40	0.66	0.076	15
STD DS8	Standard	13.5	115.7	121.1	323	1.8	38.6	7.6	609	2.54	26.0	114.6	6.8	68	2.4	5.8	6.5	44	0.72	0.085	16
STD DS8	Standard	13.8	114.7	126.5	312	1.9	39.3	7.9	614	2.45	24.7	113.0	7.1	69	2.3	5.9	6.9	44	0.69	0.078	16
STD DS8	Standard	12.1	112.3	129.8	308	1.8	39.0	7.4	619	2.53	25.1	112.6	6.3	68	2.4	5.8	7.0	41	0.64	0.079	12
STD DS8	Standard	13.5	107.8	128.6	305	1.9	38.2	7.6	606	2.47	24.9	115.4	7.6	73	2.2	6.1	7.4	42	0.68	0.076	15
STD DS8	Standard	12.5	118.0	130.6	314	1.9	38.6	7.6	624	2.57	25.5	121.4	6.9	63	2.1	4.8	6.1	41	0.67	0.082	14
STD DS8	Standard	12.3	100.0	123.1	293	1.7	34.5	6.9	590	2.37	24.1	108.5	6.8	75	2.2	5.8	7.0	39	0.65	0.077	15
STD DS8	Standard	11.7	98.5	117.4	280	1.7	33.8	6.9	539	2.15	21.9	108.6	6.5	56	2.3	4.9	5.7	37	0.60	0.069	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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

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

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

QUALITY CONTROL REPORT WHI11001418.1

		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
1225338	Soil	16	0.31	220	0.007	2	0.81	0.004	0.06	0.2	0.09	1.5	<0.1	0.07	2	<0.5	<0.2
REP 1225338	QC	16	0.31	215	0.008	2	0.84	0.004	0.06	0.2	0.08	1.5	<0.1	0.06	2	<0.5	<0.2
1225354	Soil	14	0.29	119	0.010	1	0.72	0.004	0.07	0.4	0.04	1.5	<0.1	<0.05	2	<0.5	<0.2
REP 1225354	QC	14	0.29	117	0.013	1	0.75	0.005	0.07	0.4	0.05	1.6	<0.1	<0.05	2	<0.5	<0.2
1225367	Soil	65	0.50	138	0.053	2	1.39	0.005	0.05	0.1	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
REP 1225367	QC	64	0.50	137	0.054	<1	1.41	0.005	0.04	0.2	0.03	3.6	<0.1	<0.05	4	0.5	<0.2
1225382	Soil	21	0.30	126	0.032	1	1.21	0.004	0.04	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
REP 1225382	QC	21	0.29	128	0.032	<1	1.25	0.005	0.04	0.2	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	105	0.55	243	0.103	2	0.80	0.086	0.37	2.7	0.16	2.1	4.7	0.14	4	4.9	4.6
STD DS8	Standard	115	0.55	262	0.111	2	0.84	0.084	0.39	2.9	0.17	2.3	5.3	0.14	4	4.7	4.9
STD DS8	Standard	111	0.59	263	0.108	2	0.89	0.096	0.42	2.8	0.21	2.7	5.3	0.14	5	4.8	4.9
STD DS8	Standard	110	0.58	262	0.115	2	0.88	0.095	0.41	3.1	0.17	2.4	5.2	0.15	5	4.8	4.7
STD DS8	Standard	119	0.62	284	0.126	3	0.95	0.100	0.45	3.1	0.21	2.9	5.3	0.18	5	4.8	5.0
STD DS8	Standard	122	0.61	282	0.123	3	0.93	0.098	0.41	2.9	0.20	2.5	5.5	0.13	5	5.3	5.4
STD DS8	Standard	118	0.59	255	0.113	3	0.87	0.094	0.41	3.0	0.20	2.6	5.6	0.18	5	4.7	5.0
STD DS8	Standard	122	0.62	278	0.132	3	0.93	0.098	0.42	3.0	0.19	2.3	5.5	0.16	5	4.5	4.5
STD DS8	Standard	119	0.64	289	0.112	2	0.87	0.085	0.41	3.0	0.20	2.3	5.6	0.12	5	5.3	4.8
STD DS8	Standard	109	0.60	283	0.119	3	0.93	0.102	0.44	2.9	0.19	2.9	5.4	0.14	5	5.1	4.7
STD DS8	Standard	104	0.58	242	0.104	2	0.80	0.076	0.38	2.7	0.19	1.8	5.0	0.14	4	3.8	4.5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Toronto ON M5X 1C9 Canada

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

QUALITY CONTROL REPORT WHI11001418.1

		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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		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: September 09, 2011
Report Date: November 11, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001419.1

CLIENT JOB INFORMATION

Project: MQ+SEA
Shipment ID:
P.O. Number
Number of Samples: 321

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	321	Dry at 60C			WHI
SS80	321	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	321	Saving all or part of Soil Reject			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Don Christie
Daithi Mac Gearailt

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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: MQ+SEA
Report Date: November 11, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1225399	Soil		0.3	25.0	15.9	59	0.1	25.3	7.6	247	2.62	6.3	1.1	16.5	15	<0.1	2.0	0.3	11	0.29	0.052	59
1225400	Soil		0.6	43.6	12.6	77	<0.1	40.3	18.5	852	3.43	2.8	1.0	23.5	14	<0.1	2.9	0.4	17	0.15	0.026	55
1225491	Soil		1.4	57.7	29.5	99	<0.1	53.0	18.2	265	4.64	10.1	5.1	11.4	22	0.1	2.5	0.3	15	0.02	0.054	35
1225492	Soil		1.0	28.3	19.8	56	<0.1	19.6	9.0	189	2.74	8.5	1.9	12.8	6	0.1	0.7	0.2	28	0.03	0.019	40
1225493	Soil		1.0	21.4	18.8	52	<0.1	19.9	10.0	256	2.59	9.5	4.2	9.6	6	<0.1	0.8	0.2	29	0.03	0.023	32
1225494	Soil		0.8	19.7	12.9	44	<0.1	15.3	6.8	143	2.26	7.9	2.2	6.3	6	<0.1	1.0	0.2	19	0.02	0.024	37
1225495	Soil		0.7	34.0	17.5	67	<0.1	27.4	11.2	259	3.20	6.8	1.4	13.1	10	<0.1	1.5	0.3	18	0.04	0.021	46
1225496	Soil		1.0	15.2	12.5	44	<0.1	14.6	6.1	173	2.34	11.1	28.3	5.5	6	<0.1	1.2	0.2	33	0.04	0.026	21
1225497	Soil		0.8	23.3	17.7	70	<0.1	24.4	12.6	582	2.63	12.1	13.7	6.4	9	0.1	0.9	0.2	26	0.07	0.038	27
1225498	Soil		0.6	22.9	13.1	56	<0.1	18.6	7.4	232	2.23	10.5	3.0	7.9	8	<0.1	0.9	0.2	21	0.06	0.031	31
1225499	Soil		0.8	18.6	15.1	43	<0.1	14.6	6.0	174	2.24	9.7	89.2	7.9	8	<0.1	1.0	0.2	26	0.05	0.020	28
1225500	Soil		0.8	25.7	17.2	58	<0.1	19.2	8.5	212	2.69	10.1	<0.5	12.2	8	<0.1	1.7	0.2	24	0.04	0.020	41
1225501	Soil		0.6	20.1	13.7	51	<0.1	15.0	6.2	207	2.32	8.0	2.0	6.2	10	<0.1	0.4	0.2	27	0.09	0.025	28
1225502	Soil		0.5	27.1	14.7	64	<0.1	26.7	10.6	289	2.87	9.2	1.3	9.0	7	0.1	0.7	0.2	24	0.04	0.023	38
1225503	Soil		0.6	26.9	16.4	53	<0.1	22.5	9.2	231	2.63	9.7	1.2	5.7	10	<0.1	1.1	0.2	23	0.08	0.036	36
1225504	Soil		0.5	27.2	17.5	46	0.1	36.4	10.3	493	2.50	7.4	3.3	10.2	26	0.2	0.9	0.2	11	0.34	0.052	43
1225505	Soil		0.6	19.6	15.7	50	<0.1	19.5	7.7	225	2.56	8.3	<0.5	10.2	10	<0.1	1.0	0.2	21	0.11	0.031	42
1225506	Soil		0.5	24.1	14.0	57	0.1	25.1	9.4	227	2.82	10.4	105.3	5.2	13	<0.1	1.0	0.2	24	0.13	0.049	36
1225507	Soil		0.5	28.5	29.1	78	0.6	29.6	12.3	377	2.91	23.7	3.6	16.5	15	0.2	1.4	0.2	14	0.28	0.051	48
1225508	Soil		0.7	22.0	13.9	51	0.1	22.2	8.1	245	2.35	9.3	10.4	8.5	15	<0.1	0.9	0.2	23	0.20	0.038	31
1225509	Soil		0.5	25.2	16.7	66	0.1	25.0	9.9	348	2.55	12.3	1.6	10.9	13	0.1	0.8	0.2	23	0.19	0.046	31
1225510	Soil		0.8	20.0	19.1	54	0.1	19.7	9.9	414	2.38	9.8	22.4	6.5	21	0.1	0.8	0.2	24	0.29	0.054	25
1225511	Soil		0.7	22.9	16.8	57	0.1	22.1	9.0	305	2.46	12.1	1.8	8.4	12	0.1	0.7	0.2	24	0.16	0.037	30
1225512	Soil		0.6	22.4	16.5	55	0.1	20.6	7.9	256	2.48	10.3	<0.5	9.4	13	0.1	0.6	0.2	21	0.18	0.041	33
1225513	Soil		0.7	24.9	18.0	59	0.3	25.7	15.0	697	2.52	11.8	2.0	5.5	44	0.1	0.5	0.2	21	0.66	0.055	27
1225514	Soil		0.7	21.4	16.3	52	0.2	22.2	10.0	576	2.28	11.4	55.6	6.1	28	0.1	0.6	0.2	23	0.40	0.051	27
1225515	Soil		0.6	22.9	13.8	58	0.3	23.8	9.1	436	2.15	10.1	147.9	5.9	26	0.2	0.6	0.2	24	0.34	0.060	25
1225516	Soil		0.8	14.7	10.0	44	<0.1	17.7	7.4	459	1.83	11.0	2.1	3.9	18	0.1	0.7	0.2	22	0.25	0.045	14
1225517	Soil		0.6	18.4	9.6	51	0.1	17.7	6.6	195	1.65	11.8	32.4	4.1	19	0.1	0.7	0.1	20	0.30	0.056	13
1225518	Soil		0.6	15.5	11.4	44	<0.1	16.1	6.2	226	1.94	11.2	2.7	5.8	19	<0.1	0.9	0.2	22	0.25	0.044	19

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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
1225399	Soil	10	0.08	171	0.002	<1	0.50	0.003	0.04	<0.1	0.03	2.4	<0.1	<0.05	2	<0.5	<0.2
1225400	Soil	14	0.50	80	0.013	<1	1.14	0.003	0.04	<0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1225491	Soil	11	0.12	74	0.008	<1	0.78	0.003	0.05	<0.1	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1225492	Soil	18	0.33	95	0.017	1	1.21	0.007	0.07	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
1225493	Soil	17	0.29	119	0.020	<1	1.05	0.004	0.05	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1225494	Soil	11	0.14	69	0.007	<1	0.66	0.003	0.04	0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1225495	Soil	13	0.19	135	0.008	<1	0.65	0.005	0.05	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
1225496	Soil	18	0.28	98	0.021	<1	0.97	0.004	0.04	0.2	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1225497	Soil	16	0.28	87	0.013	<1	0.83	0.004	0.04	0.4	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1225498	Soil	15	0.30	107	0.014	<1	0.86	0.004	0.04	0.2	0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
1225499	Soil	15	0.29	104	0.012	<1	0.94	0.004	0.04	0.2	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1225500	Soil	17	0.45	151	0.014	<1	1.21	0.005	0.06	0.3	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
1225501	Soil	18	0.42	156	0.017	<1	1.10	0.005	0.04	0.2	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1225502	Soil	18	0.35	152	0.016	<1	0.96	0.005	0.03	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1225503	Soil	16	0.33	141	0.008	<1	0.95	0.003	0.04	0.3	0.02	1.6	<0.1	<0.05	3	1.0	<0.2
1225504	Soil	12	0.22	302	0.002	<1	0.64	0.005	0.05	<0.1	0.03	1.7	<0.1	<0.05	2	0.6	<0.2
1225505	Soil	17	0.34	144	0.005	<1	1.00	0.005	0.05	0.2	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1225506	Soil	19	0.31	180	0.006	<1	0.90	0.004	0.04	0.2	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1225507	Soil	14	0.37	149	0.005	<1	0.98	0.005	0.07	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
1225508	Soil	17	0.34	208	0.009	<1	0.98	0.005	0.04	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225509	Soil	16	0.40	165	0.017	<1	1.00	0.005	0.06	0.3	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225510	Soil	18	0.44	153	0.010	<1	0.96	0.005	0.04	0.3	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1225511	Soil	17	0.35	200	0.011	1	1.04	0.006	0.05	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225512	Soil	16	0.36	190	0.008	<1	1.07	0.007	0.06	0.2	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1225513	Soil	16	0.35	382	0.005	<1	1.14	0.006	0.06	0.3	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1225514	Soil	16	0.30	341	0.006	<1	1.08	0.005	0.06	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1225515	Soil	16	0.31	296	0.011	1	0.96	0.005	0.04	0.7	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1225516	Soil	13	0.28	174	0.013	<1	0.72	0.004	0.03	0.3	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1225517	Soil	12	0.27	152	0.016	<1	0.61	0.005	0.03	0.2	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1225518	Soil	14	0.29	151	0.018	<1	0.70	0.004	0.04	0.4	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1225519	Soil	0.6	15.9	10.3	48	0.1	17.8	7.7	322	1.88	12.8	3.8	3.9	23	0.2	0.7	0.2	24	0.32	0.053	15
1225520	Soil	0.7	27.1	15.3	55	0.1	24.6	9.7	360	2.49	17.6	1.5	8.9	18	<0.1	1.2	0.2	18	0.23	0.041	26
1225521	Soil	0.4	21.4	11.1	38	0.1	18.6	6.4	232	1.76	9.5	1.1	3.3	71	0.2	0.8	0.2	19	1.09	0.043	15
1225522	Soil	0.4	24.2	13.9	54	0.2	21.8	9.1	437	2.04	10.7	1.6	4.6	56	0.3	0.6	0.2	21	0.76	0.043	18
1225523	Soil	0.4	20.6	17.0	52	0.1	19.9	7.9	355	2.14	11.2	0.8	6.4	53	0.1	0.5	0.2	19	0.80	0.035	20
1225524	Soil	0.4	17.0	13.1	41	0.1	16.4	6.9	354	1.86	9.4	0.6	3.8	59	0.2	0.6	0.1	19	0.93	0.038	15
1225525	Soil	0.5	21.6	14.1	45	0.1	20.3	7.5	201	1.99	10.9	4.2	3.9	60	0.2	0.7	0.2	19	0.88	0.045	16
1225526	Soil	0.5	15.0	13.8	46	<0.1	17.6	8.4	316	2.06	17.0	1.2	5.7	30	<0.1	0.7	0.2	20	0.44	0.027	18
1225527	Soil	0.6	28.2	20.1	64	0.2	29.1	11.6	949	2.66	17.9	16.7	7.2	54	0.2	0.8	0.3	18	0.79	0.050	18
1225528	Soil	0.5	20.5	14.5	58	<0.1	21.8	9.4	380	2.26	12.8	1.1	6.3	40	0.2	0.7	0.2	18	0.64	0.051	16
1225529	Soil	0.5	24.2	14.9	49	0.1	21.0	8.4	322	2.19	10.7	2.9	4.8	72	0.2	0.6	0.2	18	1.08	0.051	15
1225530	Soil	0.6	21.1	14.4	55	<0.1	20.5	9.0	343	2.22	12.3	6.8	5.5	49	0.1	0.7	0.2	19	0.69	0.052	17
1225531	Soil	0.6	19.8	14.3	50	0.1	19.3	8.9	299	2.19	11.7	2.2	5.6	45	0.1	0.6	0.2	19	0.69	0.035	17
1225532	Soil	0.8	27.0	15.1	60	0.1	22.0	11.2	615	2.54	14.0	13.9	5.7	23	0.1	1.1	0.3	29	0.31	0.032	15
1225533	Soil	0.6	30.5	21.0	58	0.3	27.9	12.3	456	2.93	14.0	2.1	8.0	27	0.1	2.1	0.3	20	0.44	0.035	19
1225534	Soil	0.7	30.8	16.9	57	0.2	25.7	10.3	416	2.67	15.7	3.8	5.7	46	0.1	1.5	0.3	24	0.78	0.046	16
1225535	Soil	0.9	32.1	28.2	73	0.2	27.9	12.1	594	3.03	24.3	54.5	8.6	20	0.3	4.2	0.4	25	0.48	0.033	26
1225536	Soil	0.6	28.3	21.5	59	0.1	24.6	10.4	237	2.52	21.9	4.7	8.5	10	0.1	3.3	0.3	21	0.15	0.015	26
1225537	Soil	0.9	38.3	34.4	84	0.2	33.4	14.1	491	3.12	31.5	5.1	11.7	23	0.2	6.2	0.5	27	0.33	0.050	33
1225538	Soil	0.7	18.5	17.2	54	<0.1	19.3	7.8	209	2.34	20.4	2.0	7.5	9	0.1	2.8	0.3	22	0.09	0.019	25
1225539	Soil	0.7	21.6	18.3	58	<0.1	20.8	7.8	205	2.36	21.1	2.2	7.1	14	0.1	3.5	0.3	24	0.19	0.028	24
1225540	Soil	0.7	17.6	10.2	51	<0.1	18.8	7.9	230	1.96	13.2	1.7	4.0	12	<0.1	0.9	0.2	31	0.17	0.042	12
1225541	Soil	0.8	17.4	10.2	51	<0.1	19.6	7.4	243	1.98	12.8	13.9	4.0	15	<0.1	0.7	0.2	32	0.23	0.053	12
1225542	Soil	0.7	22.4	9.0	53	<0.1	20.2	6.9	217	1.85	11.3	1.5	3.6	14	0.1	0.8	0.2	29	0.20	0.049	12
1225551	Soil	1.2	26.5	16.9	60	<0.1	23.3	9.9	203	3.28	15.5	12.5	7.6	8	0.1	0.8	0.2	36	0.04	0.027	20
1225552	Soil	1.0	27.4	16.5	61	<0.1	18.8	8.6	222	2.94	10.8	6.9	8.6	8	<0.1	0.5	0.2	37	0.05	0.036	21
1225553	Soil	1.0	36.1	19.3	73	<0.1	19.4	9.4	209	3.64	8.1	2.2	10.5	8	<0.1	0.5	0.3	28	0.03	0.026	30
1225554	Soil	1.1	32.7	20.2	72	<0.1	21.8	11.1	269	3.45	9.2	1.5	11.8	9	<0.1	0.6	0.3	28	0.04	0.032	34
1225555	Soil	1.1	24.6	14.6	55	<0.1	16.0	6.5	133	2.99	7.6	1.6	9.7	6	<0.1	0.4	0.3	25	0.02	0.021	28
1225556	Soil	0.7	8.1	15.8	26	<0.1	7.4	2.7	83	2.04	8.5	0.8	1.4	8	<0.1	0.4	0.2	49	0.06	0.024	15

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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
1225519	Soil	14	0.30	181	0.016	<1	0.77	0.005	0.04	0.3	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1225520	Soil	14	0.31	159	0.010	<1	0.81	0.005	0.07	0.2	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1225521	Soil	13	0.25	225	0.011	1	0.79	0.006	0.04	0.3	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1225522	Soil	14	0.28	239	0.009	1	0.84	0.005	0.04	0.3	0.04	1.8	<0.1	<0.05	2	0.6	<0.2
1225523	Soil	12	0.25	182	0.007	1	0.73	0.005	0.06	0.2	0.02	1.9	<0.1	<0.05	2	0.5	<0.2
1225524	Soil	12	0.29	244	0.011	1	0.73	0.005	0.04	0.3	0.03	1.5	<0.1	<0.05	2	0.6	<0.2
1225525	Soil	13	0.29	227	0.009	2	0.74	0.004	0.04	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1225526	Soil	12	0.27	166	0.012	2	0.70	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1225527	Soil	15	0.37	180	0.008	2	0.91	0.005	0.05	0.3	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225528	Soil	14	0.36	142	0.013	2	0.77	0.003	0.05	0.3	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1225529	Soil	13	0.35	229	0.008	2	0.89	0.005	0.04	0.2	0.03	1.9	<0.1	<0.05	2	<0.5	<0.2
1225530	Soil	12	0.32	162	0.012	1	0.72	0.005	0.04	0.4	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1225531	Soil	13	0.30	189	0.012	2	0.81	0.005	0.05	0.4	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1225532	Soil	19	0.37	144	0.023	1	0.95	0.013	0.06	0.4	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1225533	Soil	18	0.39	123	0.014	2	0.98	0.011	0.06	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225534	Soil	18	0.44	173	0.013	2	1.07	0.006	0.06	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1225535	Soil	21	0.43	185	0.016	2	1.11	0.009	0.12	0.3	0.05	3.5	0.1	<0.05	3	<0.5	<0.2
1225536	Soil	20	0.31	97	0.012	2	1.02	0.006	0.09	0.3	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1225537	Soil	26	0.39	143	0.029	3	1.20	0.012	0.16	0.3	0.08	3.7	0.1	<0.05	4	<0.5	<0.2
1225538	Soil	19	0.27	123	0.013	1	0.97	0.010	0.08	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1225539	Soil	19	0.30	137	0.017	1	0.94	0.006	0.09	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1225540	Soil	18	0.33	184	0.029	1	0.89	0.005	0.04	0.4	0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
1225541	Soil	19	0.31	245	0.026	1	0.93	0.006	0.04	0.2	0.02	2.8	<0.1	<0.05	2	<0.5	<0.2
1225542	Soil	17	0.30	232	0.030	1	0.80	0.005	0.04	0.2	0.02	2.4	<0.1	<0.05	2	<0.5	<0.2
1225551	Soil	21	0.30	63	0.033	1	1.16	0.004	0.05	0.3	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1225552	Soil	25	0.42	121	0.024	<1	1.50	0.010	0.05	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1225553	Soil	24	0.54	110	0.020	2	1.54	0.014	0.10	0.2	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
1225554	Soil	22	0.47	123	0.020	1	1.37	0.013	0.07	0.2	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
1225555	Soil	19	0.38	66	0.013	<1	1.27	0.005	0.06	0.2	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1225556	Soil	20	0.18	100	0.034	<1	1.19	0.004	0.03	0.2	0.03	2.0	0.1	<0.05	6	<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
1225557	Soil	0.8	21.0	15.5	54	<0.1	17.8	7.4	182	2.53	11.3	26.0	7.4	9	<0.1	0.6	0.2	37	0.06	0.027	23
1225558	Soil	0.8	25.1	15.6	61	<0.1	23.8	10.6	309	2.92	13.6	4.5	6.5	9	0.1	0.8	0.2	41	0.08	0.039	16
1225559	Soil	1.1	32.9	17.1	71	<0.1	28.2	12.2	312	2.95	12.2	3.2	8.5	13	<0.1	0.8	0.3	26	0.13	0.035	28
1225560	Soil	1.3	27.7	20.9	45	0.1	16.1	5.9	131	2.60	9.2	1.9	1.5	8	<0.1	0.4	0.3	29	0.05	0.062	26
1225561	Soil	1.0	41.0	19.1	80	0.1	38.9	16.9	393	3.39	8.9	2.6	8.9	16	<0.1	0.7	0.3	27	0.12	0.036	27
1225562	Soil	2.0	39.1	22.3	79	0.1	33.6	15.8	379	3.43	9.3	7.3	13.3	13	0.1	0.8	0.3	21	0.12	0.046	44
1225563	Soil	0.9	26.6	16.2	51	<0.1	16.9	8.7	272	2.55	6.9	1.8	5.7	9	<0.1	0.8	0.3	21	0.05	0.029	28
1225564	Soil	0.8	29.1	15.8	62	<0.1	24.2	9.0	238	2.74	8.1	2.3	7.0	11	<0.1	1.5	0.3	23	0.08	0.029	28
1225565	Soil	1.3	37.0	18.2	78	<0.1	27.0	11.5	302	3.54	9.8	6.0	12.4	9	<0.1	0.9	0.3	24	0.05	0.028	40
1225566	Soil	1.0	21.1	14.8	52	<0.1	13.9	5.7	165	2.39	9.7	10.1	3.5	8	<0.1	0.6	0.2	49	0.06	0.038	16
1225567	Soil	1.2	35.2	22.0	71	<0.1	28.9	12.9	231	3.15	8.5	1.3	12.6	8	<0.1	0.7	0.3	25	0.04	0.029	50
1225568	Soil	0.9	24.7	15.8	58	<0.1	21.4	11.0	223	2.60	6.9	1.5	12.3	13	<0.1	0.6	0.2	23	0.12	0.029	48
1225569	Soil	0.7	21.8	14.5	46	<0.1	13.5	5.9	130	2.22	6.6	1.3	9.2	6	<0.1	0.5	0.2	17	0.05	0.025	40
1225570	Soil	0.7	23.8	14.8	47	<0.1	17.4	6.1	165	2.57	11.0	2.5	10.2	8	<0.1	0.7	0.2	28	0.05	0.032	43
1225571	Soil	0.8	24.1	17.0	65	<0.1	29.9	12.9	226	2.94	13.9	3.4	15.5	5	0.1	0.6	0.1	25	0.03	0.019	29
1225572	Soil	0.4	26.2	14.8	53	<0.1	18.1	8.1	221	2.63	7.9	4.7	12.1	7	<0.1	0.4	0.3	16	0.02	0.028	54
1225573	Soil	0.5	21.6	17.7	48	<0.1	14.3	6.4	194	2.98	8.1	<0.5	12.9	7	<0.1	0.6	0.3	21	0.02	0.036	56
1225574	Soil	0.4	35.7	21.6	75	0.1	35.2	16.5	454	3.18	12.8	2.4	19.7	14	0.1	3.3	0.3	12	0.10	0.037	68
1225575	Soil	0.6	28.0	16.7	60	<0.1	22.4	8.9	338	2.92	7.8	1.4	7.9	14	<0.1	0.6	0.3	24	0.11	0.041	43
1225576	Soil	0.5	24.1	13.8	45	<0.1	15.2	7.6	197	2.83	7.8	<0.5	10.9	8	<0.1	0.5	0.2	22	0.03	0.033	48
1225577	Soil	0.5	32.8	21.1	74	<0.1	27.8	13.0	334	3.28	10.2	1.3	13.0	9	<0.1	0.7	0.3	23	0.03	0.035	55
1225578	Soil	0.7	29.6	15.2	74	0.1	27.8	14.3	382	3.67	7.6	2.7	10.9	26	<0.1	0.8	0.2	49	0.19	0.049	40
1225579	Soil	0.7	39.0	24.3	90	0.2	41.0	16.3	583	3.73	15.5	2.9	18.3	19	0.2	1.1	0.3	21	0.18	0.051	48
1225580	Soil	0.7	35.4	19.4	77	0.1	35.7	14.3	442	3.21	14.5	3.4	14.8	19	0.2	1.3	0.3	19	0.18	0.052	43
1225581	Soil	0.7	26.2	23.0	52	<0.1	19.7	10.5	290	2.71	7.3	2.1	11.4	19	<0.1	0.5	0.3	19	0.11	0.032	57
1225582	Soil	0.6	28.8	17.6	58	<0.1	22.5	8.9	187	2.81	9.7	1.1	12.2	8	<0.1	0.7	0.3	19	0.03	0.026	51
1225583	Soil	0.7	21.6	16.3	45	<0.1	15.5	6.2	140	2.42	9.1	2.1	11.0	7	<0.1	0.6	0.2	25	0.03	0.027	41
1225584	Soil	0.6	30.7	17.0	52	<0.1	17.6	8.3	194	2.43	7.3	2.7	11.5	9	<0.1	0.5	0.3	17	0.02	0.027	53
1225585	Soil	0.8	21.8	11.4	63	<0.1	18.8	9.1	295	2.38	12.5	3.8	4.8	10	<0.1	0.8	0.2	36	0.08	0.047	18
1225586	Soil	0.8	24.0	9.1	57	<0.1	19.7	7.6	284	2.16	9.8	2.8	4.6	20	<0.1	0.9	0.2	40	0.21	0.054	18

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

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

CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1225557	Soil	22	0.31	125	0.030	1	1.17	0.006	0.05	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1225558	Soil	26	0.40	123	0.034	1	1.43	0.005	0.06	0.2	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
1225559	Soil	16	0.25	182	0.021	<1	0.79	0.009	0.06	0.2	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
1225560	Soil	17	0.24	106	0.010	1	1.13	0.005	0.05	0.2	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1225561	Soil	21	0.50	265	0.020	1	1.31	0.011	0.07	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1225562	Soil	16	0.29	153	0.012	1	0.92	0.009	0.08	0.1	0.02	3.2	<0.1	<0.05	3	<0.5	<0.2
1225563	Soil	14	0.22	112	0.012	<1	0.89	0.007	0.06	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1225564	Soil	17	0.34	189	0.012	<1	1.03	0.007	0.06	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1225565	Soil	21	0.49	147	0.028	2	1.44	0.016	0.11	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
1225566	Soil	26	0.32	123	0.030	<1	1.42	0.008	0.04	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1225567	Soil	16	0.26	115	0.013	<1	0.97	0.005	0.06	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1225568	Soil	14	0.35	134	0.014	<1	0.93	0.006	0.06	0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
1225569	Soil	12	0.29	86	0.013	<1	0.81	0.004	0.04	0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1225570	Soil	19	0.30	138	0.018	1	1.20	0.006	0.04	0.2	0.03	2.9	<0.1	<0.05	4	0.5	<0.2
1225571	Soil	20	0.32	106	0.016	<1	1.19	0.007	0.06	0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1225572	Soil	11	0.20	90	0.013	<1	0.72	0.007	0.07	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1225573	Soil	16	0.34	77	0.011	<1	1.13	0.011	0.04	<0.1	<0.01	1.8	<0.1	<0.05	4	0.6	<0.2
1225574	Soil	10	0.16	73	0.006	<1	0.50	0.009	0.06	<0.1	0.02	2.0	<0.1	<0.05	3	0.6	<0.2
1225575	Soil	15	0.36	181	0.013	<1	1.08	0.009	0.05	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1225576	Soil	14	0.18	102	0.013	<1	0.84	0.012	0.05	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1225577	Soil	20	0.40	127	0.015	<1	1.26	0.015	0.08	0.3	0.03	3.3	<0.1	<0.05	5	0.5	<0.2
1225578	Soil	19	0.41	190	0.019	<1	1.14	0.007	0.08	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
1225579	Soil	20	0.53	127	0.019	2	1.35	0.013	0.11	0.2	0.02	3.1	<0.1	<0.05	4	0.6	<0.2
1225580	Soil	19	0.44	146	0.016	1	1.02	0.008	0.09	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1225581	Soil	13	0.16	141	0.009	<1	0.80	0.006	0.07	0.1	0.01	1.9	<0.1	<0.05	4	0.7	<0.2
1225582	Soil	15	0.24	94	0.011	1	0.80	0.005	0.05	<0.1	0.01	1.7	<0.1	<0.05	3	0.5	<0.2
1225583	Soil	17	0.27	82	0.017	<1	1.05	0.006	0.05	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1225584	Soil	12	0.18	84	0.013	<1	0.72	0.004	0.05	0.1	0.04	2.2	<0.1	<0.05	3	0.5	<0.2
1225585	Soil	22	0.43	161	0.038	<1	1.33	0.010	0.06	0.2	0.03	4.1	<0.1	<0.05	4	0.9	<0.2
1225586	Soil	23	0.46	233	0.057	1	1.25	0.019	0.06	0.2	0.02	3.9	<0.1	<0.05	4	0.5	<0.2

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

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1225587	Soil	0.9	18.9	10.5	53	<0.1	16.5	7.0	243	2.15	10.4	4.8	2.7	15	<0.1	0.7	0.1	39	0.16	0.053	16
1225588	Soil	0.7	19.3	9.4	56	<0.1	18.1	7.3	248	1.98	10.3	3.5	3.8	13	0.2	0.8	0.1	30	0.15	0.056	17
1225589	Soil	0.7	19.5	8.6	56	<0.1	16.9	6.5	214	1.80	9.2	4.6	3.2	13	<0.1	0.8	<0.1	27	0.16	0.061	17
1225590	Soil	0.4	16.6	7.3	51	<0.1	14.4	5.2	185	1.48	6.3	2.2	3.0	15	<0.1	0.7	<0.1	21	0.19	0.063	16
1225591	Soil	0.6	20.9	8.7	53	0.1	18.6	7.5	277	2.08	11.2	5.9	3.0	15	<0.1	0.7	0.1	27	0.18	0.062	22
1225592	Soil	0.6	27.2	13.8	68	0.2	28.0	13.1	423	2.80	9.8	0.9	6.3	19	0.1	0.9	0.3	25	0.23	0.069	40
1225593	Soil	0.6	25.2	10.7	53	0.1	23.2	9.7	276	2.33	10.0	2.6	11.2	17	<0.1	0.7	0.2	20	0.21	0.051	41
1225594	Soil	0.5	29.2	13.3	64	<0.1	28.2	12.3	367	2.75	10.9	3.7	12.3	20	0.1	1.4	0.2	18	0.24	0.063	44
1225595	Soil	0.6	33.0	18.1	68	0.1	32.5	15.0	643	3.01	10.8	2.7	12.7	21	0.1	2.1	0.3	24	0.25	0.050	42
1225596	Soil	0.5	29.3	10.3	61	<0.1	26.7	10.7	363	2.58	6.1	3.6	14.2	17	<0.1	1.0	0.3	15	0.19	0.048	52
1225597	Soil	0.4	26.0	11.4	66	<0.1	30.9	13.1	360	3.29	8.2	<0.5	18.3	23	<0.1	0.6	0.3	14	0.18	0.059	54
1225598	Soil	0.5	33.9	20.2	44	<0.1	21.4	13.6	231	2.33	10.1	3.6	17.5	7	<0.1	1.4	0.3	9	0.06	0.016	50
1225599	Soil	0.7	22.5	18.0	46	0.2	24.6	7.4	208	2.35	23.9	3.1	9.2	10	<0.1	0.8	0.2	33	0.10	0.018	18
1225600	Soil	0.4	24.1	16.6	44	<0.1	12.7	5.2	100	2.28	9.7	<0.5	19.1	5	<0.1	0.9	0.3	9	0.04	0.020	58
1225601	Soil	0.6	24.7	41.8	61	0.3	23.0	8.6	311	2.71	72.2	4.6	12.4	17	<0.1	3.2	0.3	19	0.20	0.034	40
1225602	Soil	0.4	26.6	23.1	58	<0.1	25.1	9.8	266	2.25	21.4	1.8	15.7	14	<0.1	1.5	0.2	14	0.16	0.037	50
1225603	Soil	0.7	18.1	15.1	45	<0.1	16.1	6.6	206	2.06	12.4	2.6	7.1	11	<0.1	1.2	0.2	26	0.14	0.036	24
1225604	Soil	0.6	21.9	13.9	44	<0.1	15.8	6.2	170	2.26	11.6	<0.5	13.7	11	<0.1	1.7	0.3	19	0.03	0.022	50
1225605	Soil	0.7	27.8	12.1	65	<0.1	29.3	11.0	275	2.61	7.5	2.5	12.5	11	<0.1	0.8	0.2	30	0.03	0.025	45
1225606	Soil	0.7	17.5	8.5	54	<0.1	24.1	8.3	193	2.84	7.6	7.9	12.1	8	<0.1	0.7	0.3	29	0.03	0.022	41
1225607	Soil	0.7	24.1	15.9	61	<0.1	21.5	9.9	254	3.00	7.2	2.6	15.8	8	<0.1	0.5	0.3	26	0.07	0.037	44
1225608	Soil	0.6	24.8	20.6	53	<0.1	22.3	10.3	218	2.68	6.8	2.1	15.8	10	<0.1	1.0	0.3	21	0.08	0.052	51
1225609	Soil	0.6	26.5	18.2	54	<0.1	25.6	9.0	261	2.60	8.5	1.8	10.9	16	<0.1	1.0	0.3	24	0.23	0.033	38
1225610	Soil	0.6	17.8	17.6	47	<0.1	17.4	8.6	182	2.22	6.9	1.4	8.4	9	<0.1	0.5	0.2	29	0.07	0.026	32
1225611	Soil	0.8	26.8	16.0	62	0.2	27.3	11.7	322	2.44	19.6	4.3	9.1	12	<0.1	4.8	0.2	37	0.11	0.022	29
1225612	Soil	0.7	36.6	29.4	82	0.3	36.2	14.5	519	3.37	59.9	6.8	20.4	25	0.3	3.3	0.3	16	0.34	0.040	50
1225613	Soil	0.6	25.6	21.5	58	0.2	25.9	10.0	270	2.48	34.1	4.1	11.6	14	<0.1	2.7	0.3	24	0.16	0.033	39
1225614	Soil	0.6	21.4	16.0	46	<0.1	19.1	8.0	203	2.31	8.9	2.2	9.7	7	<0.1	0.7	0.2	33	0.06	0.013	29
1225615	Soil	0.8	23.9	13.3	53	<0.1	21.6	8.2	203	2.17	12.0	2.1	7.6	13	<0.1	0.8	0.2	41	0.11	0.020	25
1225616	Soil	0.9	37.4	21.8	49	<0.1	29.2	8.7	682	1.89	14.5	3.9	10.2	7	0.2	1.1	0.2	23	0.06	0.027	27

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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
1225587	Soil	22	0.43	195	0.038	<1	1.23	0.009	0.03	0.2	0.03	3.0	<0.1	<0.05	4	0.7	<0.2
1225588	Soil	18	0.38	135	0.035	<1	1.07	0.010	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1225589	Soil	17	0.38	169	0.030	<1	0.94	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1225590	Soil	14	0.35	134	0.028	<1	0.75	0.010	0.03	0.2	0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
1225591	Soil	18	0.42	248	0.023	<1	1.04	0.010	0.03	0.2	0.04	2.4	<0.1	<0.05	3	0.6	<0.2
1225592	Soil	18	0.30	262	0.012	<1	0.98	0.008	0.04	0.1	0.04	2.7	<0.1	<0.05	4	0.8	<0.2
1225593	Soil	15	0.26	177	0.013	<1	0.73	0.006	0.04	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1225594	Soil	14	0.25	112	0.017	<1	0.63	0.009	0.03	0.2	0.04	2.0	<0.1	<0.05	3	0.7	<0.2
1225595	Soil	16	0.23	208	0.022	<1	0.73	0.008	0.05	<0.1	0.05	3.1	<0.1	<0.05	3	0.9	<0.2
1225596	Soil	14	0.28	130	0.008	<1	0.74	0.007	0.05	<0.1	0.04	2.2	<0.1	<0.05	3	0.6	<0.2
1225597	Soil	15	0.29	80	0.009	<1	0.70	0.011	0.08	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1225598	Soil	10	0.12	108	0.002	<1	0.71	0.005	0.08	<0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1225599	Soil	19	0.38	154	0.025	<1	1.26	0.008	0.06	0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1225600	Soil	9	0.26	105	0.005	<1	0.80	0.004	0.07	<0.1	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1225601	Soil	13	0.25	224	0.014	<1	0.78	0.008	0.06	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1225602	Soil	15	0.31	176	0.010	<1	0.80	0.006	0.09	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1225603	Soil	18	0.37	161	0.019	<1	1.10	0.007	0.05	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1225604	Soil	12	0.22	126	0.013	<1	0.83	0.009	0.06	<0.1	0.02	2.1	<0.1	<0.05	3	0.5	<0.2
1225605	Soil	20	0.26	150	0.025	2	1.02	0.005	0.06	0.1	0.05	2.7	<0.1	0.06	3	<0.5	<0.2
1225606	Soil	21	0.42	127	0.021	2	1.27	0.010	0.05	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1225607	Soil	21	0.55	151	0.023	1	1.46	0.005	0.07	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1225608	Soil	14	0.25	163	0.011	1	0.96	0.004	0.06	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1225609	Soil	18	0.25	176	0.013	1	0.93	0.006	0.05	0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1225610	Soil	18	0.33	129	0.020	1	1.11	0.004	0.05	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1225611	Soil	23	0.33	246	0.029	2	1.15	0.005	0.06	0.2	0.04	4.1	0.1	<0.05	3	0.7	<0.2
1225612	Soil	13	0.31	129	0.007	2	0.81	0.008	0.07	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
1225613	Soil	17	0.23	196	0.009	1	0.96	0.005	0.07	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1225614	Soil	21	0.33	157	0.025	1	1.29	0.008	0.08	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1225615	Soil	24	0.38	220	0.037	2	1.34	0.006	0.05	0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
1225616	Soil	14	0.21	270	0.022	1	0.81	0.007	0.05	0.1	0.05	3.5	<0.1	<0.05	2	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001419.1

		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
1225617	Soil		0.6	27.4	16.9	57	<0.1	28.6	12.7	305	2.74	5.9	4.7	12.9	6	<0.1	0.3	0.3	26	0.03	0.015	39
1225618	Soil		0.6	45.6	19.0	62	<0.1	36.4	14.6	886	2.67	3.9	1.7	15.3	15	<0.1	0.3	0.3	27	0.09	0.030	47
1225619	Soil		1.0	25.5	15.1	61	<0.1	24.8	10.3	234	2.82	10.2	2.3	10.5	7	<0.1	0.7	0.2	43	0.05	0.016	33
1225620	Soil		0.6	28.0	15.0	62	<0.1	30.0	11.6	231	2.79	6.1	1.6	12.2	10	<0.1	0.5	0.2	33	0.08	0.023	38
1225621	Soil		1.0	11.8	14.3	50	<0.1	17.4	7.3	178	2.47	11.0	1.4	5.2	9	0.1	0.7	0.2	55	0.08	0.019	15
1225622	Soil		0.6	29.5	19.4	68	<0.1	27.0	12.1	385	2.83	5.9	1.3	11.9	14	<0.1	0.7	0.3	24	0.17	0.048	38
1225623	Soil		0.5	24.0	16.3	45	<0.1	19.3	8.2	186	2.18	5.4	2.6	10.0	9	<0.1	0.6	0.2	30	0.10	0.014	33
1225624	Soil		0.9	31.7	21.9	56	<0.1	26.0	12.3	289	2.84	10.5	2.3	11.9	7	<0.1	0.7	0.3	37	0.05	0.015	32
1225625	Soil		0.8	26.1	10.0	53	<0.1	21.4	7.7	272	1.94	11.6	3.0	4.8	17	<0.1	0.9	0.2	37	0.19	0.059	15
1225626	Soil		1.1	36.1	12.4	75	<0.1	25.6	9.3	350	2.06	19.7	2.7	6.3	16	0.2	1.4	0.2	26	0.23	0.073	20
1225627	Soil		0.6	18.0	19.1	45	<0.1	18.7	6.6	182	2.49	6.4	1.4	11.3	12	<0.1	0.6	0.2	20	0.12	0.021	36
1225628	Soil		0.6	32.2	19.2	62	<0.1	27.8	10.3	322	2.47	15.8	9.4	11.6	16	0.1	1.2	0.2	21	0.21	0.051	34
1225629	Soil		0.9	31.4	21.5	66	0.2	36.0	12.0	392	3.03	10.3	4.4	11.9	28	<0.1	2.3	0.3	21	0.46	0.061	36
1225630	Soil		0.6	38.1	31.1	83	<0.1	31.4	12.3	401	4.21	4.8	3.1	21.9	8	<0.1	0.4	0.5	21	0.04	0.021	57
1225631	Soil		1.2	22.3	17.2	48	<0.1	28.0	10.6	229	2.49	11.0	2.4	8.0	18	<0.1	0.8	0.2	42	0.21	0.019	19
1225632	Soil		0.5	19.5	19.0	47	0.2	21.7	8.9	189	2.29	12.6	2.7	7.4	17	<0.1	0.7	0.2	35	0.18	0.018	21
1225633	Soil		0.5	22.2	16.4	49	<0.1	21.3	7.6	263	2.54	6.8	1.5	11.1	18	<0.1	1.4	0.2	21	0.22	0.022	34
1225634	Soil		0.9	28.5	24.7	60	0.1	28.4	10.1	201	2.74	11.4	1.4	12.8	8	<0.1	0.7	0.3	27	0.08	0.014	36
1225635	Soil		1.1	15.2	19.1	65	0.3	21.0	7.2	265	2.18	14.1	1.1	4.0	22	0.3	0.6	0.2	43	0.30	0.031	13
1225636	Soil		0.6	23.3	21.7	57	0.1	23.0	9.6	266	2.55	10.4	2.7	12.0	23	<0.1	0.7	0.2	21	0.25	0.023	33
1225637	Soil		0.5	30.2	44.4	84	0.4	25.2	9.7	259	2.54	32.8	3.8	15.6	20	0.3	1.2	0.3	14	0.31	0.043	32
1225638	Soil		0.4	24.0	127.5	148	0.4	27.1	11.6	358	2.91	73.4	5.0	15.5	25	0.7	1.3	0.3	13	0.36	0.029	38
1225639	Soil		0.6	25.4	20.3	58	0.1	25.9	10.0	232	2.44	30.2	3.9	9.1	56	0.1	1.3	0.2	22	2.15	0.041	16
1225640	Soil		0.8	22.0	18.8	50	0.2	22.1	8.9	266	1.99	20.1	4.9	6.0	45	0.1	0.7	0.2	25	1.00	0.051	16
1225641	Soil		0.7	18.5	30.2	52	<0.1	21.1	9.5	300	2.52	34.5	3.1	7.3	25	<0.1	0.8	0.2	34	0.33	0.012	16
1225642	Soil		0.8	29.8	20.4	59	0.2	24.4	9.6	326	2.22	18.7	3.3	6.2	172	0.2	0.7	0.2	25	6.54	0.031	13
1225643	Soil		0.7	21.3	31.2	62	<0.1	23.1	8.4	212	2.71	63.2	2.3	9.8	16	0.1	0.5	0.2	23	0.25	0.013	22
1225644	Soil		0.8	22.2	20.1	54	<0.1	25.6	9.6	189	2.65	16.8	3.1	13.5	16	<0.1	0.4	0.2	18	0.24	0.040	31
1225645	Soil		0.7	12.8	14.4	44	0.4	18.7	9.4	648	2.12	12.3	3.6	3.0	12	0.1	0.5	0.2	33	0.14	0.033	12
1225646	Soil		0.8	32.1	31.7	77	0.4	28.0	10.2	398	2.77	19.7	6.4	6.5	44	1.0	0.8	0.2	29	0.65	0.035	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
1225617	Soil	24	0.47	86	0.030	1	1.17	0.005	0.04	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1225618	Soil	28	0.50	112	0.046	2	1.00	0.007	0.05	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1225619	Soil	28	0.44	158	0.029	2	1.70	0.008	0.05	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
1225620	Soil	24	0.51	141	0.022	<1	1.63	0.007	0.06	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1225621	Soil	28	0.35	172	0.045	<1	1.66	0.009	0.05	0.2	0.01	2.4	0.1	<0.05	5	<0.5	<0.2
1225622	Soil	21	0.59	205	0.013	<1	1.45	0.004	0.05	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1225623	Soil	19	0.36	190	0.015	1	1.23	0.012	0.04	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1225624	Soil	24	0.40	150	0.026	3	1.57	0.005	0.06	0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
1225625	Soil	21	0.34	213	0.043	1	0.98	0.007	0.05	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1225626	Soil	17	0.30	164	0.030	<1	0.80	0.005	0.04	0.3	0.05	2.5	<0.1	<0.05	2	<0.5	<0.2
1225627	Soil	16	0.28	165	0.008	1	1.02	0.003	0.07	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1225628	Soil	16	0.31	160	0.016	1	0.89	0.005	0.07	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1225629	Soil	20	0.35	169	0.008	2	1.00	0.005	0.06	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1225630	Soil	26	0.67	168	0.005	2	1.98	0.007	0.05	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1225631	Soil	31	0.37	282	0.027	1	1.55	0.006	0.05	0.2	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
1225632	Soil	23	0.36	244	0.023	1	1.26	0.005	0.07	0.1	0.03	3.2	0.1	<0.05	3	<0.5	<0.2
1225633	Soil	19	0.41	176	0.007	<1	1.30	0.004	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1225634	Soil	22	0.42	206	0.010	1	1.53	0.004	0.06	0.1	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
1225635	Soil	23	0.32	249	0.026	2	1.15	0.006	0.10	0.2	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1225636	Soil	17	0.37	271	0.012	2	1.17	0.003	0.08	0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1225637	Soil	13	0.33	89	0.011	1	0.86	0.005	0.05	0.2	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
1225638	Soil	13	0.29	110	0.006	1	0.86	0.003	0.08	<0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
1225639	Soil	15	0.35	169	0.013	2	0.80	0.006	0.04	0.2	0.02	2.0	<0.1	0.08	2	<0.5	<0.2
1225640	Soil	15	0.32	107	0.018	1	0.69	0.007	0.06	0.3	0.03	1.9	<0.1	0.07	2	<0.5	<0.2
1225641	Soil	21	0.36	257	0.014	<1	1.27	0.007	0.05	0.2	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
1225642	Soil	18	0.53	270	0.020	2	1.02	0.011	0.05	0.2	0.03	2.1	<0.1	<0.05	3	0.7	<0.2
1225643	Soil	17	0.35	212	0.011	1	1.17	0.004	0.07	<0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1225644	Soil	18	0.46	165	0.007	<1	1.25	0.005	0.06	0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1225645	Soil	19	0.35	297	0.014	<1	1.23	0.005	0.08	0.2	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1225646	Soil	22	0.42	382	0.013	2	1.37	0.013	0.10	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1225647	Soil	0.9	21.9	15.0	67	0.2	21.8	8.8	250	2.47	13.3	4.1	6.9	23	<0.1	0.8	0.2	29	0.26	0.062	16
1225648 (1225650)	Soil	1.1	31.1	38.0	89	0.3	29.3	13.2	517	3.20	47.5	2.1	10.9	22	0.2	0.8	0.3	22	0.28	0.033	21
1225649	Soil	1.3	24.7	42.2	71	0.2	26.3	8.8	288	2.56	22.9	4.1	8.3	23	0.3	0.8	0.2	27	0.32	0.040	20
1225650 (NO TAG)	Soil	0.9	27.0	33.5	78	0.2	24.8	9.6	366	2.59	34.5	2.3	7.1	33	0.4	0.7	0.3	23	0.95	0.036	17
1225651	Soil	0.8	27.4	32.6	74	0.2	25.2	10.0	350	2.69	34.7	18.9	6.6	31	0.4	0.8	0.3	21	0.97	0.037	17
1225652	Soil	0.9	32.1	41.5	83	0.3	31.3	13.4	443	2.98	44.0	8.6	8.9	21	0.2	1.1	0.3	23	0.32	0.043	18
1225657	Soil	1.5	23.2	17.3	66	0.2	24.2	9.5	391	2.79	9.6	1.3	3.4	45	0.2	0.7	0.3	46	0.63	0.044	18
1225658	Soil	0.9	29.0	17.4	64	0.1	25.7	9.5	391	2.64	11.2	2.0	4.4	31	0.1	1.0	0.2	39	0.44	0.055	18
1225659	Soil	1.3	34.1	16.4	74	0.1	31.0	11.0	434	2.99	13.4	2.5	5.9	28	0.2	1.0	0.2	41	0.36	0.051	20
1225660	Soil	1.1	25.8	21.1	59	<0.1	24.8	8.7	286	2.54	10.6	2.7	6.5	24	<0.1	1.2	0.2	31	0.29	0.045	22
1225661	Soil	1.2	28.6	14.4	71	0.1	24.8	9.8	394	2.52	10.9	1.5	5.1	26	0.1	1.0	0.2	36	0.38	0.056	19
1225662	Soil	0.9	30.2	16.5	64	0.1	28.5	11.5	458	2.80	11.1	1.3	5.0	34	0.1	0.9	0.2	40	0.53	0.059	20
1225663	Soil	1.3	26.7	16.7	68	0.2	25.7	10.0	342	2.66	11.0	1.5	5.1	28	<0.1	0.9	0.2	37	0.39	0.053	19
1225664	Soil	0.8	30.0	19.6	55	0.2	25.6	10.2	623	2.45	11.7	3.6	4.6	43	0.2	1.2	0.2	30	0.76	0.049	17
1225665	Soil	0.7	28.3	21.6	70	0.1	25.6	11.2	322	2.82	10.2	1.4	7.7	26	<0.1	1.0	0.3	25	0.31	0.039	22
1225666	Soil	1.0	38.0	22.4	78	0.2	31.8	12.5	427	2.98	15.2	22.8	9.1	25	0.1	1.7	0.6	28	0.36	0.058	25
1225667	Soil	0.5	36.6	32.0	88	<0.1	41.8	20.2	612	3.57	14.8	1.1	13.6	15	<0.1	0.8	0.4	9	0.22	0.038	42
1225668	Soil	0.6	28.6	18.7	58	0.1	27.4	10.7	408	2.53	8.4	2.7	6.6	26	<0.1	0.7	0.2	27	0.53	0.051	26
1225669	Soil	0.9	24.4	13.2	56	<0.1	20.9	6.6	193	2.27	9.2	1.2	6.0	19	<0.1	0.8	0.2	27	0.23	0.041	21
1225670	Soil	0.5	25.3	19.5	60	<0.1	25.8	15.1	520	2.78	5.1	0.6	10.2	26	<0.1	0.5	0.3	20	0.11	0.023	36
1225671	Soil	0.7	22.7	11.5	55	<0.1	19.3	6.7	241	2.14	11.1	2.3	6.2	11	<0.1	0.9	0.2	25	0.09	0.032	23
1225672	Soil	0.9	25.7	14.6	54	<0.1	20.2	7.8	257	2.36	14.9	8.5	7.0	7	<0.1	1.3	0.2	28	0.04	0.027	22
1225673	Soil	0.5	38.9	15.6	73	<0.1	28.2	10.7	664	3.41	12.5	1.3	10.6	4	<0.1	0.3	0.3	19	0.02	0.024	38
1225674	Soil	0.8	33.5	16.6	64	<0.1	22.9	8.6	392	3.16	12.3	2.0	10.5	7	<0.1	0.4	0.3	25	0.04	0.022	34
1225675	Soil	0.7	28.2	15.3	58	<0.1	20.5	8.2	312	2.61	19.2	3.8	9.7	8	<0.1	1.6	0.3	21	0.04	0.025	33
1225676	Soil	1.3	35.1	26.9	71	<0.1	49.2	19.2	800	3.91	10.1	2.0	11.9	21	<0.1	0.8	0.3	27	0.29	0.057	40
1225677	Soil	0.6	33.0	15.7	62	<0.1	32.6	14.3	681	3.36	10.0	1.1	10.6	7	<0.1	0.4	0.3	18	0.05	0.032	45
1225678	Soil	0.5	33.9	15.4	63	<0.1	29.8	10.9	581	3.16	11.1	1.0	11.6	6	<0.1	0.6	0.3	18	0.04	0.025	42
1225679	Soil	0.5	40.1	15.9	74	<0.1	59.6	19.5	884	4.15	8.2	2.1	10.4	21	<0.1	0.6	0.3	24	0.24	0.104	39
1225680	Soil	0.6	41.4	13.0	86	<0.1	51.5	20.9	1031	4.55	10.2	1.9	9.5	32	0.1	0.4	0.2	26	0.53	0.116	48

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

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

CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1225647	Soil	19	0.46	416	0.019	2	1.09	0.008	0.04	0.2	0.07	2.3	<0.1	<0.05	3	<0.5	<0.2
1225648 (1225650)	Soil	20	0.44	204	0.011	5	1.14	0.008	0.07	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1225649	Soil	21	0.38	259	0.016	1	1.03	0.008	0.07	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1225650 (NO TAG)	Soil	17	0.42	237	0.009	1	1.09	0.007	0.07	0.2	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
1225651	Soil	16	0.42	239	0.009	1	1.08	0.007	0.08	0.2	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1225652	Soil	20	0.47	196	0.015	1	1.22	0.006	0.07	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1225657	Soil	29	0.40	397	0.012	<1	1.73	0.008	0.05	0.2	0.05	3.0	<0.1	<0.05	5	<0.5	<0.2
1225658	Soil	25	0.45	343	0.018	<1	1.42	0.012	0.04	0.2	0.06	3.3	<0.1	<0.05	4	<0.5	<0.2
1225659	Soil	29	0.47	404	0.025	1	1.50	0.010	0.05	0.2	0.07	3.9	<0.1	<0.05	4	<0.5	<0.2
1225660	Soil	26	0.45	292	0.022	1	1.29	0.010	0.07	0.2	0.06	3.0	<0.1	<0.05	4	<0.5	<0.2
1225661	Soil	24	0.44	342	0.020	<1	1.32	0.009	0.04	0.2	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
1225662	Soil	27	0.49	348	0.022	<1	1.39	0.010	0.04	0.2	0.07	3.6	<0.1	<0.05	4	<0.5	<0.2
1225663	Soil	28	0.44	346	0.019	<1	1.30	0.008	0.04	0.2	0.06	3.1	<0.1	<0.05	4	0.6	<0.2
1225664	Soil	22	0.38	306	0.010	<1	1.20	0.006	0.03	0.2	0.08	2.5	<0.1	<0.05	3	<0.5	<0.2
1225665	Soil	23	0.50	173	0.012	2	1.34	0.006	0.04	0.1	0.06	2.3	<0.1	<0.05	4	<0.5	<0.2
1225666	Soil	22	0.46	198	0.021	1	1.21	0.007	0.07	0.2	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
1225667	Soil	11	0.19	91	0.002	2	0.60	0.003	0.05	<0.1	0.18	2.4	0.1	<0.05	2	<0.5	<0.2
1225668	Soil	21	0.36	229	0.015	1	1.07	0.008	0.04	0.1	0.07	2.8	<0.1	<0.05	3	<0.5	<0.2
1225669	Soil	20	0.37	263	0.015	<1	1.19	0.006	0.04	0.1	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
1225670	Soil	14	0.05	108	0.004	<1	0.44	0.003	0.05	<0.1	0.51	2.9	<0.1	<0.05	1	<0.5	<0.2
1225671	Soil	19	0.45	140	0.025	<1	1.19	0.005	0.04	0.3	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1225672	Soil	20	0.39	151	0.028	1	1.32	0.008	0.05	0.2	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
1225673	Soil	22	0.68	70	0.006	<1	1.73	0.002	0.03	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
1225674	Soil	22	0.56	115	0.013	<1	1.63	0.005	0.04	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1225675	Soil	18	0.47	121	0.014	<1	1.33	0.006	0.07	<0.1	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
1225676	Soil	32	0.49	141	0.013	<1	1.44	0.007	0.06	<0.1	0.04	3.6	<0.1	<0.05	3	<0.5	<0.2
1225677	Soil	25	0.62	104	0.010	<1	1.56	0.004	0.06	0.1	0.04	2.1	<0.1	<0.05	4	<0.5	<0.2
1225678	Soil	22	0.57	96	0.007	<1	1.59	0.004	0.05	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1225679	Soil	40	0.58	110	0.014	<1	1.39	0.005	0.06	<0.1	0.11	3.5	<0.1	<0.05	4	<0.5	<0.2
1225680	Soil	44	1.04	119	0.006	<1	2.07	0.004	0.04	<0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2

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

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1225681	Soil	0.8	20.8	14.6	52	<0.1	20.6	7.2	224	2.41	12.8	4.2	6.4	10	<0.1	1.8	0.3	25	0.09	0.026	27
1225682	Soil	1.0	33.4	16.7	71	<0.1	29.7	10.1	295	2.91	10.1	2.9	8.8	15	<0.1	1.0	0.3	39	0.13	0.031	27
1225683	Soil	0.6	33.8	22.8	80	<0.1	32.5	12.2	346	4.04	3.6	2.5	11.4	8	<0.1	0.2	0.4	13	0.02	0.035	51
1225684	Soil	0.6	40.4	26.7	78	<0.1	37.2	14.2	370	4.02	4.9	1.1	13.8	8	<0.1	0.4	0.4	18	0.02	0.033	52
1225685	Soil	0.5	44.9	21.7	91	<0.1	41.7	16.8	495	3.87	5.3	1.9	15.2	10	<0.1	0.3	0.3	15	0.06	0.033	59
1225686	Soil	1.2	20.2	23.5	49	<0.1	20.4	7.3	158	2.33	7.3	1.8	3.3	5	<0.1	0.4	0.2	21	0.02	0.028	31
1225687	Soil	1.1	17.7	18.4	51	<0.1	16.9	8.0	209	2.93	10.6	3.4	7.9	10	<0.1	0.6	0.2	51	0.07	0.029	24
1225688	Soil	0.6	33.5	19.6	69	<0.1	26.7	10.0	267	3.37	5.9	2.7	11.0	7	<0.1	0.3	0.3	21	0.03	0.027	45
1225689	Soil	0.8	17.4	19.9	53	<0.1	24.3	11.3	229	2.61	11.1	2.2	11.2	6	<0.1	0.6	0.2	23	0.03	0.017	31
1225690	Soil	0.3	43.4	22.6	98	<0.1	37.9	16.3	528	4.38	3.9	2.0	14.5	9	<0.1	0.2	0.4	13	0.04	0.038	54
1225691	Soil	0.2	43.8	28.0	103	<0.1	50.2	17.5	379	3.90	4.6	2.2	13.5	5	<0.1	0.3	0.5	8	0.02	0.021	43
1225692	Soil	0.5	27.9	18.3	64	<0.1	23.8	9.7	284	2.96	4.7	2.7	12.3	8	<0.1	0.3	0.2	17	0.02	0.026	46
1225693	Soil	0.2	31.4	14.5	91	<0.1	38.5	15.4	341	3.50	8.2	0.8	13.6	7	<0.1	0.2	0.3	12	0.04	0.011	35
1225694	Soil	0.7	28.2	16.5	60	<0.1	22.6	9.1	266	2.95	9.2	2.6	5.3	13	<0.1	0.4	0.2	36	0.12	0.056	30
1225695	Soil	1.2	35.8	14.9	56	<0.1	22.2	8.8	299	2.85	11.6	2.8	6.7	11	0.1	0.8	0.2	57	0.08	0.023	19
1225696	Soil	1.4	12.0	15.8	57	0.1	15.2	7.7	265	3.07	11.7	0.9	3.5	8	0.2	0.6	0.2	69	0.07	0.049	12
1225697	Soil	0.7	36.2	22.0	50	0.2	26.1	10.5	460	2.74	4.5	2.6	7.3	38	<0.1	0.6	0.2	14	0.80	0.041	34
1225698	Soil	1.0	33.4	21.7	67	<0.1	27.9	11.4	206	3.54	6.7	2.3	14.7	10	<0.1	0.5	0.3	24	0.05	0.026	42
1225951	Soil	0.8	18.2	13.4	51	<0.1	17.4	6.5	161	2.09	12.5	3.5	4.2	9	0.1	3.8	0.2	23	0.07	0.034	22
1225952	Soil	0.7	19.6	16.4	53	<0.1	18.1	7.4	218	2.12	13.5	1.4	5.6	10	0.1	3.8	0.2	21	0.09	0.033	22
1225953	Soil	0.7	19.1	15.8	54	<0.1	18.7	7.3	213	2.13	12.9	1.4	5.8	10	0.1	3.5	0.2	22	0.09	0.032	22
1225954	Soil	0.7	17.0	14.9	50	<0.1	17.0	6.7	204	1.95	11.0	2.5	5.7	10	<0.1	2.8	0.1	25	0.10	0.030	22
1225955	Soil	0.7	18.6	15.7	52	<0.1	18.2	7.0	219	2.03	11.0	1.5	6.6	12	<0.1	3.2	0.1	25	0.12	0.035	26
1225956	Soil	0.9	18.5	16.4	48	<0.1	17.4	6.5	168	2.28	11.2	1.8	5.0	7	<0.1	2.1	0.2	36	0.05	0.021	21
1225957	Soil	0.8	23.2	15.1	52	<0.1	20.4	8.5	255	2.28	9.6	7.4	7.1	9	<0.1	2.2	0.1	32	0.06	0.014	28
1225958	Soil	0.9	24.6	15.7	54	<0.1	21.2	8.7	269	2.33	10.2	3.1	6.7	10	<0.1	2.0	0.1	33	0.07	0.015	26
1225959	Soil	0.8	22.1	14.7	47	<0.1	19.0	6.8	189	2.24	9.6	2.5	6.9	9	<0.1	2.2	0.1	31	0.06	0.014	23
1225960	Soil	0.9	24.9	16.2	55	<0.1	21.0	8.4	254	2.30	10.6	2.1	6.9	11	<0.1	2.2	0.1	33	0.08	0.020	25
1225961	Soil	0.7	24.2	18.5	53	<0.1	21.4	7.9	188	2.53	10.7	2.3	7.7	6	<0.1	3.3	0.2	25	0.03	0.019	27
1225962	Soil	0.8	30.9	19.3	61	<0.1	25.1	10.2	279	2.63	11.1	2.5	8.6	9	<0.1	3.3	0.2	27	0.05	0.019	30

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1225681	Soil	22	0.41	135	0.014	<1	1.28	0.005	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1225682	Soil	25	0.43	275	0.043	1	1.59	0.009	0.06	0.2	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
1225683	Soil	23	0.62	39	0.004	<1	1.70	0.003	0.03	<0.1	0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
1225684	Soil	22	0.55	67	0.005	<1	1.77	0.005	0.05	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
1225685	Soil	23	0.64	81	0.007	<1	1.71	0.005	0.10	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1225686	Soil	14	0.07	51	0.006	<1	0.50	0.004	0.03	<0.1	0.01	0.8	<0.1	<0.05	3	<0.5	<0.2
1225687	Soil	31	0.36	183	0.036	1	1.67	0.008	0.05	0.2	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
1225688	Soil	23	0.52	97	0.008	<1	1.62	0.005	0.05	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1225689	Soil	20	0.23	112	0.007	<1	1.25	0.005	0.05	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1225690	Soil	24	0.72	49	0.003	1	1.87	0.005	0.05	0.2	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1225691	Soil	22	0.75	43	0.004	<1	1.67	0.005	0.07	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1225692	Soil	20	0.35	73	0.009	1	1.18	0.007	0.08	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1225693	Soil	23	0.61	92	0.005	<1	1.44	0.004	0.04	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1225694	Soil	26	0.45	146	0.023	<1	1.49	0.009	0.05	0.2	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
1225695	Soil	36	0.49	221	0.055	1	2.15	0.008	0.05	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1225696	Soil	30	0.30	151	0.025	<1	1.83	0.006	0.04	0.2	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
1225697	Soil	15	0.27	136	0.003	<1	0.81	0.007	0.03	<0.1	0.05	1.6	<0.1	<0.05	2	0.6	<0.2
1225698	Soil	22	0.44	116	0.012	<1	1.29	0.011	0.06	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1225951	Soil	17	0.21	93	0.017	<1	0.82	0.004	0.07	0.3	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1225952	Soil	17	0.23	80	0.017	<1	0.86	0.006	0.08	0.4	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
1225953	Soil	19	0.25	86	0.019	<1	0.91	0.005	0.08	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1225954	Soil	18	0.27	103	0.023	<1	0.90	0.006	0.07	0.3	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1225955	Soil	19	0.28	114	0.025	1	0.92	0.006	0.10	0.3	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1225956	Soil	23	0.29	106	0.025	<1	1.25	0.005	0.06	0.2	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1225957	Soil	23	0.33	153	0.034	<1	1.24	0.008	0.09	0.5	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
1225958	Soil	22	0.35	179	0.035	<1	1.19	0.007	0.09	0.2	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
1225959	Soil	23	0.32	125	0.027	<1	1.19	0.007	0.07	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1225960	Soil	23	0.35	135	0.034	<1	1.15	0.016	0.09	0.2	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
1225961	Soil	19	0.28	82	0.016	<1	1.07	0.004	0.07	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1225962	Soil	22	0.33	149	0.022	<1	1.21	0.006	0.09	0.3	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1225963	Soil	1.0	37.0	21.0	69	<0.1	29.9	12.3	437	2.90	13.1	3.5	8.8	13	<0.1	3.1	0.2	35	0.10	0.026	29
1225964	Soil	1.1	37.9	18.2	69	<0.1	29.8	11.6	467	2.78	14.4	8.9	7.1	16	0.1	2.3	0.2	40	0.15	0.035	22
1225965	Soil	1.5	41.3	19.5	85	<0.1	33.7	13.3	509	3.20	15.5	3.5	7.3	23	0.1	2.5	0.2	51	0.23	0.039	23
1225966	Soil	0.9	22.2	12.3	43	<0.1	17.9	8.0	197	2.13	9.8	3.2	4.9	11	<0.1	1.1	0.1	35	0.10	0.027	19
1225967	Soil	0.7	14.5	12.9	41	<0.1	14.5	5.5	153	1.94	9.5	2.4	4.3	6	<0.1	1.4	0.1	28	0.06	0.022	15
1225968	Soil	1.4	18.9	26.0	54	0.1	18.8	7.1	273	2.71	11.2	0.8	3.5	8	0.2	1.6	0.2	49	0.05	0.042	17
1225969	Soil	0.7	20.5	15.9	42	<0.1	16.4	6.7	162	1.88	10.1	6.0	5.5	5	<0.1	3.0	0.2	21	0.03	0.025	17
1225970	Soil	0.6	24.6	18.7	47	0.2	19.8	8.1	185	2.26	10.7	13.0	7.7	6	<0.1	4.2	0.3	22	0.03	0.024	25
1225971	Soil	0.8	20.0	16.6	46	<0.1	16.9	6.8	198	1.91	9.8	2.8	2.6	7	0.1	3.6	0.2	21	0.05	0.039	21
1225972	Soil	0.7	22.5	17.7	50	<0.1	18.5	8.6	260	2.02	9.9	2.3	4.9	7	0.1	3.5	0.2	20	0.05	0.038	22
1225973	Soil	0.6	22.6	17.5	48	<0.1	18.1	8.3	279	1.94	9.7	2.2	5.5	9	0.1	3.7	0.2	19	0.06	0.035	22
1225974	Soil	0.8	20.8	21.1	45	<0.1	20.1	9.3	339	2.63	9.8	1.8	9.3	21	<0.1	0.6	0.2	23	0.24	0.026	30
1225975	Soil	0.4	29.5	17.7	74	0.1	28.6	11.9	254	2.98	3.2	0.7	18.6	93	<0.1	0.4	0.4	9	1.75	0.069	40
1225976	Soil	0.5	28.4	19.1	72	0.1	28.4	12.1	274	2.91	4.0	1.2	18.7	93	<0.1	0.4	0.3	10	1.67	0.065	41
1225977	Soil	0.5	28.6	21.7	76	0.1	31.2	13.5	355	3.25	3.6	1.5	22.0	99	<0.1	0.4	0.4	10	1.93	0.066	50
1225978	Soil	0.5	31.2	21.5	78	0.1	33.5	14.2	377	3.36	3.9	1.7	21.2	90	<0.1	0.4	0.4	11	1.65	0.064	49
1225979	Soil	0.6	31.9	24.2	76	0.2	30.1	13.4	305	2.95	5.0	1.3	16.6	65	0.1	0.5	0.4	14	1.05	0.060	35
1225980	Soil	0.6	30.4	23.7	66	<0.1	24.5	12.2	444	3.15	6.0	2.2	16.7	17	<0.1	0.5	0.4	18	0.22	0.039	41
1225981	Soil	0.5	32.1	24.0	79	<0.1	26.5	13.0	377	3.57	4.4	1.9	19.6	17	<0.1	0.4	0.3	16	0.20	0.039	45
1225982	Soil	0.8	32.6	23.3	72	<0.1	34.8	13.5	387	3.42	8.5	5.7	14.3	13	<0.1	0.7	0.3	32	0.17	0.025	37
1225983	Soil	1.0	24.8	17.6	58	<0.1	24.0	9.3	234	2.53	11.4	2.4	7.9	18	<0.1	0.9	0.2	42	0.22	0.018	21
1225984	Soil	0.8	31.7	20.4	64	<0.1	30.2	11.3	452	2.91	11.3	8.8	11.5	23	<0.1	0.8	0.2	36	0.33	0.023	27
1225985	Soil	0.8	33.4	19.8	68	<0.1	34.0	12.3	571	3.05	11.0	4.8	13.0	22	<0.1	0.8	0.2	33	0.30	0.027	31
1225986	Soil	0.4	30.9	35.2	98	<0.1	26.6	12.4	402	3.71	5.8	1.4	17.2	19	0.1	0.4	0.3	17	0.29	0.054	40
1225987	Soil	0.7	14.1	17.0	35	<0.1	17.2	6.8	146	2.03	9.3	1.7	5.4	20	<0.1	0.5	0.2	39	0.21	0.016	15
1225988	Soil	0.7	18.9	20.6	42	<0.1	21.7	8.7	326	2.24	9.3	2.1	10.7	20	<0.1	0.6	0.2	32	0.22	0.018	24
1225989	Soil	0.7	17.8	20.7	41	<0.1	22.0	8.6	316	2.20	9.0	6.0	10.6	19	<0.1	0.6	0.2	30	0.21	0.019	24
1225990	Soil	0.7	18.1	21.7	38	<0.1	22.6	8.8	389	2.22	9.9	3.0	11.0	20	<0.1	0.7	0.2	32	0.20	0.020	23
1225991	Soil	2.8	49.1	23.5	64	0.1	36.8	14.5	589	3.11	8.8	3.1	14.7	16	0.1	0.6	0.3	18	0.27	0.038	33
1225992	Soil	2.3	46.8	25.5	69	<0.1	34.0	14.5	582	3.30	8.0	2.1	14.1	18	<0.1	0.5	0.3	17	0.38	0.036	27

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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
1225963	Soil	24	0.39	293	0.029	<1	1.29	0.008	0.08	0.3	0.06	3.6	<0.1	<0.05	4	<0.5	<0.2
1225964	Soil	25	0.41	332	0.038	<1	1.25	0.009	0.10	0.3	0.06	3.7	<0.1	<0.05	4	<0.5	<0.2
1225965	Soil	31	0.51	461	0.049	<1	1.56	0.016	0.10	0.3	0.06	4.7	<0.1	<0.05	5	<0.5	<0.2
1225966	Soil	22	0.33	205	0.025	<1	1.21	0.007	0.05	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1225967	Soil	18	0.27	78	0.018	<1	1.02	0.005	0.05	0.2	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1225968	Soil	26	0.26	170	0.029	<1	1.44	0.007	0.06	0.2	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
1225969	Soil	13	0.19	66	0.016	2	0.78	0.004	0.04	0.3	0.02	1.2	<0.1	0.05	2	<0.5	<0.2
1225970	Soil	14	0.17	84	0.012	1	0.83	0.004	0.06	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1225971	Soil	13	0.18	62	0.011	2	0.67	0.003	0.05	0.3	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1225972	Soil	13	0.18	54	0.013	1	0.65	0.004	0.05	0.3	0.03	1.2	<0.1	<0.05	2	<0.5	<0.2
1225973	Soil	13	0.17	52	0.016	1	0.61	0.003	0.05	0.3	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1225974	Soil	17	0.28	262	0.006	1	1.15	0.004	0.05	0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1225975	Soil	10	0.28	67	0.005	2	0.65	0.005	0.07	<0.1	<0.01	1.5	<0.1	0.06	2	<0.5	<0.2
1225976	Soil	11	0.28	77	0.004	2	0.67	0.003	0.06	<0.1	<0.01	1.6	<0.1	0.05	2	<0.5	<0.2
1225977	Soil	12	0.35	76	0.004	2	0.77	0.004	0.07	<0.1	0.01	1.6	<0.1	0.05	2	<0.5	<0.2
1225978	Soil	12	0.38	98	0.005	1	0.84	0.003	0.05	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1225979	Soil	13	0.29	136	0.005	1	0.74	0.004	0.05	<0.1	0.02	1.9	<0.1	0.06	3	1.0	<0.2
1225980	Soil	15	0.23	179	0.006	1	0.93	0.003	0.05	<0.1	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2
1225981	Soil	15	0.35	141	0.005	2	1.01	0.003	0.05	<0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1225982	Soil	25	0.46	199	0.009	1	1.65	0.005	0.04	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
1225983	Soil	26	0.43	236	0.024	1	1.48	0.010	0.04	0.2	0.04	3.9	<0.1	<0.05	4	0.6	<0.2
1225984	Soil	24	0.41	221	0.019	1	1.34	0.005	0.04	0.1	0.04	4.1	<0.1	<0.05	4	0.6	<0.2
1225985	Soil	24	0.44	206	0.019	2	1.39	0.005	0.04	0.1	0.04	4.1	<0.1	<0.05	4	0.5	<0.2
1225986	Soil	18	0.50	135	0.006	1	1.34	0.004	0.04	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1225987	Soil	21	0.28	233	0.015	3	1.30	0.005	0.04	0.2	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
1225988	Soil	21	0.25	274	0.013	1	1.17	0.007	0.06	0.1	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
1225989	Soil	20	0.26	261	0.015	<1	1.20	0.005	0.07	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1225990	Soil	20	0.26	245	0.016	1	1.27	0.005	0.08	0.1	0.02	2.7	0.1	<0.05	3	<0.5	<0.2
1225991	Soil	15	0.35	134	0.009	1	0.99	0.007	0.04	<0.1	0.03	2.1	<0.1	<0.05	3	0.5	<0.2
1225992	Soil	17	0.46	124	0.006	1	1.13	0.006	0.04	<0.1	0.01	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
1225993	Soil	1.5	47.5	20.2	78	<0.1	35.9	17.0	682	3.47	8.5	2.5	15.6	18	<0.1	0.4	0.3	14	0.73	0.039	32
1225994	Soil	1.3	56.0	21.4	81	<0.1	34.2	16.0	573	3.71	7.9	2.0	17.6	19	0.1	0.4	0.4	15	0.67	0.039	35
1225995	Soil	1.5	49.9	19.8	81	0.1	39.0	17.4	626	3.46	8.6	2.3	16.5	17	0.1	0.5	0.3	15	0.34	0.042	38
1225996	Soil	1.4	47.7	18.3	75	<0.1	37.3	16.2	611	3.42	8.4	2.5	15.5	19	0.1	0.4	0.3	16	0.40	0.037	36
1225997	Soil	1.6	41.8	20.1	69	<0.1	29.9	13.8	620	3.10	7.9	2.3	12.1	19	0.1	0.6	0.3	19	0.28	0.035	29
1225998	Soil	1.9	46.9	20.3	74	<0.1	32.6	15.1	581	3.26	9.0	2.5	12.0	27	0.1	0.8	0.3	17	0.52	0.041	27
1227651	Soil	0.7	20.7	17.2	35	<0.1	12.8	5.0	121	2.06	7.3	1.6	0.7	7	<0.1	0.4	0.2	32	0.05	0.084	24
1227652	Soil	1.0	19.2	14.2	51	<0.1	19.1	8.3	190	2.53	9.1	2.9	5.8	9	0.1	0.7	0.2	40	0.06	0.035	23
1227653	Soil	0.8	11.9	17.2	28	<0.1	9.8	4.0	86	1.96	7.3	2.8	6.4	6	<0.1	0.4	0.3	36	0.04	0.028	25
1227654	Soil	0.9	28.2	18.6	60	<0.1	26.5	11.6	169	2.85	9.3	2.9	14.2	7	<0.1	0.5	0.2	25	0.02	0.020	37
1227655	Soil	1.0	31.3	16.6	56	<0.1	17.6	10.4	287	2.92	10.7	2.9	10.4	10	<0.1	0.7	0.3	43	0.06	0.026	26
1227656	Soil	1.1	28.2	17.6	49	<0.1	15.4	7.6	193	2.75	8.9	3.8	10.6	8	<0.1	0.7	0.4	39	0.04	0.022	31
1227657	Soil	1.0	23.9	16.3	55	<0.1	23.6	9.6	190	2.54	10.7	2.3	7.8	7	0.2	0.7	0.2	33	0.04	0.014	20
1227658	Soil	0.9	23.5	12.2	61	<0.1	18.6	6.8	195	2.24	8.2	3.6	4.9	10	<0.1	0.7	0.2	32	0.09	0.037	22
1227659	Soil	2.0	47.5	49.5	86	<0.1	25.0	11.9	501	4.74	10.1	2.3	8.7	6	0.2	0.7	0.5	25	0.03	0.052	24
1227660	Soil	0.7	24.8	22.6	68	<0.1	18.4	10.1	328	3.25	13.2	2.2	5.8	8	<0.1	0.6	0.3	29	0.06	0.049	33
1227661	Soil	0.6	13.8	16.5	40	<0.1	13.2	6.0	168	2.45	11.5	2.8	4.4	8	<0.1	0.5	0.2	40	0.07	0.026	16
1227662	Soil	1.0	27.2	17.2	54	<0.1	17.0	8.4	251	2.61	11.7	<0.5	8.3	9	<0.1	0.7	0.2	36	0.06	0.026	21
1227663	Soil	0.9	10.9	13.4	37	<0.1	11.0	4.0	121	2.52	12.6	6.3	4.4	5	<0.1	0.6	0.2	39	0.03	0.018	13
1227664	Soil	0.8	17.2	16.0	50	<0.1	14.6	6.9	171	2.40	10.8	1.0	6.8	7	<0.1	0.6	0.2	38	0.04	0.022	20
1227665	Soil	0.8	19.6	18.2	43	<0.1	13.6	6.0	169	2.61	8.2	2.0	3.8	8	<0.1	0.4	0.3	38	0.04	0.037	29
1227666	Soil	1.0	15.8	16.2	41	<0.1	13.4	5.1	137	2.24	8.0	2.5	1.4	7	<0.1	0.4	0.2	33	0.05	0.045	22
1227667	Soil	0.8	15.4	17.8	27	<0.1	7.2	2.6	69	1.98	6.1	0.8	2.3	7	<0.1	0.3	0.2	34	0.04	0.055	20
1227668	Soil	0.7	34.3	15.4	53	<0.1	23.0	9.4	239	2.55	13.2	7.6	8.6	8	<0.1	0.7	0.2	40	0.06	0.015	18
1227669	Soil	0.8	28.9	20.1	56	<0.1	16.9	6.8	168	2.93	8.2	1.9	12.6	8	<0.1	0.4	0.3	30	0.03	0.021	32
1227670	Soil	1.9	61.0	60.2	105	0.2	82.5	39.9	870	4.88	4.8	3.4	27.3	18	0.2	0.2	0.7	13	0.01	0.048	91
1227671	Soil	1.1	38.8	36.1	72	<0.1	24.2	16.7	354	3.83	6.1	0.9	19.5	13	<0.1	0.2	0.5	19	0.02	0.030	48
1227672	Soil	0.9	34.5	17.5	61	<0.1	21.2	9.4	264	2.71	10.3	2.9	9.9	9	<0.1	0.6	0.2	31	0.04	0.017	30
1227673	Soil	0.7	18.6	15.2	50	0.2	20.2	10.2	230	2.37	12.4	2.8	7.6	8	<0.1	0.6	0.2	35	0.05	0.015	17
1227674	Soil	0.8	31.7	20.5	55	<0.1	16.1	8.9	232	2.67	10.3	2.9	11.6	9	<0.1	0.5	0.3	28	0.03	0.015	33

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

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

CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1225993	Soil	15	0.51	93	0.005	2	1.18	0.009	0.05	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1225994	Soil	17	0.56	90	0.006	1	1.21	0.008	0.08	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1225995	Soil	16	0.47	109	0.004	2	1.12	0.005	0.06	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1225996	Soil	15	0.47	104	0.004	1	1.05	0.005	0.05	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1225997	Soil	17	0.47	150	0.006	<1	1.21	0.005	0.05	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1225998	Soil	16	0.47	134	0.004	1	1.14	0.006	0.04	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1227651	Soil	21	0.23	87	0.008	<1	1.12	0.004	0.04	<0.1	0.04	0.4	<0.1	<0.05	4	0.7	<0.2
1227652	Soil	24	0.36	134	0.023	1	1.38	0.005	0.05	0.2	0.04	2.3	<0.1	<0.05	4	0.5	<0.2
1227653	Soil	19	0.19	91	0.018	1	1.11	0.003	0.03	0.1	0.02	1.5	0.1	<0.05	4	0.6	<0.2
1227654	Soil	18	0.27	98	0.012	<1	1.25	0.006	0.05	<0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1227655	Soil	29	0.44	149	0.033	1	1.78	0.005	0.04	0.1	0.05	3.1	<0.1	<0.05	5	0.6	<0.2
1227656	Soil	25	0.37	147	0.022	<1	1.58	0.005	0.05	0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1227657	Soil	21	0.36	135	0.022	1	1.37	0.007	0.06	0.2	0.04	2.7	<0.1	<0.05	4	0.8	<0.2
1227658	Soil	19	0.37	181	0.034	2	1.09	0.006	0.04	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1227659	Soil	18	0.37	42	0.013	<1	0.97	0.003	0.04	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1227660	Soil	22	0.45	91	0.012	<1	1.52	0.005	0.04	0.2	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1227661	Soil	21	0.34	118	0.024	<1	1.31	0.007	0.03	0.2	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1227662	Soil	23	0.46	159	0.031	2	1.31	0.008	0.05	0.2	0.09	4.1	<0.1	<0.05	4	<0.5	<0.2
1227663	Soil	22	0.30	55	0.021	<1	1.21	0.004	0.02	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1227664	Soil	22	0.38	104	0.026	1	1.45	0.007	0.05	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1227665	Soil	20	0.37	119	0.017	<1	1.35	0.009	0.04	0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1227666	Soil	19	0.29	78	0.014	<1	1.11	0.005	0.04	0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1227667	Soil	17	0.20	70	0.017	<1	1.08	0.005	0.03	0.1	0.02	1.4	<0.1	<0.05	5	0.6	<0.2
1227668	Soil	26	0.43	150	0.042	1	1.56	0.012	0.06	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1227669	Soil	23	0.49	83	0.019	<1	1.53	0.006	0.06	0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1227670	Soil	21	0.68	41	0.002	<1	1.54	0.006	0.04	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1227671	Soil	22	0.63	58	0.008	<1	1.54	0.005	0.04	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1227672	Soil	24	0.50	143	0.031	<1	1.37	0.009	0.06	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1227673	Soil	25	0.41	111	0.027	2	1.59	0.012	0.04	0.1	0.03	2.3	<0.1	<0.05	4	0.5	<0.2
1227674	Soil	22	0.48	75	0.027	<1	1.21	0.007	0.05	0.1	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2

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

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1227675	Soil	0.8	20.8	14.6	45	<0.1	17.1	6.7	156	2.27	9.5	1.3	6.7	9	<0.1	0.4	0.2	31	0.05	0.015	25
1227676	Soil	0.8	30.5	18.1	55	0.1	43.1	10.9	227	2.88	23.5	2.0	8.3	12	<0.1	0.3	0.3	34	0.09	0.020	32
1227677	Soil	1.2	28.9	18.9	50	0.2	21.6	6.4	137	2.49	10.4	0.9	2.3	11	0.1	0.5	0.3	33	0.06	0.029	24
1227678	Soil	0.8	30.8	22.1	68	<0.1	32.5	10.0	179	2.98	10.8	3.5	11.1	8	<0.1	1.8	0.3	21	0.03	0.027	34
1227679	Soil	1.1	32.2	21.2	69	0.1	25.7	9.1	201	2.87	8.1	3.5	9.1	12	<0.1	1.0	0.3	22	0.05	0.025	28
1227680	Soil	0.6	31.9	25.4	74	0.1	42.9	18.3	769	2.85	14.3	3.4	12.6	25	<0.1	8.5	0.3	14	0.25	0.042	43
1227681	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.
1227682	Soil	0.9	18.4	22.2	50	<0.1	24.4	7.8	189	2.43	15.3	1.4	6.7	8	0.1	6.1	0.2	24	0.13	0.032	25
1227683	Soil	0.9	22.8	16.7	63	<0.1	19.5	8.4	238	2.51	9.7	2.1	7.9	13	<0.1	3.6	0.3	28	0.14	0.019	26
1227684	Soil	0.7	7.7	10.4	25	<0.1	7.2	2.5	73	1.66	13.7	4.7	3.2	6	<0.1	0.7	0.2	45	0.05	0.018	12
1227685	Soil	0.9	32.1	26.5	65	<0.1	27.3	10.1	231	2.65	27.5	3.7	10.2	7	<0.1	24.7	0.3	15	0.03	0.025	37
1227686	Soil	0.5	35.3	22.0	85	<0.1	33.4	13.7	415	3.34	25.3	2.7	16.0	21	<0.1	13.6	0.2	9	0.24	0.040	51
1227687	Soil	0.7	33.1	25.1	76	0.2	28.2	11.4	435	2.71	28.9	2.9	10.1	39	0.2	4.2	0.3	19	0.56	0.052	28
1227688	Soil	0.6	24.3	23.8	66	<0.1	19.6	8.5	288	2.49	32.0	2.4	9.3	24	0.3	4.2	0.5	22	0.28	0.038	28
1227689	Soil	0.8	20.4	22.7	56	<0.1	17.7	7.9	289	2.38	30.3	2.2	8.3	20	0.1	4.1	0.5	21	0.21	0.033	27
1227690	Soil	0.8	15.1	19.4	55	<0.1	15.3	7.2	192	2.05	16.8	1.5	6.0	24	0.1	2.4	0.2	26	0.16	0.022	22
1227691	Soil	1.1	17.8	24.9	66	0.2	19.3	8.3	319	2.36	25.2	11.6	7.3	63	0.1	3.6	0.4	23	0.50	0.052	23
1227692	Soil	0.9	20.0	24.6	59	0.1	18.9	7.6	387	2.31	26.6	2.4	5.9	41	<0.1	4.0	0.4	22	0.56	0.046	22
1227693	Soil	1.2	36.9	22.9	91	0.2	32.5	12.0	554	2.77	22.0	3.9	9.1	24	0.3	3.2	0.3	30	0.34	0.061	27
1227694	Soil	1.0	29.9	26.2	75	0.1	24.9	10.4	382	2.61	38.4	4.0	9.1	21	0.3	4.9	0.5	23	0.29	0.040	26
1227695	Soil	1.3	37.0	18.5	118	0.3	32.0	10.7	489	2.70	20.1	5.0	5.6	42	0.7	1.6	0.3	31	1.11	0.074	17
1227696	Soil	1.8	45.2	22.2	116	0.4	38.6	13.1	643	3.03	25.4	2.8	7.1	47	0.6	1.8	0.3	37	1.49	0.076	20
1227697	Soil	1.4	32.6	16.7	111	0.3	28.8	10.2	396	2.55	18.2	2.7	5.2	35	0.5	1.4	0.2	30	0.70	0.081	17
1227698	Soil	1.4	35.6	19.0	97	0.3	30.2	10.0	597	2.56	26.2	2.8	6.5	46	0.6	2.3	0.3	28	1.48	0.073	18
1227699	Soil	1.2	40.2	21.4	103	0.3	31.8	10.7	411	2.60	21.2	5.4	6.0	36	0.6	2.1	0.3	29	0.64	0.077	18
1227700	Soil	0.8	37.0	20.7	107	0.3	30.6	9.6	347	2.49	22.0	5.6	7.3	40	0.5	2.3	0.3	33	0.54	0.073	22
1227701	Soil	1.0	29.7	19.4	92	0.2	28.0	13.2	421	3.18	33.4	3.0	8.0	44	0.4	3.6	0.3	26	0.44	0.066	24
1227702	Soil	1.3	45.0	34.7	108	0.3	37.6	14.8	864	3.57	69.8	5.0	12.4	28	0.4	6.7	0.7	30	0.33	0.050	31
1227703	Soil	1.1	17.8	18.6	47	<0.1	17.3	6.0	156	2.90	9.2	<0.5	9.4	8	<0.1	0.5	0.3	47	0.05	0.023	34
1227704	Soil	1.2	16.9	15.8	57	<0.1	16.8	7.0	211	3.20	12.7	3.2	7.2	7	<0.1	0.7	0.3	44	0.05	0.030	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
1227675	Soil	23	0.43	102	0.019	4	1.24	0.005	0.03	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1227676	Soil	57	0.75	97	0.012	<1	1.62	0.009	0.04	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1227677	Soil	26	0.43	114	0.020	<1	1.30	0.006	0.04	0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1227678	Soil	20	0.44	91	0.011	1	1.23	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1227679	Soil	20	0.48	133	0.010	<1	1.28	0.005	0.05	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1227680	Soil	12	0.19	95	0.007	1	0.67	0.004	0.11	<0.1	0.07	2.9	<0.1	<0.05	2	<0.5	<0.2
1227681	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.
1227682	Soil	16	0.21	72	0.009	2	0.88	0.004	0.06	0.2	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1227683	Soil	17	0.33	168	0.012	<1	1.18	0.005	0.08	0.1	0.03	2.2	0.1	<0.05	3	<0.5	<0.2
1227684	Soil	13	0.18	73	0.033	<1	0.79	0.004	0.03	0.2	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1227685	Soil	15	0.10	74	0.003	<1	0.57	0.003	0.13	<0.1	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1227686	Soil	10	0.12	90	0.002	3	0.53	0.005	0.11	<0.1	0.05	2.0	0.1	<0.05	2	0.5	<0.2
1227687	Soil	18	0.40	112	0.012	1	0.99	0.012	0.12	0.4	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
1227688	Soil	19	0.36	106	0.018	1	0.97	0.007	0.08	0.2	0.03	2.2	0.1	<0.05	3	0.6	<0.2
1227689	Soil	18	0.32	142	0.016	<1	0.87	0.006	0.06	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1227690	Soil	18	0.31	156	0.014	<1	1.09	0.007	0.09	0.2	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1227691	Soil	20	0.38	130	0.019	1	0.96	0.009	0.08	0.3	0.05	2.2	<0.1	<0.05	3	<0.5	<0.2
1227692	Soil	19	0.35	121	0.021	<1	0.91	0.007	0.09	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1227693	Soil	26	0.46	216	0.022	3	1.20	0.008	0.08	0.2	0.06	3.1	<0.1	<0.05	4	0.8	<0.2
1227694	Soil	20	0.39	148	0.014	2	0.97	0.006	0.08	0.4	0.05	2.2	<0.1	<0.05	3	0.9	<0.2
1227695	Soil	24	0.72	270	0.019	3	1.16	0.008	0.10	0.2	0.05	2.7	0.1	<0.05	3	0.6	<0.2
1227696	Soil	27	0.91	321	0.025	4	1.32	0.011	0.12	0.2	0.08	3.3	0.1	<0.05	4	0.9	<0.2
1227697	Soil	22	0.54	264	0.018	2	1.12	0.007	0.08	0.3	0.06	2.6	<0.1	<0.05	3	1.0	<0.2
1227698	Soil	21	0.76	244	0.021	2	1.00	0.009	0.09	0.4	0.06	2.5	0.1	<0.05	3	0.8	<0.2
1227699	Soil	23	0.50	241	0.016	2	1.10	0.009	0.09	0.3	0.04	2.7	0.1	<0.05	3	0.9	<0.2
1227700	Soil	25	0.53	221	0.021	2	1.29	0.009	0.10	0.3	0.06	2.9	0.1	<0.05	4	0.7	<0.2
1227701	Soil	21	0.44	200	0.021	2	1.03	0.008	0.08	0.4	0.06	2.5	<0.1	<0.05	3	0.7	<0.2
1227702	Soil	29	0.51	187	0.026	3	1.32	0.008	0.16	0.6	0.09	3.4	0.1	<0.05	4	0.6	<0.2
1227703	Soil	22	0.37	92	0.023	<1	1.69	0.003	0.04	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
1227704	Soil	26	0.40	94	0.023	1	1.45	0.004	0.04	0.2	0.02	1.8	0.1	<0.05	5	0.6	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1227705	Soil	1.0	20.2	15.2	51	<0.1	17.2	6.7	161	2.84	11.4	5.1	8.0	8	<0.1	0.7	0.2	42	0.05	0.023	20
1227706	Soil	1.0	28.8	14.1	57	<0.1	19.9	9.4	220	2.73	13.5	5.1	9.0	8	0.1	0.8	0.2	41	0.06	0.019	20
1227707	Soil	1.1	29.6	16.5	58	<0.1	20.9	9.2	217	2.78	12.0	3.7	9.6	9	<0.1	0.7	0.2	37	0.05	0.019	22
1227708	Soil	0.9	19.9	16.0	52	<0.1	17.2	6.6	160	2.73	9.7	8.3	8.4	8	<0.1	0.6	0.3	37	0.05	0.020	24
1227709	Soil	1.1	29.0	15.3	64	<0.1	20.3	9.8	246	2.87	12.5	4.4	10.0	10	0.1	0.7	0.2	45	0.06	0.021	24
1227710	Soil	1.1	43.2	20.3	66	<0.1	45.4	17.3	425	3.60	8.1	5.0	9.4	13	<0.1	0.4	0.2	57	0.08	0.034	43
1227711	Soil	1.0	32.0	19.1	64	<0.1	38.9	13.5	338	3.50	9.0	4.9	9.3	12	<0.1	0.4	0.2	65	0.08	0.029	31
1227712	Soil	1.0	40.8	19.2	65	<0.1	42.3	16.9	457	3.54	7.8	10.2	11.0	13	<0.1	0.5	0.2	58	0.08	0.030	49
1227713	Soil	0.8	33.7	15.5	55	<0.1	37.9	13.6	341	3.38	7.7	2.8	7.9	9	<0.1	0.3	0.2	61	0.08	0.026	31
1227714	Soil	0.7	27.6	14.3	54	<0.1	33.7	9.8	240	2.94	8.4	5.8	7.7	9	<0.1	0.4	0.2	46	0.08	0.021	21
1227715	Soil	1.2	19.6	16.4	48	0.1	18.2	8.6	250	2.47	8.8	3.2	4.2	9	<0.1	0.5	0.2	44	0.07	0.028	22
1227716	Soil	0.8	33.8	10.8	52	<0.1	20.5	9.4	253	2.30	11.0	5.6	5.9	8	<0.1	0.8	0.2	42	0.06	0.015	21
1227717	Soil	1.2	21.0	15.4	63	<0.1	22.7	8.7	217	3.13	12.3	3.5	5.5	12	<0.1	0.8	0.2	54	0.09	0.021	15
1227718	Soil	0.8	28.7	18.3	58	<0.1	23.9	10.4	220	2.57	7.3	3.1	13.2	33	<0.1	0.6	0.3	24	0.13	0.024	49
1227719	Soil	0.9	42.0	16.2	63	<0.1	31.2	13.7	438	3.23	7.1	3.9	12.8	16	<0.1	0.7	0.3	20	0.11	0.023	45
1227720	Soil	0.8	22.3	12.3	53	<0.1	19.4	7.4	230	2.18	10.5	5.1	5.8	12	<0.1	1.7	0.2	26	0.11	0.029	24
1227721	Soil	0.8	24.3	17.0	54	<0.1	19.1	7.2	157	2.57	11.5	4.4	10.7	8	<0.1	4.9	0.2	25	0.04	0.020	35
1227722	Soil	0.9	15.5	13.8	39	<0.1	12.6	4.4	113	1.87	9.7	2.9	5.4	7	<0.1	2.4	0.2	28	0.04	0.022	25
1227723	Soil	0.9	21.0	14.2	55	<0.1	17.4	6.4	165	2.19	11.3	6.2	4.6	10	0.1	1.3	0.2	32	0.09	0.029	18
1227724	Soil	0.8	21.3	13.3	52	<0.1	17.5	6.4	184	2.04	12.8	5.9	5.4	11	<0.1	1.6	0.2	25	0.11	0.045	23
BLANK (1225648)	Soil	0.8	24.4	30.5	81	<0.1	23.8	8.2	275	2.54	23.9	2.5	7.2	25	0.2	0.8	0.2	29	0.34	0.045	18

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CERTIFICATE OF ANALYSIS WHI11001419.1

	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
1227705	Soil	28	0.40	116	0.024	1	1.62	0.004	0.04	0.2	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1227706	Soil	29	0.42	135	0.035	<1	1.68	0.005	0.04	0.3	0.05	3.5	0.1	<0.05	4	0.8	<0.2
1227707	Soil	28	0.42	132	0.029	<1	1.64	0.005	0.04	0.2	0.05	3.8	<0.1	<0.05	4	0.6	<0.2
1227708	Soil	27	0.42	107	0.019	<1	1.79	0.004	0.04	0.2	0.03	2.1	<0.1	<0.05	5	0.6	<0.2
1227709	Soil	31	0.47	160	0.041	1	1.85	0.007	0.04	0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
1227710	Soil	77	0.78	144	0.017	<1	1.60	0.005	0.08	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1227711	Soil	72	0.79	133	0.018	<1	1.71	0.004	0.07	0.1	0.02	4.4	0.1	<0.05	5	<0.5	<0.2
1227712	Soil	75	0.77	186	0.025	<1	1.55	0.005	0.08	0.1	0.04	5.2	0.1	<0.05	5	<0.5	<0.2
1227713	Soil	95	0.92	146	0.021	<1	1.76	0.003	0.08	<0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
1227714	Soil	77	0.71	132	0.023	1	1.60	0.004	0.05	0.1	0.02	3.3	<0.1	<0.05	4	0.6	<0.2
1227715	Soil	27	0.26	151	0.018	<1	1.21	0.004	0.06	0.2	0.01	2.0	0.1	<0.05	4	<0.5	<0.2
1227716	Soil	30	0.38	202	0.034	1	1.34	0.005	0.04	0.2	0.04	4.0	<0.1	<0.05	4	0.7	<0.2
1227717	Soil	34	0.46	185	0.023	1	2.02	0.005	0.06	0.2	0.02	2.7	0.1	<0.05	5	0.7	<0.2
1227718	Soil	16	0.23	184	0.014	1	0.82	0.006	0.06	<0.1	0.09	2.4	<0.1	<0.05	3	<0.5	<0.2
1227719	Soil	15	0.32	190	0.005	1	0.98	0.005	0.10	<0.1	0.06	2.7	<0.1	<0.05	3	<0.5	<0.2
1227720	Soil	19	0.31	161	0.016	1	0.91	0.005	0.05	0.2	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1227721	Soil	17	0.23	107	0.013	<1	0.90	0.004	0.05	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1227722	Soil	15	0.20	104	0.011	<1	0.92	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1227723	Soil	20	0.31	157	0.024	<1	1.07	0.006	0.03	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1227724	Soil	17	0.31	146	0.019	1	0.94	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
BLANK (1225648)	Soil	20	0.44	276	0.015	1	1.15	0.009	0.06	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2

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QUALITY CONTROL REPORT WHI11001419.1

	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																					
1225504	Soil	0.5	27.2	17.5	46	0.1	36.4	10.3	493	2.50	7.4	3.3	10.2	26	0.2	0.9	0.2	11	0.34	0.052	43
REP 1225504	QC	0.6	26.8	17.7	48	<0.1	35.5	10.5	475	2.49	7.8	1.0	10.5	26	0.1	0.9	0.2	11	0.34	0.052	46
1225520	Soil	0.7	27.1	15.3	55	0.1	24.6	9.7	360	2.49	17.6	1.5	8.9	18	<0.1	1.2	0.2	18	0.23	0.041	26
REP 1225520	QC	0.6	27.1	15.4	57	0.1	24.8	9.7	360	2.52	17.6	3.1	9.1	19	0.2	1.1	0.2	17	0.23	0.041	26
1225526	Soil	0.5	15.0	13.8	46	<0.1	17.6	8.4	316	2.06	17.0	1.2	5.7	30	<0.1	0.7	0.2	20	0.44	0.027	18
REP 1225526	QC	0.6	14.7	13.9	44	<0.1	17.3	8.5	310	2.08	16.9	2.1	5.8	31	<0.1	0.6	0.2	20	0.42	0.026	18
1225567	Soil	1.2	35.2	22.0	71	<0.1	28.9	12.9	231	3.15	8.5	1.3	12.6	8	<0.1	0.7	0.3	25	0.04	0.029	50
REP 1225567	QC	1.0	34.5	22.5	67	<0.1	29.1	13.0	233	3.12	8.2	2.7	12.6	8	<0.1	0.7	0.3	24	0.04	0.028	50
1225570	Soil	0.7	23.8	14.8	47	<0.1	17.4	6.1	165	2.57	11.0	2.5	10.2	8	<0.1	0.7	0.2	28	0.05	0.032	43
REP 1225570	QC	0.6	23.5	14.6	48	<0.1	16.7	6.3	166	2.58	11.0	13.7	9.9	8	<0.1	0.6	0.2	29	0.05	0.033	42
1225588	Soil	0.7	19.3	9.4	56	<0.1	18.1	7.3	248	1.98	10.3	3.5	3.8	13	0.2	0.8	0.1	30	0.15	0.056	17
REP 1225588	QC	0.7	20.1	9.4	57	<0.1	18.2	7.3	251	2.00	11.0	1.6	3.9	13	0.2	0.7	0.1	31	0.15	0.060	17
1225620	Soil	0.6	28.0	15.0	62	<0.1	30.0	11.6	231	2.79	6.1	1.6	12.2	10	<0.1	0.5	0.2	33	0.08	0.023	38
REP 1225620	QC	0.6	27.7	15.3	63	<0.1	29.3	11.6	234	2.78	6.1	1.7	12.2	10	<0.1	0.5	0.2	36	0.08	0.024	38
1225628	Soil	0.6	32.2	19.2	62	<0.1	27.8	10.3	322	2.47	15.8	9.4	11.6	16	0.1	1.2	0.2	21	0.21	0.051	34
REP 1225628	QC	0.5	32.0	18.9	63	<0.1	27.4	9.8	320	2.41	15.5	3.1	11.6	15	<0.1	1.1	0.2	20	0.20	0.053	33
1225642	Soil	0.8	29.8	20.4	59	0.2	24.4	9.6	326	2.22	18.7	3.3	6.2	172	0.2	0.7	0.2	25	6.54	0.031	13
REP 1225642	QC	0.6	29.5	20.5	62	0.3	23.2	9.2	332	2.35	18.1	4.4	6.9	165	0.1	0.8	0.2	25	6.35	0.031	17
1225662	Soil	0.9	30.2	16.5	64	0.1	28.5	11.5	458	2.80	11.1	1.3	5.0	34	0.1	0.9	0.2	40	0.53	0.059	20
REP 1225662	QC	1.0	29.6	15.9	61	0.1	27.6	11.0	458	2.83	10.4	1.4	5.0	32	0.1	0.9	0.2	40	0.50	0.056	19
1225668	Soil	0.6	28.6	18.7	58	0.1	27.4	10.7	408	2.53	8.4	2.7	6.6	26	<0.1	0.7	0.2	27	0.53	0.051	26
REP 1225668	QC	0.7	28.7	18.7	60	0.2	26.6	10.7	419	2.56	8.4	<0.5	6.8	26	<0.1	0.7	0.2	26	0.54	0.052	26
1225687	Soil	1.1	17.7	18.4	51	<0.1	16.9	8.0	209	2.93	10.6	3.4	7.9	10	<0.1	0.6	0.2	51	0.07	0.029	24
REP 1225687	QC	1.2	18.1	18.6	49	<0.1	16.9	8.1	208	2.99	10.5	4.1	8.0	10	<0.1	0.6	0.2	51	0.08	0.029	24
1225953	Soil	0.7	19.1	15.8	54	<0.1	18.7	7.3	213	2.13	12.9	1.4	5.8	10	0.1	3.5	0.2	22	0.09	0.032	22
REP 1225953	QC	0.7	19.0	16.1	54	<0.1	19.0	7.3	214	2.15	12.8	2.1	6.1	10	<0.1	3.6	0.2	24	0.09	0.033	22
1225983	Soil	1.0	24.8	17.6	58	<0.1	24.0	9.3	234	2.53	11.4	2.4	7.9	18	<0.1	0.9	0.2	42	0.22	0.018	21
REP 1225983	QC	0.9	23.7	17.3	55	<0.1	23.9	9.0	230	2.44	10.9	20.6	7.4	18	<0.1	0.9	0.2	42	0.21	0.017	22

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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
Pulp Duplicates																	
1225504	Soil	12	0.22	302	0.002	<1	0.64	0.005	0.05	<0.1	0.03	1.7	<0.1	<0.05	2	0.6	<0.2
REP 1225504	QC	11	0.23	292	0.002	<1	0.64	0.004	0.06	<0.1	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
1225520	Soil	14	0.31	159	0.010	<1	0.81	0.005	0.07	0.2	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
REP 1225520	QC	14	0.32	165	0.009	<1	0.78	0.011	0.07	0.2	0.02	2.2	<0.1	<0.05	2	0.5	<0.2
1225526	Soil	12	0.27	166	0.012	2	0.70	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
REP 1225526	QC	12	0.27	162	0.012	2	0.71	0.006	0.04	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1225567	Soil	16	0.26	115	0.013	<1	0.97	0.005	0.06	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1225567	QC	16	0.26	112	0.014	<1	0.92	0.005	0.05	<0.1	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
1225570	Soil	19	0.30	138	0.018	1	1.20	0.006	0.04	0.2	0.03	2.9	<0.1	<0.05	4	0.5	<0.2
REP 1225570	QC	18	0.30	139	0.016	<1	1.19	0.007	0.05	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1225588	Soil	18	0.38	135	0.035	<1	1.07	0.010	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
REP 1225588	QC	19	0.39	132	0.036	<1	1.06	0.008	0.04	0.3	0.02	2.7	<0.1	<0.05	3	0.5	<0.2
1225620	Soil	24	0.51	141	0.022	<1	1.63	0.007	0.06	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
REP 1225620	QC	25	0.53	140	0.024	<1	1.69	0.007	0.06	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1225628	Soil	16	0.31	160	0.016	1	0.89	0.005	0.07	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
REP 1225628	QC	15	0.30	156	0.016	<1	0.85	0.005	0.08	0.2	0.04	2.2	<0.1	<0.05	2	<0.5	<0.2
1225642	Soil	18	0.53	270	0.020	2	1.02	0.011	0.05	0.2	0.03	2.1	<0.1	<0.05	3	0.7	<0.2
REP 1225642	QC	17	0.55	264	0.023	<1	1.04	0.011	0.06	0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1225662	Soil	27	0.49	348	0.022	<1	1.39	0.010	0.04	0.2	0.07	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 1225662	QC	27	0.49	335	0.019	2	1.39	0.010	0.04	0.2	0.05	3.6	<0.1	<0.05	4	0.9	<0.2
1225668	Soil	21	0.36	229	0.015	1	1.07	0.008	0.04	0.1	0.07	2.8	<0.1	<0.05	3	<0.5	<0.2
REP 1225668	QC	21	0.37	229	0.013	<1	1.07	0.007	0.04	0.1	0.08	2.8	<0.1	<0.05	3	<0.5	<0.2
1225687	Soil	31	0.36	183	0.036	1	1.67	0.008	0.05	0.2	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
REP 1225687	QC	30	0.35	182	0.037	<1	1.66	0.007	0.06	0.2	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2
1225953	Soil	19	0.25	86	0.019	<1	0.91	0.005	0.08	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1225953	QC	19	0.25	88	0.020	<1	0.93	0.007	0.08	0.3	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1225983	Soil	26	0.43	236	0.024	1	1.48	0.010	0.04	0.2	0.04	3.9	<0.1	<0.05	4	0.6	<0.2
REP 1225983	QC	27	0.39	231	0.026	2	1.32	0.006	0.04	0.2	0.03	3.9	<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: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001419.1

		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
1227652	Soil	1.0	19.2	14.2	51	<0.1	19.1	8.3	190	2.53	9.1	2.9	5.8	9	0.1	0.7	0.2	40	0.06	0.035	23
REP 1227652	QC	0.9	19.9	14.6	51	<0.1	19.8	8.2	197	2.50	9.4	5.7	6.2	9	<0.1	0.6	0.2	41	0.06	0.033	22
1227663	Soil	0.9	10.9	13.4	37	<0.1	11.0	4.0	121	2.52	12.6	6.3	4.4	5	<0.1	0.6	0.2	39	0.03	0.018	13
REP 1227663	QC	0.9	10.9	13.2	38	<0.1	10.6	4.0	116	2.39	12.4	4.6	4.1	5	<0.1	0.6	0.2	40	0.04	0.017	14
1227683	Soil	0.9	22.8	16.7	63	<0.1	19.5	8.4	238	2.51	9.7	2.1	7.9	13	<0.1	3.6	0.3	28	0.14	0.019	26
REP 1227683	QC	0.8	23.8	16.4	62	0.1	20.0	8.6	245	2.64	9.7	4.5	7.9	12	<0.1	3.4	0.3	27	0.14	0.016	25
1227700	Soil	0.8	37.0	20.7	107	0.3	30.6	9.6	347	2.49	22.0	5.6	7.3	40	0.5	2.3	0.3	33	0.54	0.073	22
REP 1227700	QC	0.8	34.9	19.7	103	0.3	29.8	9.5	333	2.40	21.5	4.0	6.8	38	0.4	2.2	0.3	32	0.50	0.072	21
1227717	Soil	1.2	21.0	15.4	63	<0.1	22.7	8.7	217	3.13	12.3	3.5	5.5	12	<0.1	0.8	0.2	54	0.09	0.021	15
REP 1227717	QC	1.0	20.6	15.1	62	<0.1	22.5	8.6	215	3.05	12.0	3.1	5.4	12	<0.1	0.9	0.2	53	0.09	0.022	15
Reference Materials																					
STD DS8	Standard	12.7	105.8	119.8	292	1.7	37.8	7.6	575	2.30	22.7	107.0	7.0	63	2.2	5.5	6.7	44	0.67	0.073	15
STD DS8	Standard	13.2	106.3	119.4	291	1.8	37.4	7.7	605	2.39	25.0	110.3	6.8	66	2.4	5.9	6.5	45	0.70	0.086	16
STD DS8	Standard	12.3	107.0	125.3	309	1.9	37.4	7.3	612	2.45	25.6	114.0	6.9	76	2.2	6.1	6.9	40	0.68	0.080	15
STD DS8	Standard	13.4	110.0	126.5	316	1.8	38.2	7.5	622	2.44	25.0	122.3	7.2	66	2.2	5.7	6.7	44	0.70	0.080	15
STD DS8	Standard	12.2	99.5	122.3	288	1.7	34.1	6.9	581	2.31	24.2	107.5	6.5	67	2.4	4.9	5.8	40	0.66	0.069	14
STD DS8	Standard	13.8	109.9	127.6	311	1.8	39.0	7.6	612	2.51	23.5	105.0	6.9	67	2.3	5.4	6.3	43	0.71	0.080	17
STD DS8	Standard	12.5	99.0	117.1	293	1.7	33.5	6.6	573	2.26	23.4	103.8	6.5	66	2.1	5.3	5.7	40	0.65	0.072	14
STD DS8	Standard	13.1	115.0	122.1	319	1.9	38.9	7.9	627	2.54	25.4	110.8	6.7	75	2.5	5.5	6.7	45	0.69	0.081	14
STD DS8	Standard	12.1	102.7	121.1	292	1.9	35.8	7.2	568	2.34	24.6	94.2	6.4	63	2.2	5.2	5.9	38	0.65	0.078	14
STD DS8	Standard	12.8	102.7	122.2	292	1.8	36.3	6.9	583	2.57	22.7	111.1	7.1	61	2.2	4.8	6.0	40	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	<0.01	<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: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001419.1

		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
1227652	Soil	24	0.36	134	0.023	1	1.38	0.005	0.05	0.2	0.04	2.3	<0.1	<0.05	4	0.5	<0.2
REP 1227652	QC	26	0.34	131	0.025	1	1.35	0.006	0.04	0.2	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1227663	Soil	22	0.30	55	0.021	<1	1.21	0.004	0.02	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
REP 1227663	QC	22	0.30	56	0.025	<1	1.23	0.005	0.03	0.2	0.03	1.8	<0.1	<0.05	4	0.6	<0.2
1227683	Soil	17	0.33	168	0.012	<1	1.18	0.005	0.08	0.1	0.03	2.2	0.1	<0.05	3	<0.5	<0.2
REP 1227683	QC	17	0.32	170	0.010	<1	1.15	0.005	0.07	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1227700	Soil	25	0.53	221	0.021	2	1.29	0.009	0.10	0.3	0.06	2.9	0.1	<0.05	4	0.7	<0.2
REP 1227700	QC	24	0.50	204	0.020	2	1.23	0.010	0.09	0.2	0.09	2.8	0.1	<0.05	3	0.8	<0.2
1227717	Soil	34	0.46	185	0.023	1	2.02	0.005	0.06	0.2	0.02	2.7	0.1	<0.05	5	0.7	<0.2
REP 1227717	QC	34	0.45	179	0.025	<1	1.97	0.005	0.06	0.2	0.03	2.6	0.1	<0.05	5	0.5	<0.2
Reference Materials																	
STD DS8	Standard	113	0.58	270	0.118	3	0.93	0.095	0.41	3.0	0.19	2.3	5.3	0.18	5	4.7	4.6
STD DS8	Standard	118	0.62	274	0.123	3	0.94	0.099	0.44	3.0	0.18	2.6	5.1	0.18	5	4.6	5.0
STD DS8	Standard	113	0.61	286	0.121	2	0.99	0.101	0.47	2.9	0.20	3.2	5.6	0.17	5	5.2	5.2
STD DS8	Standard	119	0.62	279	0.121	3	0.92	0.091	0.42	3.0	0.19	2.6	5.6	0.14	5	5.0	4.8
STD DS8	Standard	107	0.58	273	0.110	2	0.94	0.106	0.43	2.7	0.18	3.0	5.2	0.06	4	4.8	5.0
STD DS8	Standard	119	0.63	284	0.119	2	1.00	0.103	0.43	2.9	0.20	2.7	5.4	0.15	5	5.0	5.1
STD DS8	Standard	106	0.57	260	0.110	3	0.89	0.110	0.42	2.9	0.19	3.3	5.1	0.11	4	3.8	4.3
STD DS8	Standard	123	0.63	293	0.128	3	0.99	0.104	0.48	3.0	0.19	3.0	5.3	0.12	5	5.4	5.2
STD DS8	Standard	109	0.60	273	0.107	2	0.91	0.106	0.42	2.8	0.21	2.4	5.2	0.15	5	5.0	4.4
STD DS8	Standard	112	0.61	269	0.113	3	0.87	0.086	0.40	2.8	0.18	2.1	5.3	0.15	4	5.0	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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Project: MQ+SEA
Report Date: November 11, 2011

QUALITY CONTROL REPORT WHI11001419.1

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

CERTIFICATE OF ANALYSIS WHI11001420.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

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

ADDITIONAL COMMENTS

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

CC: Don Christie
Daithi Mac Gearailt

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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: MQ+SEA
Report Date: November 09, 2011

CERTIFICATE OF ANALYSIS WHI11001420.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1227725	Soil		0.8	25.5	11.6	51	<0.1	19.6	7.4	150	2.16	12.5	9.6	4.6	8	<0.1	1.2	0.2	33	0.09	0.043	17
1227726	Soil		1.0	32.5	19.3	64	<0.1	22.7	9.6	260	2.69	17.3	3.1	9.9	7	<0.1	3.6	0.3	29	0.04	0.025	33
1227727	Soil		0.8	27.3	13.9	67	0.1	25.0	9.7	286	2.45	15.3	3.2	7.3	16	<0.1	2.5	0.2	30	0.18	0.056	28
1227728	Soil		0.8	38.0	20.9	70	<0.1	29.8	13.4	386	3.09	21.6	4.1	11.4	7	0.1	3.2	0.3	29	0.04	0.033	37
1227729	Soil		0.7	44.2	22.3	90	<0.1	41.4	17.3	391	4.38	18.8	4.4	18.3	6	<0.1	6.2	0.3	27	0.03	0.025	52
1227730	Soil		1.2	19.6	15.2	51	<0.1	18.0	7.7	228	2.78	11.2	2.5	5.6	12	<0.1	0.6	0.2	69	0.10	0.019	19
1227731	Soil		0.9	26.8	16.1	57	0.1	25.0	10.8	229	2.88	13.2	3.1	7.8	7	<0.1	0.8	0.2	44	0.05	0.025	20
1227732	Soil		0.8	25.3	16.7	53	<0.1	23.5	10.7	245	2.68	10.8	3.3	8.0	8	<0.1	1.1	0.2	37	0.05	0.021	30
1227733	Soil		0.6	27.2	15.3	58	<0.1	22.7	8.4	230	2.53	17.9	3.5	11.2	7	<0.1	2.4	0.2	26	0.04	0.021	40
1227734	Soil		1.0	14.1	13.7	52	<0.1	19.7	8.7	152	2.50	14.9	15.5	3.8	6	0.2	0.9	0.2	43	0.06	0.054	11
1227735	Soil		1.1	22.1	17.9	62	<0.1	23.3	10.2	246	2.87	12.8	3.1	7.3	8	0.1	0.8	0.2	53	0.06	0.018	24
1227736	Soil		0.9	28.8	17.2	62	<0.1	24.8	10.7	242	2.84	10.2	2.8	9.2	8	<0.1	0.8	0.2	45	0.05	0.019	30
1227737	Soil		0.7	29.8	18.3	53	<0.1	27.9	9.3	159	2.57	10.2	4.9	10.7	6	<0.1	0.9	0.2	29	0.03	0.017	30
1227738	Soil		0.8	52.4	18.1	73	<0.1	40.3	20.0	418	3.97	10.5	3.5	15.1	7	<0.1	1.1	0.3	41	0.04	0.027	55
1227739	Soil		0.8	36.7	18.9	75	<0.1	32.1	13.1	218	3.29	8.2	2.4	17.4	7	<0.1	0.6	0.3	19	0.03	0.025	52
1227740	Soil		0.8	31.4	20.0	54	<0.1	19.6	10.0	150	3.01	5.5	12.8	17.7	8	<0.1	1.6	0.3	20	0.02	0.026	52
1227741	Soil		0.9	32.7	24.5	71	<0.1	28.5	12.8	221	3.25	5.5	2.1	19.5	8	<0.1	2.0	0.3	18	0.02	0.028	57
1227742	Soil		1.0	26.2	16.8	58	<0.1	23.7	11.5	216	2.72	9.4	3.4	10.5	9	<0.1	1.8	0.2	35	0.05	0.021	31
1227743	Soil		0.9	26.1	11.8	55	<0.1	21.4	8.1	197	2.40	9.6	2.5	7.4	9	<0.1	0.9	0.2	36	0.07	0.017	25
1227744	Soil		0.8	17.8	12.1	42	<0.1	15.2	5.5	147	2.01	9.5	2.4	4.9	15	<0.1	0.8	0.2	36	0.19	0.036	20
1227745	Soil		1.5	57.5	28.5	78	<0.1	133.9	29.6	928	4.78	13.7	3.6	14.2	51	<0.1	2.0	0.3	85	1.14	0.077	44
1227746	Soil		1.7	41.4	19.8	57	<0.1	35.9	17.8	376	3.71	8.4	2.8	9.5	8	0.2	0.7	0.3	69	0.07	0.029	29
1227747	Soil		1.4	32.4	11.4	79	<0.1	26.0	10.4	346	2.58	11.7	4.3	6.8	16	<0.1	1.2	0.2	41	0.17	0.059	20
1227748	Soil		0.7	23.9	8.7	49	<0.1	19.9	8.7	238	2.19	6.1	3.8	7.1	8	<0.1	0.6	0.2	31	0.08	0.029	27
1227749	Soil		0.8	23.5	14.1	48	<0.1	19.6	7.5	246	2.15	9.9	2.8	4.7	13	0.2	1.0	0.2	38	0.14	0.031	20
1227750	Soil		0.9	15.5	13.4	40	<0.1	14.8	6.1	144	2.08	9.7	1.9	5.8	8	<0.1	0.7	0.2	43	0.07	0.029	19
1227751	Soil		0.7	16.1	13.1	43	<0.1	18.7	7.1	135	2.06	10.9	1.1	5.3	10	<0.1	1.1	0.1	34	0.11	0.021	16
1227752	Soil		0.8	16.0	14.5	51	<0.1	20.0	8.0	177	2.87	4.6	1.0	10.8	17	<0.1	0.4	0.2	29	0.22	0.026	37
1227753	Soil		0.5	31.8	21.6	62	<0.1	30.4	16.1	565	2.98	7.5	3.4	13.5	26	<0.1	1.0	0.2	17	0.37	0.032	36
1227754	Soil		0.7	37.3	39.1	67	0.1	31.3	14.3	494	3.01	31.0	8.2	9.6	39	0.9	2.1	0.3	18	0.67	0.044	26

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

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

CERTIFICATE OF ANALYSIS WHI11001420.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1227725	Soil		20	0.35	133	0.027	1	1.09	0.004	0.03	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1227726	Soil		20	0.38	122	0.022	1	1.20	0.004	0.04	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1227727	Soil		20	0.40	223	0.028	2	1.02	0.006	0.05	0.4	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1227728	Soil		21	0.39	116	0.023	1	1.22	0.004	0.05	0.3	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
1227729	Soil		28	0.71	93	0.012	<1	2.04	0.005	0.04	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1227730	Soil		34	0.46	241	0.063	1	1.99	0.007	0.04	0.2	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
1227731	Soil		28	0.38	127	0.030	1	1.61	0.003	0.04	0.2	0.03	2.8	<0.1	<0.05	4	0.6	<0.2
1227732	Soil		23	0.35	158	0.026	1	1.45	0.004	0.03	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1227733	Soil		19	0.33	91	0.022	<1	1.08	0.004	0.06	0.4	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1227734	Soil		22	0.28	87	0.030	2	1.35	0.004	0.03	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1227735	Soil		30	0.43	176	0.043	1	1.85	0.005	0.04	0.2	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
1227736	Soil		27	0.39	175	0.034	1	1.53	0.005	0.04	0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
1227737	Soil		18	0.22	120	0.016	<1	1.18	0.003	0.03	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1227738	Soil		34	0.66	158	0.013	<1	1.64	0.005	0.04	0.1	0.03	4.1	<0.1	<0.05	5	0.5	<0.2
1227739	Soil		12	0.14	92	0.011	<1	0.62	0.006	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1227740	Soil		12	0.11	72	0.010	<1	0.67	0.004	0.05	<0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1227741	Soil		12	0.13	92	0.007	<1	0.61	0.004	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1227742	Soil		21	0.34	155	0.022	<1	1.30	0.005	0.04	0.2	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
1227743	Soil		21	0.36	204	0.029	<1	1.20	0.005	0.04	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1227744	Soil		20	0.29	189	0.023	1	1.09	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1227745	Soil		168	2.12	227	0.020	<1	2.70	0.005	0.07	<0.1	0.03	10.7	<0.1	<0.05	8	<0.5	<0.2
1227746	Soil		41	0.73	242	0.026	1	2.92	0.006	0.04	0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1227747	Soil		22	0.43	346	0.038	2	1.27	0.006	0.04	0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1227748	Soil		19	0.40	177	0.024	<1	1.15	0.004	0.04	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1227749	Soil		23	0.38	270	0.034	1	1.20	0.008	0.04	0.2	0.02	2.5	<0.1	<0.05	3	0.6	<0.2
1227750	Soil		20	0.30	163	0.029	1	1.25	0.004	0.03	0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1227751	Soil		18	0.30	151	0.016	<1	1.07	0.003	0.05	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1227752	Soil		15	0.31	148	0.007	<1	1.16	0.003	0.07	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1227753	Soil		14	0.26	210	0.005	<1	0.86	0.004	0.07	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1227754	Soil		14	0.26	177	0.007	2	0.84	0.016	0.08	0.1	0.03	2.1	<0.1	0.07	2	0.6	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1227755	Soil	0.7	29.6	29.3	67	0.1	26.9	10.5	321	2.56	13.9	3.9	8.6	33	0.6	1.3	0.2	23	0.54	0.047	26
1227756	Soil	0.5	26.9	18.0	63	<0.1	23.7	10.2	308	2.72	12.3	10.8	13.0	23	<0.1	1.5	0.2	20	0.34	0.050	36
1227757	Soil	0.8	27.2	15.5	53	0.1	23.9	9.4	371	2.37	15.6	3.5	6.7	28	0.1	1.1	0.2	37	0.42	0.053	22
1227758	Soil	0.7	42.7	23.3	71	0.1	31.5	14.3	523	3.13	14.1	3.0	12.8	27	0.1	0.9	0.3	25	0.32	0.043	33
1227759	Soil	0.7	24.4	16.7	45	0.1	21.4	8.3	289	2.00	10.4	2.6	4.5	51	0.3	0.9	0.2	26	0.92	0.054	15
1227760	Soil	0.9	23.3	12.6	50	0.1	20.7	9.2	390	2.14	12.4	3.0	5.0	24	<0.1	0.7	0.2	33	0.37	0.061	16
1227761	Soil	0.6	27.0	10.7	45	0.1	23.3	7.5	393	1.89	10.1	3.8	3.5	37	0.3	0.9	0.2	34	0.53	0.062	14
1227762	Soil	0.8	26.3	15.6	63	0.3	24.8	9.8	309	2.57	809.9	98.2	8.2	23	0.2	3.4	0.3	17	0.25	0.042	25
1227763	Soil	0.9	38.4	16.1	58	0.2	32.3	11.6	491	2.66	24.5	3.6	3.9	43	0.4	1.6	0.2	23	0.63	0.058	16
1227764	Soil	0.3	16.1	9.3	38	0.1	12.3	6.1	215	1.08	5.7	4.8	3.7	25	0.1	0.7	0.2	21	0.37	0.053	14
1227765	Soil	1.2	35.6	16.5	66	0.2	27.4	10.6	428	2.75	15.4	1.9	5.7	27	0.2	1.0	0.3	21	0.41	0.045	19
1227766	Soil	1.8	19.3	17.9	63	<0.1	22.5	8.2	231	2.98	39.6	10.5	5.6	9	0.2	2.3	0.3	27	0.10	0.025	17
1227767	Soil	1.0	22.4	12.4	52	<0.1	18.6	6.7	251	2.57	9.1	7.5	4.6	13	0.1	0.7	0.2	35	0.11	0.030	19
1227768	Soil	0.9	10.1	11.8	38	<0.1	12.3	4.7	136	2.45	9.3	4.4	2.8	8	<0.1	0.6	0.2	27	0.06	0.024	16
1227769	Soil	1.3	31.8	9.1	49	0.3	15.8	4.0	162	2.17	11.0	0.7	0.9	11	0.2	0.8	0.3	22	0.06	0.038	19
1227770	Soil	1.0	15.1	10.5	47	<0.1	14.3	5.0	155	2.30	9.6	1.2	0.9	9	0.1	0.6	0.2	26	0.10	0.051	16
1227771	Soil	1.1	20.3	9.8	37	0.1	12.6	4.1	137	1.77	5.5	3.5	0.4	9	0.1	0.6	0.2	24	0.07	0.042	21
1227772	Soil	1.3	29.8	9.8	56	0.2	18.2	7.7	224	2.22	10.3	3.1	4.0	15	0.2	0.7	0.2	29	0.15	0.041	20
1227773	Soil	1.7	30.1	14.1	67	0.2	18.1	8.0	294	2.74	14.2	2.4	3.8	11	0.2	0.8	0.2	29	0.08	0.049	20
1227774	Soil	1.2	18.8	13.3	47	0.2	14.9	5.5	199	3.48	15.0	2.1	4.5	8	<0.1	0.8	0.2	26	0.07	0.036	14
1227775	Soil	1.2	36.4	9.4	52	0.2	18.3	7.1	299	2.12	8.5	1.8	3.7	13	<0.1	0.6	0.2	23	0.10	0.028	21
1227776	Soil	1.6	60.9	12.4	63	<0.1	23.4	10.7	608	2.32	6.3	1.9	3.3	10	0.1	0.4	0.3	19	0.04	0.028	20
1227777	Soil	1.1	25.3	12.4	42	<0.1	13.7	6.3	218	2.29	9.3	6.6	3.6	9	0.1	0.6	0.2	35	0.06	0.029	19
1227778	Soil	1.0	14.8	12.7	43	0.1	12.5	5.5	162	2.46	11.2	4.8	3.9	7	0.1	0.7	0.2	39	0.04	0.026	15
1227779	Soil	1.9	19.5	11.1	54	<0.1	16.1	6.3	279	2.72	15.0	1.0	3.4	7	<0.1	1.0	0.2	28	0.05	0.032	14
1227780	Soil	2.2	23.4	15.5	72	<0.1	19.8	7.4	334	3.65	16.9	5.0	5.3	12	0.2	0.9	0.3	37	0.08	0.033	16
1227781	Soil	1.1	28.6	12.9	62	<0.1	22.2	10.1	285	2.64	13.4	1.9	4.1	8	0.2	0.8	0.2	16	0.07	0.039	15
1227782	Soil	1.0	46.8	11.0	57	<0.1	22.8	7.6	319	2.38	8.4	15.6	4.9	9	0.1	0.6	0.2	24	0.06	0.025	21
1227783	Soil	1.2	30.9	9.3	58	<0.1	21.0	7.6	316	2.19	7.3	1.9	4.5	16	0.1	0.7	0.2	27	0.12	0.024	20
1227784	Soil	1.0	25.3	9.7	55	<0.1	19.0	7.5	272	2.11	8.6	<0.5	2.9	13	<0.1	0.6	0.2	28	0.12	0.036	19

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CERTIFICATE OF ANALYSIS WHI11001420.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1227755	Soil		15	0.33	202	0.015	2	0.92	0.013	0.06	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1227756	Soil		16	0.34	155	0.011	<1	0.96	0.007	0.05	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1227757	Soil		20	0.34	283	0.030	1	1.13	0.008	0.05	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1227758	Soil		19	0.45	206	0.015	1	1.25	0.007	0.07	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1227759	Soil		16	0.31	258	0.020	2	1.00	0.011	0.05	0.2	0.03	2.0	<0.1	0.08	3	<0.5	<0.2
1227760	Soil		19	0.34	303	0.023	2	1.06	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	3	0.6	<0.2
1227761	Soil		16	0.32	330	0.018	3	0.86	0.007	0.04	0.3	0.02	2.0	<0.1	0.11	2	1.4	<0.2
1227762	Soil		13	0.22	214	0.009	2	0.62	0.005	0.06	0.2	0.05	1.7	<0.1	0.09	2	0.6	<0.2
1227763	Soil		18	0.36	348	0.013	1	1.09	0.007	0.04	0.3	0.03	2.0	<0.1	0.10	3	0.8	<0.2
1227764	Soil		12	0.27	162	0.019	1	0.63	0.007	0.03	0.2	0.02	1.2	<0.1	0.08	2	<0.5	<0.2
1227765	Soil		18	0.42	307	0.022	1	1.33	0.008	0.06	0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1227766	Soil		24	0.41	97	0.030	1	1.43	0.007	0.06	0.6	<0.01	1.9	0.1	<0.05	5	0.6	<0.2
1227767	Soil		26	0.41	224	0.039	1	1.58	0.006	0.04	0.2	0.04	3.1	0.2	<0.05	5	0.7	<0.2
1227768	Soil		22	0.31	114	0.037	2	1.33	0.004	0.03	0.1	0.02	1.8	0.1	<0.05	5	0.8	<0.2
1227769	Soil		21	0.31	116	0.019	2	1.10	0.005	0.04	0.2	0.02	1.2	0.3	<0.05	4	1.5	<0.2
1227770	Soil		23	0.33	99	0.021	2	1.36	0.005	0.04	0.2	0.02	1.3	0.2	<0.05	4	1.3	<0.2
1227771	Soil		19	0.29	143	0.026	<1	1.07	0.005	0.03	0.1	0.03	0.8	0.2	<0.05	4	0.8	<0.2
1227772	Soil		24	0.43	180	0.044	2	1.29	0.007	0.04	0.2	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
1227773	Soil		28	0.42	192	0.036	1	1.59	0.006	0.05	0.2	0.02	3.2	0.3	<0.05	5	0.8	<0.2
1227774	Soil		27	0.39	115	0.035	2	1.68	0.005	0.04	0.2	0.04	2.3	0.2	<0.05	4	0.5	<0.2
1227775	Soil		21	0.45	211	0.035	<1	1.28	0.006	0.04	0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
1227776	Soil		18	0.60	193	0.019	1	1.24	0.004	0.04	<0.1	<0.01	1.2	0.1	<0.05	4	<0.5	<0.2
1227777	Soil		24	0.34	134	0.040	2	1.50	0.004	0.04	0.1	0.03	2.4	0.2	<0.05	5	0.7	<0.2
1227778	Soil		22	0.31	95	0.035	<1	1.32	0.004	0.03	0.1	0.04	1.8	0.1	<0.05	5	1.8	<0.2
1227779	Soil		22	0.32	70	0.039	<1	1.24	0.004	0.05	0.2	0.03	1.7	0.1	<0.05	5	0.6	<0.2
1227780	Soil		35	0.47	149	0.047	1	2.07	0.006	0.06	0.2	0.03	2.5	0.2	<0.05	6	1.9	<0.2
1227781	Soil		23	0.37	171	0.031	1	1.61	0.006	0.05	0.1	0.02	2.2	0.1	<0.05	4	1.2	<0.2
1227782	Soil		22	0.47	310	0.033	1	1.36	0.008	0.04	0.1	0.03	2.2	<0.1	<0.05	4	0.9	<0.2
1227783	Soil		22	0.45	393	0.044	<1	1.18	0.007	0.04	0.2	0.01	2.2	<0.1	<0.05	4	0.6	<0.2
1227784	Soil		22	0.42	236	0.042	<1	1.30	0.006	0.04	0.2	<0.01	2.3	0.1	<0.05	4	0.7	<0.2

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

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

CERTIFICATE OF ANALYSIS WHI11001420.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1227785	Soil		0.8	21.3	9.4	55	<0.1	16.4	6.0	208	1.97	7.2	1.8	2.5	12	0.2	0.7	0.1	20	0.12	0.044	17
1227786	Soil		1.1	16.8	12.0	60	<0.1	15.0	7.4	284	2.31	12.0	<0.5	0.5	11	0.2	0.7	0.2	29	0.13	0.076	15
1227787	Soil		0.6	17.0	10.0	37	<0.1	10.1	3.4	106	1.70	8.1	1.7	0.5	9	0.1	0.6	0.2	20	0.09	0.079	16
1227788	Soil		1.6	41.1	11.4	63	0.2	19.2	7.6	287	2.42	16.9	5.8	3.1	11	<0.1	1.1	0.2	27	0.09	0.039	23
1227789	Soil		1.0	31.3	8.0	43	0.1	13.2	3.5	117	1.78	13.4	5.3	1.8	11	0.2	1.2	0.2	12	0.06	0.032	21
1227790	Soil		0.9	12.0	19.3	42	<0.1	10.2	3.6	108	2.12	10.3	2.3	0.4	11	0.5	0.4	0.2	31	0.11	0.063	13
1227791	Soil		0.9	26.3	10.5	63	0.1	20.8	8.7	387	2.13	9.6	5.0	4.5	17	0.1	0.7	0.1	22	0.19	0.060	21
1227792	Soil		1.0	17.5	11.6	49	<0.1	15.7	5.6	155	2.22	10.0	4.6	2.6	9	0.1	0.7	0.2	25	0.09	0.027	17
1227793	Soil		0.8	20.2	15.3	50	<0.1	21.5	8.6	319	2.32	10.0	3.8	4.2	13	<0.1	0.6	0.2	28	0.10	0.019	21
1227794	Soil		0.8	12.1	11.3	37	<0.1	9.4	3.0	87	1.81	8.3	<0.5	0.4	13	<0.1	0.4	0.2	23	0.10	0.087	15
1227795	Soil		0.6	17.6	13.7	44	<0.1	16.6	5.3	159	1.92	10.1	4.6	1.9	10	0.3	0.7	0.2	21	0.09	0.028	19
1227796	Soil		0.9	7.3	13.2	36	<0.1	12.9	5.7	188	2.83	11.3	2.9	4.0	9	<0.1	0.6	0.2	30	0.07	0.020	13
1227797	Soil		1.1	14.7	12.5	50	<0.1	17.0	6.7	189	2.69	15.6	2.3	3.9	7	<0.1	0.8	0.2	46	0.05	0.025	15
1227798	Soil		1.2	21.3	12.9	61	<0.1	19.3	9.7	285	2.83	14.6	5.3	5.6	8	<0.1	0.8	0.2	49	0.07	0.040	20
1228001	Soil		0.9	9.2	19.9	40	<0.1	16.5	7.4	218	2.15	9.7	11.2	3.9	14	<0.1	0.8	0.1	40	0.21	0.015	16
1228002	Soil		2.4	42.1	26.3	88	<0.1	37.6	17.5	545	3.83	8.7	2.6	19.6	24	<0.1	1.3	0.4	16	0.20	0.031	67
1228003	Soil		0.6	28.8	33.1	86	0.2	28.5	11.7	397	2.91	11.8	3.9	13.1	31	0.2	3.3	0.3	20	0.54	0.047	43
1228004	Soil		0.8	26.5	35.8	79	0.3	27.8	11.3	544	2.81	12.8	2.8	9.5	44	0.3	2.9	0.2	22	0.84	0.040	34
1228005	Soil		0.6	29.6	23.9	60	0.2	26.8	11.4	493	2.42	10.7	1.8	4.4	84	0.3	2.2	0.2	20	1.39	0.045	25
1228006	Soil		0.9	27.4	24.7	70	0.1	27.1	10.5	420	2.66	13.5	2.4	8.5	37	0.2	1.8	0.2	30	0.49	0.032	28
1228007	Soil		0.4	21.2	17.3	49	0.2	20.4	7.1	596	1.94	10.1	1.5	3.5	141	0.3	1.6	0.1	20	2.02	0.043	17
1228008	Soil		0.8	27.6	27.5	67	0.2	26.3	10.8	524	2.69	15.2	4.0	7.4	82	0.2	2.4	0.2	22	0.88	0.048	26
1228009	Soil		0.9	18.3	19.8	63	<0.1	27.1	11.5	625	2.48	19.0	1.0	8.4	22	0.1	1.7	0.1	26	0.32	0.056	26
1228010	Soil		0.8	29.0	23.7	61	0.2	25.7	10.0	414	2.55	14.8	2.9	7.1	46	0.2	1.7	0.2	27	0.63	0.051	26
1228011	Soil		0.7	27.9	32.6	74	0.2	26.2	9.2	235	2.58	17.3	1.4	8.6	38	0.3	1.2	0.2	22	0.55	0.037	24
1228012	Soil		0.5	19.7	14.6	60	0.2	18.6	8.0	354	2.11	14.5	2.0	3.9	76	0.3	1.0	0.1	24	1.25	0.060	17
1228013	Soil		0.8	31.0	19.9	70	0.2	26.7	9.5	459	2.46	34.6	3.8	3.4	81	0.4	1.0	0.2	22	1.34	0.054	15
1228014	Soil		0.5	19.7	13.3	52	0.2	21.1	6.1	1037	1.74	14.2	3.0	3.2	60	0.3	0.8	0.1	24	1.03	0.059	15
1228015	Soil		0.9	27.8	17.9	76	0.2	29.4	25.1	941	2.31	21.9	3.1	2.6	87	0.6	0.9	0.1	26	1.53	0.063	13
1228016	Soil		0.9	33.9	21.7	82	0.2	30.9	11.1	386	2.53	39.0	4.1	7.1	29	0.4	2.3	0.2	29	0.49	0.059	25

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1227785	Soil	19	0.38	167	0.034	<1	1.12	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	3	0.8	<0.2
1227786	Soil	24	0.33	132	0.021	<1	1.42	0.005	0.04	0.1	0.02	0.9	0.1	<0.05	5	1.4	<0.2
1227787	Soil	19	0.25	104	0.012	<1	1.05	0.004	0.03	0.2	<0.01	0.6	0.2	<0.05	4	1.3	<0.2
1227788	Soil	22	0.35	152	0.029	<1	1.18	0.005	0.04	0.4	<0.01	2.8	0.4	<0.05	4	1.5	<0.2
1227789	Soil	13	0.21	66	0.011	3	0.69	0.004	0.03	0.1	<0.01	0.9	0.6	<0.05	2	1.4	<0.2
1227790	Soil	23	0.30	98	0.013	1	1.29	0.008	0.04	<0.1	0.04	0.6	0.2	<0.05	4	1.0	<0.2
1227791	Soil	21	0.43	336	0.040	<1	1.17	0.007	0.04	0.2	0.03	2.8	<0.1	<0.05	3	1.0	<0.2
1227792	Soil	23	0.36	117	0.030	<1	1.39	0.004	0.03	0.2	0.01	1.5	0.1	<0.05	4	1.2	<0.2
1227793	Soil	26	0.48	200	0.041	<1	1.58	0.008	0.04	0.1	0.02	3.1	0.1	<0.05	5	0.9	<0.2
1227794	Soil	21	0.27	94	0.019	<1	1.23	0.004	0.04	0.1	0.03	0.7	0.1	<0.05	5	1.7	<0.2
1227795	Soil	23	0.36	98	0.030	<1	1.15	0.007	0.03	0.2	<0.01	1.4	0.1	<0.05	4	1.1	<0.2
1227796	Soil	28	0.36	111	0.034	<1	1.70	0.005	0.03	0.1	0.01	2.2	0.1	<0.05	5	1.3	<0.2
1227797	Soil	27	0.42	110	0.023	<1	1.49	0.004	0.04	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1227798	Soil	31	0.46	187	0.034	<1	1.70	0.007	0.05	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
1228001	Soil	21	0.29	133	0.021	<1	1.22	0.006	0.07	0.2	<0.01	1.6	0.1	<0.05	4	<0.5	<0.2
1228002	Soil	13	0.21	51	0.022	<1	0.49	0.005	0.05	<0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
1228003	Soil	14	0.25	126	0.013	<1	0.72	0.006	0.06	0.1	0.02	2.1	<0.1	<0.05	2	<0.5	<0.2
1228004	Soil	16	0.28	200	0.011	<1	0.86	0.007	0.08	0.1	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1228005	Soil	14	0.30	244	0.011	1	0.82	0.008	0.06	0.2	0.02	1.8	<0.1	0.06	2	<0.5	<0.2
1228006	Soil	18	0.35	334	0.018	<1	1.07	0.012	0.07	0.2	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1228007	Soil	13	0.34	268	0.010	1	0.78	0.010	0.05	0.1	0.04	1.6	<0.1	0.07	2	<0.5	<0.2
1228008	Soil	14	0.35	212	0.008	<1	0.81	0.007	0.05	0.1	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1228009	Soil	14	0.30	155	0.025	<1	0.65	0.006	0.05	0.6	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1228010	Soil	16	0.34	251	0.013	<1	0.97	0.008	0.05	0.2	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1228011	Soil	17	0.43	221	0.008	<1	1.12	0.006	0.07	0.2	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1228012	Soil	17	0.39	216	0.013	1	0.89	0.008	0.06	0.2	0.04	1.9	<0.1	0.09	3	<0.5	<0.2
1228013	Soil	18	0.42	222	0.009	<1	1.00	0.008	0.06	0.1	0.05	2.0	<0.1	0.08	3	<0.5	<0.2
1228014	Soil	16	0.35	275	0.015	1	0.87	0.009	0.05	0.2	0.04	1.8	<0.1	0.07	2	<0.5	<0.2
1228015	Soil	18	0.37	355	0.012	1	0.98	0.009	0.06	<0.1	0.04	1.8	<0.1	0.10	3	<0.5	<0.2
1228016	Soil	20	0.41	212	0.024	1	1.17	0.011	0.11	0.5	0.03	2.5	0.1	<0.05	3	<0.5	<0.2

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Report Date: November 09, 2011

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228017	Soil		0.6	30.2	16.5	68	0.2	24.6	7.7	146	1.77	12.6	2.3	4.4	54	0.4	1.0	0.2	27	0.81	0.055	17
1228018	Soil		0.6	25.1	15.5	70	0.2	21.3	8.4	328	2.07	21.1	1.7	4.4	52	0.3	0.8	0.2	26	0.91	0.056	20
1228019	Soil		0.4	17.9	12.5	72	0.2	18.6	6.9	324	1.85	15.8	2.3	3.9	58	0.3	0.7	0.1	25	0.90	0.058	19
1228020	Soil		1.1	20.6	12.6	63	<0.1	18.6	9.4	269	2.72	13.7	1.6	5.1	10	0.1	0.7	0.2	49	0.09	0.056	22
1228021	Soil		1.2	19.3	12.2	61	<0.1	17.7	6.8	232	2.60	12.1	2.7	2.0	12	0.1	0.8	0.2	55	0.11	0.056	20
1228022	Soil		1.1	24.7	9.4	63	<0.1	20.9	7.2	218	2.19	8.0	2.2	3.2	12	0.1	0.8	<0.1	44	0.11	0.025	21
1228023	Soil		1.0	26.2	9.3	49	<0.1	18.9	6.8	223	2.04	9.6	1.4	3.7	11	0.2	0.7	0.1	39	0.10	0.035	22
1228024	Soil		1.3	17.1	13.0	61	<0.1	19.2	9.3	289	2.79	15.3	3.1	4.1	10	0.2	0.8	0.2	50	0.07	0.042	20
1228025	Soil		1.2	21.5	10.8	49	<0.1	17.4	5.9	178	2.04	8.8	0.9	4.3	10	<0.1	1.1	0.2	37	0.06	0.031	27
1228026	Soil		0.7	24.6	9.0	73	<0.1	32.4	16.3	451	3.38	10.5	<0.5	4.8	13	0.1	0.5	<0.1	58	0.15	0.054	18
1228027	Soil		0.9	25.1	12.1	59	<0.1	32.7	11.9	250	2.71	17.2	3.1	5.0	9	0.1	0.8	0.1	40	0.09	0.030	17
1228028	Soil		1.1	25.8	14.7	61	<0.1	22.1	10.4	312	2.76	13.8	1.7	6.1	10	0.2	0.7	0.1	51	0.08	0.023	21
1228029	Soil		1.0	17.6	13.3	60	0.1	20.6	8.4	271	2.78	14.8	10.2	3.8	10	0.2	0.7	0.1	53	0.08	0.025	18
1228030	Soil		1.0	21.1	11.9	85	0.2	31.7	13.4	615	3.49	19.1	1.7	3.4	11	0.2	0.6	0.1	66	0.10	0.045	17
1228031	Soil		0.9	18.8	14.7	98	0.8	22.0	7.7	327	2.40	13.6	0.6	5.2	11	0.6	0.6	0.2	48	0.12	0.020	17
1228032	Soil		0.9	53.2	30.5	323	1.6	22.7	7.7	440	2.64	13.9	<0.5	6.4	10	1.4	0.6	0.4	44	0.09	0.019	22
1228033	Soil		0.9	21.4	17.6	72	0.4	25.1	8.4	259	2.72	47.7	4.8	8.2	10	0.3	0.7	0.2	34	0.06	0.024	28
1228034	Soil		0.9	30.3	17.1	80	0.4	29.2	10.0	320	2.79	20.6	4.6	9.3	10	0.2	0.9	0.2	46	0.07	0.015	26
1228035	Soil		1.0	24.5	16.2	65	0.2	22.2	8.4	286	2.48	11.1	2.9	7.0	9	0.1	0.8	0.2	36	0.05	0.020	19
1228036	Soil		0.8	31.1	14.0	61	0.2	21.9	8.4	229	2.45	16.0	7.9	6.7	7	0.1	1.0	0.2	38	0.04	0.017	18
1228037	Soil		1.3	16.0	15.1	95	0.2	23.0	9.7	254	2.77	14.8	1.8	5.7	8	0.2	0.8	0.2	50	0.05	0.039	13
1228038	Soil		0.9	13.9	21.8	114	0.4	19.6	9.6	231	3.04	14.3	1.1	8.2	10	0.5	0.4	0.3	39	0.06	0.055	22
1228039	Soil		0.8	18.5	27.9	80	0.3	20.1	11.5	603	2.87	13.6	1.1	2.8	17	0.3	0.4	0.2	55	0.19	0.040	13
1228040	Soil		0.9	17.8	20.6	69	0.2	22.2	9.0	293	2.75	13.4	3.8	4.3	12	0.2	0.6	0.3	51	0.10	0.021	13
1228041	Soil		0.9	22.5	13.9	64	<0.1	20.6	8.7	333	2.25	12.9	2.4	5.1	14	0.1	0.7	0.2	36	0.13	0.029	17
1228042	Soil		1.0	20.9	14.4	75	0.3	22.1	9.0	341	2.69	14.2	4.1	6.6	12	0.2	0.6	0.3	41	0.10	0.029	18
1228043	Soil		1.0	21.7	13.9	77	0.5	20.3	9.6	577	2.48	11.3	2.4	3.5	10	0.3	0.6	0.3	36	0.07	0.060	18
1228044	Soil		1.0	26.6	14.0	70	0.3	25.4	9.8	302	2.89	13.4	3.1	8.8	13	0.1	0.7	0.3	41	0.06	0.020	24
1228045	Soil		0.8	20.9	10.9	56	0.3	18.6	7.2	232	2.35	15.2	6.3	4.6	10	0.2	0.8	0.3	43	0.06	0.037	14
1228046	Soil		1.1	28.9	13.5	91	0.5	21.5	11.9	526	2.68	17.3	3.0	5.2	12	0.2	0.6	0.2	62	0.10	0.035	15

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

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

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228017	Soil		19	0.41	328	0.013	<1	1.02	0.009	0.06	0.1	0.06	2.2	<0.1	0.10	3	<0.5	<0.2
1228018	Soil		17	0.37	205	0.017	<1	0.93	0.008	0.06	0.3	0.05	2.1	<0.1	0.05	3	<0.5	<0.2
1228019	Soil		16	0.41	234	0.018	2	0.87	0.010	0.06	0.2	0.04	1.7	<0.1	0.06	2	<0.5	<0.2
1228020	Soil		30	0.46	173	0.038	<1	1.72	0.006	0.05	0.2	0.04	3.8	0.2	<0.05	4	<0.5	<0.2
1228021	Soil		30	0.42	186	0.030	<1	1.63	0.006	0.05	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
1228022	Soil		25	0.40	186	0.038	<1	1.25	0.007	0.04	0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1228023	Soil		24	0.37	133	0.034	<1	1.13	0.006	0.04	0.2	0.03	2.3	0.3	<0.05	3	<0.5	<0.2
1228024	Soil		29	0.42	174	0.039	<1	1.62	0.007	0.05	0.2	0.04	3.3	0.2	<0.05	5	<0.5	<0.2
1228025	Soil		24	0.31	142	0.026	<1	1.12	0.005	0.05	0.3	0.03	2.1	0.4	<0.05	4	<0.5	<0.2
1228026	Soil		34	1.04	213	0.089	<1	2.03	0.005	0.07	0.1	0.02	4.9	0.2	<0.05	7	<0.5	<0.2
1228027	Soil		30	0.46	165	0.029	<1	1.63	0.006	0.05	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1228028	Soil		32	0.49	200	0.046	<1	1.80	0.008	0.05	0.1	0.05	4.1	0.1	<0.05	5	<0.5	<0.2
1228029	Soil		35	0.52	162	0.042	<1	1.81	0.007	0.05	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
1228030	Soil		55	0.93	184	0.052	<1	2.19	0.006	0.06	0.1	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1228031	Soil		29	0.43	195	0.023	<1	1.66	0.005	0.05	0.1	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1228032	Soil		28	0.42	177	0.028	<1	1.73	0.008	0.06	0.1	0.03	2.7	0.3	<0.05	5	<0.5	<0.2
1228033	Soil		20	0.37	146	0.016	<1	1.34	0.004	0.07	0.1	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
1228034	Soil		29	0.44	210	0.035	<1	1.70	0.006	0.06	0.2	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
1228035	Soil		23	0.46	159	0.029	2	1.29	0.006	0.03	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1228036	Soil		25	0.41	152	0.033	<1	1.37	0.009	0.04	0.2	0.05	3.4	0.1	<0.05	4	<0.5	<0.2
1228037	Soil		28	0.44	181	0.032	<1	1.75	0.007	0.05	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1228038	Soil		20	0.28	189	0.010	<1	1.69	0.004	0.06	0.1	0.02	1.5	0.2	<0.05	5	<0.5	<0.2
1228039	Soil		46	0.60	315	0.033	<1	1.62	0.006	0.04	0.2	0.02	2.6	0.1	<0.05	6	0.7	<0.2
1228040	Soil		41	0.52	262	0.034	<1	1.70	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1228041	Soil		26	0.49	254	0.029	<1	1.18	0.006	0.04	0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1228042	Soil		29	0.52	180	0.023	<1	1.47	0.005	0.05	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1228043	Soil		23	0.46	178	0.017	<1	1.43	0.005	0.05	0.2	0.02	1.6	0.2	<0.05	4	<0.5	<0.2
1228044	Soil		30	0.53	206	0.029	<1	1.77	0.006	0.07	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1228045	Soil		23	0.43	153	0.024	1	1.35	0.005	0.05	0.2	0.02	2.0	0.2	<0.05	4	<0.5	<0.2
1228046	Soil		31	0.47	331	0.030	<1	1.93	0.007	0.06	0.2	0.02	3.2	0.2	<0.05	5	<0.5	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228047	Soil	1.3	20.7	15.4	52	0.6	17.3	6.0	199	2.26	15.2	2.4	1.9	18	0.1	1.6	0.5	48	0.09	0.035	14
1228048	Soil	0.9	8.5	14.0	56	0.2	14.4	6.3	223	2.26	10.5	2.3	3.5	18	0.1	0.4	0.3	54	0.15	0.053	13
1228049	Soil	1.0	14.9	11.9	45	0.3	14.5	7.7	370	1.94	9.5	0.7	1.8	18	0.3	0.6	0.3	42	0.13	0.045	13
1228050	Soil	1.3	19.4	21.6	56	0.6	17.4	6.4	216	2.38	12.7	1.5	0.6	13	0.2	1.0	0.2	43	0.06	0.035	12
1228051	Soil	1.2	14.7	12.2	48	0.4	11.1	4.7	183	1.53	6.2	7.0	0.5	10	0.3	0.7	0.3	38	0.06	0.048	13
1228052	Soil	1.2	26.4	14.8	70	0.2	21.7	8.6	240	2.95	11.5	3.6	5.5	14	0.1	1.3	0.3	62	0.08	0.027	14
1228053	Soil	1.4	19.4	17.4	54	0.1	16.7	6.1	182	2.22	10.1	2.8	1.1	14	0.1	1.0	0.3	43	0.09	0.038	15
1228054	Soil	1.0	24.4	11.2	49	0.2	16.2	5.9	210	1.98	10.3	0.9	0.5	13	0.4	0.6	0.2	41	0.10	0.048	13
1228055	Soil	1.0	22.8	12.4	59	0.4	19.4	9.6	243	2.60	11.0	3.7	3.1	14	0.1	0.6	0.4	63	0.13	0.023	11
1228056	Soil	1.2	14.9	11.4	51	0.6	10.6	5.6	173	2.31	8.9	1.2	2.3	8	0.2	0.5	0.3	59	0.09	0.045	9
1228057	Soil	0.8	12.7	10.9	47	0.2	11.4	5.3	159	2.04	8.0	11.9	1.0	10	0.6	0.5	0.3	55	0.10	0.047	10
1228058	Soil	1.2	19.4	11.2	54	0.2	17.3	5.7	182	2.07	9.3	12.8	0.4	17	0.4	0.8	0.2	45	0.13	0.048	14
1228059	Soil	1.2	20.6	11.6	52	0.1	17.1	6.4	192	2.10	9.3	2.0	5.3	13	0.1	0.9	0.2	40	0.10	0.024	16
1228060	Soil	1.2	12.2	10.5	37	<0.1	10.6	3.3	134	1.71	8.9	2.0	0.4	13	0.3	0.7	0.3	39	0.08	0.047	16
1228061	Soil	1.5	20.7	12.9	73	0.1	20.0	6.3	203	2.22	10.9	3.0	2.8	21	0.2	1.4	0.3	37	0.18	0.069	15
1228062	Soil	1.7	22.9	12.1	89	0.1	21.8	6.5	176	2.21	10.7	3.1	3.0	26	0.5	1.3	0.3	41	0.24	0.091	16
1228063	Soil	1.9	26.2	14.2	70	0.2	19.4	6.5	192	2.47	11.9	3.2	3.5	17	0.3	1.3	0.3	46	0.14	0.055	17
1228064	Soil	1.7	19.2	12.8	61	0.2	17.5	6.0	121	2.29	11.3	2.6	1.8	19	0.3	0.9	0.3	39	0.17	0.074	16
1228065	Soil	0.9	11.2	9.1	40	0.2	13.0	3.9	87	1.33	5.7	3.1	1.1	17	0.2	0.6	0.2	25	0.14	0.044	12
1228066	Soil	1.0	14.3	10.4	42	0.2	12.4	3.9	98	1.46	7.5	2.7	0.8	14	0.2	0.6	0.3	33	0.12	0.043	12
1228067	Soil	1.3	17.2	9.8	58	0.2	15.4	5.5	153	1.81	9.2	6.2	1.0	17	0.3	0.8	0.2	32	0.16	0.065	15
1228068	Soil	0.7	99.5	21.5	40	0.9	29.1	4.7	270	1.37	2.9	1.9	0.3	50	0.6	0.4	0.3	15	0.37	0.091	41
1228069	Soil	1.1	67.4	10.5	58	0.2	20.6	8.5	233	2.40	11.9	17.5	3.9	15	0.2	0.7	0.6	68	0.17	0.034	12
1228070	Soil	1.0	23.6	11.7	45	<0.1	17.8	7.4	180	2.19	11.3	3.0	4.5	10	<0.1	0.8	0.3	39	0.07	0.017	15
1228071	Soil	1.6	47.6	11.6	128	<0.1	33.9	9.7	243	2.60	12.0	4.3	3.6	11	0.2	4.6	0.3	18	0.11	0.026	12
1228072	Soil	0.7	26.0	9.4	38	0.3	12.8	3.6	100	1.32	5.5	2.7	0.5	17	0.2	0.3	0.3	8	0.14	0.050	12
1228073	Soil	0.9	23.1	8.1	40	0.3	15.4	4.7	132	1.45	5.3	4.8	1.2	14	0.1	0.3	0.2	10	0.13	0.043	13
1228074	Soil	1.1	31.1	10.0	48	0.2	15.9	8.0	453	1.79	6.3	2.0	0.4	19	0.2	0.3	0.2	13	0.14	0.044	15
1228075	Soil	1.6	41.0	15.2	75	0.5	29.9	9.8	139	1.89	8.9	5.3	3.1	31	0.4	0.9	0.5	14	0.25	0.059	16
1228076	Soil	1.1	26.9	9.1	63	0.1	20.5	6.8	183	2.11	9.3	6.0	3.2	19	0.2	0.8	0.2	10	0.22	0.059	17

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228047	Soil	22	0.32	275	0.020	<1	1.29	0.008	0.05	0.3	0.02	1.8	0.5	<0.05	4	0.6	<0.2
1228048	Soil	23	0.36	392	0.029	<1	1.29	0.006	0.05	0.3	0.01	1.7	0.3	<0.05	5	<0.5	<0.2
1228049	Soil	19	0.35	372	0.028	1	1.17	0.006	0.05	0.3	0.02	1.7	0.2	<0.05	4	<0.5	<0.2
1228050	Soil	22	0.41	191	0.020	<1	1.27	0.005	0.04	0.2	0.03	1.1	0.2	<0.05	4	0.7	<0.2
1228051	Soil	14	0.20	179	0.020	<1	0.85	0.006	0.03	0.3	0.02	0.8	0.2	<0.05	4	<0.5	<0.2
1228052	Soil	33	0.53	260	0.035	<1	1.85	0.007	0.04	0.3	0.03	2.7	0.5	<0.05	5	0.5	<0.2
1228053	Soil	24	0.42	186	0.024	1	1.28	0.006	0.04	0.3	0.03	1.5	0.5	<0.05	4	0.6	<0.2
1228054	Soil	20	0.36	253	0.020	<1	1.19	0.006	0.04	0.2	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
1228055	Soil	31	0.49	237	0.052	1	1.89	0.009	0.04	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
1228056	Soil	18	0.23	158	0.032	<1	1.29	0.009	0.03	0.3	0.02	1.4	0.2	<0.05	5	<0.5	<0.2
1228057	Soil	18	0.24	165	0.037	<1	1.24	0.006	0.03	0.2	0.02	1.2	0.1	<0.05	5	0.6	<0.2
1228058	Soil	23	0.39	301	0.022	<1	1.26	0.008	0.04	0.2	0.03	1.2	0.2	<0.05	4	<0.5	<0.2
1228059	Soil	23	0.41	198	0.036	<1	1.32	0.007	0.04	0.3	0.05	2.3	0.2	<0.05	4	<0.5	<0.2
1228060	Soil	16	0.24	211	0.020	<1	0.89	0.005	0.03	0.3	0.02	0.7	0.3	<0.05	4	<0.5	<0.2
1228061	Soil	21	0.39	357	0.022	<1	1.16	0.006	0.04	0.2	0.06	2.2	0.3	<0.05	3	<0.5	<0.2
1228062	Soil	22	0.43	296	0.039	<1	1.15	0.009	0.05	0.2	0.06	2.4	0.3	<0.05	3	<0.5	<0.2
1228063	Soil	25	0.39	350	0.027	<1	1.46	0.006	0.04	0.3	0.07	2.6	0.4	<0.05	4	0.8	<0.2
1228064	Soil	21	0.37	378	0.019	<1	1.23	0.008	0.04	0.3	0.08	1.9	0.4	<0.05	4	0.8	<0.2
1228065	Soil	16	0.29	272	0.015	<1	1.01	0.005	0.03	0.3	0.09	1.2	0.4	<0.05	3	<0.5	<0.2
1228066	Soil	17	0.28	208	0.015	<1	0.98	0.004	0.03	0.3	0.07	1.0	0.4	<0.05	3	0.7	<0.2
1228067	Soil	17	0.33	231	0.019	<1	0.98	0.010	0.03	0.3	0.06	1.3	0.2	<0.05	3	0.6	<0.2
1228068	Soil	14	0.19	579	0.008	<1	0.93	0.008	0.03	<0.1	0.06	0.8	0.2	0.05	2	0.9	<0.2
1228069	Soil	25	0.46	211	0.071	<1	1.70	0.012	0.07	0.3	0.03	3.2	0.3	<0.05	6	<0.5	<0.2
1228070	Soil	22	0.38	220	0.034	<1	1.29	0.006	0.03	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228071	Soil	25	0.39	227	0.041	3	1.53	0.050	0.05	0.2	0.03	1.9	0.1	0.05	4	0.8	<0.2
1228072	Soil	15	0.24	259	0.009	2	0.89	0.005	0.03	0.3	0.08	0.9	0.4	<0.05	3	1.2	<0.2
1228073	Soil	17	0.27	222	0.013	2	0.86	0.004	0.03	0.6	0.08	1.4	0.2	<0.05	3	1.6	<0.2
1228074	Soil	23	0.29	307	0.013	<1	1.00	0.005	0.04	0.2	0.04	0.9	0.2	<0.05	4	1.2	<0.2
1228075	Soil	23	0.35	524	0.017	2	1.28	0.006	0.04	0.2	0.06	2.6	0.2	<0.05	4	1.2	<0.2
1228076	Soil	20	0.37	412	0.022	1	1.09	0.009	0.03	0.2	0.05	2.1	<0.1	<0.05	3	1.3	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228077	Soil	0.8	9.8	10.7	29	0.1	7.1	2.9	146	1.55	9.4	1.5	0.4	11	0.2	0.4	0.2	16	0.09	0.037	12
1228078	Soil	1.2	20.1	10.1	51	0.1	14.4	5.8	197	2.26	9.7	3.3	2.6	11	<0.1	0.6	0.2	14	0.12	0.039	13
1228079	Soil	1.4	32.0	8.8	61	0.2	20.1	7.4	272	2.08	8.5	4.3	3.9	11	0.2	0.5	0.2	14	0.10	0.032	18
1228080	Soil	1.1	31.6	10.4	50	0.2	16.5	5.3	143	1.73	8.2	3.8	0.7	17	0.2	0.4	0.2	12	0.14	0.056	13
1228081	Soil	1.3	33.9	8.9	65	0.2	21.8	8.7	300	2.09	8.3	4.7	3.7	17	0.1	0.7	0.2	10	0.18	0.062	18
1228082	Soil	1.4	38.8	11.7	51	0.2	18.3	5.8	158	2.05	9.8	2.8	2.9	12	0.1	0.6	0.2	9	0.12	0.044	16
1228083	Soil	1.2	42.9	9.2	61	0.2	20.7	7.5	241	1.90	7.9	4.1	2.4	19	0.2	0.6	0.2	9	0.19	0.061	19
1228084	Soil	1.1	40.7	8.1	65	0.2	21.7	7.4	248	1.85	6.7	3.6	3.3	18	0.2	0.6	0.2	9	0.19	0.059	19
1228085	Soil	1.1	31.0	9.2	50	0.2	15.8	5.3	153	1.76	8.3	22.8	1.8	15	0.1	0.5	0.2	10	0.15	0.053	16
1228086	Soil	1.4	39.3	10.9	62	0.4	19.4	6.2	122	1.77	8.7	7.3	2.4	17	0.1	0.6	0.3	12	0.17	0.053	17
1228087	Soil	2.4	25.5	16.9	64	0.3	18.9	7.6	243	2.74	11.6	<0.5	1.6	16	0.2	0.5	0.3	12	0.16	0.061	14
1228088	Soil	1.6	28.8	14.0	56	0.2	17.6	7.9	195	1.93	8.3	2.8	2.3	15	0.1	0.4	0.3	11	0.16	0.054	14
1228089	Soil	1.7	32.2	11.3	77	0.3	27.2	11.3	393	1.97	8.5	3.2	2.5	22	0.3	0.6	0.3	12	0.25	0.057	16
1228090	Soil	2.0	29.6	14.3	71	0.3	21.8	22.1	995	2.33	10.0	12.7	2.2	16	0.1	0.5	0.3	14	0.19	0.058	15
1228091	Soil	1.3	23.3	11.9	61	0.2	18.2	8.1	162	1.52	6.7	5.2	2.6	15	0.2	0.4	0.2	11	0.17	0.048	14
1228092	Soil	1.1	27.0	9.2	62	0.2	19.8	7.8	245	1.76	10.9	4.7	3.2	22	0.3	0.8	0.2	9	0.33	0.062	15
1228093	Soil	1.4	35.4	11.1	74	0.2	26.6	8.1	334	2.10	14.8	6.9	4.3	23	0.4	0.9	0.2	10	0.42	0.062	15
1228094	Soil	1.1	29.1	10.4	61	0.2	22.3	7.9	314	1.88	12.9	4.6	4.2	19	0.2	0.9	0.2	10	0.34	0.056	15
1228095	Soil	1.9	31.9	9.6	80	0.2	26.7	8.0	283	2.20	12.3	12.3	4.5	26	0.3	1.0	0.2	13	0.39	0.075	14
1228096	Soil	1.2	15.4	9.0	67	0.2	17.2	8.2	541	1.71	9.7	4.4	1.9	37	0.6	0.7	0.2	12	0.72	0.073	11
1228097	Soil	1.1	23.8	8.3	62	0.2	20.0	6.7	385	1.54	7.3	3.9	2.3	21	0.3	0.5	0.2	12	0.33	0.060	13
1228098	Soil	2.1	34.4	12.8	117	0.3	32.7	11.9	639	2.25	14.2	6.9	3.9	27	0.7	0.9	0.3	19	0.51	0.076	14
1228099	Soil	1.4	23.5	11.0	75	0.2	19.0	5.9	136	1.72	16.6	6.4	3.9	20	0.4	0.8	0.2	8	0.32	0.076	14
1228100	Soil	1.5	33.4	12.7	103	0.3	29.9	10.3	509	2.33	18.5	5.6	4.2	29	0.6	1.2	0.2	10	0.55	0.082	15
1228501	Soil	0.6	18.2	12.3	48	<0.1	18.8	6.6	181	2.26	11.3	4.1	7.5	7	<0.1	0.8	0.2	7	0.06	0.015	25
1228502	Soil	0.8	17.1	13.7	51	0.1	17.4	6.6	196	2.03	11.1	40.6	7.8	10	<0.1	0.6	0.2	10	0.13	0.013	26
1228503	Soil	1.0	27.3	17.8	65	<0.1	28.3	10.2	193	2.82	12.5	8.5	9.0	10	<0.1	0.9	0.2	12	0.07	0.016	23
1228504	Soil	0.7	27.5	18.2	65	0.2	26.9	10.2	331	2.68	9.5	5.0	11.2	22	<0.1	1.0	0.3	7	0.47	0.036	33
1228505	Soil	0.6	25.7	23.7	67	<0.1	29.5	10.4	498	2.93	13.0	3.2	10.7	19	0.1	1.4	0.3	8	0.34	0.045	33
1228506	Soil	0.7	26.0	16.4	60	0.2	26.7	8.8	326	2.53	9.8	4.9	8.7	18	<0.1	0.9	0.2	7	0.35	0.033	28

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Project: MQ+SEA
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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228077	Soil	14	0.16	215	0.017	2	0.81	0.005	0.03	0.1	0.02	0.7	0.1	<0.05	4	<0.5	0.2
1228078	Soil	23	0.34	175	0.019	2	1.25	0.004	0.03	0.2	0.04	1.7	0.2	<0.05	4	0.5	<0.2
1228079	Soil	22	0.37	194	0.024	2	1.22	0.005	0.04	0.2	0.03	2.1	0.2	<0.05	4	0.6	<0.2
1228080	Soil	18	0.29	219	0.011	<1	1.04	0.005	0.03	0.2	0.04	1.3	0.2	<0.05	3	0.7	<0.2
1228081	Soil	18	0.40	301	0.022	<1	1.13	0.005	0.04	0.3	0.07	2.0	0.1	<0.05	3	0.7	<0.2
1228082	Soil	20	0.33	250	0.015	<1	1.20	0.004	0.03	0.2	0.05	1.9	0.1	<0.05	4	0.7	<0.2
1228083	Soil	20	0.38	363	0.022	2	1.18	0.006	0.04	0.2	0.06	2.2	0.1	<0.05	4	<0.5	<0.2
1228084	Soil	20	0.39	359	0.027	<1	1.20	0.007	0.04	0.2	0.06	2.3	0.1	<0.05	3	0.6	<0.2
1228085	Soil	19	0.33	210	0.018	2	1.07	0.005	0.03	0.2	0.05	1.4	0.1	<0.05	4	0.8	<0.2
1228086	Soil	19	0.33	241	0.015	2	1.09	0.005	0.03	0.2	0.06	2.1	0.2	<0.05	3	1.0	<0.2
1228087	Soil	21	0.36	235	0.015	1	1.16	0.005	0.03	0.3	0.05	1.7	0.2	<0.05	4	1.0	<0.2
1228088	Soil	18	0.33	230	0.019	<1	0.99	0.006	0.03	0.2	0.05	1.8	0.2	<0.05	3	1.1	<0.2
1228089	Soil	22	0.37	316	0.020	1	1.20	0.007	0.04	0.3	0.05	2.3	0.2	<0.05	4	1.0	<0.2
1228090	Soil	22	0.37	244	0.018	1	1.21	0.006	0.04	0.4	0.05	2.1	0.2	<0.05	3	1.0	<0.2
1228091	Soil	18	0.34	209	0.017	<1	1.04	0.006	0.03	0.4	0.05	1.9	0.2	<0.05	3	0.8	<0.2
1228092	Soil	20	0.35	250	0.023	1	0.90	0.007	0.04	0.3	0.05	2.3	<0.1	<0.05	3	0.8	<0.2
1228093	Soil	22	0.40	288	0.032	1	1.06	0.010	0.06	0.3	0.04	2.8	0.1	<0.05	3	1.0	<0.2
1228094	Soil	20	0.38	267	0.024	3	0.99	0.008	0.05	0.3	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1228095	Soil	25	0.42	230	0.038	2	1.03	0.013	0.07	0.2	0.05	3.0	0.1	<0.05	3	1.0	<0.2
1228096	Soil	20	0.37	245	0.022	2	0.92	0.011	0.04	0.3	0.04	1.9	<0.1	<0.05	3	0.8	<0.2
1228097	Soil	21	0.36	259	0.021	1	1.02	0.008	0.04	0.3	0.04	2.4	0.1	<0.05	3	<0.5	<0.2
1228098	Soil	26	0.46	225	0.032	<1	1.08	0.014	0.07	0.3	0.05	3.0	0.2	<0.05	3	1.6	<0.2
1228099	Soil	18	0.34	168	0.028	<1	0.82	0.008	0.05	0.2	0.04	1.9	0.1	<0.05	2	0.9	<0.2
1228100	Soil	20	0.42	244	0.031	1	0.95	0.012	0.07	0.3	0.04	2.5	0.1	<0.05	3	1.2	<0.2
1228501	Soil	17	0.28	114	0.013	1	1.00	0.004	0.04	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1228502	Soil	17	0.27	215	0.013	1	1.01	0.004	0.03	0.1	0.02	2.0	<0.1	<0.05	3	0.6	<0.2
1228503	Soil	24	0.36	162	0.012	<1	1.55	0.004	0.05	0.1	0.02	1.9	<0.1	<0.05	4	1.4	<0.2
1228504	Soil	18	0.29	237	0.007	<1	1.03	0.006	0.06	<0.1	0.06	2.2	<0.1	<0.05	3	1.1	<0.2
1228505	Soil	19	0.29	262	0.007	2	1.15	0.005	0.06	0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1228506	Soil	18	0.29	256	0.008	<1	1.05	0.006	0.05	0.1	0.05	2.6	<0.1	<0.05	3	0.8	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228507	Soil	0.6	20.7	14.6	58	<0.1	21.5	8.5	281	2.41	10.8	1.1	9.1	15	0.1	1.2	0.3	24	0.23	0.030	30
1228508	Soil	0.7	22.1	16.9	54	0.1	21.2	8.9	362	2.51	11.1	3.3	8.1	27	<0.1	1.0	0.2	28	0.37	0.024	27
1228509	Soil	0.7	17.5	16.5	49	<0.1	17.6	7.8	367	2.15	13.3	4.6	7.3	17	<0.1	1.1	0.2	29	0.22	0.019	22
1228510	Soil	0.7	26.7	23.4	64	0.2	24.8	9.5	405	2.57	21.7	7.6	9.5	33	0.2	1.5	0.3	22	0.61	0.039	29
1228511	Soil	0.7	28.0	22.4	65	0.1	26.5	9.8	393	2.70	18.1	3.4	10.5	29	0.1	1.3	0.3	22	0.50	0.041	28
1228512	Soil	0.9	30.4	17.2	62	0.2	26.0	9.1	399	2.65	16.2	25.5	5.5	30	<0.1	1.1	0.2	36	0.45	0.044	20
1228513	Soil	0.7	29.4	21.4	65	0.2	26.5	10.6	486	2.63	16.8	16.7	9.2	32	0.2	1.1	0.2	27	0.51	0.039	26
1228514	Soil	0.8	27.8	19.1	61	0.2	24.7	7.9	326	2.46	13.7	3.4	6.1	82	0.3	1.1	0.2	29	0.71	0.043	21
1228515	Soil	0.9	29.1	18.4	62	0.2	25.0	9.5	341	2.37	17.1	5.3	6.6	33	0.2	0.8	0.2	22	0.36	0.056	19
1228516	Soil	0.9	25.9	15.5	52	<0.1	20.1	8.2	370	2.22	15.2	4.0	5.2	22	0.1	0.9	0.2	31	0.36	0.042	16
1228517	Soil	0.9	17.5	16.8	52	0.1	16.9	8.2	331	2.27	16.1	3.7	5.1	25	0.2	0.8	0.2	34	0.37	0.041	15
1228518	Soil	0.7	16.3	17.9	53	<0.1	17.7	7.7	273	2.23	15.2	7.4	5.5	18	0.1	0.9	0.2	31	0.27	0.029	16
1228519	Soil	1.0	23.3	24.8	65	0.3	23.2	9.9	384	2.58	17.2	8.1	8.1	28	0.2	1.1	0.3	25	0.46	0.039	20
1228520	Soil	1.0	26.8	45.0	78	0.3	24.4	10.4	940	2.96	20.0	3.3	8.4	24	0.5	1.2	0.3	23	0.35	0.039	21
1228521	Soil	1.1	34.2	32.5	75	0.3	29.0	10.8	529	2.60	26.6	6.2	7.0	34	0.4	1.5	0.3	27	0.69	0.049	19
1228522	Soil	0.8	24.6	23.5	66	0.2	21.6	8.2	333	2.26	17.5	4.2	6.5	24	0.2	0.9	0.2	25	0.40	0.042	18
1228523	Soil	0.6	24.3	25.0	76	0.2	25.3	10.5	394	2.83	19.6	6.2	9.0	25	0.2	0.7	0.3	21	0.45	0.046	21
1228524	Soil	1.1	27.1	39.3	75	0.3	23.0	11.4	438	2.65	18.9	9.8	8.6	24	0.5	0.8	0.3	23	0.34	0.041	21
1228525	Soil	0.9	32.1	23.5	86	0.3	31.2	13.2	399	3.34	19.6	1.5	9.9	15	<0.1	0.6	0.3	19	0.21	0.048	20
1228526	Soil	0.8	34.5	28.5	78	0.2	29.9	12.7	357	3.11	17.6	11.1	12.0	20	0.1	0.7	0.3	18	0.21	0.030	23
1228527	Soil	0.9	31.6	18.9	70	<0.1	51.7	20.7	388	3.18	25.6	3.5	8.1	9	0.2	0.8	0.2	51	0.06	0.037	21
1228528	Soil	0.9	26.0	15.1	55	<0.1	23.6	11.1	296	2.67	13.9	3.2	7.5	10	<0.1	0.8	0.2	38	0.05	0.026	27
1228529	Soil	1.2	24.8	17.2	53	<0.1	19.0	8.2	217	2.87	8.8	1.9	8.1	8	<0.1	0.7	0.2	35	0.04	0.026	28
1228530	Soil	1.0	21.8	14.7	57	<0.1	19.4	8.8	306	2.73	14.0	5.0	6.6	8	<0.1	0.9	0.2	43	0.06	0.032	16
1228531	Soil	1.0	24.2	13.5	62	<0.1	22.3	9.5	285	2.69	13.0	1.8	5.6	8	0.2	0.8	0.2	44	0.06	0.026	18
1228532	Soil	0.8	20.9	13.0	51	<0.1	19.0	6.2	184	2.53	10.3	3.2	6.0	7	<0.1	0.7	0.2	44	0.06	0.018	20
1228533	Soil	0.8	25.2	15.1	56	<0.1	22.7	8.3	275	2.88	7.8	3.1	7.5	7	<0.1	0.7	0.2	37	0.04	0.025	24
1228534	Soil	0.8	16.5	13.5	40	<0.1	15.2	5.0	156	1.99	6.5	2.5	1.3	9	<0.1	0.3	0.2	32	0.06	0.067	25
1228535	Soil	1.0	31.4	16.2	60	<0.1	32.5	11.2	227	2.99	9.3	13.4	10.3	8	<0.1	0.5	0.3	36	0.03	0.027	33
1228536	Soil	0.9	32.3	17.9	66	<0.1	31.7	12.5	258	3.23	7.7	2.3	11.0	9	<0.1	0.5	0.2	34	0.04	0.030	40

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

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

CERTIFICATE OF ANALYSIS WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228507	Soil	19	0.34	194	0.016	1	1.06	0.007	0.07	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228508	Soil	21	0.33	313	0.012	<1	1.30	0.011	0.07	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228509	Soil	19	0.27	247	0.016	<1	1.07	0.006	0.05	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228510	Soil	16	0.25	256	0.009	1	0.91	0.007	0.06	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1228511	Soil	16	0.27	202	0.012	<1	0.93	0.005	0.06	0.2	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1228512	Soil	21	0.37	358	0.020	<1	1.21	0.008	0.05	0.3	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
1228513	Soil	18	0.29	280	0.018	<1	1.02	0.007	0.06	0.2	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1228514	Soil	18	0.35	316	0.016	<1	1.07	0.007	0.05	0.3	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1228515	Soil	14	0.29	266	0.016	<1	0.77	0.007	0.05	0.2	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1228516	Soil	19	0.32	267	0.025	<1	1.02	0.007	0.04	0.4	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1228517	Soil	19	0.32	270	0.023	<1	1.11	0.006	0.04	0.3	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228518	Soil	17	0.32	236	0.020	<1	1.01	0.007	0.05	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228519	Soil	17	0.29	208	0.016	<1	0.94	0.006	0.06	0.3	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228520	Soil	16	0.27	249	0.013	<1	0.96	0.007	0.06	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228521	Soil	18	0.36	281	0.022	<1	1.09	0.009	0.06	0.3	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1228522	Soil	17	0.34	210	0.017	<1	1.00	0.007	0.04	0.3	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228523	Soil	18	0.41	165	0.010	<1	1.23	0.006	0.05	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1228524	Soil	17	0.36	217	0.008	2	1.23	0.006	0.08	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1228525	Soil	19	0.53	109	0.007	<1	1.35	0.006	0.07	0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1228526	Soil	17	0.40	130	0.010	<1	1.12	0.006	0.07	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228527	Soil	95	0.68	139	0.024	<1	1.87	0.004	0.05	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1228528	Soil	28	0.39	178	0.031	<1	1.34	0.005	0.05	0.2	0.05	4.1	<0.1	<0.05	4	0.6	<0.2
1228529	Soil	28	0.40	121	0.020	<1	1.65	0.005	0.04	0.1	0.04	2.3	<0.1	<0.05	4	0.7	<0.2
1228530	Soil	31	0.41	117	0.036	<1	1.75	0.005	0.05	0.2	0.06	3.2	<0.1	<0.05	4	<0.5	<0.2
1228531	Soil	30	0.39	174	0.040	<1	1.54	0.008	0.05	0.2	0.05	3.8	0.1	<0.05	4	0.7	<0.2
1228532	Soil	29	0.34	142	0.033	<1	1.42	0.004	0.05	0.1	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1228533	Soil	27	0.28	127	0.021	<1	1.15	0.007	0.07	0.1	0.05	2.3	0.1	<0.05	3	<0.5	<0.2
1228534	Soil	28	0.32	116	0.013	<1	1.04	0.008	0.04	0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1228535	Soil	44	0.56	105	0.022	<1	1.49	0.006	0.05	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1228536	Soil	33	0.51	111	0.016	<1	1.46	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001420.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228537	Soil		1.1	35.1	18.4	68	<0.1	30.9	15.3	385	3.28	8.4	1.9	9.3	12	<0.1	0.7	0.3	44	0.07	0.026	34
1228538	Soil		0.8	27.8	13.2	56	<0.1	22.1	8.3	203	2.64	9.2	1.7	7.7	10	<0.1	0.6	0.2	40	0.06	0.019	25
1228539	Soil		1.1	20.7	14.4	49	0.1	17.8	7.4	209	2.45	9.2	2.3	7.7	8	<0.1	3.5	0.2	35	0.05	0.021	25
1228540	Soil		1.1	23.4	13.7	55	0.1	19.0	7.3	213	2.52	8.0	6.1	7.1	10	<0.1	1.1	0.2	43	0.06	0.018	26
1228541	Soil		0.7	24.0	10.5	47	<0.1	18.0	6.9	217	2.07	9.7	1.9	4.7	11	<0.1	0.8	0.2	39	0.09	0.031	17
1228542	Soil		0.7	15.9	10.1	48	<0.1	14.6	5.7	155	2.04	9.5	2.4	3.8	10	<0.1	0.7	0.2	39	0.09	0.032	15
1228543	Soil		0.8	20.9	12.3	50	<0.1	16.6	6.8	191	2.30	11.7	3.0	5.8	9	<0.1	1.1	0.2	43	0.06	0.019	16
1228544	Soil		0.7	16.8	9.2	42	<0.1	17.7	6.4	197	1.76	6.6	5.0	4.3	16	<0.1	1.0	0.1	29	0.15	0.041	17
1228545	Soil		0.7	22.3	10.8	48	0.1	20.0	7.8	196	1.93	7.6	1.7	5.0	26	0.1	1.1	0.2	27	0.25	0.052	21
1228546	Soil		0.7	21.9	10.3	45	0.2	21.6	9.3	314	1.78	7.5	3.3	4.3	34	<0.1	0.9	0.2	29	0.33	0.057	18
1228547	Soil		0.7	29.6	14.7	49	0.2	26.5	10.2	248	2.18	6.5	2.8	7.6	35	<0.1	0.8	0.3	25	0.31	0.047	28
1228548	Soil		0.8	28.0	17.8	51	0.2	21.5	10.7	366	2.51	7.5	7.9	7.8	39	<0.1	1.0	0.3	25	0.34	0.049	26
1228549	Soil		0.6	20.6	15.8	49	<0.1	17.7	8.4	195	2.23	8.8	10.4	7.0	29	<0.1	1.2	0.2	20	0.23	0.030	20
1228550	Soil		0.7	29.6	22.4	48	0.1	25.8	11.8	353	2.63	7.7	1.6	9.4	36	0.1	1.6	0.3	21	0.28	0.038	35
1228551	Soil		0.6	30.5	20.6	45	0.2	24.9	9.5	349	2.37	6.5	23.8	5.0	67	<0.1	1.2	0.3	22	0.57	0.065	23
1228552	Soil		0.7	28.6	21.2	50	0.1	19.8	9.9	260	2.61	6.5	1.4	10.8	32	<0.1	1.3	0.3	22	0.26	0.033	36
1228553	Soil		0.8	27.2	18.6	55	0.1	24.4	11.3	400	2.55	7.2	3.3	8.4	42	0.1	1.3	0.3	20	0.36	0.049	33
1228554	Soil		0.9	27.4	18.5	51	0.1	21.6	10.3	349	2.43	7.0	1.5	7.8	36	<0.1	1.0	0.3	23	0.30	0.046	32
1228555	Soil		0.9	29.6	17.8	60	0.1	23.5	9.8	313	2.70	9.8	3.1	9.3	25	<0.1	2.1	0.3	23	0.21	0.036	36
1228556	Soil		0.7	26.0	21.3	57	0.1	20.9	10.0	302	2.62	7.4	2.2	8.9	38	0.1	1.4	0.3	24	0.31	0.042	31
1228557	Soil		0.9	27.4	20.2	59	<0.1	22.2	8.5	245	2.70	9.3	2.2	8.5	40	<0.1	1.5	0.3	26	0.29	0.041	33
1228558	Soil		0.8	22.6	14.7	56	<0.1	21.5	8.8	244	2.46	8.3	2.5	6.2	21	0.1	1.1	0.3	27	0.18	0.047	30
1228559	Soil		0.8	21.3	14.8	46	<0.1	17.1	6.9	194	2.33	10.0	1.7	7.5	9	<0.1	0.7	0.2	39	0.06	0.016	25
1228560	Soil		0.8	28.1	12.2	59	<0.1	31.8	13.5	291	3.31	7.5	7.4	12.3	12	<0.1	0.9	0.3	29	0.07	0.027	46
1228561	Soil		1.2	28.1	16.1	60	<0.1	28.0	9.9	243	3.40	16.5	1.7	9.6	11	<0.1	1.0	0.3	42	0.09	0.036	26
1228562	Soil		0.6	28.4	16.4	63	<0.1	30.1	14.0	360	3.52	8.9	1.0	15.6	28	<0.1	2.1	0.3	30	0.28	0.029	50
1228563	Soil		0.6	32.4	21.2	54	0.1	28.7	13.3	413	3.16	8.3	21.6	14.4	34	<0.1	2.1	0.3	26	0.44	0.041	38
1228564	Soil		0.5	21.6	13.8	54	<0.1	23.0	10.0	262	2.49	7.8	0.9	13.0	34	<0.1	1.8	0.2	18	0.44	0.041	39
1228565	Soil		0.6	21.0	16.7	65	<0.1	25.6	9.2	254	3.00	7.1	1.4	13.8	19	<0.1	1.1	0.2	18	0.23	0.036	48
1228566	Soil		0.6	28.3	20.4	60	<0.1	28.5	10.2	282	2.95	8.1	2.1	14.6	34	<0.1	1.4	0.3	24	0.45	0.031	42

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228537	Soil	37	0.56	153	0.027	<1	1.68	0.008	0.05	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1228538	Soil	29	0.46	151	0.027	<1	1.47	0.006	0.05	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1228539	Soil	21	0.29	117	0.018	<1	1.18	0.004	0.06	0.2	0.03	2.0	0.2	<0.05	3	<0.5	<0.2
1228540	Soil	28	0.39	197	0.026	<1	1.39	0.005	0.06	0.2	0.03	3.1	0.1	<0.05	4	<0.5	<0.2
1228541	Soil	23	0.34	238	0.032	<1	1.08	0.007	0.05	0.2	0.04	3.5	<0.1	<0.05	3	<0.5	<0.2
1228542	Soil	23	0.35	183	0.029	<1	1.22	0.005	0.03	0.2	0.03	2.4	<0.1	<0.05	3	0.6	<0.2
1228543	Soil	24	0.40	190	0.033	2	1.37	0.007	0.05	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1228544	Soil	19	0.36	267	0.024	<1	0.88	0.007	0.04	0.3	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1228545	Soil	17	0.35	299	0.018	<1	0.89	0.008	0.04	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1228546	Soil	19	0.37	384	0.016	1	1.06	0.007	0.03	0.3	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
1228547	Soil	18	0.40	387	0.008	<1	1.15	0.007	0.04	0.1	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1228548	Soil	18	0.44	370	0.007	<1	1.19	0.007	0.04	0.1	0.04	1.9	<0.1	<0.05	3	0.8	<0.2
1228549	Soil	16	0.47	213	0.007	<1	1.10	0.006	0.04	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1228550	Soil	15	0.32	229	0.004	<1	0.97	0.007	0.04	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228551	Soil	17	0.39	344	0.005	<1	1.23	0.008	0.04	0.1	0.06	1.7	<0.1	0.07	3	1.0	<0.2
1228552	Soil	16	0.41	256	0.005	<1	1.08	0.007	0.04	0.1	0.03	1.5	<0.1	<0.05	3	0.7	<0.2
1228553	Soil	15	0.39	232	0.006	<1	0.97	0.007	0.04	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1228554	Soil	16	0.38	249	0.007	<1	0.99	0.007	0.05	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228555	Soil	17	0.40	185	0.011	<1	1.02	0.007	0.04	0.1	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1228556	Soil	17	0.41	264	0.006	<1	1.13	0.008	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228557	Soil	18	0.41	257	0.010	<1	1.13	0.006	0.04	0.2	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
1228558	Soil	18	0.39	205	0.018	<1	1.04	0.007	0.04	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228559	Soil	23	0.43	173	0.034	<1	1.39	0.008	0.06	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1228560	Soil	18	0.45	151	0.014	<1	1.10	0.005	0.04	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228561	Soil	27	0.46	162	0.016	<1	1.71	0.007	0.06	0.2	0.03	1.7	<0.1	<0.05	4	0.5	<0.2
1228562	Soil	19	0.53	227	0.004	<1	1.39	0.006	0.06	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1228563	Soil	19	0.52	212	0.004	<1	1.29	0.010	0.05	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1228564	Soil	15	0.41	120	0.007	<1	0.89	0.008	0.04	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1228565	Soil	17	0.50	169	0.004	<1	1.19	0.006	0.05	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1228566	Soil	19	0.48	229	0.009	<1	1.26	0.008	0.05	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2

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

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

CERTIFICATE OF ANALYSIS WHI11001420.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228567	Soil		0.6	28.8	16.0	56	0.1	26.4	10.2	320	2.61	11.7	3.3	9.1	51	<0.1	1.9	0.3	26	0.72	0.039	29
1228568	Soil		0.8	31.2	15.7	57	0.2	27.8	9.5	334	2.54	11.5	30.2	7.6	31	0.2	1.4	0.2	32	0.44	0.039	27
1228569	Soil		1.0	16.8	12.1	53	<0.1	19.2	7.7	248	2.38	9.4	2.2	7.4	23	<0.1	1.2	0.2	30	0.30	0.035	24
1228570	Soil		0.7	20.3	13.9	57	0.1	21.5	8.2	262	2.43	13.3	47.0	8.2	27	<0.1	1.8	0.2	25	0.38	0.040	27
1228571	Soil		0.7	26.2	12.6	51	0.1	22.6	9.0	351	2.23	12.6	4.9	4.6	34	0.2	1.1	0.2	34	0.48	0.058	19
1228572	Soil		0.7	17.9	10.4	46	0.1	16.5	6.2	249	1.84	9.6	21.2	3.8	28	0.2	1.0	0.2	28	0.38	0.059	16
1228573	Soil		1.3	13.8	15.7	41	<0.1	14.8	5.6	217	2.73	11.6	2.2	2.1	8	<0.1	0.7	0.3	53	0.05	0.043	17
1228574	Soil		0.9	14.0	13.0	37	<0.1	14.3	4.5	118	2.03	7.4	6.0	4.2	9	<0.1	0.5	0.2	37	0.05	0.028	21
1228575	Soil		0.8	27.4	16.0	50	<0.1	23.9	7.1	191	2.61	7.2	3.8	9.5	10	<0.1	0.4	0.3	36	0.04	0.024	42
1228576	Soil		0.9	35.0	20.9	69	<0.1	62.5	19.3	477	3.69	17.4	4.5	9.6	10	<0.1	0.7	0.2	54	0.04	0.027	40
1228577	Soil		0.9	30.9	20.0	63	<0.1	34.2	11.2	269	3.08	10.2	3.5	10.2	8	0.1	0.9	0.2	39	0.04	0.020	28
1228578	Soil		0.7	14.6	12.1	46	0.1	16.2	6.5	232	2.31	8.4	8.8	5.9	8	<0.1	0.6	0.2	41	0.05	0.016	16
1228579	Soil		0.9	17.3	13.1	51	0.2	17.9	7.5	242	2.58	8.6	3.1	6.1	9	<0.1	0.6	0.2	38	0.04	0.019	17
1228580	Soil		0.9	16.8	13.6	50	0.3	18.5	7.9	239	2.67	8.8	4.1	6.2	7	0.1	0.5	0.2	43	0.04	0.022	19
1228581	Soil		0.8	21.1	14.2	53	0.1	20.3	8.4	268	2.64	8.4	4.2	6.9	8	<0.1	0.6	0.2	39	0.05	0.019	19
1228582	Soil		0.9	18.0	11.9	51	0.1	17.1	6.9	180	2.42	10.5	0.8	5.0	7	0.2	0.7	0.2	40	0.05	0.017	12
1228583	Soil		0.7	18.0	10.1	44	<0.1	15.3	6.4	201	2.02	9.2	3.4	3.9	9	<0.1	0.5	0.1	33	0.07	0.021	14
1228584	Soil		0.8	26.0	12.2	54	<0.1	20.8	7.7	238	2.48	11.7	3.1	5.3	8	0.1	0.8	0.2	36	0.06	0.022	16
1228585	Soil		0.9	26.0	13.3	54	<0.1	20.0	8.3	271	2.42	8.3	2.2	7.1	7	<0.1	0.9	0.2	30	0.05	0.017	22
1228586	Soil		0.6	30.6	19.7	69	<0.1	27.2	12.1	437	2.91	6.4	1.1	10.5	10	<0.1	0.5	0.2	23	0.07	0.035	36
1228587	Soil		0.9	16.2	13.4	49	0.1	16.5	7.0	195	2.59	10.3	5.6	5.2	7	0.1	0.6	0.2	36	0.05	0.024	16
1228588	Soil		0.8	20.1	12.7	49	<0.1	19.5	6.7	166	2.23	12.4	9.5	3.5	8	<0.1	0.7	0.2	30	0.07	0.032	14
1228589	Soil		1.0	13.5	12.0	46	<0.1	14.9	5.7	151	2.54	14.6	11.0	4.6	7	<0.1	0.7	0.2	33	0.06	0.033	13
1228590	Soil		0.9	15.3	18.1	45	<0.1	16.1	6.5	131	2.33	9.5	3.8	7.9	9	<0.1	3.1	0.2	21	0.06	0.017	30
1228591	Soil		0.9	14.6	15.3	47	0.1	14.9	5.7	152	2.79	13.1	8.4	7.3	9	<0.1	0.8	0.2	37	0.04	0.083	24
1228592	Soil		0.8	29.5	25.7	49	0.2	18.5	6.9	136	2.78	9.3	2.8	12.5	8	<0.1	0.5	0.3	24	0.03	0.019	31
1228593	Soil		0.9	15.9	14.9	47	<0.1	16.0	6.9	166	2.52	9.9	3.0	5.9	7	<0.1	0.7	0.2	38	0.05	0.018	18
1228594	Soil		1.1	31.0	24.6	63	<0.1	24.0	9.0	197	3.53	13.9	1.4	10.6	8	<0.1	1.5	0.3	27	0.03	0.033	35
1228595	Soil		1.0	41.7	24.6	75	<0.1	22.0	9.3	197	3.76	9.0	2.8	16.9	11	<0.1	1.3	0.4	20	0.02	0.025	43
1228596	Soil		0.8	22.9	13.4	55	<0.1	20.7	9.0	191	2.63	9.5	1.2	8.5	10	<0.1	0.8	0.2	31	0.08	0.022	25

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228567	Soil	18	0.44	259	0.012	<1	1.09	0.010	0.05	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1228568	Soil	21	0.43	354	0.015	<1	1.14	0.009	0.06	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1228569	Soil	19	0.41	215	0.015	<1	1.16	0.009	0.04	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1228570	Soil	17	0.38	244	0.012	<1	0.96	0.008	0.05	0.2	0.02	1.9	<0.1	<0.05	3	0.7	<0.2
1228571	Soil	19	0.40	357	0.020	<1	1.05	0.010	0.05	0.4	0.04	2.3	<0.1	<0.05	3	0.6	<0.2
1228572	Soil	17	0.33	239	0.019	<1	0.87	0.007	0.04	0.4	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228573	Soil	32	0.38	98	0.029	<1	1.34	0.004	0.04	0.2	0.03	1.7	0.1	<0.05	5	0.6	<0.2
1228574	Soil	24	0.34	96	0.020	<1	1.17	0.004	0.05	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1228575	Soil	42	0.58	101	0.013	<1	1.33	0.004	0.04	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1228576	Soil	91	0.59	162	0.021	<1	1.36	0.004	0.06	0.1	0.05	5.6	0.1	<0.05	4	0.6	<0.2
1228577	Soil	35	0.46	104	0.025	<1	1.25	0.004	0.08	0.2	0.04	3.0	0.1	<0.05	3	<0.5	<0.2
1228578	Soil	25	0.37	143	0.033	<1	1.29	0.006	0.05	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1228579	Soil	23	0.30	124	0.020	2	1.24	0.004	0.06	0.2	0.03	2.4	0.1	<0.05	4	<0.5	<0.2
1228580	Soil	28	0.32	114	0.021	2	1.36	0.003	0.06	0.1	0.04	2.8	0.1	<0.05	4	0.6	<0.2
1228581	Soil	25	0.35	134	0.023	<1	1.30	0.006	0.07	0.1	0.02	2.6	0.1	<0.05	4	<0.5	<0.2
1228582	Soil	23	0.35	162	0.021	1	1.44	0.005	0.04	0.2	0.02	2.5	0.1	<0.05	4	0.5	<0.2
1228583	Soil	19	0.32	176	0.024	1	1.00	0.006	0.03	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228584	Soil	23	0.36	171	0.024	<1	1.29	0.004	0.05	0.2	0.05	2.6	<0.1	<0.05	3	0.5	<0.2
1228585	Soil	18	0.29	136	0.017	<1	1.10	0.004	0.06	0.2	0.03	2.4	0.1	<0.05	3	0.6	<0.2
1228586	Soil	16	0.40	173	0.012	1	1.07	0.003	0.06	<0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1228587	Soil	20	0.28	137	0.017	<1	1.25	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1228588	Soil	18	0.33	99	0.017	<1	0.98	0.003	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228589	Soil	20	0.32	88	0.020	1	1.17	0.004	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1228590	Soil	12	0.26	137	0.005	<1	1.03	0.003	0.05	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1228591	Soil	16	0.31	104	0.016	<1	1.10	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1228592	Soil	17	0.41	73	0.008	<1	1.41	0.004	0.03	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1228593	Soil	20	0.35	136	0.016	<1	1.53	0.005	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1228594	Soil	18	0.44	97	0.006	<1	1.54	0.004	0.04	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1228595	Soil	20	0.53	80	0.005	<1	1.52	0.004	0.05	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1228596	Soil	19	0.38	187	0.012	<1	1.37	0.004	0.04	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228597	Soil		0.7	19.8	11.2	45	<0.1	19.1	7.3	185	2.28	10.7	2.1	8.0	13	<0.1	1.4	0.2	28	0.12	0.022	25
1228598	Soil		0.9	16.9	15.3	51	<0.1	18.6	7.3	349	2.32	8.8	1.0	9.0	19	<0.1	1.3	0.2	25	0.24	0.027	28
1228599	Soil		0.5	28.0	21.0	64	<0.1	33.5	13.0	363	3.31	7.5	2.7	19.6	24	<0.1	0.6	0.3	19	0.32	0.046	51
1228600	Soil		0.7	20.8	15.6	50	<0.1	22.0	8.5	289	2.55	9.6	<0.5	9.1	30	<0.1	1.1	0.2	28	0.45	0.018	27
1228601	Soil		0.6	28.3	22.3	64	<0.1	29.6	11.0	374	2.97	13.4	2.7	14.2	29	<0.1	1.5	0.3	19	0.44	0.042	39
1228602	Soil		0.7	26.9	15.7	56	<0.1	25.3	10.2	347	2.48	13.3	5.3	9.6	27	<0.1	1.3	0.2	26	0.34	0.032	27
1228603	Soil		0.4	24.6	26.1	81	0.1	22.7	9.3	310	2.41	11.8	1.0	11.9	39	0.2	0.8	0.2	14	0.55	0.051	29
1228604	Soil		0.5	24.3	21.6	64	0.2	19.1	7.8	322	2.05	11.7	2.2	8.1	40	0.2	0.9	0.2	15	0.65	0.049	23
1228605	Soil		0.5	27.8	24.0	73	0.2	24.7	10.2	413	2.56	14.8	3.0	9.2	33	0.2	1.2	0.3	19	0.61	0.049	23
1228606	Soil		0.6	26.3	12.2	58	0.1	22.0	8.9	321	2.20	11.3	1.7	6.2	24	0.1	0.7	0.2	24	0.37	0.058	18
1228607	Soil		0.8	36.3	22.2	75	0.2	31.2	13.5	563	2.86	11.5	2.1	9.8	30	0.1	0.8	0.3	22	0.36	0.050	23
1228608	Soil		1.6	56.6	34.5	104	0.1	32.3	11.0	645	3.71	13.6	2.2	12.1	19	0.2	1.3	0.4	17	0.12	0.041	26
1228609	Soil		0.8	28.9	17.0	57	0.1	33.1	11.6	962	2.67	10.8	3.0	5.2	27	<0.1	0.7	0.2	27	0.33	0.052	18
1228610	Soil		0.7	17.6	11.1	67	0.1	17.4	7.3	165	1.89	15.0	1.6	5.3	29	0.2	0.9	0.2	19	0.39	0.078	15
1228611	Soil		1.0	17.3	12.7	45	0.2	12.8	5.6	158	2.36	10.8	3.2	2.9	8	0.1	0.5	0.2	46	0.06	0.049	16
1228612	Soil		0.7	57.4	9.7	86	<0.1	28.5	10.5	347	2.39	12.0	3.6	4.3	11	0.3	0.7	0.2	32	0.05	0.024	22
1228613	Soil		1.3	29.3	10.6	51	<0.1	14.7	4.4	169	2.10	7.6	5.4	2.5	10	<0.1	0.7	0.2	31	0.05	0.031	18
1228614	Soil		1.1	20.8	11.1	53	<0.1	16.2	6.3	186	2.33	10.5	1.4	2.8	12	0.2	0.8	0.2	42	0.08	0.026	13
1228615	Soil		1.1	18.6	8.9	53	<0.1	15.3	5.9	179	1.92	7.8	2.6	1.8	8	0.1	0.7	0.2	35	0.09	0.049	14
1228616	Soil		1.5	30.8	9.8	79	0.1	23.9	8.7	377	2.27	9.7	7.4	4.2	19	0.2	1.1	0.2	38	0.19	0.060	17
1228617	Soil		1.7	21.4	5.8	42	<0.1	12.0	3.4	84	1.91	6.6	18.3	5.7	7	0.1	1.1	0.4	28	0.03	0.021	30
1228618	Soil		1.3	5.3	9.9	31	<0.1	7.3	3.2	150	2.32	9.5	1.3	1.6	5	<0.1	0.5	0.2	54	0.04	0.039	11
1228619	Soil		1.3	24.4	9.7	58	<0.1	17.6	7.5	227	2.37	10.7	3.4	4.1	8	0.1	1.0	0.3	41	0.05	0.037	19
1228620	Soil		1.5	22.1	11.1	54	<0.1	13.6	5.5	234	2.28	10.2	4.8	0.6	8	0.3	0.9	0.3	42	0.05	0.053	20
1228621	Soil		1.2	7.5	17.0	45	<0.1	10.0	4.1	148	3.15	12.6	1.5	1.0	7	0.2	0.7	0.2	60	0.05	0.042	12
1228622	Soil		1.2	27.5	16.0	62	<0.1	18.1	6.1	196	2.29	9.9	4.2	4.7	9	0.2	1.0	0.2	40	0.06	0.031	19
1228623	Soil		0.9	17.5	12.7	44	<0.1	12.0	4.6	149	1.76	7.5	2.9	1.3	8	<0.1	0.7	0.2	36	0.06	0.033	16
1228624	Soil		1.3	22.7	11.5	44	0.2	13.2	4.3	136	2.04	9.0	1.8	0.1	8	0.2	0.7	0.3	41	0.05	0.053	14
1228625	Soil		1.2	10.5	8.2	38	<0.1	9.5	3.3	107	2.00	10.2	2.2	1.3	6	<0.1	0.7	0.2	44	0.04	0.028	13
1228626	Soil		0.7	16.1	13.4	18	<0.1	6.7	2.0	42	1.58	7.3	2.2	0.2	11	0.3	0.3	0.3	34	0.07	0.102	16

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

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

CERTIFICATE OF ANALYSIS WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228597	Soil	18	0.38	192	0.013	<1	1.15	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228598	Soil	15	0.31	253	0.009	<1	1.09	0.005	0.05	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1228599	Soil	20	0.52	159	0.007	<1	1.43	0.004	0.05	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1228600	Soil	19	0.33	312	0.010	<1	1.28	0.005	0.06	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1228601	Soil	17	0.40	164	0.008	1	1.08	0.005	0.07	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1228602	Soil	17	0.36	229	0.016	1	1.02	0.007	0.07	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1228603	Soil	11	0.31	133	0.008	1	0.74	0.005	0.09	0.2	0.02	1.9	<0.1	<0.05	2	<0.5	<0.2
1228604	Soil	12	0.30	139	0.011	1	0.73	0.006	0.06	0.2	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1228605	Soil	15	0.39	146	0.011	<1	0.92	0.006	0.05	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1228606	Soil	16	0.37	245	0.017	1	0.93	0.006	0.03	0.3	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1228607	Soil	18	0.50	228	0.012	<1	1.26	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1228608	Soil	18	0.60	141	0.006	<1	1.37	0.007	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	0.6	<0.2
1228609	Soil	19	0.37	301	0.013	1	1.19	0.007	0.04	0.2	0.04	2.3	<0.1	<0.05	4	0.8	<0.2
1228610	Soil	13	0.31	159	0.023	1	0.70	0.008	0.03	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1228611	Soil	24	0.35	148	0.027	<1	1.56	0.005	0.04	0.2	0.04	2.9	0.2	<0.05	5	<0.5	<0.2
1228612	Soil	20	0.41	306	0.022	<1	1.20	0.006	0.04	0.1	0.03	2.4	0.3	<0.05	3	<0.5	<0.2
1228613	Soil	19	0.35	127	0.018	<1	1.06	0.004	0.03	0.2	0.02	1.5	0.4	<0.05	3	<0.5	<0.2
1228614	Soil	22	0.33	206	0.028	2	1.29	0.004	0.03	0.2	0.03	2.1	0.2	<0.05	4	<0.5	<0.2
1228615	Soil	20	0.32	156	0.021	1	1.10	0.004	0.02	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1228616	Soil	21	0.36	425	0.039	1	1.11	0.005	0.04	0.2	0.05	2.7	0.1	<0.05	3	<0.5	<0.2
1228617	Soil	15	0.20	80	0.016	<1	0.80	0.003	0.02	0.4	0.04	1.4	0.7	<0.05	3	<0.5	<0.2
1228618	Soil	19	0.22	71	0.034	<1	1.07	0.003	0.02	0.1	0.02	1.1	0.1	<0.05	5	<0.5	<0.2
1228619	Soil	24	0.33	172	0.020	<1	1.40	0.005	0.04	0.4	0.04	2.8	0.5	<0.05	4	<0.5	<0.2
1228620	Soil	21	0.25	106	0.014	<1	1.08	0.003	0.03	0.4	0.03	0.9	0.5	<0.05	4	<0.5	<0.2
1228621	Soil	21	0.27	74	0.029	<1	1.20	0.004	0.03	0.2	0.02	1.3	0.2	<0.05	6	<0.5	<0.2
1228622	Soil	22	0.34	155	0.024	1	1.21	0.005	0.03	0.3	0.04	2.3	0.4	<0.05	4	<0.5	<0.2
1228623	Soil	16	0.23	125	0.021	<1	0.91	0.004	0.03	0.2	0.03	1.5	0.3	<0.05	4	<0.5	<0.2
1228624	Soil	19	0.25	164	0.008	<1	1.15	0.005	0.03	0.2	0.05	0.6	0.5	<0.05	4	<0.5	<0.2
1228625	Soil	18	0.20	75	0.022	<1	0.96	0.003	0.03	0.3	0.02	1.2	0.6	<0.05	4	<0.5	<0.2
1228626	Soil	16	0.11	242	0.006	<1	1.15	0.004	0.02	0.1	0.09	0.4	0.8	<0.05	5	0.6	<0.2

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Toronto ON M5X 1C9 Canada

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

CERTIFICATE OF ANALYSIS WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228627	Soil	1.4	22.3	9.9	55	0.1	15.0	5.7	219	1.89	15.1	23.3	3.9	10	0.2	0.9	0.2	31	0.08	0.047	17
1228628	Soil	1.0	16.4	8.7	41	<0.1	12.3	4.7	137	1.82	11.1	4.2	1.2	7	<0.1	0.7	0.2	35	0.05	0.026	13
1228629	Soil	1.3	23.5	9.9	41	0.1	12.2	4.4	119	1.78	14.1	5.6	0.2	9	0.3	0.7	0.4	40	0.06	0.047	14
1228630	Soil	1.6	23.6	10.4	56	<0.1	16.1	5.5	189	2.40	15.6	2.3	1.8	9	0.2	0.8	0.3	47	0.06	0.048	14
1228631	Soil	1.1	19.5	8.6	44	<0.1	13.5	4.5	103	1.79	8.5	2.5	0.4	9	0.2	0.6	0.2	34	0.08	0.068	12
1228632	Soil	3.5	15.6	10.6	50	0.6	12.2	4.5	165	1.93	7.8	2.7	0.7	12	0.2	0.7	0.2	38	0.10	0.080	20
1228633	Soil	4.5	15.0	10.0	49	0.4	13.3	4.9	111	1.97	7.7	3.0	3.5	12	0.2	0.6	0.2	43	0.10	0.078	18
1228634	Soil	2.6	16.5	11.5	57	0.3	15.9	5.2	112	1.82	7.7	4.3	2.6	18	0.2	0.6	0.3	36	0.20	0.104	15
1228635	Soil	3.0	18.6	9.7	38	0.3	11.4	2.9	61	1.65	7.2	3.2	0.3	12	0.1	0.6	0.3	31	0.13	0.083	13
1228636	Soil	2.2	17.2	8.7	38	0.2	10.8	2.7	62	1.57	7.0	1.7	0.5	11	0.2	0.4	0.2	32	0.14	0.067	13
1228637	Soil	3.6	21.0	8.5	57	0.2	16.1	5.7	156	2.20	10.7	1.8	1.4	12	0.1	0.6	0.2	46	0.16	0.075	13
1228638	Soil	2.0	24.3	7.7	57	0.2	17.4	6.4	146	2.00	8.0	6.4	2.6	13	0.1	0.7	0.2	37	0.16	0.060	14
1228639	Soil	2.9	24.9	8.0	55	0.3	15.7	4.8	135	1.90	6.2	2.2	0.9	14	0.2	0.4	0.2	52	0.13	0.045	12
1228640	Soil	8.2	34.3	10.4	108	0.8	27.0	6.7	233	2.33	4.0	1.3	1.8	25	0.7	0.4	0.3	84	0.21	0.060	13
1228641	Soil	3.1	31.5	12.1	77	0.5	19.7	5.8	155	2.09	4.6	2.0	1.5	19	0.5	0.4	0.3	50	0.16	0.060	13
1228642	Soil	5.6	43.7	8.0	137	0.6	35.6	11.9	313	2.10	5.6	2.6	2.1	22	1.8	0.5	0.2	69	0.26	0.071	13
1228643	Soil	6.6	39.5	6.6	156	0.6	39.8	10.1	223	2.15	4.5	4.9	3.4	21	1.1	0.5	0.2	92	0.23	0.081	13
1228644	Soil	2.1	16.5	6.9	51	0.2	14.1	3.3	75	1.21	4.1	12.5	0.6	12	0.3	0.2	0.2	37	0.14	0.056	11
1228645	Soil	1.6	50.0	5.9	47	0.7	15.8	4.1	79	1.34	3.3	2.1	0.6	14	0.9	0.3	0.2	31	0.14	0.042	9
1228646	Soil	2.7	31.0	5.7	71	0.5	18.4	4.3	106	1.57	4.1	1.2	1.4	19	1.1	0.2	0.3	37	0.14	0.047	11

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

CERTIFICATE OF ANALYSIS WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228627	Soil	18	0.29	123	0.019	<1	0.87	0.004	0.04	0.4	0.05	2.0	0.8	<0.05	3	<0.5	<0.2
1228628	Soil	19	0.26	134	0.016	<1	1.00	0.003	0.03	0.3	0.03	1.5	0.3	<0.05	3	<0.5	<0.2
1228629	Soil	17	0.17	135	0.007	<1	0.84	0.004	0.04	0.4	0.02	0.6	0.9	<0.05	4	<0.5	<0.2
1228630	Soil	23	0.27	127	0.018	<1	1.08	0.004	0.04	0.5	0.03	1.8	0.6	<0.05	4	<0.5	<0.2
1228631	Soil	18	0.25	146	0.009	<1	0.96	0.004	0.03	0.3	0.03	1.0	0.3	<0.05	3	<0.5	<0.2
1228632	Soil	22	0.23	101	0.012	<1	0.75	0.003	0.04	0.6	0.03	1.4	0.9	<0.05	3	1.1	<0.2
1228633	Soil	23	0.30	150	0.014	<1	1.10	0.004	0.04	0.5	0.06	2.1	0.8	<0.05	3	1.5	<0.2
1228634	Soil	19	0.28	168	0.015	<1	0.94	0.005	0.05	0.5	0.07	2.2	0.9	<0.05	3	2.7	<0.2
1228635	Soil	17	0.22	180	0.007	<1	0.91	0.004	0.03	0.3	0.06	0.9	0.7	<0.05	3	4.3	<0.2
1228636	Soil	18	0.24	152	0.009	<1	0.86	0.004	0.03	0.4	0.05	1.1	0.5	<0.05	3	3.0	<0.2
1228637	Soil	23	0.34	119	0.020	<1	0.99	0.006	0.04	0.6	0.05	1.8	0.3	<0.05	3	2.2	<0.2
1228638	Soil	23	0.36	180	0.023	<1	0.98	0.005	0.04	0.5	0.04	2.1	0.3	<0.05	3	1.3	<0.2
1228639	Soil	26	0.43	145	0.022	<1	1.21	0.009	0.04	0.2	0.04	1.9	0.3	<0.05	4	2.0	<0.2
1228640	Soil	47	0.75	190	0.042	<1	1.49	0.013	0.06	0.2	0.03	3.7	0.7	<0.05	6	4.4	<0.2
1228641	Soil	36	0.56	142	0.035	<1	1.42	0.012	0.05	0.2	0.04	2.4	0.5	0.06	5	1.8	<0.2
1228642	Soil	42	0.60	167	0.034	<1	1.53	0.015	0.05	0.3	0.02	3.3	0.6	<0.05	5	1.8	<0.2
1228643	Soil	45	0.70	146	0.041	<1	1.54	0.012	0.06	0.4	0.04	3.6	0.6	<0.05	5	2.1	<0.2
1228644	Soil	23	0.32	77	0.020	<1	0.91	0.005	0.03	0.3	0.04	1.3	0.3	<0.05	3	1.2	<0.2
1228645	Soil	20	0.28	106	0.019	<1	1.01	0.007	0.03	0.2	0.04	1.7	0.6	<0.05	3	1.6	<0.2
1228646	Soil	25	0.38	111	0.028	<1	1.07	0.010	0.07	0.2	0.04	2.2	0.5	0.05	4	1.6	<0.2

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QUALITY CONTROL REPORT WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1227726	Soil	1.0	32.5	19.3	64	<0.1	22.7	9.6	260	2.69	17.3	3.1	9.9	7	<0.1	3.6	0.3	29	0.04	0.025	33
REP 1227726	QC	1.0	32.4	18.2	63	<0.1	22.3	9.5	258	2.65	16.8	3.6	9.8	6	<0.1	3.4	0.2	30	0.04	0.025	32
1227760	Soil	0.9	23.3	12.6	50	0.1	20.7	9.2	390	2.14	12.4	3.0	5.0	24	<0.1	0.7	0.2	33	0.37	0.061	16
REP 1227760	QC	0.9	23.1	11.3	50	0.1	20.5	8.8	372	1.98	12.6	2.3	4.7	24	<0.1	0.7	0.2	33	0.36	0.059	16
1227767	Soil	1.0	22.4	12.4	52	<0.1	18.6	6.7	251	2.57	9.1	7.5	4.6	13	0.1	0.7	0.2	35	0.11	0.030	19
REP 1227767	QC	1.1	22.7	13.2	52	<0.1	19.4	6.7	252	2.65	8.6	<0.5	4.7	13	0.2	0.7	0.2	30	0.11	0.033	20
1227782	Soil	1.0	46.8	11.0	57	<0.1	22.8	7.6	319	2.38	8.4	15.6	4.9	9	0.1	0.6	0.2	24	0.06	0.025	21
REP 1227782	QC	0.9	46.8	11.1	55	<0.1	22.7	7.6	316	2.31	7.7	<0.5	4.9	9	0.1	0.6	0.2	22	0.06	0.025	20
1228014	Soil	0.5	19.7	13.3	52	0.2	21.1	6.1	1037	1.74	14.2	3.0	3.2	60	0.3	0.8	0.1	24	1.03	0.059	15
REP 1228014	QC	0.5	19.9	13.9	55	0.2	20.7	5.8	1054	1.76	14.3	2.0	3.2	61	0.4	0.7	0.1	24	1.03	0.060	16
1228031	Soil	0.9	18.8	14.7	98	0.8	22.0	7.7	327	2.40	13.6	0.6	5.2	11	0.6	0.6	0.2	48	0.12	0.020	17
REP 1228031	QC	0.9	19.4	14.6	94	0.8	22.5	8.0	329	2.48	13.7	<0.5	5.1	12	0.6	0.6	0.2	47	0.13	0.019	17
1228040	Soil	0.9	17.8	20.6	69	0.2	22.2	9.0	293	2.75	13.4	3.8	4.3	12	0.2	0.6	0.3	51	0.10	0.021	13
REP 1228040	QC	0.9	17.0	19.7	69	0.2	20.4	8.8	279	2.63	13.2	4.0	4.5	12	0.1	0.6	0.3	48	0.10	0.023	12
1228055	Soil	1.0	22.8	12.4	59	0.4	19.4	9.6	243	2.60	11.0	3.7	3.1	14	0.1	0.6	0.4	63	0.13	0.023	11
REP 1228055	QC	1.1	23.4	12.7	62	0.4	20.4	9.7	251	2.68	11.0	2.5	3.1	14	0.1	0.6	0.4	62	0.13	0.023	10
1228076	Soil	1.1	26.9	9.1	63	0.1	20.5	6.8	183	2.11	9.3	6.0	3.2	19	0.2	0.8	0.2	10	0.22	0.059	17
REP 1228076	QC	1.0	27.2	8.7	61	0.1	21.1	6.6	179	2.06	8.8	7.1	3.1	19	0.1	0.7	0.2	13	0.21	0.055	16
1228094	Soil	1.1	29.1	10.4	61	0.2	22.3	7.9	314	1.88	12.9	4.6	4.2	19	0.2	0.9	0.2	10	0.34	0.056	15
REP 1228094	QC	1.1	29.9	10.6	61	0.2	23.4	8.2	318	1.92	13.0	5.1	4.0	20	0.3	0.9	0.2	10	0.34	0.057	14
1228517	Soil	0.9	17.5	16.8	52	0.1	16.9	8.2	331	2.27	16.1	3.7	5.1	25	0.2	0.8	0.2	34	0.37	0.041	15
REP 1228517	QC	1.0	17.5	16.5	53	0.1	17.7	8.6	354	2.41	15.9	8.2	5.1	26	0.2	0.8	0.2	35	0.40	0.041	16
1228525	Soil	0.9	32.1	23.5	86	0.3	31.2	13.2	399	3.34	19.6	1.5	9.9	15	<0.1	0.6	0.3	19	0.21	0.048	20
REP 1228525	QC	0.9	31.3	22.3	82	0.3	29.9	12.7	388	3.31	19.4	2.8	9.7	15	0.2	0.6	0.3	18	0.19	0.043	20
1228552	Soil	0.7	28.6	21.2	50	0.1	19.8	9.9	260	2.61	6.5	1.4	10.8	32	<0.1	1.3	0.3	22	0.26	0.033	36
REP 1228552	QC	0.8	28.7	21.2	50	0.2	19.4	9.7	247	2.50	6.7	2.6	10.9	32	<0.1	1.3	0.3	22	0.27	0.036	34
1228576	Soil	0.9	35.0	20.9	69	<0.1	62.5	19.3	477	3.69	17.4	4.5	9.6	10	<0.1	0.7	0.2	54	0.04	0.027	40
REP 1228576	QC	1.0	36.5	21.1	73	<0.1	62.2	19.3	477	3.73	17.2	6.6	10.0	10	<0.1	0.8	0.2	52	0.04	0.028	40

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

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

QUALITY CONTROL REPORT WHI11001420.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1227726	Soil	20	0.38	122	0.022	1	1.20	0.004	0.04	0.3	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1227726	QC	20	0.36	121	0.025	2	1.16	0.003	0.04	0.3	0.03	2.6	<0.1	0.06	3	<0.5	<0.2
1227760	Soil	19	0.34	303	0.023	2	1.06	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	3	0.6	<0.2
REP 1227760	QC	18	0.32	297	0.021	<1	1.00	0.006	0.04	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1227767	Soil	26	0.41	224	0.039	1	1.58	0.006	0.04	0.2	0.04	3.1	0.2	<0.05	5	0.7	<0.2
REP 1227767	QC	27	0.42	229	0.041	1	1.66	0.006	0.04	0.2	0.02	3.4	0.2	<0.05	5	0.9	<0.2
1227782	Soil	22	0.47	310	0.033	1	1.36	0.008	0.04	0.1	0.03	2.2	<0.1	<0.05	4	0.9	<0.2
REP 1227782	QC	22	0.47	293	0.031	<1	1.31	0.005	0.04	0.1	0.02	2.1	<0.1	<0.05	4	0.7	<0.2
1228014	Soil	16	0.35	275	0.015	1	0.87	0.009	0.05	0.2	0.04	1.8	<0.1	0.07	2	<0.5	<0.2
REP 1228014	QC	17	0.35	279	0.016	1	0.87	0.009	0.05	0.1	0.05	1.8	<0.1	0.06	3	<0.5	<0.2
1228031	Soil	29	0.43	195	0.023	<1	1.66	0.005	0.05	0.1	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
REP 1228031	QC	29	0.43	197	0.029	<1	1.67	0.005	0.05	0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
1228040	Soil	41	0.52	262	0.034	<1	1.70	0.007	0.04	0.2	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
REP 1228040	QC	39	0.52	259	0.031	<1	1.69	0.005	0.03	0.2	0.02	2.4	0.1	<0.05	5	0.7	<0.2
1228055	Soil	31	0.49	237	0.052	1	1.89	0.009	0.04	0.2	0.01	2.1	0.3	<0.05	6	<0.5	<0.2
REP 1228055	QC	31	0.50	242	0.047	1	1.87	0.007	0.04	0.3	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
1228076	Soil	20	0.37	412	0.022	1	1.09	0.009	0.03	0.2	0.05	2.1	<0.1	<0.05	3	1.3	<0.2
REP 1228076	QC	20	0.37	389	0.022	1	1.07	0.006	0.03	0.2	0.05	1.9	<0.1	<0.05	3	0.7	<0.2
1228094	Soil	20	0.38	267	0.024	3	0.99	0.008	0.05	0.3	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228094	QC	20	0.37	260	0.024	2	1.02	0.007	0.05	0.3	0.05	2.6	0.1	<0.05	3	1.1	<0.2
1228517	Soil	19	0.32	270	0.023	<1	1.11	0.006	0.04	0.3	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
REP 1228517	QC	20	0.33	278	0.024	<1	1.12	0.007	0.06	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228525	Soil	19	0.53	109	0.007	<1	1.35	0.006	0.07	0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1228525	QC	19	0.50	107	0.007	<1	1.27	0.004	0.07	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1228552	Soil	16	0.41	256	0.005	<1	1.08	0.007	0.04	0.1	0.03	1.5	<0.1	<0.05	3	0.7	<0.2
REP 1228552	QC	16	0.39	255	0.004	<1	1.06	0.009	0.04	0.1	0.03	1.5	<0.1	<0.05	3	0.7	<0.2
1228576	Soil	91	0.59	162	0.021	<1	1.36	0.004	0.06	0.1	0.05	5.6	0.1	<0.05	4	0.6	<0.2
REP 1228576	QC	91	0.60	163	0.021	<1	1.39	0.004	0.06	0.1	0.05	5.4	0.1	<0.05	4	<0.5	<0.2

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

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

QUALITY CONTROL REPORT WHI11001420.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
1228583	Soil	0.7	18.0	10.1	44	<0.1	15.3	6.4	201	2.02	9.2	3.4	3.9	9	<0.1	0.5	0.1	33	0.07	0.021	14
REP 1228583	QC	0.7	18.2	10.2	45	<0.1	15.9	6.4	202	2.02	9.3	2.4	4.0	9	<0.1	0.5	0.1	34	0.08	0.023	15
1228597	Soil	0.7	19.8	11.2	45	<0.1	19.1	7.3	185	2.28	10.7	2.1	8.0	13	<0.1	1.4	0.2	28	0.12	0.022	25
REP 1228597	QC	0.6	19.1	10.7	44	<0.1	18.1	7.1	183	2.20	10.1	6.0	7.7	13	<0.1	1.4	0.2	28	0.12	0.020	25
1228619	Soil	1.3	24.4	9.7	58	<0.1	17.6	7.5	227	2.37	10.7	3.4	4.1	8	0.1	1.0	0.3	41	0.05	0.037	19
REP 1228619	QC	1.3	23.0	9.6	55	<0.1	17.0	7.2	227	2.35	10.2	4.1	3.8	8	0.1	1.0	0.3	39	0.05	0.035	18
1228636	Soil	2.2	17.2	8.7	38	0.2	10.8	2.7	62	1.57	7.0	1.7	0.5	11	0.2	0.4	0.2	32	0.14	0.067	13
REP 1228636	QC	2.2	17.0	8.6	38	0.3	10.4	2.8	61	1.56	6.7	9.4	0.5	11	0.1	0.4	0.2	32	0.14	0.066	13
Reference Materials																					
STD DS8	Standard	12.8	108.7	125.3	307	1.8	37.3	7.5	593	2.35	22.6	112.1	6.3	60	2.1	5.4	6.2	41	0.63	0.079	14
STD DS8	Standard	13.3	105.6	127.1	306	1.8	37.9	7.5	590	2.36	24.1	112.3	7.6	72	2.3	6.0	7.3	43	0.68	0.079	16
STD DS8	Standard	13.0	109.3	128.0	313	1.8	37.2	7.3	613	2.42	24.9	111.5	6.7	69	2.5	5.8	6.9	43	0.68	0.081	15
STD DS8	Standard	13.2	109.1	122.8	306	1.8	37.7	7.3	605	2.50	24.1	113.2	7.5	76	2.3	6.1	7.2	44	0.66	0.077	15
STD DS8	Standard	14.7	114.7	131.4	326	1.8	40.9	7.9	641	2.56	24.7	119.0	7.3	70	2.4	5.8	6.3	45	0.74	0.077	18
STD DS8	Standard	11.8	104.6	126.5	304	1.8	35.7	7.1	598	2.38	24.4	106.1	6.5	63	2.3	5.3	6.5	40	0.65	0.076	14
STD DS8	Standard	13.0	104.4	122.3	296	1.8	35.9	7.4	583	2.38	24.2	111.0	6.8	66	2.1	5.7	6.8	52	0.67	0.078	15
STD DS8	Standard	14.2	114.5	125.9	310	1.8	39.8	8.3	628	2.61	24.2	108.7	7.4	71	2.0	5.7	7.1	37	0.70	0.077	17
STD DS8	Standard	13.5	114.5	122.5	312	1.8	39.9	8.1	619	2.50	24.3	107.5	6.8	65	2.6	6.0	6.7	46	0.69	0.082	15
STD DS8	Standard	13.0	111.3	130.2	311	1.7	37.7	7.4	625	2.47	24.9	109.8	6.6	66	2.3	5.8	6.8	42	0.67	0.082	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT WHI11001420.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
1228583	Soil	19	0.32	176	0.024	1	1.00	0.006	0.03	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228583	QC	19	0.33	186	0.026	1	1.04	0.006	0.04	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1228597	Soil	18	0.38	192	0.013	<1	1.15	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1228597	QC	18	0.37	190	0.012	<1	1.16	0.005	0.04	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228619	Soil	24	0.33	172	0.020	<1	1.40	0.005	0.04	0.4	0.04	2.8	0.5	<0.05	4	<0.5	<0.2
REP 1228619	QC	23	0.31	168	0.018	<1	1.34	0.004	0.04	0.4	0.06	2.7	0.5	<0.05	4	<0.5	<0.2
1228636	Soil	18	0.24	152	0.009	<1	0.86	0.004	0.03	0.4	0.05	1.1	0.5	<0.05	3	3.0	<0.2
REP 1228636	QC	17	0.23	147	0.008	<1	0.83	0.004	0.03	0.4	0.04	1.1	0.5	<0.05	3	2.7	<0.2
Reference Materials																	
STD DS8	Standard	118	0.60	254	0.111	3	0.88	0.082	0.40	3.0	0.20	2.3	5.4	0.16	4	4.9	4.8
STD DS8	Standard	119	0.62	281	0.129	2	0.92	0.100	0.40	3.1	0.20	2.3	5.5	0.15	4	5.4	4.6
STD DS8	Standard	116	0.60	281	0.124	2	0.92	0.101	0.43	3.2	0.21	2.5	5.4	0.17	5	5.0	5.1
STD DS8	Standard	120	0.62	282	0.129	2	0.91	0.100	0.44	2.9	0.20	2.4	5.3	0.15	5	5.6	5.2
STD DS8	Standard	128	0.64	298	0.129	2	0.98	0.097	0.43	3.5	0.21	2.5	5.6	0.15	5	5.0	5.1
STD DS8	Standard	111	0.58	265	0.110	2	0.88	0.091	0.41	2.9	0.21	2.5	5.4	0.15	5	4.9	4.8
STD DS8	Standard	110	0.60	265	0.117	5	0.87	0.081	0.39	2.8	0.22	2.2	5.3	0.07	5	5.3	5.1
STD DS8	Standard	116	0.61	289	0.126	3	0.95	0.085	0.41	3.0	0.17	2.1	5.4	0.12	5	5.8	4.5
STD DS8	Standard	119	0.61	278	0.120	2	0.90	0.087	0.40	3.2	0.21	2.2	5.3	0.20	5	5.3	5.2
STD DS8	Standard	124	0.60	266	0.117	3	0.91	0.089	0.41	3.3	0.21	2.2	5.4	0.15	5	5.2	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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

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

QUALITY CONTROL REPORT WHI11001420.1

		1DX15 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 WHI11001420.1

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

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Client: **Goldspike Exploration Inc.**
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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: September 09, 2011
Report Date: November 11, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS WHI11001421.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	240	Dry at 60C			WHI
SS80	240	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	240	Saving all or part of Soil Reject			WHI
1DX2	240	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Don Christie
Daithi Mac Gearailt

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228647	Soil	1.7	40.1	7.4	64	0.4	16.1	4.5	119	1.52	5.9	10.1	1.2	15	1.0	0.4	0.3	30	0.14	0.053	14
1228648	Soil	1.5	21.0	5.9	43	0.3	13.8	3.0	73	1.49	6.4	1.5	0.7	14	1.0	0.3	0.2	27	0.14	0.053	11
1228649	Soil	1.6	23.9	8.1	77	0.2	19.2	5.8	122	1.78	7.4	2.2	1.5	19	0.5	0.6	0.2	36	0.21	0.065	13
1228650	Soil	1.7	40.4	9.1	65	0.2	22.3	6.0	106	1.46	7.5	3.5	1.3	16	1.1	0.5	0.2	31	0.17	0.064	15
1228651	Soil	1.8	18.3	6.9	49	0.2	12.8	3.5	78	1.61	7.7	2.6	0.9	14	0.5	0.5	0.2	33	0.16	0.059	12
1228652	Soil	1.7	17.9	8.4	59	0.1	15.1	4.6	95	1.70	16.4	1.8	3.2	16	0.3	0.8	0.2	37	0.21	0.072	14
1228653	Soil	1.4	22.9	7.0	62	0.1	17.6	7.2	212	1.91	8.3	1.1	3.1	18	0.3	0.7	0.1	27	0.22	0.063	13
1228701	Soil	0.6	25.7	13.0	50	<0.1	21.0	8.2	264	2.16	9.1	7.1	5.6	9	<0.1	2.0	0.2	28	0.06	0.024	22
1228702	Soil	0.6	32.0	19.8	62	<0.1	42.1	13.6	416	2.80	11.4	8.2	8.4	14	<0.1	6.3	0.2	42	0.11	0.045	32
1228703	Soil	0.7	27.6	14.9	61	<0.1	24.9	9.5	358	2.29	12.7	4.5	6.9	14	0.1	2.4	0.2	27	0.15	0.056	26
1228704	Soil	0.9	38.6	20.2	72	<0.1	41.1	13.4	319	2.99	6.9	3.9	11.0	25	<0.1	2.0	0.3	30	0.17	0.044	36
1228705	Soil	0.5	21.4	9.9	42	<0.1	17.1	6.5	190	1.75	7.2	3.4	4.5	16	<0.1	1.4	0.1	28	0.16	0.038	19
1228706	Soil	0.5	33.1	17.1	54	<0.1	26.6	10.3	306	2.54	8.2	2.6	9.3	9	<0.1	3.3	0.2	22	0.04	0.024	36
1228707	Soil	0.7	23.5	13.4	52	<0.1	20.5	8.1	266	2.20	9.5	8.8	5.6	10	0.1	2.0	0.2	32	0.07	0.024	22
1228708	Soil	0.6	15.1	12.8	41	<0.1	14.3	5.2	162	1.90	9.8	2.4	4.2	9	<0.1	0.9	0.2	33	0.07	0.029	17
1228709	Soil	0.8	32.5	18.1	55	<0.1	22.2	10.0	313	2.88	8.6	2.5	8.0	8	<0.1	1.1	0.2	28	0.04	0.024	30
1228710	Soil	0.9	23.8	10.6	52	<0.1	18.2	6.6	232	1.98	10.8	3.5	4.4	12	<0.1	0.9	0.2	35	0.12	0.033	17
1228711	Soil	1.0	28.8	15.8	59	<0.1	24.9	9.5	248	2.67	14.1	8.4	6.6	9	<0.1	1.1	0.2	38	0.06	0.018	21
1228712	Soil	1.1	22.8	14.1	52	<0.1	19.3	8.0	275	2.86	13.4	2.8	5.5	14	<0.1	0.9	0.2	54	0.11	0.023	18
1228713	Soil	1.0	20.0	13.7	50	<0.1	18.3	7.7	199	2.73	12.3	2.5	5.6	9	<0.1	0.8	0.2	54	0.07	0.017	18
1228714	Soil	0.8	25.7	11.8	59	<0.1	21.2	9.9	414	2.37	15.0	5.0	4.8	12	<0.1	0.8	0.2	36	0.12	0.049	17
1228715	Soil	1.0	23.9	12.2	49	<0.1	32.6	9.7	291	2.18	10.4	6.0	5.3	9	<0.1	1.0	0.1	33	0.07	0.036	16
1228716	Soil	0.8	26.0	12.7	54	<0.1	19.9	8.0	214	2.56	14.6	3.2	4.2	7	0.2	0.9	0.2	37	0.06	0.039	12
1228717	Soil	1.2	42.3	17.0	65	<0.1	27.5	12.4	463	2.92	4.8	3.2	11.1	12	<0.1	0.8	0.3	24	0.05	0.030	37
1228718	Soil	1.0	32.7	15.8	66	<0.1	25.5	11.4	380	2.86	10.1	1.8	8.6	14	0.1	1.3	0.2	36	0.07	0.025	29
1228719	Soil	0.7	28.8	9.0	62	<0.1	20.9	7.2	309	1.88	12.2	1.9	4.4	18	0.1	0.9	0.1	27	0.22	0.069	15
1228720	Soil	0.5	20.9	8.9	50	<0.1	16.7	6.5	204	1.85	10.9	34.3	1.8	15	0.1	0.6	0.2	29	0.18	0.072	18
1228721	Soil	0.6	14.6	8.9	42	<0.1	13.3	5.4	162	1.76	10.2	2.2	0.7	12	<0.1	0.5	0.2	28	0.12	0.061	14
1228722	Soil	0.6	21.0	10.7	52	<0.1	17.1	6.4	219	1.93	8.0	5.1	5.0	12	0.2	1.0	0.1	24	0.13	0.049	19
1228723	Soil	0.8	19.0	13.7	51	<0.1	18.1	7.7	210	2.30	13.5	4.4	4.8	7	0.1	0.8	0.2	32	0.05	0.020	14

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

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228647	Soil	20	0.31	159	0.019	1	1.00	0.005	0.04	0.5	0.04	1.5	0.4	<0.05	3	0.8	<0.2
1228648	Soil	17	0.26	128	0.017	1	0.81	0.006	0.03	0.3	0.04	1.3	0.3	<0.05	3	1.0	<0.2
1228649	Soil	22	0.37	211	0.024	<1	0.96	0.006	0.03	0.2	0.05	1.8	0.2	<0.05	3	1.0	<0.2
1228650	Soil	18	0.26	271	0.016	1	0.86	0.006	0.03	0.3	0.04	1.8	0.2	<0.05	2	1.1	<0.2
1228651	Soil	18	0.28	123	0.017	1	0.80	0.005	0.03	0.4	0.04	1.4	0.2	<0.05	3	1.0	<0.2
1228652	Soil	18	0.29	140	0.023	1	0.81	0.006	0.03	0.5	0.03	1.8	0.1	<0.05	2	1.3	<0.2
1228653	Soil	16	0.30	198	0.024	1	0.81	0.006	0.03	0.2	0.03	1.9	0.1	<0.05	2	0.7	<0.2
1228701	Soil	20	0.29	153	0.026	<1	0.93	0.004	0.05	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228702	Soil	53	0.42	178	0.031	1	1.05	0.004	0.07	0.2	0.04	4.2	0.1	<0.05	3	<0.5	<0.2
1228703	Soil	21	0.30	162	0.029	1	0.87	0.005	0.07	0.3	0.05	2.8	0.1	<0.05	2	<0.5	<0.2
1228704	Soil	24	0.24	174	0.015	<1	0.77	0.005	0.07	0.1	0.06	3.2	<0.1	<0.05	2	0.7	<0.2
1228705	Soil	20	0.28	168	0.031	<1	0.85	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	2	<0.5	<0.2
1228706	Soil	23	0.19	74	0.013	<1	0.65	0.003	0.07	0.2	0.04	2.3	0.1	<0.05	2	<0.5	<0.2
1228707	Soil	22	0.30	129	0.030	<1	1.00	0.008	0.05	0.2	0.04	2.7	0.1	<0.05	3	<0.5	<0.2
1228708	Soil	19	0.28	116	0.029	<1	1.05	0.005	0.04	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1228709	Soil	17	0.20	126	0.016	<1	0.87	0.004	0.08	0.3	0.05	2.7	0.1	<0.05	2	<0.5	<0.2
1228710	Soil	21	0.35	208	0.038	1	1.14	0.006	0.05	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1228711	Soil	23	0.34	180	0.030	1	1.35	0.005	0.06	0.2	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1228712	Soil	32	0.41	297	0.051	2	1.78	0.009	0.05	0.2	0.03	4.7	0.1	<0.05	5	0.6	<0.2
1228713	Soil	32	0.39	236	0.043	<1	1.92	0.008	0.04	0.2	0.03	4.5	0.1	<0.05	5	<0.5	<0.2
1228714	Soil	22	0.35	293	0.033	<1	1.13	0.011	0.04	0.2	0.05	3.6	0.1	<0.05	3	0.6	<0.2
1228715	Soil	40	0.38	87	0.026	<1	1.02	0.004	0.04	0.3	0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
1228716	Soil	23	0.34	117	0.027	<1	1.25	0.005	0.03	0.2	0.03	2.0	<0.1	<0.05	3	0.7	<0.2
1228717	Soil	14	0.19	132	0.016	<1	0.77	0.004	0.09	0.2	0.06	2.0	0.1	<0.05	2	<0.5	<0.2
1228718	Soil	20	0.33	261	0.044	1	1.36	0.008	0.08	0.2	0.06	3.6	0.1	<0.05	3	<0.5	<0.2
1228719	Soil	17	0.31	244	0.031	3	0.70	0.007	0.04	0.3	0.04	2.3	<0.1	<0.05	2	0.6	<0.2
1228720	Soil	17	0.26	216	0.020	<1	0.86	0.006	0.03	0.6	0.04	1.6	<0.1	<0.05	2	0.5	<0.2
1228721	Soil	17	0.25	223	0.014	<1	0.99	0.005	0.03	0.2	0.04	1.1	<0.1	<0.05	3	0.6	<0.2
1228722	Soil	15	0.26	135	0.025	<1	0.80	0.005	0.06	0.3	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
1228723	Soil	20	0.32	133	0.025	<1	1.16	0.005	0.04	0.2	0.01	1.8	0.1	<0.05	3	0.7	<0.2

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CERTIFICATE OF ANALYSIS WHI11001421.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228724	Soil		0.8	18.2	11.8	51	<0.1	15.0	5.3	164	2.17	12.7	1.8	4.9	9	0.1	0.6	0.2	36	0.07	0.032	16
1228725	Soil		0.9	14.3	13.6	54	<0.1	15.6	6.9	279	2.20	9.6	3.2	5.1	9	<0.1	0.7	0.2	33	0.09	0.034	21
1228726	Soil		1.1	11.1	16.4	49	<0.1	13.4	5.9	228	2.39	12.8	1.6	3.6	7	<0.1	0.7	0.2	38	0.05	0.029	14
1228727	Soil		0.9	13.7	13.7	54	<0.1	15.0	6.9	223	2.50	13.5	5.9	4.1	8	0.1	0.8	0.2	33	0.05	0.022	14
1228728	Soil		0.9	23.6	20.4	58	0.2	17.3	7.6	243	2.95	14.1	4.1	5.4	21	0.1	1.1	0.2	31	0.20	0.052	25
1228729	Soil		0.5	16.1	10.1	51	<0.1	13.3	4.5	112	1.68	9.3	12.8	4.0	19	0.2	0.7	0.2	27	0.21	0.062	15
1228730	Soil		0.4	11.6	7.0	41	<0.1	11.6	4.0	117	1.19	4.8	3.0	2.7	14	0.1	0.4	0.2	22	0.18	0.059	12
1228731	Soil		0.6	15.3	6.8	48	<0.1	13.2	6.2	183	1.88	9.0	4.9	3.5	13	0.1	0.7	0.2	25	0.18	0.057	13
1228732	Soil		1.2	28.3	8.6	65	0.2	22.3	10.0	282	3.35	20.4	3.4	3.9	19	0.5	0.9	0.2	28	0.27	0.078	14
1228733	Soil		0.7	18.5	8.8	40	<0.1	16.0	6.1	143	2.26	6.9	4.6	7.1	7	<0.1	0.9	0.2	24	0.04	0.020	32
1228734	Soil		0.8	21.4	12.1	58	<0.1	21.7	11.9	340	2.64	13.2	2.9	5.7	8	<0.1	0.9	0.2	39	0.06	0.022	19
1228735	Soil		0.9	15.6	12.5	46	<0.1	15.9	6.3	183	2.29	9.3	1.5	5.3	7	<0.1	0.6	0.2	41	0.05	0.018	18
1228736	Soil		1.1	34.2	14.1	56	<0.1	23.5	7.8	187	2.50	13.3	17.1	7.6	6	<0.1	0.9	0.2	36	0.05	0.016	23
1228737	Soil		0.8	14.2	10.5	40	<0.1	13.7	5.2	125	2.00	8.2	1.8	5.3	6	<0.1	0.6	0.2	34	0.05	0.015	20
1228738	Soil		0.7	20.6	9.0	43	<0.1	15.6	6.5	183	1.84	9.3	2.8	4.8	5	<0.1	0.7	0.2	29	0.04	0.017	17
1228739	Soil		0.8	41.5	8.9	76	<0.1	30.8	17.7	548	3.93	7.6	4.1	5.4	33	<0.1	0.9	0.1	58	0.48	0.106	22
1228740	Soil		0.6	20.5	18.3	53	<0.1	20.9	7.6	168	2.03	13.0	1.9	7.4	17	<0.1	2.1	0.2	19	0.19	0.037	28
1228741	Soil		0.5	20.8	16.8	37	<0.1	18.2	5.3	122	1.91	6.2	1.1	8.4	9	0.2	0.7	0.2	19	0.10	0.023	35
1228742	Soil		0.5	17.9	16.4	42	<0.1	19.6	7.2	218	2.09	5.7	<0.5	9.2	10	<0.1	0.3	0.2	16	0.17	0.028	41
1228743	Soil		0.7	17.9	12.5	51	<0.1	19.0	6.8	172	2.37	9.1	2.3	6.1	7	<0.1	0.6	0.2	38	0.07	0.015	18
1228744	Soil		0.7	20.9	12.3	48	<0.1	19.6	6.8	177	2.21	11.7	6.9	7.1	6	<0.1	0.7	0.2	30	0.06	0.012	18
1228745	Soil		0.5	16.1	11.8	38	<0.1	15.4	5.4	154	1.76	7.1	2.8	8.3	6	<0.1	0.5	0.2	19	0.07	0.012	32
1228746	Soil		0.6	23.6	15.9	60	<0.1	25.3	8.7	276	2.40	7.4	2.4	9.3	16	<0.1	0.5	0.2	21	0.26	0.041	38
1228747	Soil		0.5	16.8	11.8	46	<0.1	18.1	5.6	137	1.94	7.3	3.3	8.1	10	<0.1	0.5	0.1	21	0.17	0.025	31
1228748	Soil		0.6	17.2	62.4	59	0.1	20.1	7.2	197	2.18	44.3	3.4	8.4	9	<0.1	4.7	0.2	23	0.15	0.025	30
1228749	Soil		0.5	19.2	14.9	50	<0.1	20.8	7.1	207	2.10	15.1	2.9	8.6	10	<0.1	0.9	0.1	21	0.15	0.031	28
1228750	Soil		0.8	20.9	12.7	46	<0.1	17.9	6.9	168	2.17	10.3	1.7	5.8	7	<0.1	0.8	0.2	33	0.09	0.014	18
1228751	Soil		0.7	20.7	20.8	41	<0.1	29.7	7.9	171	2.59	5.1	7.6	1.2	8	0.4	0.3	0.2	53	0.06	0.032	25
1228752	Soil		0.7	21.5	13.8	45	<0.1	16.8	6.2	133	2.43	1.9	<0.5	12.7	6	<0.1	0.2	0.2	20	0.02	0.020	43
1228753	Soil		1.0	23.8	21.4	47	<0.1	14.2	5.8	127	2.59	3.8	2.9	8.0	4	<0.1	0.4	0.2	22	0.02	0.025	37

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

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

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228724	Soil	21	0.32	152	0.030	<1	1.32	0.004	0.04	0.2	0.05	2.5	<0.1	<0.05	4	0.5	<0.2
1228725	Soil	20	0.30	171	0.021	<1	1.34	0.005	0.05	0.3	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
1228726	Soil	19	0.23	94	0.021	<1	0.94	0.004	0.05	0.3	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1228727	Soil	21	0.28	134	0.021	<1	1.27	0.004	0.04	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1228728	Soil	19	0.30	290	0.009	<1	1.17	0.005	0.06	0.4	0.09	2.6	0.1	<0.05	3	<0.5	<0.2
1228729	Soil	16	0.30	188	0.017	<1	0.88	0.005	0.03	0.4	0.06	1.5	<0.1	<0.05	3	<0.5	<0.2
1228730	Soil	15	0.27	179	0.014	1	0.77	0.004	0.02	0.4	0.06	1.2	<0.1	<0.05	2	<0.5	<0.2
1228731	Soil	15	0.26	212	0.019	<1	0.80	0.004	0.03	0.2	0.05	1.6	<0.1	<0.05	2	<0.5	<0.2
1228732	Soil	17	0.27	369	0.016	1	0.87	0.005	0.03	0.2	0.05	2.3	<0.1	<0.05	2	0.5	<0.2
1228733	Soil	16	0.25	92	0.014	<1	0.90	0.004	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228734	Soil	25	0.38	225	0.038	<1	1.24	0.006	0.06	0.2	0.06	4.2	<0.1	<0.05	4	<0.5	<0.2
1228735	Soil	24	0.35	137	0.032	<1	1.33	0.005	0.03	0.2	0.02	2.4	0.1	<0.05	4	<0.5	<0.2
1228736	Soil	24	0.36	139	0.030	<1	1.29	0.006	0.04	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1228737	Soil	20	0.28	123	0.021	<1	1.15	0.004	0.03	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1228738	Soil	18	0.28	124	0.025	<1	0.97	0.005	0.03	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228739	Soil	35	0.83	325	0.067	<1	1.72	0.009	0.10	0.1	0.02	2.8	0.2	<0.05	6	<0.5	<0.2
1228740	Soil	13	0.21	144	0.009	<1	0.71	0.004	0.07	0.1	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1228741	Soil	14	0.21	164	0.009	<1	0.75	0.005	0.04	<0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228742	Soil	12	0.14	203	0.005	<1	0.71	0.004	0.05	<0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1228743	Soil	23	0.33	147	0.022	<1	1.30	0.005	0.03	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1228744	Soil	19	0.28	130	0.019	<1	1.08	0.004	0.03	0.2	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1228745	Soil	13	0.20	151	0.008	<1	0.80	0.004	0.04	0.1	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1228746	Soil	16	0.26	204	0.008	<1	0.89	0.005	0.05	0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228747	Soil	15	0.26	181	0.009	<1	0.92	0.004	0.04	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228748	Soil	17	0.27	192	0.009	<1	0.95	0.005	0.05	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228749	Soil	17	0.28	163	0.010	<1	0.88	0.004	0.05	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228750	Soil	22	0.33	163	0.020	<1	1.19	0.005	0.03	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228751	Soil	63	0.45	83	0.014	<1	1.28	0.006	0.06	<0.1	0.08	2.1	0.2	<0.05	4	<0.5	<0.2
1228752	Soil	19	0.27	50	0.007	<1	0.88	0.003	0.03	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1228753	Soil	16	0.17	58	0.011	<1	0.71	0.003	0.03	0.1	0.43	1.5	0.1	<0.05	3	<0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228754	Soil	1.4	34.7	28.0	55	<0.1	21.2	8.4	198	3.14	7.8	1.9	12.0	5	<0.1	0.6	0.3	31	0.03	0.026	33
1228755	Soil	0.6	11.8	14.2	27	<0.1	10.8	3.5	82	1.92	5.1	2.0	5.2	5	<0.1	0.3	0.2	30	0.03	0.023	28
1228756	Soil	0.8	22.1	12.1	49	<0.1	17.7	7.6	237	2.34	11.2	2.5	6.5	6	<0.1	0.7	0.2	35	0.05	0.023	23
1228757	Soil	0.7	8.2	15.8	23	<0.1	7.1	2.2	68	1.75	6.5	1.1	1.5	5	<0.1	0.4	0.2	39	0.03	0.023	17
1228758	Soil	1.0	17.5	14.3	46	<0.1	17.9	6.6	209	2.49	7.8	3.7	2.8	7	<0.1	0.5	0.2	42	0.05	0.048	23
1228759	Soil	0.7	27.7	14.6	55	<0.1	23.5	9.6	258	2.48	6.0	2.9	4.9	7	0.1	0.6	0.2	33	0.06	0.028	36
1228760	Soil	0.8	28.2	20.7	56	<0.1	24.4	10.6	286	2.89	5.3	0.9	7.3	8	0.2	0.5	0.2	30	0.05	0.027	39
1228761	Soil	0.8	21.0	12.6	49	<0.1	19.6	7.6	186	2.33	5.7	32.6	6.2	8	<0.1	0.5	0.2	34	0.05	0.024	30
1228762	Soil	0.8	21.9	22.3	54	<0.1	25.9	10.5	256	2.57	9.5	1.6	5.0	7	<0.1	0.6	0.2	48	0.05	0.039	28
1228763	Soil	1.0	11.9	14.6	47	<0.1	15.8	6.1	170	2.63	10.1	1.0	4.3	6	0.1	0.8	0.2	43	0.04	0.026	14
1228764	Soil	0.2	2.3	10.6	8	<0.1	2.3	0.7	16	0.58	1.7	1.1	0.4	7	<0.1	0.2	0.2	27	0.03	0.047	13
1228765	Soil	0.7	21.5	16.8	44	<0.1	21.1	6.1	141	2.58	5.6	1.9	2.1	9	<0.1	0.3	0.2	32	0.04	0.046	36
1228766	Soil	0.7	6.0	16.5	19	<0.1	7.2	2.5	75	1.82	8.4	1.2	1.3	7	<0.1	0.2	0.2	44	0.05	0.051	17
1228767	Soil	1.1	15.8	22.0	54	<0.1	19.0	6.9	240	2.92	9.0	2.9	2.9	10	0.2	0.7	0.2	34	0.07	0.035	15
1228768	Soil	1.1	22.2	14.2	62	<0.1	17.5	9.4	278	2.73	12.7	3.0	5.4	9	0.2	0.7	0.2	44	0.08	0.042	17
1228769	Soil	1.0	9.5	17.4	55	<0.1	13.3	6.5	239	3.00	11.8	1.9	3.1	9	0.2	0.6	0.2	47	0.08	0.035	11
1228770	Soil	0.5	12.2	13.2	39	<0.1	13.1	5.3	150	2.02	6.3	5.8	1.8	7	0.2	0.3	0.2	27	0.06	0.030	25
1228771	Soil	1.2	13.8	15.1	50	<0.1	16.3	7.3	201	2.38	11.4	4.2	3.9	8	0.2	0.6	0.2	43	0.06	0.029	13
1228772	Soil	0.7	14.9	12.1	50	<0.1	16.4	5.6	147	2.01	10.0	6.2	2.7	12	0.1	0.5	0.1	34	0.14	0.040	12
1228773	Soil	0.8	16.3	10.7	52	<0.1	16.7	5.5	154	2.03	8.4	2.9	1.8	13	0.2	0.5	0.1	38	0.16	0.060	14
1228774	Soil	1.1	16.9	12.9	51	<0.1	17.4	9.6	271	2.49	10.9	3.2	6.2	10	0.1	0.7	0.2	42	0.10	0.046	15
1228775	Soil	1.3	26.5	18.9	52	<0.1	21.8	6.9	132	2.62	9.2	3.7	7.0	9	<0.1	0.6	0.2	29	0.05	0.031	33
1228776	Soil	0.5	12.2	18.6	31	<0.1	12.9	5.2	136	1.43	3.6	1.3	5.0	7	<0.1	0.2	0.2	21	0.04	0.020	21
1228777	Soil	1.3	11.4	15.0	63	<0.1	12.5	7.0	290	3.07	10.7	1.8	3.7	9	<0.1	0.6	0.2	56	0.07	0.029	17
1228778	Soil	0.8	18.2	15.1	54	<0.1	22.3	11.8	352	2.67	10.8	3.4	5.8	9	0.2	0.6	0.2	36	0.07	0.027	15
1228779	Soil	0.8	13.0	17.1	39	<0.1	12.7	6.2	180	2.41	8.0	4.0	4.7	8	<0.1	0.4	0.2	31	0.06	0.030	18
1228780	Soil	1.2	10.6	13.6	50	<0.1	15.8	6.7	220	2.87	10.7	1.1	5.4	7	0.1	0.6	0.2	46	0.06	0.029	14
1228781	Soil	0.9	13.8	15.7	42	<0.1	12.0	4.9	147	2.39	8.7	1.3	5.9	7	<0.1	0.4	0.2	36	0.05	0.042	22
1228782	Soil	0.8	13.8	17.7	47	<0.1	15.9	6.2	146	2.83	9.3	4.4	5.9	7	<0.1	0.4	0.2	35	0.04	0.027	25
1228783	Soil	1.2	15.1	14.3	58	<0.1	19.0	9.1	297	2.79	11.3	3.2	5.2	9	0.2	0.6	0.2	42	0.08	0.052	16

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

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

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

CERTIFICATE OF ANALYSIS WHI11001421.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228784	Soil		1.0	23.9	19.1	46	<0.1	12.8	4.7	132	2.99	10.1	5.1	12.9	5	<0.1	0.3	0.2	28	0.02	0.025	36
1228785	Soil		0.6	16.2	17.8	30	<0.1	10.7	3.8	75	1.76	5.1	2.7	1.2	8	<0.1	0.3	0.2	20	0.03	0.039	26
1228786	Soil		1.6	19.3	20.8	56	<0.1	19.0	8.1	246	2.96	11.9	1.6	9.3	7	0.1	0.7	0.3	42	0.04	0.027	21
1228787	Soil		0.5	15.5	15.3	43	<0.1	8.6	3.3	106	2.55	5.9	2.0	8.6	6	<0.1	0.2	0.2	20	0.02	0.033	40
1228788	Soil		0.9	29.1	27.9	54	<0.1	23.5	11.7	193	2.98	11.1	2.4	13.0	6	<0.1	0.5	0.2	26	0.04	0.025	28
1228789	Soil		0.8	19.8	18.3	45	<0.1	17.6	7.0	170	2.58	9.2	1.0	5.2	6	<0.1	0.4	0.2	27	0.04	0.034	27
1228790	Soil		0.8	19.9	18.2	51	<0.1	17.4	7.8	211	2.41	11.3	1.5	8.9	7	<0.1	0.5	0.2	30	0.05	0.030	26
1228791	Soil		1.0	23.0	26.3	40	<0.1	9.3	4.4	146	2.49	6.9	1.6	4.9	8	<0.1	0.3	0.4	31	0.04	0.029	24
1228792	Soil		0.7	9.2	13.8	29	<0.1	7.5	3.0	74	1.82	6.8	2.4	1.8	6	<0.1	0.3	0.2	28	0.04	0.042	23
1228793	Soil		0.8	20.5	14.8	56	<0.1	22.3	9.4	185	2.30	10.7	2.8	7.1	6	0.2	0.7	0.2	33	0.05	0.018	16
1228794	Soil		1.2	16.3	18.4	51	<0.1	13.7	7.0	279	2.77	11.4	2.6	6.1	8	<0.1	0.6	0.2	42	0.06	0.030	18
1228795	Soil		1.1	25.4	16.8	54	<0.1	16.2	8.8	287	2.69	12.8	4.0	7.5	10	0.1	0.8	0.2	44	0.08	0.035	20
1228796	Soil		0.8	27.8	30.6	53	<0.1	15.2	6.8	220	2.51	8.4	3.3	8.3	9	<0.1	0.5	0.3	26	0.06	0.035	35
1228797	Soil		0.9	19.6	17.5	51	<0.1	20.1	8.3	178	2.63	10.4	1.4	8.5	7	0.1	0.6	0.2	39	0.05	0.022	25
1228798	Soil		0.7	14.5	12.6	33	<0.1	12.8	4.2	132	1.64	9.3	1.9	6.7	12	<0.1	0.5	0.2	21	0.20	0.016	27
1228799	Soil		1.1	21.0	16.0	49	<0.1	19.9	6.4	187	2.46	11.2	0.9	7.3	10	<0.1	0.7	0.2	26	0.09	0.018	22
1228800	Soil		0.9	40.9	20.5	82	<0.1	34.3	11.8	393	3.67	14.3	1.4	12.1	9	<0.1	0.7	0.3	19	0.04	0.022	34
1228801	Soil		0.8	18.1	13.7	49	0.4	17.1	6.7	180	2.42	10.8	1.5	6.6	8	<0.1	1.0	0.2	32	0.06	0.018	20
1228802	Soil		1.1	36.0	17.4	76	0.2	35.1	18.0	689	3.43	12.1	21.3	15.4	21	<0.1	1.6	0.6	23	0.18	0.039	37
1228803	Soil		0.5	38.3	25.0	80	<0.1	34.2	17.3	823	3.65	15.6	2.1	16.8	17	0.1	1.0	0.4	26	0.16	0.042	45
1228804	Soil		1.1	11.7	19.2	52	1.0	14.0	7.6	212	2.49	13.5	2.3	5.6	10	<0.1	0.6	0.2	48	0.10	0.016	18
1228805	Soil		0.8	33.6	13.7	59	<0.1	24.5	8.7	212	2.87	18.2	6.0	8.8	9	<0.1	0.9	0.2	35	0.06	0.017	27
1228806	Soil		0.8	22.7	11.8	50	<0.1	18.9	7.1	210	2.46	9.9	1.4	7.9	14	<0.1	0.6	0.2	28	0.14	0.016	28
1228807	Soil		0.6	12.3	17.9	35	<0.1	15.3	6.0	152	1.94	11.8	16.3	6.9	34	<0.1	0.5	0.2	32	0.42	0.016	20
1228808	Soil		0.6	13.0	17.3	41	0.2	16.9	9.4	1071	2.12	4.5	<0.5	5.9	22	<0.1	0.4	0.2	36	0.23	0.029	18
1228809	Soil		0.6	27.8	20.2	55	<0.1	28.2	11.1	339	2.76	10.3	1.1	10.2	34	<0.1	0.6	0.3	29	0.38	0.017	24
1228810	Soil		0.7	35.3	32.3	83	<0.1	39.7	18.0	561	4.25	7.3	34.2	22.0	39	<0.1	0.5	0.6	21	0.73	0.028	35
1228811	Soil		0.6	29.2	24.2	45	0.4	21.3	8.5	369	2.40	14.5	2.6	9.2	70	0.1	0.7	0.2	21	0.94	0.028	23
1228812	Soil		1.1	31.1	27.2	58	0.3	24.6	10.6	543	3.07	13.4	1.1	9.8	42	0.2	0.7	0.3	18	0.46	0.033	26
1228813	Soil		0.9	26.2	27.6	67	0.1	24.1	11.7	454	3.19	20.3	0.9	9.4	47	0.2	0.8	0.3	23	0.59	0.034	30

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	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
1228784	Soil	19	0.41	65	0.007	<1	1.44	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1228785	Soil	13	0.19	72	0.004	<1	0.80	0.004	0.03	0.1	0.04	0.6	<0.1	<0.05	3	<0.5	<0.2
1228786	Soil	27	0.44	111	0.025	<1	1.89	0.005	0.04	0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1228787	Soil	17	0.42	58	0.006	<1	1.29	0.005	0.03	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1228788	Soil	21	0.44	77	0.015	<1	1.51	0.005	0.04	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1228789	Soil	19	0.36	77	0.011	<1	1.14	0.005	0.03	0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1228790	Soil	19	0.38	149	0.015	<1	1.20	0.008	0.03	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1228791	Soil	19	0.35	74	0.014	<1	1.20	0.004	0.03	0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1228792	Soil	16	0.25	66	0.012	<1	0.99	0.005	0.03	0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1228793	Soil	21	0.38	136	0.024	<1	1.40	0.004	0.04	0.2	0.04	2.1	<0.1	<0.05	3	0.7	<0.2
1228794	Soil	27	0.42	121	0.029	<1	1.69	0.007	0.04	0.2	0.04	2.9	0.1	<0.05	4	0.5	<0.2
1228795	Soil	29	0.43	173	0.033	2	1.70	0.012	0.04	0.2	0.08	3.4	0.1	<0.05	4	0.5	<0.2
1228796	Soil	20	0.44	111	0.017	<1	1.21	0.005	0.04	<0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
1228797	Soil	23	0.39	117	0.025	<1	1.51	0.005	0.05	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1228798	Soil	12	0.23	121	0.007	<1	0.84	0.005	0.05	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1228799	Soil	16	0.28	114	0.013	<1	0.99	0.007	0.05	0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1228800	Soil	17	0.40	100	0.007	<1	1.12	0.009	0.06	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1228801	Soil	20	0.34	117	0.015	<1	1.32	0.007	0.05	0.1	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
1228802	Soil	21	0.64	172	0.020	2	1.44	0.005	0.08	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1228803	Soil	22	0.59	143	0.049	1	1.03	0.011	0.07	0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1228804	Soil	24	0.34	200	0.027	1	1.69	0.006	0.05	0.2	0.01	2.3	0.1	<0.05	5	0.6	<0.2
1228805	Soil	24	0.44	177	0.021	1	1.42	0.004	0.05	0.2	0.02	2.3	<0.1	<0.05	4	0.5	<0.2
1228806	Soil	21	0.42	156	0.013	1	1.46	0.007	0.05	0.1	0.01	2.2	<0.1	<0.05	4	0.7	<0.2
1228807	Soil	19	0.24	249	0.009	1	1.31	0.005	0.04	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228808	Soil	17	0.24	305	0.014	1	1.16	0.009	0.11	0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1228809	Soil	20	0.39	185	0.014	<1	1.33	0.005	0.05	0.2	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1228810	Soil	20	0.53	146	0.009	1	1.48	0.004	0.07	0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1228811	Soil	16	0.30	256	0.004	1	1.26	0.008	0.07	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1228812	Soil	17	0.42	164	0.006	<1	1.19	0.005	0.07	<0.1	0.01	1.9	<0.1	<0.05	3	0.7	<0.2
1228813	Soil	18	0.44	211	0.008	2	1.25	0.006	0.07	<0.1	0.02	2.4	<0.1	<0.05	3	0.7	<0.2

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		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
1228814	Soil		0.7	23.3	21.3	63	0.1	22.7	8.9	276	2.59	16.0	3.7	8.7	37	0.1	0.8	0.2	23	0.55	0.043	24
1228815	Soil		0.9	23.6	19.5	64	0.1	21.8	9.3	310	2.56	15.8	7.5	7.4	33	0.1	0.9	0.2	30	0.48	0.028	24
1228816	Soil		0.6	22.3	10.3	54	0.1	19.2	7.9	303	1.91	13.2	1.6	3.8	23	0.2	0.8	0.2	27	0.30	0.070	14
1228817	Soil		0.6	17.0	9.7	36	0.2	17.2	8.7	319	1.71	7.8	0.9	2.0	35	0.2	0.6	0.2	28	0.77	0.066	13
1228818	Soil		0.6	22.0	9.7	54	<0.1	19.4	7.6	238	1.88	12.4	2.2	4.7	12	0.1	0.7	0.2	29	0.14	0.043	17
1228819	Soil		1.2	19.3	17.9	71	0.1	26.4	9.4	221	2.86	28.3	1.6	4.8	13	0.1	1.1	0.2	43	0.13	0.038	14
1228820	Soil		0.7	23.7	19.6	74	0.1	25.0	10.1	364	2.70	13.0	1.5	8.7	23	0.2	0.7	0.3	33	0.41	0.032	26
1228821	Soil		0.9	24.7	12.2	68	0.1	23.1	8.1	379	2.15	12.9	1.4	4.9	21	0.2	1.0	0.2	30	0.29	0.065	17
1228822	Soil		0.7	24.5	11.7	66	0.1	22.2	7.3	274	2.14	11.5	1.4	5.1	21	0.2	1.0	0.2	31	0.33	0.063	19
1228823	Soil		1.0	17.3	11.3	57	<0.1	21.0	7.5	228	2.15	11.7	2.2	5.0	18	<0.1	0.8	0.2	39	0.27	0.044	16
1228824	Soil		1.0	18.1	10.4	49	<0.1	19.3	7.6	312	2.02	14.4	7.4	4.5	19	<0.1	0.9	0.2	38	0.26	0.043	15
1228825	Soil		0.8	23.7	11.3	52	<0.1	22.5	7.3	219	1.97	16.1	2.8	4.6	18	<0.1	0.7	0.2	32	0.25	0.050	16
1228826	Soil		0.7	30.1	22.3	68	0.2	28.0	10.0	384	2.38	14.5	2.3	9.2	60	0.3	0.8	0.2	22	1.39	0.062	21
1228827	Soil		0.8	20.9	17.5	47	0.2	21.6	9.0	155	2.34	10.3	14.1	8.3	20	<0.1	0.7	0.2	36	0.22	0.012	23
1228828	Soil		0.8	27.4	12.7	54	0.1	20.6	7.2	191	2.00	12.8	1.8	4.5	28	0.1	0.8	0.2	28	0.37	0.046	16
1228829	Soil		0.9	26.8	14.2	57	0.2	24.0	8.9	383	2.28	12.3	3.4	3.9	58	0.1	0.9	0.2	36	0.66	0.069	16
1228830	Soil		0.7	15.8	10.1	48	0.1	16.9	6.9	221	1.86	11.2	0.9	2.8	41	<0.1	0.6	0.2	26	0.54	0.069	13
1228831	Soil		0.8	18.8	12.2	48	0.1	17.7	8.1	309	1.97	10.8	2.7	3.1	55	0.4	0.8	0.2	27	0.84	0.075	15
1228832	Soil		0.8	19.7	11.8	55	<0.1	18.0	7.2	308	1.93	15.4	1.5	4.1	17	0.1	1.2	0.2	27	0.24	0.052	16
1228833	Soil		0.4	10.5	13.1	44	<0.1	13.9	6.8	281	1.82	8.5	1.1	4.6	45	0.2	0.7	0.2	17	0.69	0.042	22
1228834	Soil		1.0	18.9	14.8	50	<0.1	17.7	6.8	168	2.67	10.3	3.0	6.9	9	<0.1	1.1	0.2	48	0.06	0.022	22
1228835	Soil		0.7	21.2	13.4	48	<0.1	19.6	7.2	162	2.45	14.9	3.7	5.5	7	<0.1	0.9	0.2	34	0.05	0.022	15
1228836	Soil		0.7	26.2	13.5	55	<0.1	22.4	8.7	252	2.52	13.3	2.4	6.9	11	0.1	0.9	0.2	44	0.07	0.014	23
1228837	Soil		1.0	19.1	14.3	46	<0.1	18.7	6.5	144	2.52	6.8	3.4	7.1	7	<0.1	0.7	0.2	29	0.04	0.023	34
1228838	Soil		0.6	35.7	27.0	82	0.1	34.2	14.2	320	3.08	16.3	5.7	16.0	17	<0.1	6.1	0.4	12	0.10	0.026	62
1228839	Soil		0.6	30.1	18.4	58	0.1	27.3	11.8	400	2.54	7.1	10.8	12.2	18	<0.1	2.6	0.3	19	0.18	0.031	42
1228840	Soil		0.6	17.4	12.8	43	<0.1	15.7	6.0	145	1.93	9.0	4.2	5.6	12	<0.1	1.5	0.2	25	0.13	0.040	25
1228841	Soil		0.8	18.4	12.3	42	<0.1	16.9	5.7	145	1.98	9.5	3.2	6.0	10	<0.1	0.7	0.2	25	0.11	0.036	21
1228842	Soil		0.7	23.3	12.9	52	<0.1	17.1	6.0	173	2.01	12.7	5.4	5.4	10	<0.1	1.0	0.2	26	0.13	0.049	23
1228843	Soil		0.5	11.8	9.0	34	<0.1	12.1	5.3	137	1.61	9.2	1.8	3.6	9	<0.1	0.5	0.1	26	0.11	0.035	13

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

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228814	Soil	17	0.41	191	0.014	<1	0.94	0.007	0.05	0.2	0.02	2.3	<0.1	<0.05	3	0.8	<0.2
1228815	Soil	19	0.42	361	0.012	1	1.26	0.008	0.07	0.2	0.02	2.6	<0.1	<0.05	4	0.7	<0.2
1228816	Soil	16	0.32	242	0.025	1	0.71	0.007	0.05	0.2	0.04	2.1	<0.1	<0.05	2	0.6	<0.2
1228817	Soil	16	0.32	455	0.013	1	0.99	0.006	0.03	0.2	0.03	2.1	<0.1	<0.05	3	1.1	<0.2
1228818	Soil	18	0.29	227	0.031	3	0.91	0.008	0.03	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1228819	Soil	25	0.34	178	0.026	<1	1.49	0.004	0.05	0.3	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1228820	Soil	22	0.46	473	0.009	12	1.61	0.007	0.07	0.2	0.02	2.9	<0.1	<0.05	4	0.5	<0.2
1228821	Soil	18	0.38	307	0.024	<1	0.82	0.006	0.04	0.2	0.03	2.1	<0.1	<0.05	2	<0.5	<0.2
1228822	Soil	17	0.38	340	0.027	1	0.90	0.008	0.05	0.2	0.04	2.3	<0.1	<0.05	3	0.5	<0.2
1228823	Soil	22	0.39	310	0.026	1	1.29	0.006	0.04	0.2	0.02	2.9	<0.1	<0.05	4	0.6	<0.2
1228824	Soil	21	0.34	302	0.035	1	1.04	0.006	0.05	0.3	0.02	2.4	<0.1	<0.05	3	0.5	<0.2
1228825	Soil	18	0.36	293	0.027	1	0.94	0.007	0.04	0.3	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1228826	Soil	13	0.48	199	0.017	2	0.87	0.006	0.06	0.2	0.02	2.3	<0.1	<0.05	2	0.6	<0.2
1228827	Soil	23	0.42	225	0.025	1	1.43	0.007	0.07	0.1	0.02	2.8	<0.1	<0.05	4	0.5	<0.2
1228828	Soil	16	0.33	254	0.023	<1	0.82	0.007	0.04	0.2	0.03	2.3	<0.1	<0.05	2	0.6	<0.2
1228829	Soil	21	0.41	394	0.025	2	1.14	0.010	0.05	0.2	0.04	2.8	<0.1	<0.05	3	0.9	<0.2
1228830	Soil	16	0.32	212	0.018	1	0.83	0.006	0.04	0.3	0.02	1.9	<0.1	<0.05	2	0.5	<0.2
1228831	Soil	17	0.33	261	0.016	1	0.82	0.005	0.03	0.4	0.03	1.9	<0.1	0.05	2	1.0	<0.2
1228832	Soil	16	0.31	178	0.025	1	0.75	0.006	0.04	0.3	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1228833	Soil	14	0.33	136	0.007	<1	0.74	0.005	0.04	0.2	0.02	1.2	<0.1	<0.05	2	0.5	<0.2
1228834	Soil	25	0.32	154	0.031	<1	1.72	0.006	0.04	0.2	0.02	2.4	0.1	<0.05	5	0.8	<0.2
1228835	Soil	21	0.30	84	0.028	<1	1.27	0.004	0.03	0.2	0.03	1.9	<0.1	<0.05	3	0.6	<0.2
1228836	Soil	28	0.41	221	0.045	<1	1.51	0.010	0.05	0.2	0.04	4.9	<0.1	<0.05	4	0.5	<0.2
1228837	Soil	16	0.19	78	0.011	<1	0.85	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1228838	Soil	11	0.11	86	0.003	<1	0.41	0.004	0.04	<0.1	0.08	1.5	<0.1	<0.05	2	<0.5	<0.2
1228839	Soil	14	0.17	173	0.006	<1	0.69	0.006	0.04	<0.1	0.08	2.1	<0.1	<0.05	3	<0.5	<0.2
1228840	Soil	17	0.26	131	0.012	1	0.92	0.005	0.03	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1228841	Soil	14	0.24	107	0.017	<1	0.90	0.005	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1228842	Soil	16	0.27	151	0.020	1	0.88	0.010	0.04	0.4	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1228843	Soil	13	0.23	138	0.019	<1	0.81	0.004	0.02	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2

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Toronto ON M5X 1C9 Canada

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

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228844	Soil	0.6	18.9	10.0	46	<0.1	15.6	5.7	121	1.83	9.2	12.0	5.1	12	<0.1	0.6	0.2	20	0.14	0.051	23
1228845	Soil	0.6	25.6	8.2	53	<0.1	17.5	6.8	249	1.72	13.0	1.5	3.7	11	0.1	0.8	0.1	22	0.16	0.053	13
1228846	Soil	0.7	27.7	12.9	52	0.1	19.7	7.4	210	2.07	17.1	5.9	2.5	13	<0.1	1.4	0.2	24	0.18	0.049	21
1228847	Soil	0.7	17.1	8.9	46	<0.1	15.8	7.4	232	1.89	12.4	12.7	4.4	12	<0.1	0.9	0.2	31	0.18	0.044	17
1228848	Soil	0.6	14.2	7.7	39	<0.1	14.3	6.3	212	1.71	11.9	17.3	2.7	9	<0.1	0.5	0.1	22	0.12	0.051	9
1228849	Soil	0.8	24.8	15.9	60	0.1	21.1	8.4	366	1.96	17.2	53.2	5.2	16	0.2	2.2	0.2	25	0.22	0.057	18
1228850	Soil	0.6	19.6	14.3	52	<0.1	16.3	6.4	196	1.78	14.6	2.7	5.8	13	<0.1	2.0	0.2	25	0.17	0.043	18
1228851	Soil	0.5	20.0	11.8	52	<0.1	17.0	6.2	212	1.80	14.9	2.6	5.3	16	0.1	1.9	0.2	23	0.22	0.056	18
1228852	Soil	0.7	25.8	11.7	57	0.1	21.3	7.1	232	2.04	16.0	2.7	4.4	18	0.2	1.7	0.2	29	0.28	0.063	17
1228853	Soil	0.7	17.5	9.7	48	<0.1	15.2	5.2	159	1.73	11.4	2.3	4.1	14	<0.1	1.1	0.2	27	0.20	0.047	15
1228854	Soil	0.6	28.4	19.9	66	0.1	24.3	9.4	393	2.21	21.4	5.6	7.0	20	0.2	3.1	0.3	25	0.30	0.058	23
1228855	Soil	0.5	18.1	9.1	43	<0.1	17.1	5.4	210	1.60	11.1	26.0	4.6	15	<0.1	1.3	0.2	22	0.22	0.053	17
1228856	Soil	0.9	27.3	17.9	69	0.1	23.7	8.6	316	2.27	21.5	4.0	7.1	23	0.2	3.1	0.2	31	0.32	0.062	24
1228857	Soil	0.7	19.6	14.2	54	<0.1	17.2	6.5	211	1.93	17.2	6.3	6.7	17	<0.1	2.6	0.2	25	0.23	0.050	23
1228858	Soil	0.6	18.5	13.4	52	<0.1	16.9	5.6	178	2.01	17.2	3.5	6.6	17	<0.1	2.6	0.2	25	0.21	0.046	22
1228859	Soil	0.7	33.7	25.0	76	0.2	29.1	11.0	556	2.76	29.9	4.8	8.3	28	0.3	5.8	0.4	22	0.43	0.055	31
1228860	Soil	0.6	27.0	24.7	65	<0.1	23.1	10.2	356	2.43	26.0	3.8	9.3	21	0.1	5.2	0.4	22	0.30	0.054	31
1228861	Soil	0.7	22.6	16.6	57	<0.1	21.1	7.8	212	2.30	23.6	3.0	7.4	11	0.1	3.6	0.3	22	0.13	0.029	26
1228862	Soil	0.8	21.4	22.5	62	0.1	20.4	8.5	291	2.19	33.7	2.4	7.2	19	0.2	4.0	0.3	21	0.27	0.040	24
1228863	Soil	0.6	41.1	22.2	74	0.1	31.6	14.4	419	2.96	29.1	7.5	10.8	26	0.2	3.7	0.3	34	0.39	0.058	31
1228864	Soil	0.8	28.8	20.3	72	0.2	26.7	9.3	237	2.59	36.6	3.8	8.3	24	0.2	3.7	0.3	24	0.39	0.046	28
1228865	Soil	0.8	28.9	19.7	77	<0.1	27.8	10.8	382	2.60	48.3	7.9	9.1	17	0.2	3.7	0.3	25	0.22	0.056	30
1228866	Soil	0.7	21.0	14.3	55	0.1	19.3	7.0	193	1.90	33.9	7.7	5.9	10	0.2	2.7	0.2	20	0.14	0.035	23
1228867	Soil	0.9	27.8	21.6	83	0.2	25.9	10.4	504	2.35	33.8	4.7	7.2	40	0.3	3.0	0.3	28	0.59	0.066	23
1228868	Soil	0.8	33.7	22.6	89	0.2	28.1	10.2	433	2.50	36.0	43.0	8.7	21	0.3	3.1	0.3	30	0.36	0.065	24
1228869	Soil	0.6	22.1	21.5	60	0.1	21.3	12.6	526	2.36	45.9	8.5	8.4	16	0.2	4.5	0.3	20	0.21	0.047	27
1228870	Soil	0.7	27.2	22.2	69	0.2	22.9	8.9	361	2.39	39.8	4.0	8.2	23	0.2	3.8	0.4	23	0.39	0.051	27
1228871	Soil	0.8	28.5	20.6	67	0.2	27.7	10.5	756	2.20	33.2	7.4	6.2	31	0.3	3.4	0.3	22	0.57	0.050	23
1228872	Soil	0.7	28.5	24.0	71	0.2	22.0	9.2	288	2.26	40.2	4.8	7.3	27	0.3	4.6	0.4	22	0.48	0.053	26
1228873	Soil	0.8	27.7	22.4	68	0.1	23.8	9.6	316	2.42	42.6	5.2	8.2	17	0.2	4.5	0.4	23	0.24	0.051	26

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		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228844	Soil		13	0.25	157	0.010	<1	0.72	0.004	0.03	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1228845	Soil		14	0.25	147	0.016	<1	0.61	0.004	0.02	0.2	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1228846	Soil		15	0.30	183	0.009	<1	0.88	0.005	0.05	0.3	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1228847	Soil		15	0.28	182	0.022	<1	0.95	0.005	0.03	0.4	0.04	1.8	0.1	<0.05	3	<0.5	<0.2
1228848	Soil		13	0.25	80	0.016	1	0.65	0.003	0.02	0.2	0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
1228849	Soil		16	0.27	170	0.018	<1	0.74	0.005	0.04	0.3	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228850	Soil		17	0.31	139	0.023	<1	0.82	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1228851	Soil		15	0.30	118	0.022	1	0.78	0.006	0.06	0.3	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1228852	Soil		18	0.31	222	0.018	1	0.91	0.007	0.06	0.4	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1228853	Soil		16	0.28	186	0.014	<1	0.84	0.005	0.03	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228854	Soil		17	0.32	228	0.011	<1	0.92	0.007	0.07	0.3	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1228855	Soil		14	0.26	192	0.014	<1	0.70	0.006	0.04	0.3	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
1228856	Soil		20	0.36	203	0.029	1	1.00	0.010	0.08	0.3	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1228857	Soil		16	0.30	145	0.019	<1	0.87	0.006	0.06	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1228858	Soil		17	0.30	133	0.016	<1	0.92	0.006	0.06	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1228859	Soil		18	0.32	136	0.008	<1	1.03	0.008	0.12	0.3	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1228860	Soil		17	0.31	104	0.015	<1	0.91	0.007	0.10	0.3	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1228861	Soil		16	0.30	95	0.011	<1	0.96	0.004	0.07	0.3	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228862	Soil		17	0.29	133	0.007	<1	0.94	0.007	0.07	0.5	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228863	Soil		32	0.56	100	0.030	<1	1.24	0.016	0.17	0.4	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
1228864	Soil		21	0.37	127	0.010	<1	1.19	0.012	0.11	0.6	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1228865	Soil		23	0.39	117	0.017	<1	1.16	0.010	0.12	0.6	0.03	2.3	0.1	<0.05	3	<0.5	<0.2
1228866	Soil		16	0.30	104	0.008	<1	0.95	0.005	0.06	0.6	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1228867	Soil		21	0.47	158	0.024	1	1.14	0.015	0.09	0.7	0.04	2.5	0.1	0.05	4	0.7	<0.2
1228868	Soil		21	0.45	154	0.030	<1	1.13	0.014	0.10	0.7	0.04	2.7	0.2	<0.05	4	<0.5	<0.2
1228869	Soil		16	0.32	94	0.016	<1	0.82	0.006	0.06	0.6	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1228870	Soil		18	0.36	144	0.014	<1	1.00	0.008	0.08	0.7	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1228871	Soil		19	0.35	136	0.012	<1	0.94	0.008	0.07	0.5	0.04	1.9	<0.1	0.07	3	<0.5	<0.2
1228872	Soil		17	0.34	135	0.012	1	0.87	0.008	0.08	0.8	0.05	1.9	<0.1	0.06	3	<0.5	<0.2
1228873	Soil		18	0.36	142	0.019	<1	0.91	0.008	0.08	0.7	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1228874	Soil	0.7	27.2	23.4	71	0.2	22.0	8.2	234	2.36	35.4	4.3	8.2	21	0.1	5.0	0.4	23	0.28	0.053	26
1228875	Soil	1.0	19.3	13.3	51	<0.1	15.8	7.2	254	2.54	12.0	1.5	3.3	12	<0.1	0.7	0.2	46	0.09	0.041	18
1228876	Soil	1.1	15.6	12.2	60	<0.1	13.4	5.9	229	2.55	10.5	1.0	1.6	9	0.1	0.6	0.2	48	0.09	0.070	16
1228877	Soil	1.2	22.5	9.3	61	<0.1	18.5	7.6	252	2.25	9.6	2.8	4.2	9	0.1	0.9	0.2	37	0.07	0.026	15
1228878	Soil	0.7	11.8	10.9	34	<0.1	10.1	3.6	128	1.78	8.4	2.2	0.4	8	0.1	0.7	0.2	40	0.06	0.040	16
1228879	Soil	1.3	16.5	10.9	47	0.1	13.0	4.2	136	1.75	9.5	3.4	1.5	10	0.1	1.6	0.6	33	0.05	0.028	22
1228880	Soil	0.9	17.4	10.8	57	<0.1	21.2	7.9	219	2.37	10.3	4.5	0.6	13	<0.1	0.7	0.3	47	0.12	0.038	16
1228881	Soil	0.6	8.1	13.6	27	<0.1	7.0	2.3	68	1.45	6.0	2.8	0.3	8	<0.1	0.3	0.3	39	0.06	0.081	14
1228882	Soil	1.0	22.1	12.6	59	<0.1	18.7	7.1	190	2.35	8.9	2.2	5.6	8	0.2	0.5	0.2	32	0.05	0.030	25
1228883	Soil	1.1	15.2	16.5	48	<0.1	15.8	5.6	182	2.50	11.4	2.1	3.0	9	0.1	0.5	0.3	44	0.08	0.032	15
1228884	Soil	1.2	19.8	13.3	56	0.3	18.6	7.2	221	2.62	10.4	4.4	6.3	8	0.1	0.6	0.2	47	0.06	0.019	20
1228885	Soil	1.1	18.5	16.5	61	<0.1	21.9	7.3	235	2.73	13.7	0.6	4.6	8	0.1	0.8	0.2	39	0.06	0.024	15
1228886	Soil	0.8	15.4	19.7	65	0.1	14.8	5.5	171	2.22	20.3	1.0	9.9	6	<0.1	0.4	0.4	26	0.04	0.014	25
1228887	Soil	1.3	14.8	18.3	57	0.1	14.6	5.7	215	3.22	17.9	1.8	1.5	9	0.2	1.0	0.3	45	0.06	0.052	14
1228888	Soil	1.9	20.5	59.0	80	0.2	20.6	9.1	288	3.30	27.5	2.1	10.0	10	0.2	1.1	0.6	45	0.06	0.044	24
1228889	Soil	0.9	16.3	20.2	50	<0.1	17.6	6.1	152	2.51	12.0	2.2	7.7	7	0.1	0.7	0.3	32	0.05	0.020	22
1228890	Soil	1.5	14.7	14.0	45	0.1	14.5	5.6	154	2.47	10.6	7.5	5.1	9	0.1	0.7	0.2	53	0.07	0.019	16
1228891	Soil	1.6	18.7	11.6	48	<0.1	17.4	5.6	149	2.28	11.9	2.7	5.4	13	<0.1	0.8	0.4	43	0.06	0.019	23
1228892	Soil	1.7	97.1	14.9	76	0.1	35.1	14.4	806	2.94	12.3	2.6	6.5	8	0.1	0.9	0.4	35	0.03	0.024	21
1228893	Soil	1.6	40.3	45.1	97	0.3	23.4	7.7	378	2.59	14.8	3.2	4.7	15	0.3	1.5	0.4	29	0.06	0.045	29
1228894	Soil	1.4	20.2	17.7	56	<0.1	15.2	5.1	157	2.17	9.0	3.0	0.6	10	0.2	0.7	0.3	38	0.05	0.040	16
1228895	Soil	1.6	26.3	11.9	67	0.2	18.7	6.5	217	2.19	12.4	3.0	3.2	12	0.2	1.1	0.3	35	0.08	0.046	20
1228896	Soil	1.4	17.0	9.7	53	<0.1	13.3	5.5	211	2.10	10.1	3.2	1.2	9	0.1	0.7	0.2	36	0.08	0.049	16
1228897	Soil	2.5	22.7	18.2	41	0.2	11.5	3.6	120	2.01	9.4	4.5	0.4	12	0.2	0.5	1.2	38	0.06	0.085	13
1228898	Soil	1.0	29.6	12.9	59	0.1	20.3	7.6	216	2.63	11.3	4.1	4.7	9	<0.1	0.7	0.2	46	0.07	0.022	15
1228899	Soil	1.2	20.5	8.8	41	0.1	10.7	2.6	189	1.17	5.4	1.7	0.1	10	0.2	0.4	0.3	38	0.05	0.037	12
1228900	Soil	1.8	42.1	15.7	62	<0.1	19.5	7.9	298	3.11	11.6	11.7	3.0	14	0.2	0.7	0.3	51	0.10	0.036	16
1228901	Soil	1.1	38.3	11.7	56	<0.1	22.0	7.9	241	2.24	7.8	3.2	4.7	12	<0.1	0.7	0.2	39	0.10	0.023	16
1228902	Soil	1.3	15.5	13.5	55	0.4	18.4	9.2	239	2.68	13.3	3.4	5.1	11	0.1	0.7	0.2	52	0.07	0.023	14
1228903	Soil	1.3	63.2	13.8	48	<0.1	20.9	7.9	268	2.24	10.1	5.1	4.5	11	0.1	0.6	0.2	43	0.10	0.037	20

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

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228874	Soil	19	0.36	159	0.022	1	0.93	0.009	0.07	0.6	0.06	2.2	<0.1	<0.05	3	<0.5	<0.2
1228875	Soil	26	0.38	199	0.027	<1	1.58	0.006	0.04	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1228876	Soil	27	0.40	153	0.018	<1	1.59	0.005	0.04	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
1228877	Soil	22	0.38	144	0.029	<1	1.34	0.005	0.03	0.2	0.04	2.3	0.2	<0.05	4	0.8	<0.2
1228878	Soil	20	0.25	96	0.016	<1	1.11	0.004	0.03	0.1	0.03	1.0	0.3	<0.05	5	<0.5	<0.2
1228879	Soil	18	0.28	121	0.016	<1	0.97	0.004	0.04	0.2	0.04	1.5	0.5	<0.05	3	0.6	<0.2
1228880	Soil	24	0.57	171	0.027	<1	1.45	0.005	0.03	0.1	0.02	1.7	0.2	<0.05	6	<0.5	<0.2
1228881	Soil	18	0.20	123	0.014	<1	1.16	0.006	0.03	<0.1	0.02	0.7	0.2	<0.05	6	<0.5	<0.2
1228882	Soil	22	0.42	106	0.017	<1	1.38	0.004	0.04	0.2	0.01	2.0	0.2	<0.05	4	<0.5	<0.2
1228883	Soil	25	0.37	111	0.022	<1	1.47	0.004	0.04	0.2	0.02	1.8	0.2	<0.05	5	0.5	<0.2
1228884	Soil	27	0.40	168	0.028	<1	1.73	0.006	0.05	0.2	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1228885	Soil	24	0.35	146	0.020	<1	1.51	0.004	0.05	0.2	0.02	2.1	0.2	<0.05	4	0.6	<0.2
1228886	Soil	17	0.24	107	0.011	<1	1.25	0.003	0.06	0.1	0.01	2.0	0.4	<0.05	3	<0.5	<0.2
1228887	Soil	23	0.30	86	0.018	<1	1.16	0.004	0.05	0.2	0.02	1.3	0.3	<0.05	4	0.6	<0.2
1228888	Soil	26	0.29	107	0.017	<1	1.54	0.006	0.07	0.2	0.03	2.1	0.4	<0.05	5	<0.5	<0.2
1228889	Soil	19	0.26	144	0.010	<1	1.46	0.003	0.04	0.2	0.03	2.1	0.2	<0.05	4	<0.5	<0.2
1228890	Soil	26	0.32	223	0.023	<1	1.67	0.005	0.04	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1228891	Soil	23	0.36	218	0.017	<1	1.44	0.005	0.04	0.2	0.03	2.0	0.3	<0.05	5	<0.5	<0.2
1228892	Soil	22	0.46	275	0.009	<1	1.47	0.003	0.04	0.2	0.03	2.7	0.6	<0.05	5	<0.5	<0.2
1228893	Soil	17	0.31	146	0.022	<1	0.97	0.004	0.05	0.2	0.02	2.4	0.6	<0.05	3	<0.5	<0.2
1228894	Soil	21	0.31	171	0.007	<1	1.22	0.004	0.03	0.2	0.03	1.0	0.2	<0.05	4	<0.5	<0.2
1228895	Soil	21	0.34	174	0.012	<1	1.08	0.004	0.04	0.2	0.04	2.2	0.6	<0.05	4	<0.5	<0.2
1228896	Soil	20	0.31	128	0.013	<1	1.13	0.004	0.04	0.2	0.03	1.5	0.3	<0.05	4	0.6	<0.2
1228897	Soil	21	0.24	160	0.006	<1	1.19	0.006	0.05	0.2	0.04	0.4	0.6	<0.05	4	0.6	<0.2
1228898	Soil	26	0.43	243	0.024	<1	1.63	0.006	0.04	0.2	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
1228899	Soil	10	0.07	124	0.005	<1	0.48	0.004	0.03	0.2	0.02	0.2	0.2	<0.05	4	<0.5	<0.2
1228900	Soil	26	0.33	299	0.026	<1	1.43	0.005	0.04	0.3	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1228901	Soil	23	0.44	352	0.024	<1	1.37	0.007	0.03	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1228902	Soil	28	0.39	423	0.031	<1	1.77	0.006	0.04	0.2	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1228903	Soil	23	0.35	376	0.023	<1	1.47	0.005	0.03	0.2	0.04	2.9	0.1	<0.05	4	0.5	<0.2

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	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
1228904	Soil	0.9	33.2	14.7	65	<0.1	19.7	9.8	312	2.65	13.1	3.2	5.5	11	<0.1	0.7	0.2	50	0.07	0.022	19
1228905	Soil	0.8	8.7	13.1	46	<0.1	9.3	4.4	177	2.54	16.9	3.3	2.9	5	0.2	0.6	0.2	41	0.05	0.049	10
1228906	Soil	1.6	48.9	12.9	69	0.1	23.2	11.4	327	2.45	10.3	45.4	5.4	11	0.1	0.8	0.2	43	0.08	0.025	16
1228907	Soil	1.0	19.0	11.6	46	0.1	15.9	7.4	231	2.39	11.2	1.6	2.9	13	0.2	0.5	0.3	53	0.14	0.026	11
1228908	Soil	1.6	144.3	10.0	65	0.3	29.4	13.0	243	3.16	10.7	7.4	2.8	20	0.2	0.6	1.7	65	0.25	0.056	11
1228909	Soil	0.8	30.1	12.5	56	0.1	23.3	9.4	199	2.50	12.0	2.7	5.1	9	0.1	0.7	0.2	42	0.08	0.018	14
1228910	Soil	3.2	29.6	14.1	77	<0.1	34.0	13.8	594	3.80	13.4	0.5	4.8	23	0.1	0.8	0.2	61	0.18	0.064	19
1228911	Soil	3.8	33.4	10.4	80	0.2	27.9	10.3	559	3.29	6.2	3.4	7.5	43	0.1	0.4	0.2	69	0.55	0.097	21
1228912	Soil	1.5	19.4	14.3	56	0.2	21.8	10.7	185	2.91	14.6	3.7	4.3	9	0.2	0.8	0.2	49	0.06	0.026	14
1228913	Soil	3.0	28.5	13.1	78	<0.1	28.4	11.7	375	3.30	9.3	30.6	5.3	19	0.1	0.5	0.4	60	0.18	0.072	17
1228914	Soil	3.3	30.5	13.3	67	0.2	23.1	8.3	380	2.67	8.8	<0.5	5.0	24	<0.1	0.5	0.3	57	0.25	0.052	18
1228915	Soil	8.4	87.2	88.9	286	1.1	50.4	17.3	539	4.08	12.9	<0.5	5.8	27	1.2	0.5	0.7	111	0.28	0.106	20
1228916	Soil	8.6	67.8	25.6	179	1.9	50.7	12.8	694	4.25	3.1	<0.5	10.0	73	2.1	0.4	0.5	108	0.51	0.150	33
1228917	Soil	3.6	38.1	23.1	144	0.4	31.1	10.2	422	3.03	5.5	<0.5	5.8	30	0.4	0.2	0.5	74	0.36	0.097	20
1228918	Soil	4.7	35.2	23.4	79	0.4	16.3	4.9	191	2.21	9.2	<0.5	0.3	22	0.4	0.5	4.6	43	0.13	0.090	22
1228919	Soil	3.0	45.8	13.8	109	0.4	29.4	10.5	330	2.77	7.4	11.0	6.2	27	0.4	0.6	0.4	63	0.36	0.106	23
1228920	Soil	1.7	21.9	9.9	51	0.2	14.8	6.1	144	2.00	9.2	<0.5	1.3	15	0.1	0.5	0.2	35	0.17	0.055	17
1228921	Soil	3.1	19.5	11.7	70	0.2	14.5	5.1	147	2.68	6.3	<0.5	2.1	17	0.3	0.7	0.4	50	0.10	0.063	23
1228922	Soil	2.9	19.9	8.9	44	0.2	13.3	4.0	85	1.61	7.3	<0.5	0.5	15	0.2	0.5	0.7	30	0.13	0.059	16
1228923	Soil	1.6	18.5	7.7	39	0.2	11.9	3.5	104	1.52	7.0	1.9	0.6	14	0.2	0.4	0.2	25	0.13	0.063	14
1228924	Soil	1.1	14.8	8.0	39	0.2	12.5	3.8	79	1.44	7.3	13.6	0.8	14	0.2	0.4	0.2	27	0.13	0.055	14
1228925	Soil	1.0	24.2	8.8	59	0.1	21.1	7.8	227	2.04	11.5	<0.5	4.1	21	0.1	0.8	0.1	32	0.25	0.065	16
1228926	Soil	1.0	21.0	9.7	58	0.1	17.8	8.3	310	2.03	9.5	1.2	3.2	24	0.1	0.7	0.2	34	0.30	0.068	16
1228927	Soil	1.3	18.7	9.9	58	0.1	16.3	6.5	142	2.09	9.1	4.7	1.8	23	0.1	0.6	0.2	38	0.28	0.061	16
1228928	Soil	0.8	17.9	8.8	52	<0.1	16.5	5.6	160	2.06	10.0	1.5	3.5	15	0.1	0.6	0.1	34	0.17	0.058	16
1228929	Soil	0.9	23.8	8.6	50	<0.1	17.4	6.2	167	1.92	11.6	9.0	3.5	13	<0.1	0.7	0.2	30	0.13	0.052	14
1228930	Soil	1.5	26.9	11.4	66	0.1	21.1	6.5	171	2.46	13.1	<0.5	1.7	11	0.3	0.6	0.2	40	0.14	0.064	14
1228931	Soil	1.4	30.9	9.2	71	0.2	20.9	6.8	251	2.02	7.8	<0.5	4.7	23	0.1	0.6	0.2	40	0.32	0.061	18
1228932	Soil	1.1	27.0	10.3	56	0.1	18.9	7.2	243	2.08	8.8	5.2	3.9	20	0.1	0.5	0.2	35	0.24	0.055	17
1228933	Soil	1.8	47.5	9.8	70	0.2	24.4	6.6	233	2.19	10.2	<0.5	4.9	16	0.2	0.7	0.2	37	0.14	0.049	18

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: November 11, 2011

CERTIFICATE OF ANALYSIS WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1228904	Soil	28	0.43	345	0.032	<1	1.71	0.007	0.05	0.2	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
1228905	Soil	16	0.23	106	0.020	<1	0.99	0.003	0.03	0.3	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1228906	Soil	26	0.42	320	0.026	<1	1.53	0.006	0.04	0.2	0.03	3.3	0.1	<0.05	4	<0.5	<0.2
1228907	Soil	24	0.34	267	0.020	<1	1.67	0.008	0.03	0.2	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
1228908	Soil	28	0.61	169	0.036	<1	1.92	0.018	0.08	0.3	0.02	3.9	0.6	<0.05	5	1.1	<0.2
1228909	Soil	26	0.42	208	0.025	<1	1.70	0.006	0.04	0.2	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
1228910	Soil	44	0.87	207	0.079	1	2.44	0.038	0.12	0.2	0.01	3.8	0.2	0.08	7	<0.5	<0.2
1228911	Soil	53	1.30	312	0.130	1	2.48	0.071	0.48	0.2	0.02	6.2	0.5	0.16	8	0.5	<0.2
1228912	Soil	31	0.44	184	0.032	<1	1.77	0.006	0.05	0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
1228913	Soil	42	0.78	200	0.066	2	2.41	0.013	0.08	0.2	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
1228914	Soil	38	0.75	210	0.072	1	1.95	0.026	0.09	0.2	0.02	4.9	0.3	0.06	6	0.8	<0.2
1228915	Soil	82	1.21	168	0.086	2	2.55	0.020	0.10	0.3	0.02	6.4	0.4	0.07	9	1.7	<0.2
1228916	Soil	81	1.59	213	0.129	1	2.37	0.083	0.73	0.2	0.02	7.1	0.8	0.43	10	3.3	<0.2
1228917	Soil	55	1.13	215	0.129	1	2.50	0.058	0.42	0.2	0.01	5.5	0.6	0.08	9	0.6	<0.2
1228918	Soil	29	0.32	114	0.015	1	1.00	0.009	0.10	0.2	0.03	1.0	0.8	0.08	5	1.8	<0.2
1228919	Soil	42	0.87	317	0.082	2	1.75	0.021	0.21	0.3	0.03	5.7	0.7	<0.05	6	1.1	<0.2
1228920	Soil	21	0.34	172	0.025	1	1.15	0.006	0.05	0.2	0.03	1.9	0.2	<0.05	4	0.5	<0.2
1228921	Soil	30	0.41	161	0.025	1	1.49	0.006	0.07	0.3	0.02	2.4	0.7	<0.05	5	1.0	<0.2
1228922	Soil	18	0.25	162	0.016	1	0.81	0.005	0.04	0.2	0.04	1.3	0.3	<0.05	3	0.8	<0.2
1228923	Soil	15	0.24	155	0.015	2	0.77	0.005	0.03	0.3	0.03	1.0	0.1	<0.05	3	0.8	<0.2
1228924	Soil	16	0.23	185	0.017	1	0.74	0.005	0.03	0.3	0.04	1.4	0.1	<0.05	3	<0.5	<0.2
1228925	Soil	20	0.31	265	0.037	1	0.87	0.008	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1228926	Soil	20	0.35	301	0.029	1	1.03	0.008	0.05	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1228927	Soil	22	0.36	247	0.032	2	1.11	0.008	0.05	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1228928	Soil	20	0.36	160	0.034	2	1.22	0.006	0.04	0.2	0.01	2.2	0.1	<0.05	3	<0.5	<0.2
1228929	Soil	20	0.31	185	0.030	1	1.03	0.005	0.04	0.2	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
1228930	Soil	23	0.35	147	0.027	2	1.30	0.006	0.06	0.3	<0.01	1.6	0.2	<0.05	4	<0.5	<0.2
1228931	Soil	24	0.39	291	0.051	2	1.18	0.011	0.06	0.2	0.02	3.4	0.2	<0.05	4	<0.5	<0.2
1228932	Soil	22	0.40	318	0.033	2	1.25	0.009	0.05	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1228933	Soil	24	0.39	162	0.037	1	1.14	0.007	0.05	0.3	0.01	3.0	0.3	<0.05	3	<0.5	<0.2

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

QUALITY CONTROL REPORT WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1228647	Soil	1.7	40.1	7.4	64	0.4	16.1	4.5	119	1.52	5.9	10.1	1.2	15	1.0	0.4	0.3	30	0.14	0.053	14
REP 1228647	QC	1.8	38.0	7.2	61	0.4	16.4	4.6	120	1.53	6.0	4.5	1.0	15	1.0	0.3	0.3	31	0.14	0.051	13
1228729	Soil	0.5	16.1	10.1	51	<0.1	13.3	4.5	112	1.68	9.3	12.8	4.0	19	0.2	0.7	0.2	27	0.21	0.062	15
REP 1228729	QC	0.6	15.8	9.8	50	<0.1	12.6	4.4	108	1.65	8.4	17.2	3.9	18	0.1	0.7	0.2	27	0.20	0.061	14
1228736	Soil	1.1	34.2	14.1	56	<0.1	23.5	7.8	187	2.50	13.3	17.1	7.6	6	<0.1	0.9	0.2	36	0.05	0.016	23
REP 1228736	QC	1.1	33.5	14.8	51	<0.1	22.9	7.8	186	2.42	13.1	3.2	7.5	7	<0.1	0.9	0.2	36	0.05	0.015	23
1228751	Soil	0.7	20.7	20.8	41	<0.1	29.7	7.9	171	2.59	5.1	7.6	1.2	8	0.4	0.3	0.2	53	0.06	0.032	25
REP 1228751	QC	0.7	20.9	13.5	41	<0.1	29.3	8.2	176	2.56	4.9	2.5	1.8	8	<0.1	0.4	0.2	55	0.05	0.031	24
1228779	Soil	0.8	13.0	17.1	39	<0.1	12.7	6.2	180	2.41	8.0	4.0	4.7	8	<0.1	0.4	0.2	31	0.06	0.030	18
REP 1228779	QC	0.7	12.4	17.4	39	<0.1	12.0	6.2	189	2.48	8.1	2.0	5.1	8	<0.1	0.4	0.2	32	0.06	0.031	18
1228796	Soil	0.8	27.8	30.6	53	<0.1	15.2	6.8	220	2.51	8.4	3.3	8.3	9	<0.1	0.5	0.3	26	0.06	0.035	35
REP 1228796	QC	0.8	27.9	32.7	54	<0.1	15.0	6.7	226	2.53	8.3	2.3	8.9	9	0.1	0.4	0.3	27	0.06	0.038	37
1228811	Soil	0.6	29.2	24.2	45	0.4	21.3	8.5	369	2.40	14.5	2.6	9.2	70	0.1	0.7	0.2	21	0.94	0.028	23
REP 1228811	QC	0.7	29.6	24.1	44	0.4	22.1	8.4	360	2.41	14.5	1.6	8.8	72	0.2	0.7	0.2	19	0.92	0.028	20
1228837	Soil	1.0	19.1	14.3	46	<0.1	18.7	6.5	144	2.52	6.8	3.4	7.1	7	<0.1	0.7	0.2	29	0.04	0.023	34
REP 1228837	QC	0.9	20.5	15.3	49	<0.1	18.5	6.8	147	2.57	7.3	3.8	7.3	8	<0.1	0.8	0.2	30	0.04	0.024	37
1228855	Soil	0.5	18.1	9.1	43	<0.1	17.1	5.4	210	1.60	11.1	26.0	4.6	15	<0.1	1.3	0.2	22	0.22	0.053	17
REP 1228855	QC	0.6	18.8	9.4	45	<0.1	17.1	5.6	217	1.66	11.7	12.2	4.6	15	<0.1	1.4	0.2	24	0.23	0.058	18
1228861	Soil	0.7	22.6	16.6	57	<0.1	21.1	7.8	212	2.30	23.6	3.0	7.4	11	0.1	3.6	0.3	22	0.13	0.029	26
REP 1228861	QC	0.7	23.4	17.4	59	<0.1	20.8	7.7	221	2.34	23.8	7.8	7.7	11	0.1	3.6	0.3	22	0.12	0.030	26
1228875	Soil	1.0	19.3	13.3	51	<0.1	15.8	7.2	254	2.54	12.0	1.5	3.3	12	<0.1	0.7	0.2	46	0.09	0.041	18
REP 1228875	QC	1.0	20.2	13.8	51	<0.1	15.8	7.4	259	2.64	12.8	4.2	3.7	12	<0.1	0.6	0.2	47	0.09	0.042	18
1228907	Soil	1.0	19.0	11.6	46	0.1	15.9	7.4	231	2.39	11.2	1.6	2.9	13	0.2	0.5	0.3	53	0.14	0.026	11
REP 1228907	QC	1.1	19.2	11.8	47	0.1	16.2	7.4	226	2.36	11.1	2.2	2.8	12	0.2	0.5	0.3	52	0.13	0.027	11
1228913	Soil	3.0	28.5	13.1	78	<0.1	28.4	11.7	375	3.30	9.3	30.6	5.3	19	0.1	0.5	0.4	60	0.18	0.072	17
REP 1228913	QC	3.4	27.8	13.0	77	<0.1	28.6	11.8	368	3.21	9.5	<0.5	5.6	19	0.1	0.6	0.4	57	0.18	0.075	18
1228929	Soil	0.9	23.8	8.6	50	<0.1	17.4	6.2	167	1.92	11.6	9.0	3.5	13	<0.1	0.7	0.2	30	0.13	0.052	14
REP 1228929	QC	1.0	25.0	9.0	55	<0.1	17.4	6.4	176	2.07	12.8	1.9	3.8	13	0.1	0.7	0.2	31	0.15	0.055	15

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QUALITY CONTROL REPORT WHI11001421.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1228647	Soil	20	0.31	159	0.019	1	1.00	0.005	0.04	0.5	0.04	1.5	0.4	<0.05	3	0.8	<0.2
REP 1228647	QC	20	0.30	147	0.021	1	0.97	0.005	0.03	0.4	0.04	1.5	0.4	<0.05	3	1.0	<0.2
1228729	Soil	16	0.30	188	0.017	<1	0.88	0.005	0.03	0.4	0.06	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228729	QC	15	0.29	180	0.015	<1	0.84	0.005	0.03	0.3	0.06	1.6	<0.1	<0.05	2	0.7	<0.2
1228736	Soil	24	0.36	139	0.030	<1	1.29	0.006	0.04	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
REP 1228736	QC	23	0.34	141	0.031	<1	1.25	0.006	0.04	0.2	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
1228751	Soil	63	0.45	83	0.014	<1	1.28	0.006	0.06	<0.1	0.08	2.1	0.2	<0.05	4	<0.5	<0.2
REP 1228751	QC	66	0.45	82	0.012	<1	1.27	0.004	0.06	<0.1	0.07	2.1	0.2	<0.05	4	<0.5	<0.2
1228779	Soil	19	0.33	77	0.018	<1	1.25	0.005	0.03	0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
REP 1228779	QC	20	0.33	77	0.018	1	1.28	0.005	0.03	0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1228796	Soil	20	0.44	111	0.017	<1	1.21	0.005	0.04	<0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 1228796	QC	21	0.47	115	0.018	2	1.32	0.006	0.05	0.1	0.05	2.2	<0.1	<0.05	3	0.6	<0.2
1228811	Soil	16	0.30	256	0.004	1	1.26	0.008	0.07	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228811	QC	15	0.28	249	0.004	<1	1.14	0.008	0.07	0.1	0.02	2.3	0.1	<0.05	3	<0.5	<0.2
1228837	Soil	16	0.19	78	0.011	<1	0.85	0.004	0.04	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1228837	QC	17	0.20	88	0.017	<1	0.89	0.004	0.05	0.1	0.02	1.5	<0.1	<0.05	3	0.5	<0.2
1228855	Soil	14	0.26	192	0.014	<1	0.70	0.006	0.04	0.3	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
REP 1228855	QC	15	0.27	196	0.018	<1	0.75	0.005	0.04	0.4	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1228861	Soil	16	0.30	95	0.011	<1	0.96	0.004	0.07	0.3	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1228861	QC	17	0.30	98	0.010	<1	0.97	0.005	0.06	0.3	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1228875	Soil	26	0.38	199	0.027	<1	1.58	0.006	0.04	0.2	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
REP 1228875	QC	27	0.39	206	0.026	1	1.60	0.005	0.04	0.2	0.04	3.3	0.2	<0.05	5	0.5	<0.2
1228907	Soil	24	0.34	267	0.020	<1	1.67	0.008	0.03	0.2	0.01	2.2	0.2	<0.05	5	<0.5	<0.2
REP 1228907	QC	23	0.34	269	0.017	<1	1.66	0.008	0.03	0.2	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
1228913	Soil	42	0.78	200	0.066	2	2.41	0.013	0.08	0.2	0.02	3.8	0.3	<0.05	7	<0.5	<0.2
REP 1228913	QC	41	0.79	199	0.066	1	2.36	0.013	0.08	0.2	0.02	3.9	0.3	<0.05	6	<0.5	<0.2
1228929	Soil	20	0.31	185	0.030	1	1.03	0.005	0.04	0.2	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
REP 1228929	QC	20	0.32	202	0.031	2	1.07	0.005	0.04	0.2	0.02	2.2	0.1	<0.05	3	<0.5	<0.2

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

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

QUALITY CONTROL REPORT WHI11001421.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
Reference Materials																					
STD DS8	Standard	14.0	113.6	124.3	324	1.8	38.5	7.5	622	2.52	25.8	119.6	7.6	76	2.5	6.3	6.9	41	0.72	0.088	20
STD DS8	Standard	12.9	105.8	121.1	301	1.7	37.9	7.4	587	2.37	22.7	106.3	6.7	63	2.1	5.3	6.0	41	0.66	0.077	15
STD DS8	Standard	12.9	107.4	118.9	311	1.8	37.2	7.2	606	2.38	24.0	130.9	7.0	72	2.3	5.2	6.6	42	0.69	0.077	17
STD DS8	Standard	12.2	110.4	127.2	314	1.8	38.1	7.3	619	2.47	25.0	107.3	6.7	66	2.2	5.8	6.8	42	0.68	0.080	15
STD DS8	Standard	12.9	107.6	129.1	313	1.9	37.1	7.4	617	2.48	24.3	115.4	7.1	68	2.3	5.7	6.5	42	0.68	0.080	16
STD DS8	Standard	12.6	97.2	121.8	286	1.8	33.2	6.5	556	2.25	23.2	107.8	6.8	65	2.1	4.8	5.7	39	0.67	0.072	15
STD DS8	Standard	14.5	114.7	132.8	324	1.9	40.9	7.9	634	2.55	25.3	114.3	7.3	70	2.4	5.7	6.8	45	0.73	0.082	18
STD DS8	Standard	11.7	98.5	117.4	280	1.7	33.8	6.9	539	2.15	21.9	108.6	6.5	56	2.3	4.9	5.7	37	0.60	0.069	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Toronto ON M5X 1C9 Canada

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

QUALITY CONTROL REPORT WHI11001421.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
Reference Materials																	
STD DS8	Standard	116	0.65	305	0.141	4	1.04	0.098	0.43	3.1	0.22	3.0	5.6	0.15	5	4.8	5.6
STD DS8	Standard	112	0.57	266	0.110	2	0.86	0.090	0.40	3.0	0.18	2.4	5.3	0.16	4	4.9	4.7
STD DS8	Standard	116	0.60	277	0.119	2	0.94	0.101	0.44	2.8	0.19	3.0	5.2	0.15	5	5.0	4.8
STD DS8	Standard	117	0.60	279	0.123	3	0.94	0.096	0.42	3.2	0.20	2.8	5.4	0.15	4	4.6	4.9
STD DS8	Standard	114	0.61	287	0.118	2	0.95	0.098	0.42	3.0	0.18	2.7	5.5	0.16	5	5.3	5.1
STD DS8	Standard	106	0.56	272	0.114	3	0.88	0.102	0.42	2.6	0.18	2.6	5.2	0.10	4	4.7	4.4
STD DS8	Standard	127	0.65	293	0.123	3	0.97	0.103	0.44	3.1	0.21	2.6	5.7	0.21	5	5.4	5.0
STD DS8	Standard	104	0.58	242	0.104	2	0.80	0.076	0.38	2.7	0.19	1.8	5.0	0.14	4	3.8	4.5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Appendix V: Silt Sample Assay Certificates

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

1225901
1225902
1225903
1225904
1225905
1225701
1225702
1225703
1225704
1222116
1222117
1222118

Acme Analytical Laboratories (Vancouver) Ltd.
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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 27, 2011
Report Date: October 29, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI11001381.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	56	Dry at 60C			WHI
SS80	56	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	56	Saving all or part of Soil Reject			WHI
1DX2	55	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

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

CERTIFICATE OF ANALYSIS WHI11001381.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1220721	Silt	1.4	98.3	10.4	74	1.5	11.8	5.9	412	1.86	14.8	2.5	1.0	12	0.6	0.6	2.3	29	0.15	0.064	13
1220722	Silt	0.9	35.2	13.2	150	0.8	19.4	8.2	711	1.90	66.4	1.6	2.0	11	2.4	0.6	1.5	24	0.19	0.055	15
1220723	Silt	0.6	20.2	13.1	58	0.1	16.1	6.5	223	1.78	12.7	2.9	2.2	9	0.3	0.7	0.2	24	0.11	0.047	14
1220724	Silt	0.6	18.4	11.8	89	0.9	25.7	8.7	406	1.87	14.2	6.3	2.2	12	1.1	0.6	0.3	24	0.15	0.058	15
1220725	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1220726	Silt	1.3	31.6	41.9	263	3.2	10.4	5.7	404	1.71	27.0	20.0	0.8	17	3.5	0.5	0.7	29	0.16	0.043	22
1220727	Silt	1.6	44.2	48.2	449	0.8	15.7	6.3	335	1.93	41.4	2.8	2.5	15	4.1	0.8	2.1	31	0.19	0.057	18
1220728	Silt	0.4	13.7	10.4	68	0.1	16.7	8.2	306	1.62	12.2	10.9	4.0	14	0.5	0.7	0.4	18	0.17	0.042	17
1220729	Silt	0.6	24.5	14.1	64	0.1	23.2	10.4	361	2.22	6.8	2.1	3.0	28	0.2	0.9	0.2	27	0.25	0.044	18
1220730	Silt	1.5	15.8	13.6	159	0.2	13.4	6.5	368	1.81	271.5	8.2	3.3	22	1.4	0.7	0.8	30	0.24	0.053	16
1222113	Silt	1.1	1925	626.0	1596	38.7	35.0	58.1	3177	6.68	4376	9.2	9.2	20	36.4	5.4	92.4	23	0.15	0.061	39
1222114	Silt	0.6	59.5	27.2	328	0.6	21.6	10.7	373	2.49	174.2	2.5	3.9	17	3.0	0.5	2.2	25	0.25	0.049	19
1222115	Silt	1.0	59.7	23.0	393	0.6	21.7	8.2	200	2.27	106.4	1.9	3.8	23	1.8	0.3	2.5	24	0.35	0.074	17
1222116	Silt	1.1	25.6	20.8	68	<0.1	26.4	13.2	914	2.93	10.5	10.9	7.9	37	0.3	0.7	0.3	18	0.35	0.050	32
1222117	Silt	0.5	26.8	17.3	71	0.2	23.4	11.5	361	2.76	21.3	1.5	9.5	30	0.4	1.0	0.6	16	0.27	0.040	35
1222118	Silt	0.5	23.2	21.9	81	<0.1	29.5	13.9	546	3.34	20.1	2.9	12.5	45	0.1	1.5	0.3	13	0.75	0.047	35
1220665	Silt	1.8	73.6	10.4	153	0.4	32.5	10.6	507	2.29	34.2	3.4	1.0	24	1.2	0.5	2.0	44	0.27	0.064	14
1220666	Silt	2.6	78.1	13.2	181	0.3	53.9	17.4	794	3.03	42.5	5.3	2.8	32	1.3	0.9	4.1	73	0.35	0.089	17
1220667	Silt	1.5	42.2	11.6	127	0.3	24.9	10.1	634	2.11	28.2	2.5	0.8	18	1.1	0.6	1.2	36	0.25	0.078	15
1220668	Silt	1.4	37.8	14.2	150	0.3	25.0	8.3	514	2.10	28.6	1.9	1.2	17	1.4	0.6	2.1	33	0.24	0.086	15
1220669	Silt	0.7	27.9	88.5	155	2.8	29.3	14.1	930	2.96	26.9	6.9	7.2	21	1.8	1.8	0.5	16	0.28	0.050	32
1220670	Silt	0.9	30.6	46.0	126	2.3	29.9	13.6	606	2.77	49.3	3.3	8.0	17	1.1	4.7	0.3	14	0.22	0.044	31
1220671	Silt	0.8	22.7	29.1	96	0.9	25.5	12.5	701	2.18	15.8	3.6	5.1	25	0.9	1.5	0.2	19	0.32	0.051	24
1220672	Silt	0.5	15.5	14.6	87	0.3	19.0	11.4	539	1.68	16.5	6.2	3.6	16	0.9	0.8	0.7	19	0.21	0.045	17
1220673	Silt	0.6	50.1	51.0	527	1.1	23.8	9.3	577	2.17	44.1	3.5	3.4	14	6.2	0.6	1.2	25	0.24	0.046	24
1220674	Silt	1.6	46.3	32.9	522	0.8	23.0	9.3	622	1.92	38.3	2.7	2.6	28	8.2	0.5	1.5	24	0.56	0.054	20
1220675	Silt	1.1	36.3	28.1	407	0.6	20.9	7.7	417	1.87	35.9	11.0	3.0	22	4.0	0.5	1.8	22	0.42	0.043	16
1220676	Silt	0.7	19.1	15.3	84	0.2	22.1	11.4	465	2.04	13.2	1.2	4.4	19	0.9	0.9	0.3	21	0.25	0.047	20
1220677	Silt	0.7	24.2	19.9	73	0.1	25.7	12.2	564	2.60	7.6	7.1	3.5	33	0.3	1.1	0.2	32	0.33	0.054	22
1220678	Silt	0.6	19.6	18.4	116	0.5	28.4	15.6	676	2.10	10.6	2.8	5.1	32	1.0	2.2	0.2	20	0.35	0.047	25

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

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

CERTIFICATE OF ANALYSIS WHI11001381.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220721	Silt	15	0.25	91	0.016	1	0.93	0.003	0.05	1.0	0.03	1.0	0.3	<0.05	3	<0.5	<0.2
1220722	Silt	16	0.28	104	0.017	2	0.85	0.003	0.05	2.2	0.02	1.1	0.3	<0.05	3	<0.5	<0.2
1220723	Silt	15	0.29	94	0.021	1	0.80	0.003	0.03	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1220724	Silt	16	0.31	104	0.017	2	0.83	0.003	0.03	0.3	0.06	1.1	<0.1	<0.05	2	0.6	<0.2
1220725	Silt	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1220726	Silt	15	0.25	97	0.016	1	0.86	0.003	0.03	0.6	0.05	0.9	<0.1	<0.05	3	<0.5	<0.2
1220727	Silt	17	0.29	139	0.021	2	1.03	0.004	0.06	2.6	0.03	1.3	0.3	<0.05	3	0.6	<0.2
1220728	Silt	13	0.26	87	0.013	1	0.70	0.002	0.03	0.4	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1220729	Silt	20	0.40	114	0.015	1	1.00	0.003	0.06	0.2	0.03	1.7	<0.1	<0.05	3	0.6	<0.2
1220730	Silt	17	0.32	114	0.021	2	1.02	0.005	0.05	3.3	0.02	1.7	0.2	<0.05	3	<0.5	<0.2
1222113	Silt	20	0.31	97	0.013	1	1.16	0.003	0.12	0.3	0.10	2.3	4.5	<0.05	4	4.0	<0.2
1222114	Silt	22	0.38	70	0.018	1	1.17	0.004	0.09	0.2	0.02	1.6	0.3	<0.05	4	0.5	<0.2
1222115	Silt	23	0.41	79	0.028	2	1.22	0.007	0.09	0.4	0.01	1.7	0.4	<0.05	4	0.9	<0.2
1222116	Silt	19	0.34	196	0.006	<1	0.78	0.002	0.05	0.3	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1222117	Silt	14	0.44	64	0.006	1	0.92	0.002	0.04	0.2	0.02	1.0	<0.1	<0.05	3	0.6	<0.2
1222118	Silt	14	0.50	62	0.007	2	0.95	0.002	0.06	0.2	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1220665	Silt	31	0.46	153	0.035	<1	1.28	0.006	0.08	1.1	0.03	1.6	0.3	<0.05	5	0.6	<0.2
1220666	Silt	56	0.73	364	0.067	1	1.75	0.010	0.24	2.5	0.04	2.8	0.6	<0.05	6	1.0	<0.2
1220667	Silt	24	0.37	133	0.023	1	1.17	0.005	0.07	1.1	0.05	1.4	0.4	<0.05	4	1.1	<0.2
1220668	Silt	23	0.34	129	0.023	<1	1.08	0.005	0.08	2.0	0.05	1.3	0.6	<0.05	4	1.4	<0.2
1220669	Silt	12	0.28	93	0.004	<1	0.92	0.002	0.05	0.1	0.04	1.4	0.1	<0.05	2	<0.5	<0.2
1220670	Silt	13	0.23	103	0.005	<1	0.70	0.002	0.04	<0.1	0.03	1.4	0.1	<0.05	2	<0.5	<0.2
1220671	Silt	13	0.29	168	0.006	1	0.96	0.003	0.05	0.3	0.04	1.6	0.1	<0.05	3	0.7	<0.2
1220672	Silt	13	0.26	95	0.013	1	0.78	0.003	0.04	0.4	0.02	1.3	0.1	<0.05	2	0.7	<0.2
1220673	Silt	20	0.33	88	0.029	<1	1.06	0.004	0.13	1.2	0.03	1.7	0.4	<0.05	3	0.6	<0.2
1220674	Silt	20	0.34	103	0.029	2	1.06	0.005	0.11	2.9	0.03	1.6	0.3	<0.05	3	1.2	<0.2
1220675	Silt	19	0.34	92	0.028	1	0.99	0.005	0.10	3.7	0.02	1.5	0.3	<0.05	3	0.9	<0.2
1220676	Silt	16	0.33	123	0.011	<1	0.87	0.004	0.04	0.2	0.02	1.6	0.1	<0.05	3	0.6	<0.2
1220677	Silt	24	0.47	132	0.020	<1	1.15	0.003	0.07	0.1	0.03	2.0	0.1	<0.05	3	0.6	<0.2
1220678	Silt	15	0.33	164	0.008	1	1.05	0.004	0.05	0.1	0.05	1.7	<0.1	<0.05	3	<0.5	<0.2

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

CERTIFICATE OF ANALYSIS WHI11001381.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1220679	Silt	0.7	17.8	17.2	79	0.2	21.7	9.6	522	2.03	23.6	5.7	1.3	12	1.5	1.0	0.2	26	0.15	0.048	16
1220680	Silt	0.7	32.9	19.7	198	1.5	48.0	71.8	882	2.05	65.7	3.1	2.3	13	4.8	0.6	1.5	24	0.16	0.053	22
1220681	Silt	1.9	38.8	22.0	391	1.0	13.9	6.3	408	1.75	8.7	18.3	2.5	17	2.8	0.3	2.3	29	0.25	0.059	16
1220682	Silt	1.4	46.4	15.2	253	0.4	29.0	11.1	625	2.25	61.1	1.7	2.3	25	4.0	0.5	1.3	31	0.37	0.073	17
1220683	Silt	0.4	10.6	12.2	54	0.2	12.0	7.1	198	1.52	11.8	5.2	3.4	10	0.4	0.3	0.2	17	0.15	0.036	14
1220684	Silt	0.7	18.6	14.3	103	0.2	19.4	12.6	664	2.21	30.7	2.8	3.0	22	1.7	0.4	1.4	25	0.39	0.048	23
1220685	Silt	1.0	91.6	14.8	169	0.6	23.3	10.2	751	1.94	33.3	2.3	1.5	15	2.4	0.6	3.7	27	0.20	0.070	15
1220686	Silt	0.6	22.4	26.7	169	0.2	19.2	9.5	489	1.86	53.3	2.9	7.6	23	1.6	0.7	1.1	25	0.29	0.068	18
1220687	Silt	0.5	32.8	49.8	244	1.2	27.6	11.7	803	2.59	75.3	15.4	9.7	33	3.4	1.5	0.7	17	0.42	0.053	34
1220688	Silt	0.6	16.9	19.4	79	0.3	19.7	10.2	474	1.72	13.5	20.1	3.9	20	0.8	0.6	0.2	21	0.26	0.050	19
1220689	Silt	0.7	44.6	17.9	144	0.4	23.0	12.8	458	2.56	68.1	4.0	2.7	22	2.0	0.5	5.8	32	0.35	0.060	21
1220690	Silt	1.4	79.6	18.2	339	1.0	24.7	10.8	869	2.10	29.4	11.4	2.6	21	5.4	0.6	3.5	29	0.30	0.075	21
1220691	Silt	2.2	34.2	37.3	391	1.1	18.2	8.1	637	2.26	118.6	8.3	4.3	30	5.4	1.1	1.6	36	0.37	0.072	27
1220692	Silt	0.4	23.3	53.5	518	0.4	24.3	10.0	577	2.36	27.5	1.5	9.0	35	7.6	1.3	0.3	17	0.47	0.050	33
1220693	Silt	0.9	62.2	84.3	545	2.3	38.3	15.4	1433	3.18	218.0	12.7	9.9	34	10.3	2.1	1.7	26	0.35	0.064	37
1225901	Silt	0.5	29.5	17.0	61	0.1	28.2	12.0	366	2.61	9.6	7.4	10.8	74	<0.1	0.7	0.3	14	0.68	0.050	31
1225902	Silt	0.6	17.3	8.9	62	<0.1	18.4	6.5	342	1.56	11.5	<0.5	3.1	29	0.3	0.7	0.1	19	0.93	0.049	9
1225903	Silt	0.5	13.9	8.4	52	<0.1	16.8	6.4	257	1.58	10.6	10.9	4.5	33	0.2	0.7	0.1	21	0.76	0.063	14
1225904	Silt	0.5	24.9	15.1	62	0.1	27.7	12.7	606	2.07	6.6	1.2	4.4	63	0.3	1.5	0.2	19	0.74	0.047	26
1225905	Silt	0.5	15.4	10.6	60	<0.1	18.0	8.9	380	1.89	6.8	6.5	6.5	36	0.2	1.2	0.1	17	0.39	0.042	26
1225906	Silt	0.9	8.4	4.3	25	0.1	8.3	1.6	61	0.79	2.6	3.0	1.2	9	0.1	0.2	0.1	20	0.07	0.024	11
1225701	Silt	2.6	29.3	8.6	68	0.3	18.5	6.1	198	1.81	5.4	2.7	3.1	24	0.2	0.5	0.3	36	0.25	0.070	13
1225702	Silt	0.3	9.0	8.0	38	<0.1	11.7	5.4	181	1.14	3.7	1.5	4.8	22	0.1	1.0	<0.1	15	0.27	0.050	18
1225703	Silt	0.4	21.1	16.7	62	0.1	24.1	10.5	390	2.39	14.3	68.0	9.7	45	0.2	1.3	0.2	14	0.61	0.055	27
1225704	Silt	0.4	13.8	12.5	51	<0.1	16.4	8.1	413	1.83	12.2	1.3	5.1	41	0.2	1.7	0.2	18	0.44	0.049	18
1225705	Silt	0.4	18.4	13.2	58	<0.1	18.7	9.2	534	2.01	7.5	3.0	5.7	35	0.2	1.4	0.2	17	0.40	0.054	20

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220679	Silt	15	0.24	104	0.013	<1	0.84	0.003	0.03	0.2	0.03	1.0	0.1	<0.05	3	0.8	<0.2
1220680	Silt	15	0.28	104	0.014	<1	1.00	0.003	0.04	0.3	0.06	1.3	0.3	<0.05	3	0.9	<0.2
1220681	Silt	16	0.28	137	0.012	<1	1.04	0.004	0.05	1.5	0.02	1.4	0.2	<0.05	4	0.6	<0.2
1220682	Silt	23	0.39	125	0.023	<1	1.28	0.005	0.12	0.8	0.04	1.8	0.4	<0.05	4	1.6	<0.2
1220683	Silt	11	0.23	89	0.009	<1	0.72	0.003	0.03	0.2	0.03	1.1	<0.1	<0.05	2	<0.5	<0.2
1220684	Silt	17	0.29	107	0.016	<1	1.05	0.004	0.08	0.6	0.03	1.7	0.3	<0.05	3	1.1	<0.2
1220685	Silt	16	0.28	128	0.019	1	1.00	0.004	0.07	1.0	0.04	1.4	0.4	<0.05	3	1.0	<0.2
1220686	Silt	17	0.32	102	0.039	<1	0.92	0.009	0.10	1.6	0.01	2.1	0.2	<0.05	3	0.6	<0.2
1220687	Silt	17	0.48	95	0.009	<1	1.22	0.003	0.06	0.7	0.03	1.5	0.2	<0.05	3	0.7	<0.2
1220688	Silt	13	0.27	95	0.015	<1	0.76	0.003	0.04	0.3	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1220689	Silt	22	0.37	120	0.028	<1	1.43	0.007	0.10	1.4	0.04	2.1	0.4	<0.05	4	1.2	<0.2
1220690	Silt	18	0.32	159	0.019	<1	1.10	0.005	0.08	1.3	0.03	1.7	0.4	<0.05	3	1.2	<0.2
1220691	Silt	21	0.34	183	0.027	<1	1.38	0.008	0.09	5.2	0.05	2.2	0.4	<0.05	4	1.0	<0.2
1220692	Silt	18	0.46	123	0.009	<1	1.24	0.003	0.05	0.1	0.02	1.5	0.1	<0.05	3	0.7	<0.2
1220693	Silt	24	0.60	123	0.016	<1	1.45	0.006	0.10	1.2	0.03	1.9	0.4	<0.05	4	0.6	<0.2
1225901	Silt	13	0.36	56	0.010	<1	0.71	0.003	0.06	<0.1	0.02	1.4	<0.1	<0.05	2	0.5	<0.2
1225902	Silt	11	0.54	108	0.013	<1	0.52	0.004	0.03	0.2	0.01	1.3	<0.1	<0.05	1	0.6	<0.2
1225903	Silt	12	0.44	141	0.027	<1	0.49	0.005	0.03	0.5	0.01	1.2	<0.1	<0.05	1	0.6	<0.2
1225904	Silt	16	0.38	212	0.008	1	1.05	0.004	0.05	0.2	0.04	1.5	<0.1	<0.05	3	<0.5	<0.2
1225905	Silt	14	0.35	158	0.010	<1	0.84	0.004	0.04	0.4	0.03	1.3	<0.1	<0.05	2	0.7	<0.2
1225906	Silt	13	0.21	65	0.018	<1	0.59	0.004	0.02	0.6	0.03	0.9	0.3	<0.05	2	0.6	<0.2
1225701	Silt	22	0.40	175	0.032	<1	0.94	0.021	0.07	0.4	0.02	2.3	0.4	<0.05	3	1.1	<0.2
1225702	Silt	10	0.21	114	0.013	<1	0.52	0.004	0.04	0.3	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1225703	Silt	13	0.38	68	0.009	<1	0.73	0.004	0.05	0.2	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1225704	Silt	14	0.30	157	0.011	<1	0.68	0.004	0.05	0.2	0.03	1.3	<0.1	<0.05	2	<0.5	<0.2
1225705	Silt	12	0.27	149	0.010	<1	0.67	0.004	0.04	0.2	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2

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QUALITY CONTROL REPORT WHI11001381.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1222117	Silt	0.5	26.8	17.3	71	0.2	23.4	11.5	361	2.76	21.3	1.5	9.5	30	0.4	1.0	0.6	16	0.27	0.040	35
REP 1222117	QC	0.6	27.2	17.6	72	0.2	24.6	11.4	366	2.83	23.6	1.8	10.1	31	0.3	1.0	0.5	16	0.27	0.043	39
1220680	Silt	0.7	32.9	19.7	198	1.5	48.0	71.8	882	2.05	65.7	3.1	2.3	13	4.8	0.6	1.5	24	0.16	0.053	22
REP 1220680	QC	0.7	32.3	18.8	198	1.4	47.0	69.7	849	1.94	64.0	2.3	2.6	12	4.1	0.5	1.2	22	0.15	0.051	20
1220691	Silt	2.2	34.2	37.3	391	1.1	18.2	8.1	637	2.26	118.6	8.3	4.3	30	5.4	1.1	1.6	36	0.37	0.072	27
REP 1220691	QC	1.7	32.4	35.6	364	0.9	18.1	7.7	605	2.07	111.7	7.1	4.0	29	5.2	0.9	1.5	33	0.35	0.067	27
Reference Materials																					
STD DS8	Standard	12.6	111.6	129.4	314	1.9	38.2	7.3	601	2.45	24.7	122.8	6.5	64	2.1	5.4	6.7	41	0.66	0.079	14
STD DS8	Standard	13.0	110.3	127.8	311	1.9	38.7	7.9	615	2.47	24.7	123.4	7.0	71	2.3	5.8	6.8	43	0.69	0.079	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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

QUALITY CONTROL REPORT WHI11001381.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1222117	Silt	14	0.44	64	0.006	1	0.92	0.002	0.04	0.2	0.02	1.0	<0.1	<0.05	3	0.6	<0.2
REP 1222117	QC	17	0.43	65	0.009	2	0.91	0.002	0.05	0.6	0.02	1.2	<0.1	<0.05	3	0.7	<0.2
1220680	Silt	15	0.28	104	0.014	<1	1.00	0.003	0.04	0.3	0.06	1.3	0.3	<0.05	3	0.9	<0.2
REP 1220680	QC	14	0.27	98	0.012	<1	0.96	0.003	0.04	0.3	0.04	1.3	0.3	<0.05	3	0.8	<0.2
1220691	Silt	21	0.34	183	0.027	<1	1.38	0.008	0.09	5.2	0.05	2.2	0.4	<0.05	4	1.0	<0.2
REP 1220691	QC	20	0.33	178	0.026	<1	1.34	0.007	0.09	4.8	0.05	2.0	0.4	<0.05	4	0.6	<0.2
Reference Materials																	
STD DS8	Standard	115	0.61	275	0.112	3	0.93	0.089	0.42	3.2	0.22	2.2	5.5	0.12	5	5.2	4.7
STD DS8	Standard	120	0.60	275	0.116	2	0.92	0.091	0.42	3.1	0.21	2.4	5.4	0.15	5	5.0	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Appendix VI: Rock Sample Assay Certificates

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

1222200	1224365	1225858
1222739	1224366	1225859
1222740	1225401	1225860
1222741	1225402	1225861
1222742	1225403	1225862
1222743	1225851	1225863
1222744	1225852	1225864
1224360	1225853	1225865
1224361	1225854	1225866
1224362	1225855	1225867
1224363	1225856	1225868
1224364	1225857	1225869

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Client: **Goldspike Exploration Inc.**
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Toronto ON M5X 1C9 Canada

Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 29, 2011
Report Date: October 25, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI11001494.1

CLIENT JOB INFORMATION

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

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	57	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	57	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	57	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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Toronto ON M5X 1C9 Canada

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

CERTIFICATE OF ANALYSIS WHI11001494.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1224360	Rock	1.59	3	0.8	50.6	5525	262	14.6	6.1	2.6	703	1.25	6.6	2.2	4.3	34	9.6	7.8	2.3	<2	0.75
1224361	Rock	0.79	<2	0.4	46.5	58.2	193	0.5	8.6	4.1	332	0.87	4.9	<0.5	4.2	3	11.6	0.4	0.1	<2	0.04
1224362	Rock	1.13	56	0.3	245.3	3212	379	13.2	4.0	1.4	228	0.87	13.5	20.6	4.4	19	19.7	4.5	1.2	<2	0.33
1224363	Rock	1.76	<2	0.2	44.9	14.2	15	0.1	4.5	2.4	194	0.94	1.5	<0.5	1.0	15	0.2	0.7	<0.1	<2	0.66
1224364	Rock	0.76	390	<0.1	38.6	38.3	37	2.1	3.6	1.3	47	0.67	375.0	359.9	<0.1	26	3.7	>2000	<0.1	<2	0.15
1224365	Rock	2.07	60	<0.1	74.6	<0.1	775	2.8	2.3	0.7	40	0.37	11.1	39.4	<0.1	4	6.7	>2000	<0.1	<2	0.05
1224366	Rock	1.41	20	<0.1	108.6	<0.1	54	0.6	4.1	1.4	39	0.38	4.2	2.3	<0.1	3	1.0	>2000	<0.1	<2	0.06
1224367	Rock	1.07	2	0.3	92.9	12.1	74	0.4	47.9	17.5	427	2.84	2.2	3.5	0.1	31	0.5	98.9	0.2	97	1.22
1225851	Rock	0.74	<2	0.2	4.7	9.9	7	<0.1	5.1	2.2	748	0.88	1.7	<0.5	0.3	8	<0.1	189.8	<0.1	<2	0.41
1225852	Rock	0.92	<2	0.3	8.6	7.7	26	<0.1	13.3	8.8	450	1.27	0.8	<0.5	6.6	3	<0.1	54.9	0.1	4	0.10
1225853	Rock	0.92	<2	0.2	5.0	28.4	5	<0.1	3.5	2.3	86	0.57	3.7	0.9	7.5	6	<0.1	17.8	<0.1	<2	0.08
1225854	Rock	0.85	<2	0.4	3.4	18.1	10	<0.1	3.5	2.1	171	0.89	1.8	<0.5	1.3	4	<0.1	18.8	0.1	<2	0.03
1225855	Rock	0.49	<2	0.3	6.7	9.8	8	<0.1	6.3	2.1	58	0.61	2.5	<0.5	6.5	4	<0.1	4.3	<0.1	2	<0.01
1225856	Rock	0.86	<2	0.2	1.2	4.0	14	<0.1	5.0	3.0	125	1.08	0.6	<0.5	7.4	6	<0.1	4.3	<0.1	2	<0.01
1225857	Rock	0.91	<2	0.1	2.1	2.4	3	<0.1	0.5	0.5	152	0.35	0.7	<0.5	0.8	331	<0.1	6.1	<0.1	<2	18.27
1225858	Rock	0.80	<2	0.8	12.8	2.5	122	<0.1	7.5	42.8	1506	8.99	0.7	<0.5	1.4	173	0.2	1.0	<0.1	203	2.91
1225859	Rock	0.91	<2	0.8	13.7	2.4	120	<0.1	8.1	40.6	1551	8.88	<0.5	<0.5	1.8	159	0.1	2.0	<0.1	176	1.87
1225860	Rock	0.89	<2	0.2	3.9	9.0	8	<0.1	4.6	2.9	340	1.06	5.0	<0.5	2.7	80	<0.1	5.4	<0.1	3	6.12
1225861	Rock	0.81	<2	0.2	5.0	5.0	10	<0.1	3.0	2.4	291	1.17	0.8	0.8	1.1	43	<0.1	2.9	<0.1	<2	2.00
1225862	Rock	1.04	<2	0.3	12.3	8.1	19	<0.1	12.2	6.0	111	1.07	0.6	0.9	7.0	7	<0.1	3.2	<0.1	11	0.07
1225863	Rock	0.87	<2	0.2	4.7	8.9	21	<0.1	19.6	7.4	519	1.08	0.5	1.5	7.4	4	<0.1	2.6	<0.1	4	0.02
1225864	Rock	0.58	<2	0.3	14.9	8.9	19	<0.1	9.5	2.9	138	1.83	1.0	3.4	5.4	4	<0.1	1.6	0.1	13	0.01
1225865	Rock	0.90	<2	0.2	9.3	8.2	24	<0.1	12.3	6.5	178	1.03	1.2	2.0	6.4	8	<0.1	1.5	<0.1	4	0.08
1225866	Rock	0.98	<2	0.4	7.7	8.7	38	<0.1	16.0	7.4	362	2.46	1.2	1.4	4.0	7	<0.1	1.3	0.2	26	<0.01
1225867	Rock	0.85	<2	0.1	4.5	5.2	20	<0.1	6.1	3.3	561	0.78	0.6	0.6	6.5	74	<0.1	2.2	<0.1	7	0.84
1225868	Rock	1.26	<2	0.3	27.5	10.9	11	<0.1	26.3	16.4	359	1.18	1.4	2.7	7.4	5	<0.1	6.4	0.2	5	0.02
1225869	Rock	1.30	<2	0.1	6.1	10.9	19	<0.1	6.9	5.7	103	1.16	1.2	0.5	6.9	3	<0.1	0.6	<0.1	2	<0.01
1225870	Rock	0.86	26	1.5	101.7	105.7	13	0.3	3.1	0.7	71	11.49	54.1	23.4	2.4	27	<0.1	14.0	1.0	66	0.02
1225871	Rock	1.16	9	0.6	4.1	34.9	3	0.1	1.0	0.2	24	0.75	5.7	1.9	0.8	14	<0.1	3.2	0.1	3	<0.01
1225872	Rock	0.98	13	1.2	96.8	60.5	20	0.1	2.4	1.0	110	12.98	12.5	11.3	2.8	5	<0.1	7.5	0.5	18	<0.01

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

CERTIFICATE OF ANALYSIS WHI11001494.1

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

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56th Floor - 100 King Street West
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Project: MQ+SEA
Report Date: October 25, 2011

CERTIFICATE OF ANALYSIS WHI11001494.1

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

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

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

CERTIFICATE OF ANALYSIS WHI11001494.1

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

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

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

QUALITY CONTROL REPORT WHI11001494.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1225851	Rock	0.74	<2	0.2	4.7	9.9	7	<0.1	5.1	2.2	748	0.88	1.7	<0.5	0.3	8	<0.1	189.8	<0.1	<2	0.41
REP 1225851	QC		<2																		
1225855	Rock	0.49	<2	0.3	6.7	9.8	8	<0.1	6.3	2.1	58	0.61	2.5	<0.5	6.5	4	<0.1	4.3	<0.1	2	<0.01
REP 1225855	QC			0.3	6.6	9.3	8	<0.1	6.3	2.1	58	0.61	2.2	<0.5	6.5	4	<0.1	4.6	0.1	2	<0.01
1222744	Rock	0.85	<2	2.5	49.5	2.1	27	0.1	46.9	9.5	139	1.89	5.1	<0.5	6.8	157	0.2	0.3	0.1	56	3.24
REP 1222744	QC			2.5	50.1	2.2	27	0.1	47.9	9.4	144	1.92	5.5	1.0	6.9	156	0.2	0.3	0.1	57	3.29
Core Reject Duplicates																					
1225874	Rock	0.95	20	1.0	49.4	56.2	48	0.8	3.2	0.5	46	3.15	14.2	13.1	3.2	9	0.2	8.2	1.3	16	<0.01
DUP 1225874	QC		22	1.0	53.9	51.7	54	0.8	3.1	0.6	54	3.48	13.7	13.1	3.0	9	0.2	7.0	1.2	17	<0.01
Reference Materials																					
STD DS8	Standard			13.5	108.4	122.3	302	1.7	36.2	8.0	597	2.47	24.2	96.4	6.9	65	2.4	3.9	6.4	41	0.72
STD DS8	Standard			14.6	121.2	135.0	338	1.7	42.8	8.5	631	2.64	25.9	122.8	7.1	70	2.7	5.2	6.6	43	0.75
STD DS8	Standard			12.8	117.9	122.0	306	1.6	39.3	7.9	581	2.42	28.3	107.1	6.0	64	2.8	3.9	6.6	42	0.67
STD OREAS45CA	Standard			0.7	529.9	22.5	62	0.3	262.1	94.7	939	16.46	3.8	41.3	7.4	16	<0.1	<0.1	0.2	204	0.43
STD OREAS45CA	Standard			0.9	535.3	22.1	67	0.3	270.3	99.8	952	16.68	4.4	40.7	7.3	15	0.1	0.2	0.2	232	0.44
STD OREAS45CA	Standard			0.8	508.8	21.7	65	0.3	263.1	95.9	897	15.98	3.8	42.1	7.4	18	0.1	<0.1	0.2	212	0.43
STD OXC88	Standard		209																		
STD OXC88	Standard		204																		
STD OXC88	Standard		196																		
STD OXH82	Standard		1340																		
STD OXH82	Standard		1216																		
STD OXH82	Standard		1292																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
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QUALITY CONTROL REPORT WHI11001494.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																				
1225851	Rock		0.025	<1	46	0.01	59	<0.001	<20	0.03	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	<1	<0.2
REP 1225851	QC																			
1225855	Rock		0.020	10	27	0.01	56	0.001	<20	0.25	0.002	0.16	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
REP 1225855	QC		0.021	10	26	0.01	57	0.001	<20	0.26	0.002	0.16	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1222744	Rock		0.197	21	76	0.47	92	0.109	<20	2.55	0.324	0.14	0.3	<0.01	<0.1	0.74	1.8	7.9	7	<0.2
REP 1222744	QC		0.198	22	79	0.48	95	0.116	<20	2.59	0.325	0.14	0.3	<0.01	<0.1	0.76	1.9	8.9	7	<0.2
Core Reject Duplicates																				
1225874	Rock		0.036	5	9	<0.01	116	0.002	<20	0.25	0.001	0.05	0.2	0.46	0.8	<0.05	0.6	2.2	2	<0.2
DUP 1225874	QC		0.039	4	11	<0.01	122	0.001	<20	0.26	0.001	0.05	0.2	0.51	0.7	<0.05	0.7	2.0	2	<0.2
Reference Materials																				
STD DS8	Standard		0.085	15	117	0.62	282	0.101	<20	0.96	0.098	0.43	2.1	0.19	5.3	0.17	1.9	5.0	5	4.8
STD DS8	Standard		0.085	16	126	0.65	310	0.125	<20	0.99	0.093	0.43	2.6	0.22	5.8	0.18	2.3	5.3	5	5.0
STD DS8	Standard		0.087	13	114	0.59	299	0.112	<20	0.89	0.085	0.40	2.5	0.19	5.0	0.17	2.2	5.2	4	4.8
STD OREAS45CA	Standard		0.039	17	738	0.14	167	0.111	<20	3.98	0.006	0.08	<0.1	0.04	<0.1	<0.05	37.0	0.6	19	<0.2
STD OREAS45CA	Standard		0.041	18	756	0.14	178	0.145	<20	4.04	0.008	0.08	<0.1	0.03	<0.1	<0.05	41.0	0.6	19	<0.2
STD OREAS45CA	Standard		0.041	17	696	0.16	178	0.162	<20	3.86	0.009	0.08	<0.1	0.03	<0.1	<0.05	40.4	0.7	19	<0.2
STD OXC88	Standard																			
STD OXC88	Standard																			
STD OXC88	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXC88 Expected																				
STD OXH82 Expected																				
STD DS8 Expected			0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected			0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																			
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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

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

QUALITY CONTROL REPORT WHI11001494.1

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

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

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

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