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ASSESSMENT REPORT

on the

2011 GEOCHEMICAL PROGRAM

on the

Pirate Mountain Property

Dawson Mining District, Yukon Territory

For

Goldspike Exploration Inc.

Exploration on claims: 43 claims - see Table 1

Work filed on: 112 claims: VG 1 to VG 76; VG 79 to VG 114 - see Table 1

NTS:	115P/06
LATITUDE:	63° 20' 45" N
LONGITUDE:	137° 13' 15" W
DATE of WORK:	June 18, 19, 2011
AUTHOR:	A. Koffyberg, PGeo
CONSULTANTS:	Druid Exploration Inc and Discovery Consultants
DATE of REPORT	November 30, 2011

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1.0 SUMMARY

A first pass prospecting and soil/silt sampling program was carried out on the Pirate Mountain Property ("Property") on June 18 and 19, 2011. The Property is 100% owned by Goldspike Exploration Inc. ("Goldspike"), and consists of 112 contiguous quartz mineral claims, covering an area of approximately 2,341 hectares in the Dawson Mining District.

The Property is located in west-central Yukon, approximately 24 kilometres west of the Stewart Crossing on the Klondike Highway, and about 139 km east southeast of Dawson City. The centre of the Property lies at latitude 63° 20' 45" north, and longitude 137° 13' 15" west. Locally, the Property is situated south of Lake Creek and encompasses part of the ridge top of Pirate Mountain. The Property is accessible by helicopter from Dawson City.

The Property lies within the Yukon-Tanana tectonic terrane of the Intermontane Belt, and lies southwest of the Tintina Trench. The area is underlain by the mid-Cretaceous Cassiar batholith. These rocks consist of K-feldspar granite, biotite quartz monzonite, biotite hornblende quartz monzonite and granodiorite. The area underwent continental glaciation. Some of the glacial deposits have been recognized as older than the Late Pleistocene McConnell glaciation, belonging to a pre-Reid glaciation.

Regional-scale silt stream sediment surveying carried out by the GSC in the 1970s and 1980s was re-analysed and re-released in 2006. The work resulted in 5 gold-in-silt anomalies of 63, 17, 13, 10 and 9 ppb Au (98^{th} to 90^{th} percentile) along tributaries that drain Pirate Mountain on all sides. The Property was staked to cover the inferred source of these geochemical anomalies.

In total, 166 reconnaissance soil samples, 1 silt sample and 12 rock samples were sent for analysis. The soil survey effectively evaluated only a portion of the Property. One traverse on the west part of the Property yielded the three highest soil values of 25, 16 and 13 ppb Au. The highest value occurs near the top of Pirate Mountain.

Much of the exposed bedrock along the ridges consists of medium-grained granodiorite, along with granitic rock and diorite/gabbro subcrop present in a few places. Rock sampling of outcrop exposed along talus slopes and ridge top, along with float samples, did not result in any anomalous geochemical values.

Four anomalous GSC gold-in-silt samples remain un-evaluated. For any further silt surveys, consideration should be given to collecting sediments from the high energy environment in the stream bed. This would necessitate field sieving gravels to -20 mesh.

2.0 INTRODUCTION

This assessment report has been prepared at the request of Mr. Bruce Durham, president of Goldspike of Toronto, Ontario. The report describes the 2011 prospecting program on the Property. Field work was performed by Druid Exploration Inc. ("Druid") of Whitehorse, Yukon. The report text was written by A. Koffyberg, PGeo, of Discovery Consultants ("Discovery"), of Vernon, BC. The maps for the report were prepared by C. Jones of Druid and by Discovery.

3.0 LOCATION AND ACCESS

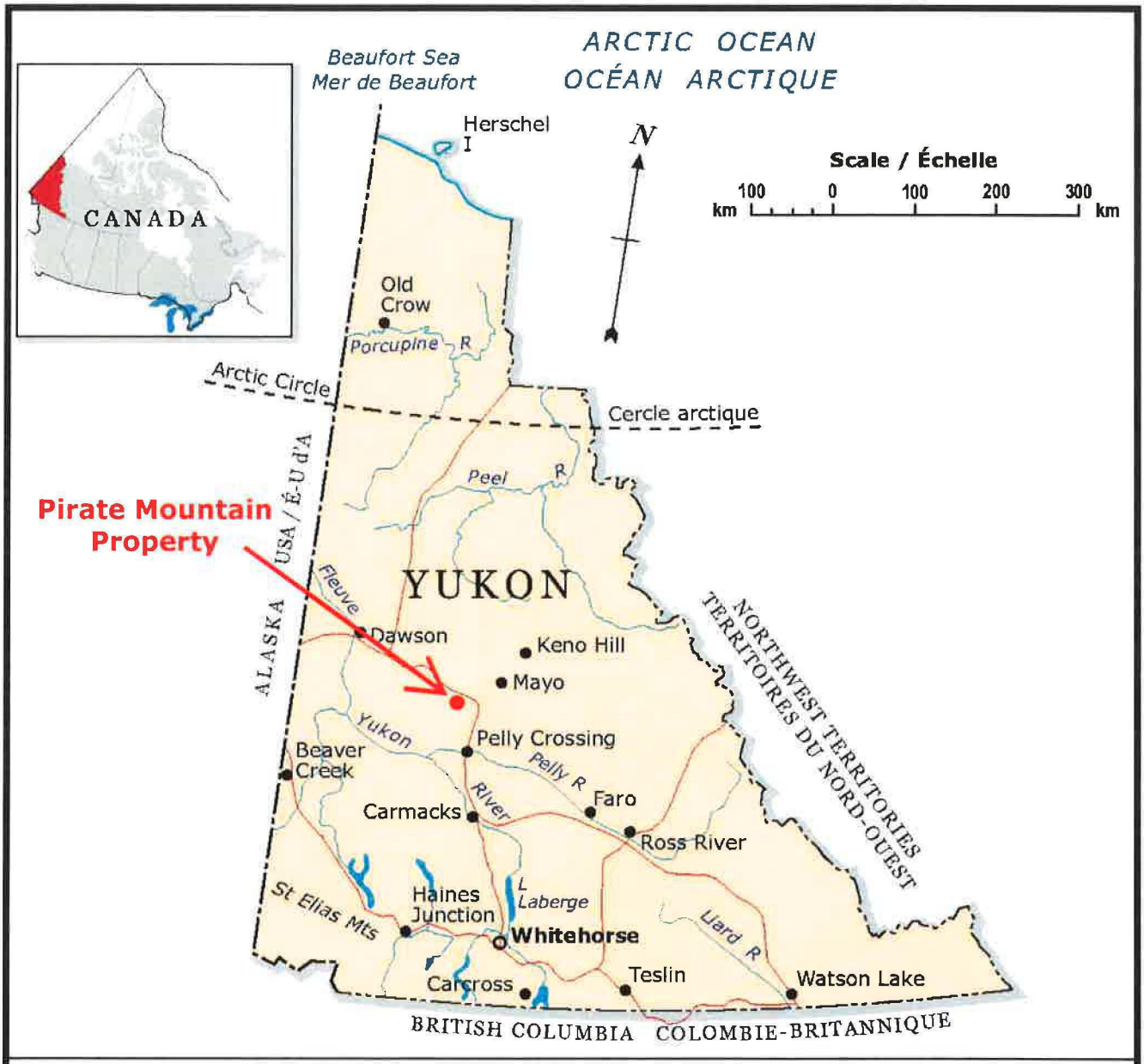
The Property is located in west-central Yukon, approximately 24 kilometres west of the Stewart Crossing (Figure 1) on the Klondike Highway, and about 139 km east southeast of Dawson City. The centre of the Property lies at latitude 63° 20' 43" north, and longitude 137° 13' 15" west. Locally, the Property is situated south of Lake Creek and encompasses part of the ridge top of Pirate Mountain.

The Property is accessible by helicopter from Dawson City.

4.0 TOPOGRAPHY, VEGETATION & CLIMATE

Physiographically, the Property is situated within the Klondike Plateau, and located south of the Stewart River. The terrain is moderately mountainous (Photos 1 and 2). Topography is locally rugged with occasional cliffs and moderately to deeply incised creek valleys. Within the Property, elevations range from about 670 m near Lake Creek in the north to 1,340 m on Pirate Mountain in the southwest corner of the Property. Many tributaries of Lake Creek form incised valleys throughout the Property. Drainage is north and east into Lake Creek, which drains northwest into the Stewart River. The Stewart River flows west to join the Yukon River a further 90 km to the west.

The area has undergone glaciation. Outcrop is typically less than 5% of the area, predominately occurring along road cuts, creek valleys and ridge tops. Permafrost is likely to be continuous on north-facing slopes and patchy on south-facing slopes. Vegetation at lower elevations consists of a moderately open deciduous/evergreen forest of black spruce, paper birch and aspen, with buckbrush and willow along valley bottoms. Alpine conditions occur above 1,150 m, at the tops of ridges and upper slopes, where vegetation is limited to willow and buckbrush. Snowpack occurs at the top of the ridges on Pirate Mountain.



PIRATE MOUNTAIN PROPERTY

Goldspike Exploration Inc.

Fig 1 Property Location Map

November 30, 2011

Photo 1: View from the Pirate Mountain property looking north towards Reid Lake. The photo was taken along the Pirate Mountain ridge at UTM 387819E and 7025820N and an elevation of about 1,310 m.

Photo 2: View from the Pirate Mountain property looking south. The photo was taken along an eastern ridge near rock sample 1208301 at UTM 389660E and 7026302N and an elevation of about 1,190 m.

5.0 PROPERTY DESCRIPTION

The Property consists of a block of 112 contiguous quartz mineral claims. The claim block stretches about 6.4 km east-west, and 4.2 km north-south, covering an area of approximately 2,341 hectares in the Dawson Mining District (Figure 2). All claims are recorded in the name of Goldstrike of Toronto, Ontario, which owns 100% of the claims. A small geochemical and prospecting program was done on 43 of the claims as shown on Table 1, which lists the details of the claim tenures. Figure 2 shows the location of the claims.

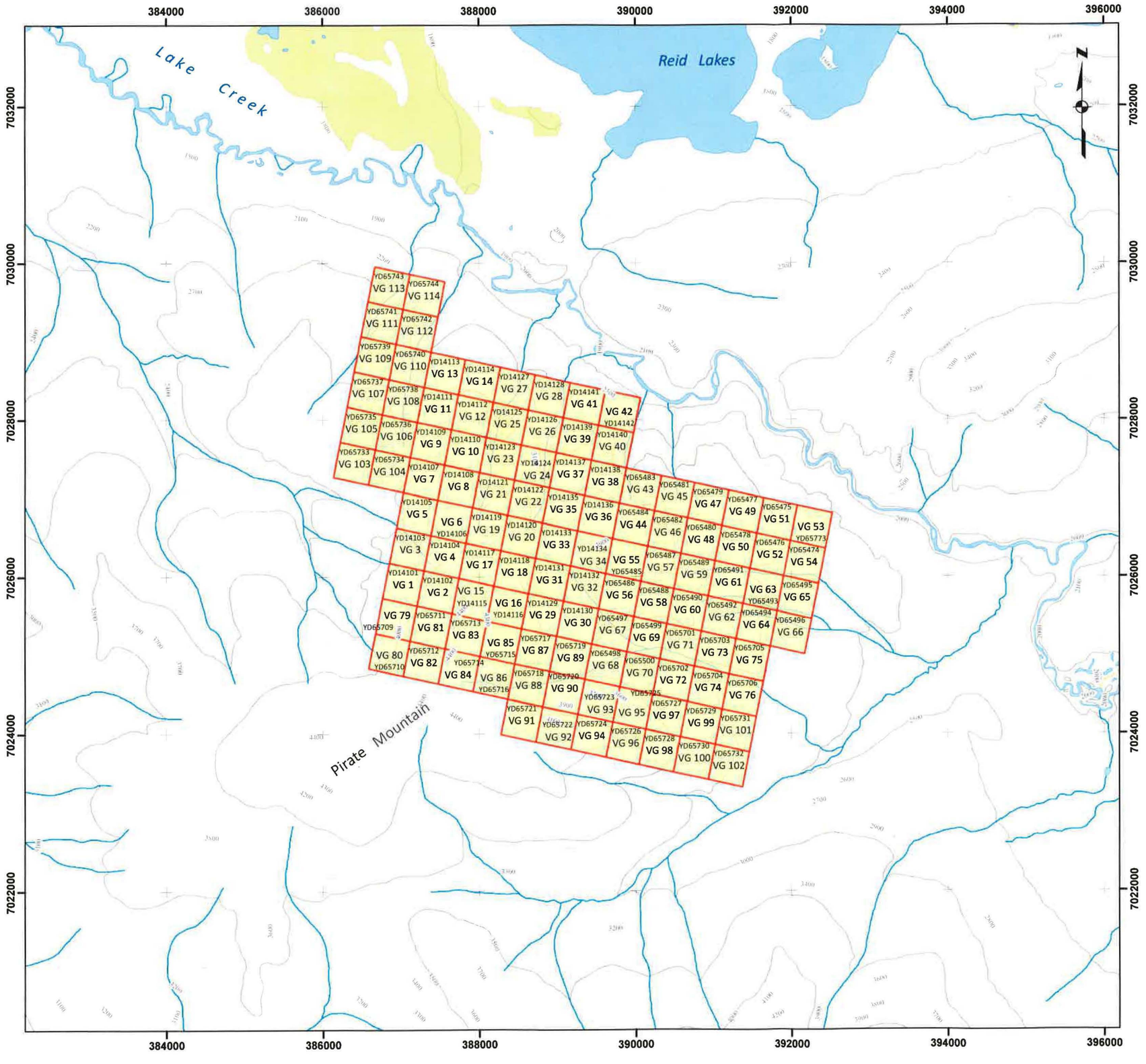
TABLE 1: Tenure Description

Claim Name	Grant Number	Claim Owner	Expiry Date	Status	NTS Number
VG 1*	YD14101	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 2	YD14102	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 3	YD14103	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 4*	YD14104	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 5*	YD14105	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 6*	YD14106	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 7	YD14107	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 8	YD14108	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 9	YD14109	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 10	YD14110	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 11	YD14111	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 12	YD14112	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 13	YD14113	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 14	YD14114	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 15*	YD14115	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 16*	YD14116	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 17	YD14117	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 18*	YD14118	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 19	YD14119	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 20	YD14120	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 21	YD14121	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 22	YD14122	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 23	YD14123	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 24	YD14124	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 25	YD14125	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 26	YD14126	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 27	YD14127	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 28	YD14128	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 29	YD14129	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 30	YD14130	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 31*	YD14131	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06

VG 32	YD14132	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 33*	YD14133	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 34*	YD14134	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 35	YD14135	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 36*	YD14136	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 37*	YD14137	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 38*	YD14138	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 39*	YD14139	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 40	YD14140	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 41*	YD14141	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 42	YD14142	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 43	YD65483	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 44*	YD65484	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 45	YD65481	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 46*	YD65482	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 47	YD65479	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 48*	YD65480	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 49	YD65477	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 50*	YD65478	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 51	YD65475	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 52*	YD65476	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 53	YD65773	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 54	YD65474	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 55*	YD65485	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 56	YD65486	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 57*	YD65487	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 58*	YD65488	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 59*	YD65489	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 60*	YD65490	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 61*	YD65491	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 62*	YD65492	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 63*	YD65493	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 64	YD65494	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 65*	YD65495	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 66	YD65496	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 67	YD65497	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 68	YD65498	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 69	YD65499	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 70	YD65500	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 71	YD65701	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 72	YD65702	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 73*	YD65703	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 74	YD65704	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 75*	YD65705	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 76	YD65706	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 79*	YD65709	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06

VG 80	YD65710	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 81*	YD65711	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 82*	YD65712	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 83*	YD65713	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 84	YD65714	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 85	YD65715	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 86	YD65716	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 87	YD65717	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 88	YD65718	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 89	YD65719	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 90	YD65720	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 91*	YD65721	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 92*	YD65722	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 93	YD65723	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 94*	YD65724	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 95	YD65725	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 96*	YD65726	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 97*	YD65727	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 98*	YD65728	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 99*	YD65729	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 100	YD65730	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 101	YD65731	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 102	YD65732	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 103	YD65733	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 104*	YD65734	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 105	YD65735	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 106	YD65736	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 107	YD65737	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 108	YD65738	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 109	YD65739	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 110	YD65740	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 111	YD65741	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 112	YD65742	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 113	YD65743	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06
VG 114	YD65744	Goldspike Exploration Inc. - 100%	3/23/2013	Active	115P06

* Expiry date is dependent on the acceptance of this report



Legend

Pirate Mountain Claims

Pirate Mountain Property

Goldspike Exploration Inc.

Fig. 2 Claim Locations

November 30, 2011

0 500 1,000 2,000 3,000 Metres

Scale 1:50,000

UTM NAD 83 (Zone 8) 115P06

Elevation in Feet

6.0 EXPLORATION HISTORY

No exploration work has been previously done on the Property. The Geological Survey of Canada ("GSC") conducted a regional silt stream sediment program throughout the Yukon Territory in the 1970s and 1980s, which included sampling streams within the Property boundary. The data were re-analysed and re-released in 2006 and has become available on the Yukon government website (www.geology.gov.yk.ca).

In 1985, Miramar Energy Corporation conducted a program of prospecting, stream sediment and alluvial testing program on its property, called the Pirate property, which was centred about 2.5 km to the south (Caulfield and Ikona, 1985). This program was designed to follow up a recent placer gold find in a tributary of Lake Creek by a prospector. The results were discouraging and no further work was carried out.

7.0 GEOLOGY

7.1 Regional Geology

The Property lies within the Yukon-Tanana tectonic terrane of the Intermontane Belt, and lies southwest of the Tintina Trench. The Tintina Trench marks the boundary between strata of the ancestral North America to the northeast, and the high-grade metamorphic rocks of the allochthonous Yukon-Tanana terrane to the southwest (Figure 3).

The region is underlain by the mid-Cretaceous Cassiar batholith (unit mKqC), which consists of muscovite-biotite granite, biotite±muscovite granodiorite along with lesser biotite ±horneblende granodiorite and quartz monzonite. Four kilometres to the east of the Property, the intrusion is overlain by mid Cretaceous Mount Nansen volcanic rocks (unit mKN), which consist of andesite, dacite and rhyolite breccia, tuff and porphyry and associated plugs, dikes and sills. Felsic orthogneiss, belonging to the Devonian-Mississippian Nasina Group (unit DMN4), occurs about 8 kilometres to the southwest of the Property. A unit of conglomerate (unit uTrS) is in contact with the intrusion east of the Property.

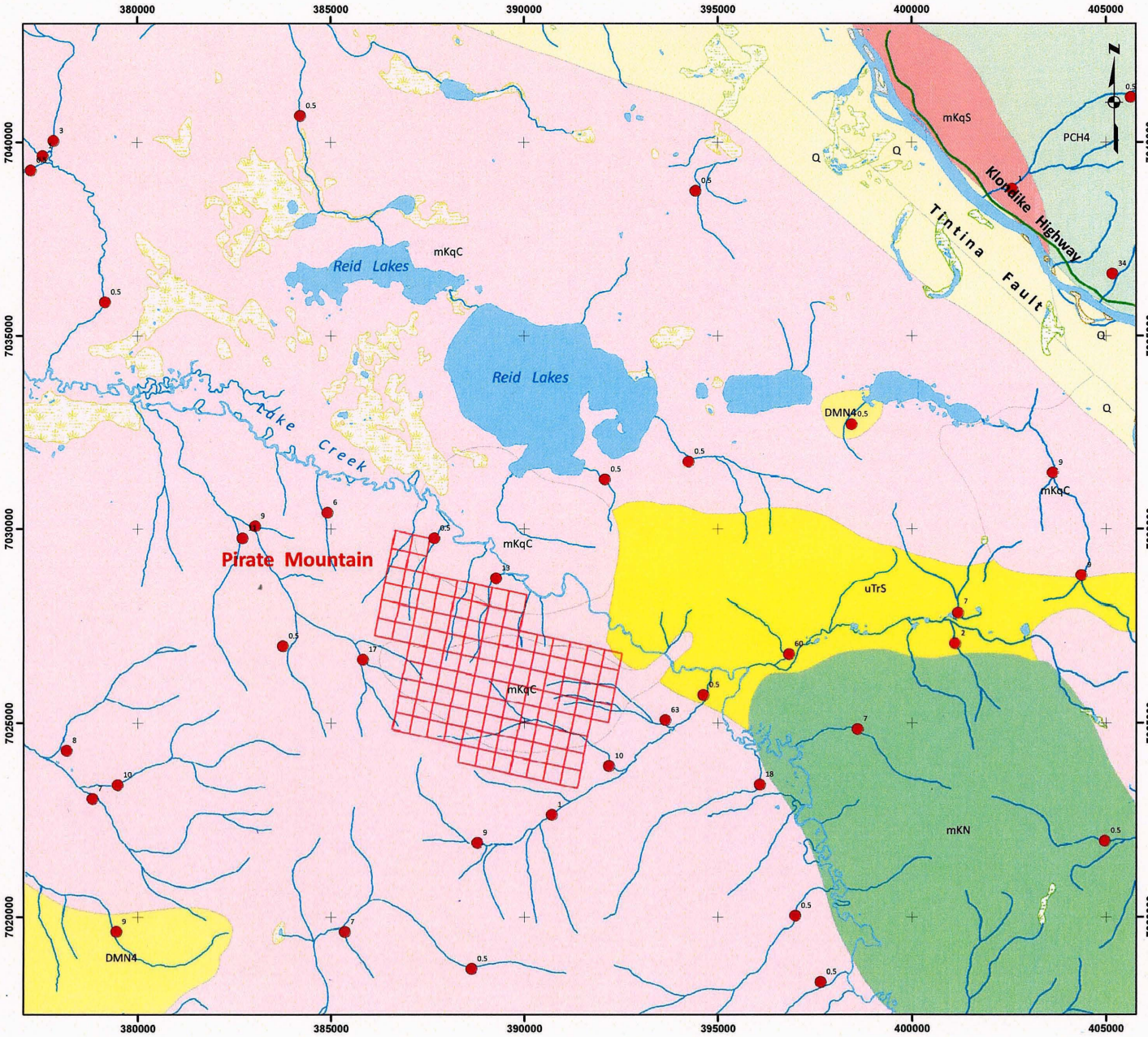
The area underwent continental glaciation. Some of the glacial deposits have been recognized as older than the Late Pleistocene McConnell glaciation (<30,000 years), belonging to a pre-Reid (from about 3 million years) glaciation.

7.2 Property Geology

The area covered by the Property is underlain by the mid-Cretaceous Cassiar batholith. In more detail, these rocks consist of K-feldspar granite, biotite quartz monzonite, biotite hornblende

quartz monzonite and granodiorite.

Regional-scale silt stream sediment surveying carried out by the GSC in the 1970s and 1980s. In 2006, the stored samples were re-analysed and the results re-released. The work resulted in 5 gold-in-silt anomalies of 63, 17, 13, 10 and 9 ppb Au (98^{th} to 90^{th} percentile) along tributaries that drain Pirate Mountain on all sides. The Property was staked to cover the inferred source of these geochemical anomalies.



Legend

- RGS silt (AU in ppb)

Geology_Bedrock

REG_UNIT

Q	Quaternary	silt/sand/gravel
mKN	Cretaceous	andesite/dacite/breccia/tuffs/ rhyolite/porphyry/plugs/dykes/sills
mKqC		granite/quartz monzonite/granodiorite
mKqS		granite/quartz monzonite/granodiorite
uTrS	Triassic	conglo
DMN4	Devonian/Mississippian	quartzite/qt-ms-schist
PCH4	Upper Proterozoic/Cambrian	phyllite/shale/sandstone/grit/ conglomerate/limestone

Pirate Mountain Property

Goldspike Exploration Inc.

Fig. 3 Regional Geology

November 30, 2011

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

Scale 1:100,000

UTM NAD 83 (Zone 8) 115P06

Elevation in Feet

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

Although the area has undergone glaciation, gold placers, and soil and silt geochemical surveys can still be effective in locating gold deposits, in particular along mountain ridges and crests where soils are less likely to be deep. These higher elevations preclude areas of glacial outwash gravels, till or lacustrine sediments found at lower elevations, which can mask the subcrop. In parts of the Yukon, loess deposits, which mask subcrop, can hamper soil sampling. Local colluvium can also present problems in the sampling of residual bedrock. In till covered areas, an interpretation of ice direction is important in the interpretation of results.

The 2011 exploration program was contracted out to Druid of Dawson City, Yukon, which conducted a first pass, reconnaissance-type field program, exploring for gold mineralization. Ridgeline soil sampling along with silt sampling of streams and prospecting was used to explore the Property.

Field work was carried out on June 18 and 19, 2011 by a five-man crew, and consisted of a reconnaissance-type program of prospecting and geochemical sampling. This involved four samplers collecting soil samples along seven ridges or spurs at 100-metre intervals. One silt sample was collected from an easterly draining creek from the area of Pirate Mountain. In addition, a geologist prospected within parts of the Property, collected rock grab samples where possible and took structural measurements. The Property was accessed using a Jet Ranger helicopter owned by Heli Dynamics Ltd. from Dawson City, a distance of about 139 km.

Prior to beginning the field work, soil sample locations were derived using Arc GIS and sample waypoints were programmed into handheld GPSs. In the field, the samplers took deep soil samples with Dutch augers, targeting the top of the weathered subcrop. The exact location of the sample was recorded on the GPS and later imported to Arc GIS for mapping. Detailed sample notes were taken at each site (depth, soil type, vegetation etc.) as well as a picture of each site. Kraft sample bags were used for sample collection. The sample location was flagged with the corresponding Acme tag number written on the flagging tape. Permafrost conditions were encountered at a few soil locations, particularly at north-facing slopes within deep valleys.

A silt sample was collected at the site of a GSC 10 ppb gold sample. The sample was collected in the low energy stream bed environment. The sample was taken by hand with no sieves. Detailed notes were taken.

Rock samples were collected along the prospectors' traverse. Sample locations were recorded on a handheld GPS, and sites were marked by flagging the site with the corresponding Acme sample tag. Each rock sample was described and photographed. The rocks represent local lithologies present in outcrop, and are not necessarily mineralized.

In total, 166 reconnaissance soil samples, 1 silt sample and 12 rock samples were sent for analysis. Samples were placed in rice bags and shipped to Acme Analytical Laboratories Ltd ("Acme") in Whitehorse for sample preparation. Acme then shipped the prepared samples to its Vancouver lab for analysis. Soil, silt and rock descriptions are given in Appendices I, II and III, respectively.

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-HNO_3-H_2O); 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 sample was 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, silt and rock samples are given in Appendices IV, V and VI, respectively.

8.3 Results

Sample locations and IDs of the soil, silt and rock samples are shown on Figure 4. The geochemical results for gold values, as a bubble map, are shown on Figure 5.

SOILS

Seven soil lines were done on the Property, with four of them starting near the top of the Pirate Mountain and heading northwest, northeast and east down the spurs of ridges. Four other traverses started on a lower ridge to the east. Thick vegetation hampered the collection of soils on some of the lower reaches of the Property.

One traverse on the west part of the Property yielded the three highest soil values of 25, 16 and 13 ppb Au, (samples 1208123, 1208132 and 1208139, respectively). The highest value occurs along a ridge about 2 km northeast of Pirate Mountain.

A second area of interest occurs part way down a spur on the east part of the Property (Photo 3). Six samples along three different traverses contain gold values ranging from 5 to 10 ppb Au.

Arsenic values reach a value of 15 ppb As and are not anomalous. Antimony and bismuth values are all generally low.

Photo 3: Soil sample 1208205. Located along a ridge at UTM 390969E, 7025852N, at an elevation of 1,016 m.

SILTS

Silt stream sediments were targeted along three tributaries in the eastern part of the Property; however, it was found that these streams are intermittent. At the time of sampling, they were dry and not sampled. One silt sample was collected on a nearby tributary at a lower elevation, near the site of the GSC gold-in-silt anomaly of 10 ppb Au. The silt sample has a value of 3 ppb Au.

ROCKS

Much of the exposed bedrock along the ridges consists of medium-grained granodiorite, along with granitic rock present in a few places. The lower elevation, eastern ridge, where rock samples 1208301 to 1208303 and 1208310 to 1208312 were collected (Photos 2, 4 and 5), has several small showings of gabbro, which appear to intrude the granodiorites and diorites. Sample 1208312 had the highest geochemical values of 5 ppb Au and 115 ppb Cu.

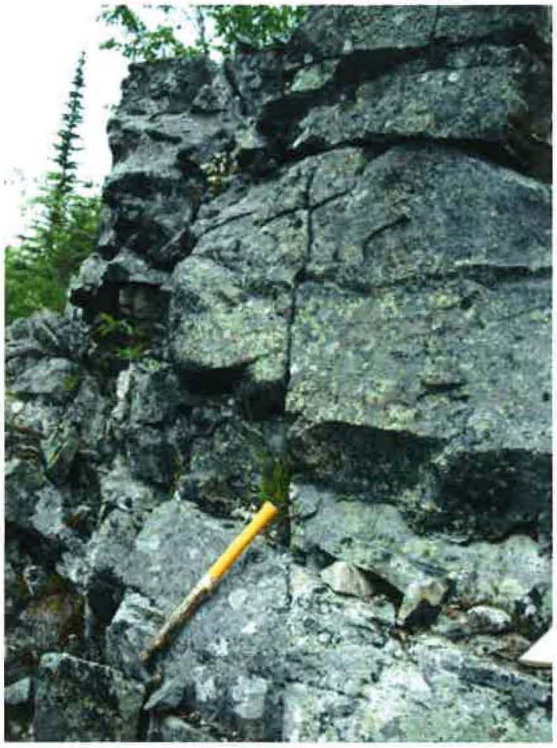


Photo 4: Outcrop along top of eastern ridge at UTM 389599E, 7026325N

Photo 5: Rock sample 1208301, described as a diorite collected from subcrop, taken in the vicinity of Photo 3

Legend

- ★ rock
- ▲ silt
- ● soil

Pirate Mountain Property

Goldspike Exploration Inc.

Fig. 4 Sample Locations

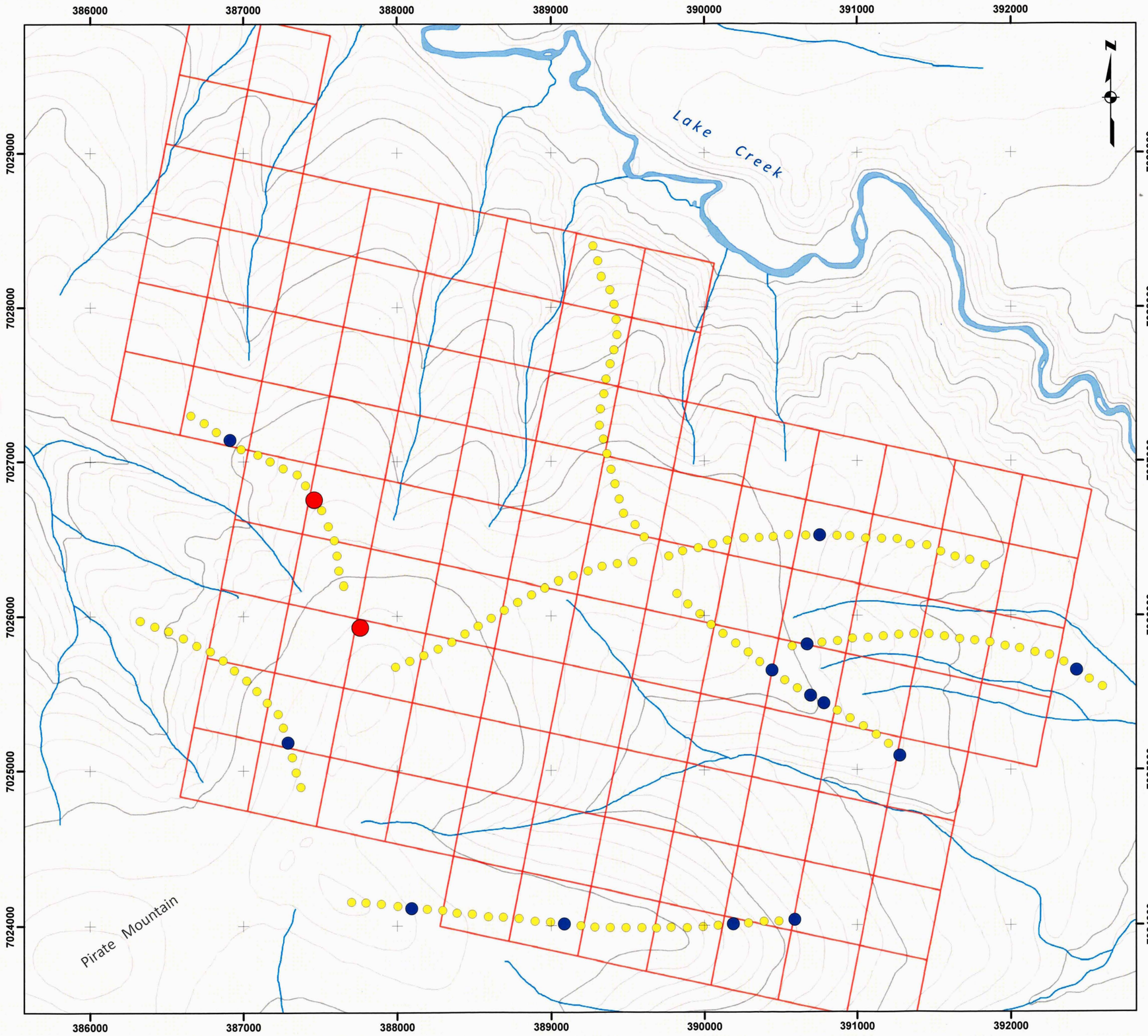
November 30, 2011

0 500 1,000 2,000 Metres

Scale 1:25,000

UTM NAD 83 (Zone 8) 115P06

Elevation in Feet



Legend

Au in soils

- 1.0 - 5.0 ppb
- 5.1 - 15.0 ppb
- >15.0 ppb

Pirate Mountain Property

Goldspike Exploration Inc.

Fig. 5 Soil Geochemical: Gold

November 30, 2011

0 500 1,000 2,000 Metres

Scale 1:25,000

UTM NAD 83 (Zone 8) 115P06

Elevation in Feet

9.0 DISCUSSION AND CONCLUSIONS

The Property was staked for its gold potential. The combination of anomalous GSC stream sediment samples and favourable lithology indicated a good potential for gold mineralization on the Property.

Only one silt sample was collected, near the site of the one of the five anomalous GSC gold-in silt samples. Although the gold value in the GSC silt sample was not duplicated, the non-duplication of gold values in standard sample silt samples is a common occurrence. In addition, the sites of the other four anomalous GSC silt samples have yet to be evaluated.

The reconnaissance soil sampling program was limited to seven spurs and thus the extent to which the Property was fully explored is limited. One traverse on the west part of the Property yielded the three highest soil values of 25, 16 and 13 ppb Au, with the highest value occurring northeast of Pirate Mountain. Although these values can be considered to be moderately anomalous, it does not preclude the possibility that gold mineralization may occur on the Property.

Twelve rock samples were collected along ridges and spurs, and all were intrusive rocks consisting of granites, granodiorites and diorites, along with one quartz-rich sample. The geochemistry did not reveal any anomalous values.

10.0 RECOMMENDATIONS

Further prospecting and rock sampling is warranted. Additional soil sampling is also recommended, as the first pass soil sampling program was limited in the coverage across the Property.

Four anomalous GSC gold-in-silt samples remain un-evaluated. For any further silt surveys, consideration should be given to collecting sediments from the high energy environment in the stream bed. This would necessitate field sieving gravels to -20 mesh.

Analysis of soil samples for pathfinder elements (after drying) by an XRF analyzer, before being shipped for laboratory analysis, should be considered. This would facilitate a much more rapid follow up of anomalies.

Respectfully submitted,

A. Koffyberg, PGeo
Discovery Consultants
Vernon, BC
November 30, 2011

11.0 REFERENCES

Bond, J. (2011): An overview of Yukon Surficial Geology and its application to mineral exploration; Dawson Rocks Presentation, Yukon Geological Survey

Caulfield D.A. and C.K. Ikona (1985): 1985 Summary report on the Pirate Mineral claims, McQuesten Gold Project, for Miramar Energy Corporation.; AR 091847

Mortensen, J.K. (1996): Geological Compilation Maps of the northern Stewart River Map Area, Klondike and Sixty Mile Districts (115N/15,16; 115O/13,14; and parts of 115O15, 16) Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1996-1 (G), p. 43

12.0 STATEMENT OF COSTS

PIRATE MOUNTAIN PROPERTY				
	RATE	DAYS		TOTAL
Transportation				
Helicopter - wet				$9,281.28
LABOUR / CREW				
Jr-Geologist x 1	$400.00	2		$800.00
SAMPLERS x 4	$350.00	2		$2,800.00
Pilot x 1	$0.00	1		$0.00
FOOD				
All from Dawson x 5	$350.00	2		$700.00
Accommodation				
Motel	$99.00			$1,485.00
TRANSPORT				
Pick-up truck	$120.00	3		$360.00
Fuel / Propane	$250.00	2		$250.00
SAMPLE ASSAY				
Rock	$24.00	12		$288.00
soil	$20.00	166		$3,320.00
Silt	$20.00	1		$20.00
Report Writing				$1,500.00
Cartography				$1,000.00
			TOTAL	**$21,804.28**

13.0 STATEMENT OF QUALIFICATIONS

I, Agnes Koffyberg, PGeo, of Discovery Consultants, 201-2928 29th Street, Vernon, BC,

DO HEREBY CERTIFY that:

1. I am a geologist in mineral exploration and am employed by Discovery Consultants, Vernon, BC.

2 I graduated with a B.Sc. degree in combined Geological Sciences/Chemistry from Brock University in 1987. In addition, I have obtained a M.Sc. in Geology from the University of Alberta in 1994.

3. I am a member of the Association of Professional Engineers and Geoscientists of BC, registration number 31384, and am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta, registration number M60148.

4. I have worked as a geologist for a total of 14 years since graduation from university.

5. This report is based upon knowledge of the Property gained from a review of existing industry and government reports.

Signed and dated this thirtieth day of November, 2011 in Vernon, BC

Agnes Koffyberg, PGeo
Discovery Consultants

Pirate Mountain Property

Soil Sample Description

2011

Date	Lab Tag Number	UTM		Elev (m)	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material
		Easting	Northing					Organics	Ang. Rock	Gravel	Sand	Silt	Clay	
18-Jun-11	1208101	389768	7026383		10-20	b/c	light brown		10	10	40	40		weathered bedrock
18-Jun-11	1208102	389858	7026416		20-30	c	light brown			20	20		60	weathered bedrock
18-Jun-11	1208103	389958	7026437		20-30	c	light brown			20	40		40	weathered bedrock
18-Jun-11	1208104	389957	7026437		30-40	c				40	30		30	weathered bedrock
18-Jun-11	1208105	390149	7026485		30-40	c	light brown		20		40		40	weathered bedrock
18-Jun-11	1208106	390255	7026501		50-60	c	light brown			20		40	40	talus
18-Jun-11	1208107	390355	7026502		60-70	c	light brown			20	40		40	talus
18-Jun-11	1208108	390450	7026508		30-40	c	light brown			33	33		33	talus
18-Jun-11	1208109	390550	7026520		40-50	c	light brown		10	20	30		30	weathered bedrock
18-Jun-11	1208110	390663	7026517		30-40	c	light brown			33	33		33	weathered bedrock
18-Jun-11	1208111	390754	7026518		40-50	c	light brown			40	20		40	talus
18-Jun-11	1208112	390867	7026515		>80	c	light brown			40	20		40	weathered bedrock
18-Jun-11	1208113	390951	7026512		50-60	c	light brown			40	20		40	weathered bedrock
18-Jun-11	1208114	391055	7026497		30-40	c	light brown			40	20		40	weathered bedrock
18-Jun-11	1208115	391157	7026495		30-40	c	light brown			40	20		40	weathered bedrock
18-Jun-11	1208116	391259	7026493		70-80	c	light brown			40	20		4-	weathered bedrock
18-Jun-11	1208117	391344	7026459		40-50	c	light brown			40	40		20	weathered bedrock
18-Jun-11	1208118	391451	7026452		20-30	c	light brown			40	40		20	weathered bedrock
18-Jun-11	1208119	391541	7026411		30-40	c	light brown			40	20		40	weathered bedrock
18-Jun-11	1208120	391636	7026378		30-40	c	light brown			40	40		20	talus
18-Jun-11	1208121	391731	7026356		40-50	c	light brown			40	40		20	talus
18-Jun-11	1208122	391832	7026321		30-40	c	light brown			40	40		20	weathered bedrock
18-Jun-11	1208123	387758	7025926		30-40	c	dark grey			50			50	weathered bedrock
19-Jun-11	1208124	387726	7026012											
19-Jun-11	1208125	387692	7026107											
19-Jun-11	1208126	387650	7026196		10-20	c	dark grey	30		20			50	talus
19-Jun-11	1208127	387620	7026291		20-30	c	dark brown			40	20		40	talus
19-Jun-11	1208128	387608	7026388		30-40	c	dark brown			40	20		40	talus
19-Jun-11	1208129	387590	7026488		30-40	c	light brown			40	20		40	talus
19-Jun-11	1208130	387551	7026579		30-40	c	light brown			40	20		40	talus
19-Jun-11	1208131	387508	7026683		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208132	387459	7026751		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208133	387402	7026844		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208134	387348	7026915		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208135	387257	7026955		30-40	c	light brown			40	20		40	talus

APPENDIX I - Soil Descriptions

Date	Lab Tag Number	UTM		Elev (m)	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material
		Easting	Northing					Organics	Ang. Rock	Gravel	Sand	Silt	Clay	
19-Jun-11	1208136	387173	7027001		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208137	387093	7027044		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208138	386984	7027080		30-40	c	light brown			40	20		40	talus
19-Jun-11	1208139	386912	7027139		20-30	c	light brown			40	20		40	talus
19-Jun-11	1208140	386822	7027191		30-40	c	light brown			40	20		40	talus
19-Jun-11	1208141	386743	7027250		30-40	c	light brown			40	20		40	talus
19-Jun-11	1208142	386655	7027299		30-40	c	light brown			40	20		40	talus
18-Jun-11	1208151	387701	7024154	1346	50-60	c	light brown		15	15		70		weathered bedrock
18-Jun-11	1208152	387794	7024150	1341	30-40	c	light brown		5	5		65	25	weathered bedrock
18-Jun-11	1208153	387895	7024141	1333	40-50	c	light brown		5			65	30	weathered bedrock
18-Jun-11	1208154	388004	7024127	1321	50-60	c	light brown		5			65	30	weathered bedrock
18-Jun-11	1208155	388093	7024112	1314	40-5-	c	light brown		5			35	60	weathered bedrock
18-Jun-11	1208156	388195	7024107	1303	30-40	c	light brown		5			65	30	weathered bedrock
18-Jun-11	1208157	388296	7024100	1298	60-70	c	light brown		10	10	10	70		weathered bedrock
18-Jun-11	1208158	388389	7024083	1288	30-40	c	light brown				20	80		weathered bedrock
18-Jun-11	1208159	388488	7024077	1280	40-50	c	light brown				20	70	10	weathered bedrock
18-Jun-11	1208160	388593	7024059	1279	40-50	c	light brown					40	60	weathered bedrock
18-Jun-11	1208161	388688	7024056	1276	10-20	b/c	lightbrown						100	weathered bedrock
18-Jun-11	1208162	388790	7024047	1272	40-50	c	light brown		10			30	60	weathered bedrock
18-Jun-11	1208163	388895	7024029	1268	50-60	c	light brown		5			45	50	weathered bedrock
18-Jun-11	1208164	388994	7024023	1265	40-50	c	light brown		5			35	60	weathered bedrock
18-Jun-11	1208165	389085	7024010	1258	40-50	c	light brown					40	60	weathered bedrock
18-Jun-11	1208166	389193	7024000	1250	40-50	c	light brown					20	80	weathered bedrock
18-Jun-11	1208167	389283	7023989	1245	40-50	c	light brown		5			25	70	weathered bedrock
18-Jun-11	1208168	389385	7023986	1241	40-50	c	light brown					25	75	weathered bedrock
18-Jun-11	1208169	389487	7023985	1242	30-40	c	light brown					25	75	weathered bedrock
18-Jun-11	1208170	389591	7023986	1242	40-50	c	light brown		5			25	70	weathered bedrock
18-Jun-11	1208171	389687	7023984	1239	40-50	c	light brown					20	80	weathered bedrock
18-Jun-11	1208172	389782	7023988	1230	50-60	c	light brown					35	65	weathered bedrock
18-Jun-11	1208173	389887	7023986	1210	10-20	b/c	light brown					50	50	weathered bedrock
18-Jun-11	1208174	389990	7023991	1184	20-30	b/c	light brown					50	50	weathered bedrock
18-Jun-11	1208175	390087	7024001	1157	20-30	c	light brown	5				45	50	weathered bedrock
18-Jun-11	1208176	390186	7024008	1131	40-50	c	light brown					40	60	weathered bedrock
18-Jun-11	1208177	390284	7024015	1104	50-60	c	light brown		5			45	50	weathered bedrock
18-Jun-11	1208178	390389	7024025	1075	30-40	c	light brown		5			65	30	weathered bedrock
18-Jun-11	1208179	390486	7024027	1053	40-50	c	light brown					40	60	weathered bedrock
18-Jun-11	1208180	390590	7024036	1032	40-50	c	light brown		5			35	60	weathered bedrock
19-Jun-11	1208181	389608	7026508	1203	40-50	c	light brown		5			35	60	weathered bedrock
19-Jun-11	1208182	389548	7026588	1181	30-40	c	light brown					40	60	weathered bedrock
19-Jun-11	1208183	389472	7026662	1171	30-40	c	light brown					45	55	weathered bedrock

APPENDIX I - Soil Descriptions

Date	Lab Tag Number	UTM		Elev (m)	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material
		Easting	Northing					Organics	Ang. Rock	Gravel	Sand	Silt	Clay	
19-Jun-11	1208184	389444	7026755	1160	40-50	c	light brown					50	50	weathered bedrock
19-Jun-11	1208185	389417	7026853	1146	30-40	c	light brown					40	60	weathered bedrock
19-Jun-11	1208186	389391	7026947	1128	60-70	c	light brown					60	40	weathered bedrock
19-Jun-11	1208187	389364	7027048	1101	40-50	c	light brown		5			35	60	weathered bedrock
19-Jun-11	1208188	389341	7027143	1073	40-50	c	light brown	5	5			40	50	weathered bedrock
19-Jun-11	1208189	389316	7027234	1043	30-40	b/c	light brown	5				45	50	weathered bedrock
19-Jun-11	1208190	389322	7027339	1011	20-30	c	light brown				10	60	30	weathered bedrock
19-Jun-11	1208191	389345	7027438	983	30-40	c	light brown	5	5	5	20	50	15	weathered bedrock
19-Jun-11	1208192	389358	7027535	955	60-70	c	light brown				20	70	10	weathered bedrock
19-Jun-11	1208193	389386	7027633	930	60-70	c	light brown				30	70		weathered bedrock
19-Jun-11	1208194	389410	7027724	916	>80	c	light brown				30	70		weathered bedrock
19-Jun-11	1208195	389430	7027821	901	60-70	c	light brown				20	50	30	weathered bedrock
19-Jun-11	1208196	389425	7027920	881	>80	c	light brown				30	70		weathered bedrock
19-Jun-11	1208197	389411	7028020	861	50-60	c	light brown				10	60	30	weathered bedrock
19-Jun-11	1208198	389384	7028112	835	40-50	c	light brown				10	40	50	weathered bedrock
19-Jun-11	1208199	389328	7028198	809	50-60	c	light brown				20	80		weathered bedrock
19-Jun-11	1208200	389305	7028300	785	30-40	c	light brown				10	40	50	weathered bedrock
18-Jun-11	1208201	390574	7025803	1076	40-50	c	light brown		10				90	weathered bedrock
18-Jun-11	1208202	390671	7025814	1061	50-60	c	light brown		5				95	weathered bedrock
18-Jun-11	1208203	390769	7025827	1046	50-60	c	light brown		5				95	weathered bedrock
18-Jun-11	1208204	390871	7025837	1033	50-60	c	light brown		5				95	weathered bedrock
18-Jun-11	1208205	390969	7025852	1016	50-60	c	light brown		5				95	weathered bedrock
18-Jun-11	1208206	391070	7025858	999	50-60	c	light brown		5		10		85	weathered bedrock
18-Jun-11	1208207	391168	7025867	979	50-60	c	light brown		10				90	weathered bedrock
18-Jun-11	1208208	391269	7025876	966	30-40	c	lightt brown		5		5		90	weathered bedrock
18-Jun-11	1208209	391369	7025882	953	30-40	c	light brown		10				90	weathered bedrock
18-Jun-11	1208210	391465	7025881	940	40-50	c	light brown		10		10		80	weathered bedrock
18-Jun-11	1208211	391567	7025866	927	40-50	c	light brown		5				95	weathered bedrock
18-Jun-11	1208212	391665	7025849	916	50-60	c	light brown		20				80	weathered bedrock
18-Jun-11	1208213	391764	7025839	898	40-50	c	light brown		5		5		90	weathered bedrock
18-Jun-11	1208214	391863	7025827	887	50-60	c	light brown		20				80	weathered bedrock
18-Jun-11	1208215	391962	7025803	875	50-60	c	light brown		10				90	weathered bedrock
18-Jun-11	1208216	392057	7025788	865	40-50	c	light brown		30		40		30	weathered bedrock
18-Jun-11	1208217	392157	7025762	855	40-50	c	light brown		20		80		0	weathered bedrock
18-Jun-11	1208218	392251	7025745	844	50-60	c	light brown		10		20		70	weathered bedrock
18-Jun-11	1208219	392345	7025699	834	50-60	c	light brown		5		5		90	weathered bedrock
18-Jun-11	1208220	392427	7025646	825	50-60	c	light brown		10				90	weathered bedrock
18-Jun-11	1208221	392509	7025587	816	50-60	c	light brown		10		5		85	weathered bedrock
18-Jun-11	1208222	392595	7025540	809	60-70	c	light brown		5		5		90	weathered bedrock
19-Jun-11	1208223	387989	7025670	1333	30-40	b	dark brown				95		5	loess-organic rich

APPENDIX I - Soil Descriptions

Date	Lab Tag Number	UTM		Elev (m)	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material
		Easting	Northing					Organics	Ang. Rock	Gravel	Sand	Silt	Clay	
19-Jun-11	1208224	388082	7025708	1314	20-30	b	dark brown				90		10	loess-organic rich
19-Jun-11	1208225	388173	7025746	1290	20-30	b	dark brown				95		5	loess-organic rich
19-Jun-11	1208226	388266	7025788	1268	20-30	b/c	light brown		15		70		15	loess-organic rich
19-Jun-11	1208227	388356	7025833	1248	30-40	b/c	light brown		15		60		25	loess-organic rich
19-Jun-11	1208228	388441	7025885	1233	40-50	b/c	light brown		15		5		80	weathered bedrock
19-Jun-11	1208229	388527	7025937	1220	50-60	c	light grey		10	20	10		60	weathered bedrock
19-Jun-11	1208230	388612	7025987	1208	60-70	c	light brown		10	10	20		60	weathered bedrock
19-Jun-11	1208231	388696	7026038	1198	70-80	c	light brown		10	15	10		65	weathered bedrock
19-Jun-11	1208232	388783	7026089	1190	60-70	c	light brown		10	15	10		65	weathered bedrock
19-Jun-11	1208233	388873	7026138	1182	50-60	c	light brown		10	10			80	weathered bedrock
19-Jun-11	1208234	388959	7026181	1175	60-70	c	light brown		10	15	19		65	weathered bedrock
19-Jun-11	1208235	389047	7026226	1172	50-60		light brown		10	10			80	weathered bedrock
19-Jun-11	1208236	389142	7026258	1173	50-60		light brown		10	20	30		40	weathered bedrock
19-Jun-11	1208237	389241	7026288	1181	30-40	b/c	light brown			20	40		40	weathered bedrock
19-Jun-11	1208238	389333	7026317	1179	50-60	c	light brown			30	70			weathered bedrock
19-Jun-11	1208239	389432	7026335	1183	40-50	c	light brown			30	60		10	weathered bedrock
19-Jun-11	1208240	389532	7026347	1188	40-50	b/c	light brown		10				90	weathered bedrock
18-Jun-11	1208251	389821	7026145	1164	50-60	b/c	light brown			50			50	weathered bedrock
18-Jun-11	1208252	389892	7026076	1155	60-70	b/c	light brown			50	50			weathered bedrock
18-Jun-11	1208253	389971	7026013	1144	50-60	b/c	light brown			50			50	loess-organic rich
18-Jun-11	1208254	390043	7025943	1135	60-70	b/c	light brown			50			50	loess-organic rich
18-Jun-11	1208255	390120	7025886	1125	>80	b/c	light brown			50			50	weathered bedrock
18-Jun-11	1208256	390202	7025823	1116	60-70	c	light brown			100				weathered bedrock
18-Jun-11	1208257	390283	7025765	1108	>80	c	light brown			100				weathered bedrock
18-Jun-11	1208258	390361	7025702	1096	60-70	c	light brown			100				weathered bedrock
18-Jun-11	1208259	390443	7025646	1088	70-80	c	light brown			100				weathered bedrock
18-Jun-11	1208260	390526	7025584	1083	70-80	c	light brown		50	50				weathered bedrock
18-Jun-11	1208261	390607	7025532	1077	>80	c	lightbrown			50			50	weathered bedrock
18-Jun-11	1208262	390694	7025483	1069	70-80	b/c	light brown			100				weathered bedrock
18-Jun-11	1208263	390782	7025433	1059	70-80	b/c	light brown			100				weathered bedrock
18-Jun-11	1208264	390869	7025385	1047	50-60	b/c	light brown		50	50				weathered bedrock
18-Jun-11	1208265	390954	7025336	1033	40-50	b/c	light brown			50			50	weathered bedrock
18-Jun-11	1208266	391040	7025284	1018	70-80	b/c	light brown			50			50	weathered bedrock
18-Jun-11	1208267	391123	7025228	1006	60-70	b/c	light brown			100				weathered bedrock
18-Jun-11	1208268	391202	7025170	990	60-70	b/c	light brown			100				weathered bedrock
18-Jun-11	1208269	391276	7025092	975	60-70	b/c	light brown			100				weathered bedrock
19-Jun-11	1208270	387372	7024893	1323	20-30	c	dark brown			100				weathered bedrock
19-Jun-11	1208271	387343	7024987	1312	20-30	b/c	light brown	33	33	33				weathered bedrock
19-Jun-11	1208272	387318	7025086	1302	30-40	a/b	dark brown			100				weathered bedrock
19-Jun-11	1208273	387289	7025182	1290	20-30	b/c	yellowish orange			100				weathered bedrock

APPENDIX I - Soil Descriptions

Date	Lab Tag Number	UTM		Elev (m)	Sample Depth (cm)	Horizon	Colour	Sample Composition (%)						Parent Material
		Easting	Northing					Organics	Ang. Rock	Gravel	Sand	Silt	Clay	
19-Jun-11	1208274	387259	7025279	1280	60-70	c	light brown			100				weathered bedrock
19-Jun-11	1208275	387225	7025366	1268	60-70	c	light brown			100				weathered bedrock
19-Jun-11	1208276	387155	7025439	1252	70-80	b/c	light brown			50			50	weathered bedrock
19-Jun-11	1208277	387086	7025515	1238	50-60	c	light brown			100				weathered bedrock
19-Jun-11	1208278	387020	7025584	1222	60-70	c	dark brown		50	50				weathered bedrock
19-Jun-11	1208279	386940	7025650	1200	50-60	b/c	dark grey			100				weathered bedrock
19-Jun-11	1208280	386867	7025715	1179	70-80	b/c	light brown			50			50	weathered bedrock
19-Jun-11	1208281	386782	7025773	1156	60-70	c	light brown			100				weathered bedrock
19-Jun-11	1208282	386694	7025810	1127	70-80	c	light brown		50	50				weathered bedrock
19-Jun-11	1208283	386606	7025858	1096	60-70	c	dark grey				100			weathered bedrock
19-Jun-11	1208284	386509	7025904	1069	>80	c	yellowish orange			100				weathered bedrock
19-Jun-11	1208285	386421	7025934	1065	30-40	b/c	light brown			100				weathered bedrock
19-Jun-11	1208286	386326	7025970	1052	60-70	b/c	light brown			100				weathered bedrock
19-Jun-11	1208601	389274	7028396	764	>90	c	light brown				10	40	50	weathered bedrock

APPENDIX II - Silt Descriptions

Pirate Mountain Property

Silt Sample Description

2011

Date	Lab Tag Number	UTM		Elev (m)	Sample Environment	Medium	Medium Width	Bank Type
		Easting	Northing					
19-Jun-11	1208351	392588	7023790		bar	stream	1.5m	organic/fluvial

APPENDIX III - Rock Descriptions

Pirate Mountain Property

Rock Sample Description

2011

Date	Lab Tag Number	UTM		Elev (m)	Sampler	Type	Sample Description
		Easting	Northing				
19-Jun-11	1208301	389681	7026308	1202	C. Jones	suboutcrop	med to coarse textured diorite, increased hornblende, slickenside surface is weathered with platey metallic mineralization (weathered mica or maybe pyrite)
19-Jun-11	1208302	389669	7026288	1207	C. Jones	float	med to coarse textured, granodiorite/diorite, trace arsenopyrite
19-Jun-11	1208303	389731	7026305	1191	C. Jones	float	biotite muscovite quartz granite, weak diss'd sulphides, long (30mm) tabular green crystals (actinolite)
19-Jun-11	1208304	390264	7026287	1099	C. Jones	float	med textured diorite/gabro, increased plagicoclase, dark black anhedral phenos (hornblende)
19-Jun-11	1208305	390475	7026177	1071	C. Jones	float	granodiorite, magnesium oxide staining
19-Jun-11	1208306	387499	7025068	1331	C. Jones	float	fine textured, intermediate trachyte, grey, light quartz / feldspar phenos, intrudes granite, at least 20 meters wide and trends 220°
19-Jun-11	1208307	387925	7025467	1354	C. Jones	float	solid vitreous/milky quartz, slight rust staining, found attached to diorite rock on scree slope
19-Jun-11	1208308	388105	7025533	1322	C. Jones	float	representative diorite sample of area, scree slope
19-Jun-11	1208309	388806	7026253	1177	C. Jones	float	course textured light brown granite, quartz and biotite are the major constituents
19-Jun-11	1208310	389664	7026349	1204	C. Jones	float	fine textured gabbro, increased plagioclase (labradorite), increased sulphides, blebs up to 10mm arsenopyrite and finely dissem throughout, moderately magnetic
19-Jun-11	1208311	389674	7026357	1201	C. Jones	float	granodiorite, coarse textured, blebs and fine dissem arsenopyrite
19-Jun-11	1208312	389720	7026306	1187	C. Jones	float	kspar, quartz granite, course tex'd, minor biotite speckling, no sulphides

APPENDIX IV - Soil Geochemistry - Analytical Results

Goldspike Exploration Inc.

Pirate Mountain

Soil Results (2011)

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208101	WH11000280	389768	7026383	2.0	<0.1	8.7	0.6	28.5	9.3	52.0	0.9	17.9	8.0	184.0	2.21
1208102	WH11000280	389858	7026416	1.7	<0.1	9.1	0.6	25.5	9.1	56.0	1.1	20.1	10.3	342.0	2.38
1208103	WH11000280	389958	7026437	1.3	<0.1	9.5	0.6	24.2	9.3	54.0	1.1	19.3	9.3	301.0	2.39
1208104	WH11000280	390053	7026461	3.5	<0.1	7.3	0.5	23.7	8.4	50.0	0.8	20.4	10.1	308.0	2.09
1208105	WH11000280	390149	7026485	1.6	<0.1	9.0	0.6	21.8	9.5	52.0	1.2	21.8	9.9	298.0	2.41
1208106	WH11000280	390255	7026501	4.2	<0.1	9.1	0.7	33.9	9.7	60.0	1.0	25.2	11.3	412.0	2.45
1208107	WH11000280	390355	7026502	4.4	<0.1	9.6	0.6	26.1	11.0	51.0	1.1	21.5	10.7	348.0	2.43
1208108	WH11000280	390450	7026508	1.7	<0.1	6.5	0.5	22.6	7.7	50.0	0.7	19.8	9.2	248.0	2.13
1208109	WH11000280	390550	7026520	3.0	<0.1	5.9	0.4	17.4	9.7	48.0	0.7	14.5	6.3	168.0	1.89
1208110	WH11000280	390663	7026517	0.9	<0.1	8.1	0.6	25.2	9.0	53.0	0.6	20.4	7.1	229.0	2.00
1208111	WH11000280	390754	7026518	5.4	<0.1	6.9	0.6	20.4	8.7	46.0	0.8	17.7	6.2	193.0	1.90
1208112	WH11000280	390867	7026515	3.3	<0.1	13.1	1.0	38.9	13.3	76.0	1.2	31.1	11.3	424.0	2.85
1208113	WH11000280	390951	7026512	3.8	<0.1	10.0	0.8	31.8	14.8	53.0	1.1	24.1	10.1	315.0	2.44
1208114	WH11000280	391055	7026497	4.7	<0.1	8.7	0.7	26.3	10.5	49.0	0.7	18.0	7.2	219.0	1.69
1208115	WH11000280	391157	7026495	2.2	<0.1	7.4	0.5	18.3	11.1	45.0	0.7	15.7	7.4	231.0	1.87
1208116	WH11000280	391259	7026493	3.8	<0.1	11.9	1.0	37.3	13.7	63.0	1.2	28.2	10.2	344.0	2.74
1208117	WH11000280	391344	7026459	1.4	<0.1	12.4	0.6	25.3	12.6	51.0	0.8	17.4	6.9	225.0	2.13
1208118	WH11000280	391451	7026452	<0.5	0.1	11.9	0.6	18.9	10.9	48.0	0.8	18.8	6.4	169.0	2.10
1208119	WH11000280	391541	7026411	3.4	<0.1	10.6	0.6	26.9	13.5	47.0	0.7	19.8	10.3	224.0	2.52
1208120	WH11000280	391636	7026378	1.0	<0.1	14.1	0.7	15.7	11.7	49.0	1.0	18.4	7.2	189.0	2.57
1208121	WH11000280	391731	7026356	3.2	<0.1	9.5	0.5	19.4	10.6	41.0	0.6	16.0	5.4	163.0	1.70
1208122	WH11000280	391832	7026321	1.9	<0.1	9.1	0.6	24.2	14.1	47.0	0.5	15.6	8.6	315.0	1.90
1208123	WH11000280	387758	7025926	25.4	<0.1	4.2	0.7	23.5	10.4	59.0	0.5	17.4	7.1	129.0	1.68
1208126	WH11000280	387650	7026196	3.1	0.1	8.9	0.6	22.4	9.0	60.0	1.0	18.0	7.3	178.0	2.24
1208127	WH11000280	387620	7026291	3.3	0.1	9.6	0.6	22.6	8.2	66.0	1.1	18.7	8.2	268.0	2.56
1208128	WH11000280	387608	7026388	3.5	<0.1	9.3	0.6	29.8	8.1	67.0	0.9	23.2	11.4	309.0	2.66
1208129	WH11000280	387590	7026488	2.1	<0.1	7.7	0.6	26.0	7.2	61.0	1.0	19.8	9.9	312.0	2.31

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
2.4	14.0	<0.1	0.2	55	0.14	0.047	12	26	0.44	193	0.044	1	1.70	0.010	0.04
4.9	14.0	<0.1	0.1	51	0.15	0.043	16	27	0.47	240	0.059	<1	1.67	0.010	0.06
4.2	15.0	<0.1	0.1	53	0.15	0.051	13	27	0.47	213	0.058	<1	1.59	0.009	0.05
3.9	21.0	0.1	0.1	42	0.23	0.036	13	29	0.50	355	0.055	1	1.49	0.010	0.04
3.8	14.0	<0.1	0.2	53	0.13	0.023	12	29	0.48	224	0.049	<1	1.79	0.009	0.04
4.5	23.0	<0.1	0.2	52	0.25	0.038	14	28	0.55	388	0.059	<1	1.91	0.012	0.05
5.1	23.0	<0.1	0.2	54	0.24	0.039	14	33	0.49	381	0.055	1	1.71	0.011	0.04
4.1	17.0	<0.1	0.1	46	0.18	0.023	12	30	0.49	229	0.053	<1	1.62	0.008	0.03
4.7	12.0	0.1	0.1	40	0.12	0.051	13	23	0.37	153	0.039	<1	1.38	0.007	0.03
5.0	15.0	<0.1	0.2	31	0.15	0.050	20	21	0.38	222	0.032	<1	1.12	0.006	0.04
4.7	11.0	<0.1	0.1	31	0.11	0.040	16	22	0.36	180	0.035	<1	1.08	0.006	0.04
5.8	28.0	0.2	0.2	58	0.24	0.038	16	33	0.56	401	0.070	1	1.63	0.012	0.07
9.3	17.0	<0.1	0.2	49	0.12	0.019	20	29	0.38	281	0.072	<1	1.51	0.008	0.04
6.9	10.0	0.1	0.2	22	0.07	0.024	24	16	0.28	173	0.026	<1	0.87	0.005	0.03
6.1	12.0	<0.1	0.2	34	0.09	0.018	17	22	0.32	184	0.045	<1	1.03	0.006	0.03
8.3	22.0	<0.1	0.2	52	0.17	0.024	19	32	0.49	387	0.069	<1	1.64	0.012	0.06
9.5	16.0	0.2	0.2	33	0.15	0.086	15	20	0.28	114	0.041	<1	1.43	0.006	0.06
6.2	9.0	<0.1	0.2	40	0.07	0.050	9	23	0.32	132	0.041	<1	1.41	0.006	0.06
11.4	27.0	0.1	0.2	46	0.17	0.047	10	31	0.38	209	0.066	<1	1.97	0.010	0.05
3.7	9.0	<0.1	0.2	52	0.07	0.040	9	26	0.35	161	0.035	<1	1.57	0.006	0.05
7.4	12.0	0.1	0.1	27	0.09	0.089	8	19	0.24	126	0.033	<1	1.18	0.006	0.06
9.8	18.0	0.1	0.2	29	0.18	0.046	21	20	0.32	177	0.049	2	1.10	0.005	0.06
2.0	16.0	0.1	0.2	48	0.20	0.074	15	27	0.49	194	0.037	1	1.44	0.009	0.05
1.1	14.0	<0.1	0.2	49	0.15	0.059	10	28	0.47	162	0.033	1	1.51	0.008	0.05
1.2	16.0	0.1	0.2	54	0.19	0.063	11	26	0.50	186	0.048	1	1.55	0.010	0.08
2.5	19.0	0.1	0.2	54	0.23	0.065	12	30	0.57	200	0.058	2	1.78	0.009	0.08
3.3	20.0	0.1	0.1	47	0.28	0.066	16	24	0.53	298	0.068	<1	1.46	0.009	0.06

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
0.1	0.05	4.9	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
0.2	0.05	5.0	<0.1	<0.05	5	<0.5	<0.2
0.1	0.06	4.4	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.05	2.2	<0.1	<0.05	2	<0.5	<0.2
0.1	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
0.2	0.05	4.9	<0.1	<0.05	4	<0.5	<0.2
0.2	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
0.2	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2
0.2	0.05	2.0	0.1	<0.05	5	<0.5	<0.2
0.2	0.05	2.1	0.1	<0.05	5	<0.5	<0.2
0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
0.2	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2

APPENDIX IV - Soil Geochemistry - Analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208130	WH11000280	387551	7026579	4.3	<0.1	10.5	0.6	22.8	9.7	64.0	1.0	19.1	8.7	342.0	2.56
1208131	WH11000280	387508	7026683	3.7	<0.1	11.1	0.7	18.3	11.4	68.0	1.1	18.1	8.2	366.0	2.78
1208132	WH11000280	387459	7026751	15.8	<0.1	8.2	0.6	15.3	10.8	54.0	0.9	15.5	7.1	312.0	2.40
1208133	WH11000280	387402	7026844	2.5	<0.1	8.3	0.6	21.5	11.6	70.0	0.8	19.0	9.1	465.0	2.70
1208134	WH11000280	387348	7026915	2.6	<0.1	11.3	0.6	20.3	12.8	62.0	1.1	18.4	9.3	429.0	2.88
1208135	WH11000280	387257	7026955	1.7	<0.1	10.6	0.5	13.7	14.3	53.0	1.4	14.3	5.9	250.0	2.68
1208136	WH11000280	387173	7027001	2.6	<0.1	10.9	0.7	14.8	34.2	66.0	1.2	15.2	8.1	403.0	3.04
1208137	WH11000280	387093	7027044	2.3	<0.1	8.1	0.5	15.4	15.0	58.0	1.0	13.4	6.7	309.0	2.68
1208138	WH11000280	386984	7027080	2.9	<0.1	10.5	0.6	21.5	11.9	61.0	1.0	18.3	8.8	404.0	2.78
1208139	WH11000280	386912	7027139	13.0	<0.1	7.4	0.4	16.4	10.1	56.0	0.7	15.5	6.1	185.0	2.29
1208140	WH11000280	386822	7027191	1.6	<0.1	9.6	0.6	14.6	13.0	61.0	0.9	16.7	9.1	425.0	3.19
1208141	WH11000280	386743	7027250	4.8	<0.1	12.5	0.7	17.3	11.5	53.0	1.2	17.5	7.5	219.0	3.00
1208142	WH11000280	386655	7027299	2.9	<0.1	11.1	0.7	23.5	9.9	56.0	1.0	20.8	10.0	440.0	2.67
1208151	WH11000280	387701	7024154	3.8	<0.1	9.6	0.6	16.6	14.2	60.0	0.9	17.2	8.7	332.0	2.43
1208152	WH11000280	387794	7024150	3.4	<0.1	8.4	0.6	16.5	12.7	63.0	0.9	17.2	7.7	341.0	2.36
1208153	WH11000280	387895	7024141	3.1	<0.1	7.4	0.5	15.5	17.2	54.0	0.9	14.5	5.5	227.0	2.19
1208154	WH11000280	388004	7024127	3.8	<0.1	5.9	0.5	15.4	11.4	50.0	0.8	13.2	5.0	234.0	1.99
1208155	WH11000280	388093	7024112	5.2	<0.1	7.9	0.5	13.2	14.6	53.0	1.0	16.0	6.3	250.0	2.23
1208156	WH11000280	388195	7024107	2.9	<0.1	9.7	0.5	8.1	12.0	56.0	1.1	11.2	5.7	342.0	2.77
1208157	WH11000280	388296	7024100	2.4	<0.1	7.4	0.5	16.8	13.5	54.0	0.8	15.7	6.7	323.0	2.36
1208158	WH11000280	388389	7024083	2.2	<0.1	10.5	0.7	13.6	13.1	60.0	0.9	17.7	9.8	393.0	2.79
1208159	WH11000280	388488	7024077	2.3	<0.1	7.9	0.5	13.2	11.5	50.0	1.1	14.4	6.4	252.0	2.34
1208160	WH11000280	388593	7024059	3.3	<0.1	6.3	0.4	17.2	9.7	47.0	0.7	21.9	11.7	317.0	2.42
1208161	WH11000280	388688	7024056	1.3	<0.1	9.1	0.5	28.9	11.1	46.0	1.0	25.6	9.5	206.0	2.32
1208162	WH11000280	388790	7024047	3.7	<0.1	7.6	0.5	27.5	8.0	51.0	0.8	23.3	8.1	219.0	2.20
1208163	WH11000280	388895	7024029	1.9	<0.1	6.7	0.4	24.4	6.3	75.0	0.5	31.4	14.5	524.0	3.02
1208164	WH11000280	388994	7024023	2.7	<0.1	8.7	0.5	24.5	11.6	42.0	1.0	16.7	7.9	216.0	2.59
1208165	WH11000280	389085	7024010	5.6	<0.1	8.2	0.6	28.2	11.7	57.0	0.7	23.1	9.3	274.0	2.17
1208166	WH11000280	389193	7024000	2.4	<0.1	8.5	0.6	24.5	9.1	60.0	0.9	21.3	10.2	327.0	2.59
1208167	WH11000280	389283	7023989	1.7	<0.1	9.7	0.6	22.0	9.9	53.0	1.0	20.7	9.5	287.0	2.40
1208168	WH11000280	389385	7023986	2.0	<0.1	7.1	0.4	18.9	7.4	45.0	0.7	17.3	8.0	233.0	2.16
1208169	WH11000280	389487	7023985	2.1	0.1	12.7	0.7	25.2	16.4	56.0	1.4	22.3	10.6	286.0	3.24

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
3.1	14.0	0.1	0.2	49	0.16	0.055	19	27	0.46	214	0.042	<1	1.69	0.007	0.07
5.2	15.0	0.1	0.2	50	0.17	0.052	19	27	0.47	203	0.057	<1	1.67	0.008	0.11
5.9	17.0	<0.1	0.1	41	0.19	0.034	25	24	0.41	234	0.058	<1	1.45	0.007	0.11
7.2	17.0	0.1	0.1	44	0.18	0.037	33	23	0.49	285	0.085	<1	1.55	0.008	0.18
7.3	13.0	<0.1	0.2	48	0.13	0.039	29	27	0.45	270	0.071	<1	1.72	0.007	0.11
4.7	11.0	0.1	0.2	55	0.11	0.066	18	26	0.36	159	0.068	<1	1.57	0.007	0.07
6.9	12.0	<0.1	0.2	51	0.12	0.040	26	28	0.50	176	0.057	<1	1.90	0.008	0.11
6.6	11.0	<0.1	0.1	44	0.11	0.034	28	23	0.43	191	0.081	1	1.57	0.007	0.16
7.7	14.0	<0.1	0.2	46	0.14	0.032	36	24	0.44	311	0.058	<1	1.68	0.005	0.12
3.4	13.0	0.1	0.1	39	0.17	0.044	29	23	0.45	190	0.036	<1	1.42	0.008	0.09
8.9	13.0	<0.1	0.2	43	0.16	0.021	26	23	0.46	241	0.089	<1	1.94	0.008	0.20
5.6	12.0	<0.1	0.2	54	0.10	0.019	23	32	0.46	161	0.055	<1	1.84	0.008	0.05
5.6	16.0	<0.1	0.2	47	0.14	0.041	23	24	0.44	273	0.050	<1	1.52	0.008	0.07
9.4	17.0	0.1	0.2	43	0.18	0.058	26	26	0.44	249	0.052	<1	1.50	0.011	0.09
10.4	13.0	0.2	0.3	40	0.16	0.059	36	21	0.40	113	0.054	1	1.36	0.008	0.11
6.6	13.0	0.1	1.5	41	0.15	0.049	40	22	0.37	122	0.042	<1	1.39	0.008	0.08
8.4	13.0	0.1	0.3	36	0.15	0.042	33	20	0.34	124	0.049	<1	1.21	0.008	0.09
7.3	13.0	0.1	0.2	39	0.15	0.051	33	25	0.38	129	0.042	<1	1.40	0.008	0.08
3.9	10.0	0.1	0.1	49	0.09	0.043	25	23	0.33	87	0.052	1	1.31	0.008	0.08
5.0	16.0	<0.1	0.2	38	0.18	0.048	44	24	0.40	162	0.045	<1	1.30	0.009	0.08
14.3	13.0	0.1	0.2	41	0.13	0.059	45	25	0.46	140	0.044	<1	1.68	0.008	0.10
7.2	11.0	<0.1	0.2	41	0.12	0.045	48	22	0.41	86	0.059	1	1.38	0.006	0.08
3.8	21.0	0.1	0.1	43	0.24	0.054	20	28	0.58	183	0.076	<1	1.47	0.007	0.09
0.5	19.0	<0.1	0.2	51	0.18	0.047	13	32	0.46	205	0.043	<1	1.57	0.008	0.04
3.1	17.0	<0.1	0.2	42	0.18	0.046	13	28	0.51	156	0.055	<1	1.42	0.008	0.04
3.6	29.0	0.1	0.1	48	0.34	0.081	12	48	1.17	221	0.092	<1	1.85	0.008	0.24
1.6	13.0	0.2	0.2	49	0.14	0.088	15	28	0.46	173	0.052	<1	1.61	0.007	0.08
2.5	23.0	0.2	0.1	42	0.25	0.065	15	25	0.48	227	0.053	<1	1.13	0.010	0.04
3.5	21.0	0.2	0.2	52	0.24	0.061	16	28	0.55	256	0.079	<1	1.50	0.009	0.08
3.8	15.0	0.2	0.2	49	0.15	0.045	14	29	0.50	157	0.063	<1	1.52	0.007	0.05
2.7	15.0	0.1	0.1	43	0.16	0.035	13	24	0.50	148	0.072	<1	1.33	0.008	0.06
3.7	14.0	0.1	0.4	69	0.13	0.044	13	39	0.47	231	0.064	<1	2.22	0.008	0.05

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.2	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
0.2	0.05	2.8	0.1	<0.05	5	<0.5	<0.2
0.1	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
0.1	0.04	3.6	0.2	<0.05	5	<0.5	<0.2
0.1	0.05	4.1	0.1	<0.05	5	0.5	<0.2
0.2	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
0.1	0.04	2.9	0.1	<0.05	6	<0.5	<0.2
0.1	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
0.1	0.04	4.3	0.2	<0.05	5	<0.5	<0.2
0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	2.8	0.3	<0.05	6	<0.5	<0.2
0.1	0.05	4.0	0.1	<0.05	5	0.5	<0.2
0.2	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
0.2	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
0.1	0.02	1.6	0.1	<0.05	6	<0.5	<0.2
<0.1	0.04	2.0	0.2	<0.05	5	0.5	<0.2
0.2	0.02	2.8	0.1	<0.05	5	0.6	<0.2
0.1	0.03	1.8	0.1	<0.05	5	0.6	<0.2
0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
<0.1	0.03	1.5	<0.1	<0.05	6	<0.5	<0.2
0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
<0.1	0.02	1.9	0.1	<0.05	5	0.6	<0.2
0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	3.4	0.1	<0.05	7	0.5	<0.2

APPENDIX IV - Soil Geochemistry - Analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208170	WH11000280	389591	7023986	3.3	<0.1	11.3	0.6	20.2	11.8	47.0	1.3	17.9	9.2	250.0	3.19
1208171	WH11000280	389687	7023984	1.2	<0.1	9.5	0.7	42.0	10.0	64.0	1.0	30.3	16.0	424.0	2.40
1208172	WH11000280	389782	7023988	2.7	<0.1	10.8	0.7	34.0	9.7	59.0	1.0	25.1	13.3	340.0	2.44
1208173	WH11000280	389887	7023986	3.6	0.1	9.6	0.5	24.1	10.2	69.0	0.9	19.5	14.9	667.0	2.38
1208174	WH11000280	389990	7023991	3.7	<0.1	8.3	0.5	22.8	7.6	53.0	0.8	19.2	8.6	234.0	2.20
1208175	WH11000280	390087	7024001	1.7	<0.1	9.0	0.5	16.5	7.8	53.0	0.9	16.4	7.2	222.0	2.14
1208176	WH11000280	390186	7024008	5.3	<0.1	8.4	0.5	21.7	7.8	53.0	1.0	19.9	8.4	270.0	2.21
1208177	WH11000280	390284	7024015	4.2	<0.1	7.0	0.5	18.0	6.5	51.0	0.8	19.3	9.4	284.0	2.02
1208178	WH11000280	390389	7024025	2.3	<0.1	11.6	0.6	20.7	8.9	62.0	1.3	21.5	9.8	299.0	2.69
1208179	WH11000280	390486	7024027	3.1	<0.1	8.4	0.5	20.1	7.7	53.0	0.9	19.2	9.0	254.0	2.10
1208180	WH11000280	390590	7024036	5.2	<0.1	7.1	0.5	18.3	6.7	50.0	0.8	17.2	7.0	189.0	1.97
1208181	WH11000280	389608	7026508	2.6	<0.1	12.3	0.7	29.7	10.9	63.0	1.1	23.5	12.0	334.0	2.99
1208182	WH11000280	389548	7026588	4.1	<0.1	9.7	0.6	25.8	8.1	60.0	0.8	20.8	9.5	297.0	2.40
1208183	WH11000280	389472	7026662	1.8	<0.1	12.2	0.6	24.4	10.9	59.0	1.0	20.7	10.7	349.0	2.61
1208184	WH11000280	389444	7026755	2.0	<0.1	11.9	0.7	22.6	10.6	60.0	1.0	20.8	9.6	312.0	2.77
1208185	WH11000280	389417	7026853	2.5	<0.1	9.8	0.7	26.8	9.6	65.0	1.0	22.0	10.8	367.0	2.65
1208186	WH11000280	389391	7026947	2.4	<0.1	9.9	0.6	32.2	9.0	59.0	1.0	22.1	11.2	360.0	2.54
1208187	WH11000280	389364	7027048	1.6	<0.1	11.4	0.6	27.3	9.8	65.0	1.1	22.4	10.9	323.0	2.77
1208188	WH11000280	389341	7027143	4.0	<0.1	8.4	0.5	21.7	7.3	61.0	0.8	20.1	10.8	350.0	2.41
1208189	WH11000280	389316	7027234	2.6	0.2	8.6	0.5	20.8	8.0	62.0	0.8	19.9	8.9	222.0	2.40
1208190	WH11000280	389322	7027339	0.5	0.1	7.8	0.4	21.5	8.3	59.0	0.9	17.2	10.0	299.0	2.51
1208191	WH11000280	389345	7027438	2.3	<0.1	10.2	0.5	20.2	8.7	66.0	1.0	21.6	9.6	272.0	2.63
1208192	WH11000280	389358	7027535	2.5	<0.1	6.5	0.4	16.1	10.1	67.0	0.6	17.4	8.3	314.0	2.57
1208193	WH11000280	389386	7027633	0.9	<0.1	3.9	0.3	9.7	15.5	81.0	0.5	9.7	6.4	519.0	2.90
1208194	WH11000280	389410	7027724	2.5	<0.1	5.9	0.5	18.2	12.8	62.0	0.7	14.1	8.2	531.0	2.41
1208195	WH11000280	389430	7027821	2.6	<0.1	9.2	0.7	21.3	12.4	68.0	0.8	18.4	8.1	355.0	2.85
1208196	WH11000280	389425	7027920	1.1	<0.1	2.0	0.2	7.0	18.4	77.0	0.5	4.7	4.3	741.0	3.05
1208197	WH11000280	389411	7028020	4.6	<0.1	10.1	0.6	17.7	9.0	53.0	0.8	18.2	8.8	228.0	2.92
1208198	WH11000280	389384	7028112	1.8	<0.1	9.7	0.7	68.6	9.7	55.0	0.9	18.2	10.3	284.0	2.64
1208199	WH11000280	389328	7028198	1.5	<0.1	4.4	0.3	13.2	14.0	102.0	1.0	9.7	9.2	902.0	4.37
1208200	WH11000280	389305	7028300	2.6	<0.1	7.0	0.4	12.9	10.8	69.0	1.1	11.7	6.0	318.0	2.97
1208201	WH11000280	390574	7025803	2.2	<0.1	9.8	0.5	18.2	9.7	50.0	0.9	16.8	8.9	233.0	2.59

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	Sr	Cd	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
4.7	14.0	<0.1	0.3	63	0.13	0.045	16	32	0.46	245	0.087	<1	1.68	0.006	0.07
3.9	27.0	0.2	0.2	48	0.27	0.046	15	30	0.50	247	0.066	1	1.34	0.011	0.05
4.0	18.0	<0.1	0.2	52	0.16	0.040	14	30	0.49	221	0.065	<1	1.52	0.009	0.05
2.7	15.0	0.3	0.2	49	0.16	0.079	13	28	0.43	170	0.054	<1	1.39	0.007	0.05
2.9	15.0	0.2	0.3	45	0.16	0.048	14	27	0.44	205	0.053	<1	1.24	0.008	0.04
1.0	14.0	0.2	0.2	46	0.14	0.042	12	25	0.42	137	0.042	<1	1.18	0.007	0.04
3.8	18.0	0.1	0.2	46	0.18	0.034	14	28	0.50	269	0.058	<1	1.30	0.008	0.04
3.7	16.0	0.2	0.2	41	0.21	0.043	13	26	0.47	215	0.061	<1	1.14	0.008	0.04
4.1	15.0	0.1	0.2	55	0.15	0.049	12	33	0.49	235	0.060	<1	1.62	0.008	0.04
3.6	15.0	0.2	0.2	41	0.18	0.057	13	27	0.47	167	0.055	<1	1.39	0.008	0.04
4.2	18.0	0.1	0.1	43	0.20	0.038	14	25	0.44	226	0.056	<1	1.27	0.009	0.04
4.8	25.0	<0.1	0.2	64	0.23	0.036	15	35	0.56	260	0.072	1	2.22	0.014	0.06
3.5	23.0	0.1	0.1	52	0.28	0.075	15	25	0.47	265	0.054	1	1.66	0.015	0.05
4.2	17.0	0.1	0.2	54	0.17	0.047	17	28	0.51	237	0.054	<1	2.04	0.013	0.05
4.7	16.0	<0.1	0.2	54	0.16	0.045	16	28	0.52	227	0.056	<1	1.73	0.010	0.05
3.8	26.0	0.1	0.1	60	0.25	0.042	16	29	0.60	333	0.071	<1	1.76	0.014	0.05
3.1	26.0	0.1	0.1	65	0.31	0.053	15	31	0.55	253	0.062	<1	1.78	0.015	0.06
2.4	22.0	0.1	0.2	62	0.25	0.049	14	31	0.52	293	0.048	<1	2.10	0.014	0.05
2.5	27.0	0.1	0.2	55	0.34	0.049	12	27	0.55	250	0.050	<1	1.86	0.019	0.05
1.6	19.0	0.1	0.2	55	0.21	0.046	11	28	0.50	223	0.039	<1	2.01	0.012	0.05
1.8	28.0	0.1	0.2	61	0.34	0.032	12	27	0.61	261	0.063	<1	2.19	0.016	0.05
2.8	20.0	0.2	0.2	57	0.23	0.037	14	30	0.51	257	0.045	<1	2.33	0.014	0.05
7.2	19.0	0.1	0.2	44	0.22	0.039	31	25	0.51	243	0.067	1	1.81	0.015	0.11
16.1	18.0	0.1	0.1	28	0.17	0.050	77	14	0.37	194	0.097	<1	1.26	0.009	0.28
9.6	15.0	0.1	0.2	31	0.15	0.037	29	17	0.38	299	0.075	2	1.18	0.007	0.20
8.6	23.0	<0.1	0.2	45	0.21	0.023	28	25	0.43	374	0.076	2	1.57	0.008	0.07
14.0	19.0	<0.1	0.2	15	0.36	0.078	52	7	0.26	186	0.091	<1	1.17	0.008	0.22
4.2	20.0	<0.1	0.2	57	0.17	0.023	11	31	0.52	141	0.065	<1	1.75	0.006	0.05
5.8	24.0	<0.1	0.1	54	0.24	0.019	17	30	0.54	226	0.089	2	1.52	0.009	0.04
12.6	36.0	0.1	0.2	41	0.49	0.070	39	14	0.62	322	0.195	1	2.15	0.010	0.14
6.3	23.0	0.1	0.2	43	0.22	0.053	17	20	0.41	115	0.082	1	1.71	0.006	0.07
4.4	14.0	<0.1	0.2	64	0.12	0.019	14	29	0.48	208	0.078	1	1.81	0.010	0.04

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
0.2	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
0.2	0.02	2.8	<0.1	<0.05	5	0.5	<0.2
0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	4.6	0.1	<0.05	6	0.5	<0.2
0.3	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
0.2	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
0.2	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
0.2	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
0.2	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
0.2	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
0.2	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
<0.1	<0.01	2.8	<0.1	0.06	6	<0.5	<0.2
<0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
<0.1	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
<0.1	0.02	3.3	<0.1	0.05	5	<0.5	<0.2
0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
0.1	0.02	3.4	<0.1	<0.05	8	0.9	<0.2
0.2	0.02	2.0	<0.1	<0.05	6	0.5	<0.2
0.1	0.03	3.4	<0.1	<0.05	5	0.6	<0.2

APPENDIX IV - Soil Geochemistry - Analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208202	WH11000280	390671	7025814	10.2	<0.1	11.0	0.6	17.0	11.0	55.0	0.9	18.2	8.6	254.0	2.65
1208203	WH11000280	390769	7025827	1.9	<0.1	11.1	0.5	16.2	11.1	48.0	1.0	14.7	6.8	194.0	2.40
1208204	WH11000280	390871	7025837	2.4	<0.1	12.5	0.7	27.7	12.8	65.0	0.9	22.9	15.3	398.0	2.88
1208205	WH11000280	390969	7025852	1.7	<0.1	11.0	0.6	20.1	11.1	50.0	0.9	18.3	8.0	230.0	2.57
1208206	WH11000280	391070	7025858	1.1	<0.1	8.1	0.4	18.3	9.5	42.0	0.6	13.9	7.3	249.0	1.91
1208207	WH11000280	391168	7025867	3.1	<0.1	10.7	0.6	21.1	10.4	51.0	0.9	17.8	7.7	216.0	2.52
1208208	WH11000280	391269	7025876	1.6	0.1	9.7	0.6	20.2	11.1	46.0	0.8	15.9	7.2	194.0	2.39
1208209	WH11000280	391369	7025882	2.5	<0.1	10.9	0.6	25.1	10.6	50.0	0.8	18.5	8.8	251.0	2.50
1208210	WH11000280	391465	7025881	2.7	<0.1	14.7	0.6	23.9	10.1	45.0	0.8	17.7	8.8	323.0	2.76
1208211	WH11000280	391567	7025866	2.0	<0.1	8.5	0.5	21.6	10.1	45.0	0.9	16.2	7.3	245.0	2.08
1208212	WH11000280	391665	7025849	2.0	<0.1	15.2	0.8	24.4	12.0	55.0	0.9	20.3	8.3	239.0	3.04
1208213	WH11000280	391764	7025839	2.9	<0.1	5.6	0.4	16.4	8.0	40.0	0.5	13.2	5.6	221.0	1.60
1208214	WH11000280	391863	7025827	2.7	<0.1	8.2	0.6	22.2	10.2	46.0	0.7	17.5	7.1	251.0	2.06
1208215	WH11000280	391962	7025803	1.3	<0.1	6.7	0.4	17.8	9.4	40.0	0.6	14.3	5.7	152.0	1.91
1208216	WH11000280	392057	7025788	2.6	<0.1	6.5	0.5	12.5	7.4	34.0	0.7	11.8	5.9	214.0	1.71
1208217	WH11000280	392157	7025762	2.1	<0.1	10.5	0.5	13.7	9.8	46.0	0.8	14.8	6.6	218.0	2.43
1208218	WH11000280	392251	7025745	2.5	<0.1	10.7	0.8	29.5	10.9	53.0	1.1	20.4	8.4	281.0	2.72
1208219	WH11000280	392345	7025699	2.6	<0.1	7.9	0.6	21.7	9.0	45.0	0.8	15.9	6.8	203.0	2.16
1208220	WH11000280	392427	7025646	5.6	<0.1	7.2	0.5	15.4	8.8	45.0	0.7	14.4	5.7	130.0	1.96
1208221	WH11000280	392509	7025587	4.1	<0.1	7.8	0.6	17.6	8.8	46.0	0.7	15.5	6.0	170.0	2.12
1208222	WH11000280	392595	7025540	2.5	<0.1	6.1	0.4	15.0	7.8	38.0	0.6	13.2	6.0	187.0	1.82
1208223	WH11000280	387989	7025670	2.4	<0.1	7.0	0.6	17.0	8.1	44.0	0.7	15.9	7.1	208.0	2.21
1208224	WH11000280	388082	7025708	0.9	0.1	3.9	0.3	13.5	9.3	25.0	0.8	8.4	2.7	73.0	1.28
1208225	WH11000280	388173	7025746	2.0	0.4	8.3	0.6	35.0	10.3	56.0	1.1	22.7	6.4	203.0	2.16
1208226	WH11000280	388266	7025788	4.2	<0.1	6.0	0.4	15.7	6.7	47.0	0.8	14.5	5.5	179.0	1.77
1208227	WH11000280	388356	7025833	4.6	<0.1	8.6	0.5	16.7	8.3	50.0	1.0	14.4	5.7	194.0	1.93
1208228	WH11000280	388441	7025885	1.7	<0.1	7.1	0.4	21.1	9.8	48.0	1.0	13.8	5.9	181.0	1.86
1208229	WH11000280	388527	7025937	3.1	<0.1	5.7	0.4	17.9	9.2	43.0	0.8	13.0	4.8	148.0	1.66
1208230	WH11000280	388612	7025987	4.1	<0.1	5.7	0.4	19.5	10.3	45.0	0.7	13.7	5.9	263.0	1.90
1208231	WH11000280	388696	7026038	1.4	<0.1	4.2	0.4	13.6	9.3	40.0	0.7	10.1	5.5	231.0	1.62
1208232	WH11000280	388783	7026089	<0.5	<0.1	6.2	0.5	17.5	9.5	47.0	0.8	14.5	6.3	260.0	2.02
1208233	WH11000280	388873	7026138	1.4	<0.1	10.1	0.5	20.3	12.8	56.0	1.4	15.9	8.8	454.0	2.66

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
5.5	14.0	<0.1	0.2	57	0.10	0.019	14	32	0.47	199	0.063	2	1.71	0.007	0.04
4.9	13.0	<0.1	0.2	54	0.11	0.025	14	29	0.41	200	0.061	1	1.57	0.007	0.04
7.4	14.0	0.1	0.2	57	0.11	0.021	18	30	0.46	240	0.079	1	1.91	0.007	0.05
6.4	12.0	<0.1	0.2	51	0.10	0.023	16	30	0.43	197	0.059	1	1.64	0.006	0.04
6.2	14.0	<0.1	0.1	35	0.13	0.027	14	22	0.34	165	0.053	1	1.07	0.005	0.04
6.0	14.0	0.1	0.2	55	0.10	0.017	16	33	0.43	220	0.061	<1	1.75	0.007	0.04
6.1	11.0	<0.1	0.2	51	0.10	0.023	16	28	0.36	176	0.058	<1	1.44	0.006	0.03
6.7	14.0	<0.1	0.2	50	0.11	0.016	17	29	0.43	277	0.060	<1	1.54	0.006	0.03
8.1	14.0	0.2	0.1	39	0.14	0.039	20	26	0.34	205	0.077	1	1.19	0.007	0.04
7.2	12.0	<0.1	0.2	44	0.09	0.020	17	25	0.34	189	0.061	1	1.34	0.007	0.04
7.9	11.0	0.1	0.2	46	0.09	0.035	14	29	0.38	128	0.053	1	1.77	0.005	0.05
6.5	15.0	0.1	0.1	28	0.17	0.029	21	18	0.32	178	0.045	1	0.89	0.005	0.04
8.2	16.0	<0.1	0.1	40	0.17	0.025	19	25	0.37	231	0.056	<1	1.23	0.006	0.04
7.3	15.0	<0.1	0.1	40	0.16	0.028	18	24	0.37	186	0.058	1	1.27	0.007	0.03
4.9	11.0	<0.1	0.1	34	0.11	0.020	11	20	0.29	127	0.048	2	1.11	0.007	0.03
4.7	14.0	<0.1	0.2	54	0.12	0.021	13	29	0.41	198	0.055	2	1.65	0.005	0.03
7.5	15.0	<0.1	0.2	55	0.14	0.020	17	34	0.46	268	0.070	<1	1.83	0.007	0.04
4.8	18.0	<0.1	0.2	46	0.19	0.026	16	27	0.41	300	0.047	<1	1.41	0.008	0.03
4.6	15.0	<0.1	0.1	43	0.18	0.041	14	25	0.40	226	0.043	<1	1.36	0.007	0.03
3.8	17.0	<0.1	0.1	45	0.19	0.046	15	26	0.41	276	0.045	1	1.45	0.008	0.04
4.8	15.0	<0.1	0.1	38	0.17	0.034	14	23	0.37	196	0.048	1	1.25	0.007	0.03
3.0	13.0	<0.1	0.2	54	0.14	0.042	10	27	0.41	77	0.067	<1	1.25	0.006	0.04
0.2	11.0	0.2	0.2	35	0.09	0.045	8	20	0.19	74	0.021	<1	1.01	0.007	0.04
0.3	23.0	0.2	0.2	49	0.20	0.077	13	31	0.39	369	0.023	<1	1.72	0.012	0.06
0.9	14.0	0.1	0.1	41	0.16	0.038	11	23	0.42	120	0.044	1	1.10	0.007	0.05
0.7	12.0	0.1	0.2	43	0.12	0.044	9	24	0.37	126	0.032	1	1.15	0.006	0.04
0.4	13.0	0.1	0.2	44	0.13	0.056	10	28	0.37	112	0.034	1	1.30	0.006	0.04
0.6	11.0	<0.1	0.2	38	0.13	0.043	12	25	0.35	102	0.037	<1	1.12	0.006	0.04
2.8	15.0	0.2	0.1	33	0.14	0.037	29	21	0.33	277	0.046	1	1.19	0.007	0.11
2.2	9.0	<0.1	0.1	28	0.09	0.040	23	17	0.28	116	0.039	<1	1.12	0.007	0.09
5.6	15.0	<0.1	0.1	39	0.13	0.030	23	24	0.38	231	0.053	<1	1.34	0.006	0.08
3.3	15.0	0.1	0.2	49	0.12	0.060	23	29	0.37	260	0.048	1	1.71	0.007	0.09

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
0.2	0.04	3.0	<0.1	<0.05	5	0.5	<0.2
0.2	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
0.1	0.03	2.9	<0.1	<0.05	5	0.6	<0.2
0.2	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
0.1	0.05	3.5	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
0.2	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
0.2	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
0.2	0.05	5.1	<0.1	<0.05	5	<0.5	<0.2
0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
0.1	0.07	0.8	<0.1	<0.05	5	<0.5	<0.2
0.2	0.09	1.6	<0.1	0.07	5	<0.5	<0.2
0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
0.1	0.04	1.4	0.1	<0.05	4	0.6	<0.2
<0.1	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.03	2.7	0.1	<0.05	4	<0.5	<0.2
0.1	0.04	3.1	0.1	<0.05	6	<0.5	<0.2

APPENDIX IV - Soil Geochemistry - Analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208234	WH11000280	388959	7026181	2.4	<0.1	9.0	0.6	20.5	12.5	54.0	1.0	18.4	9.7	353.0	2.40
1208235	WH11000280	389047	7026226	1.7	<0.1	9.3	0.5	13.8	11.2	49.0	1.2	13.5	8.2	299.0	2.69
1208236	WH11000280	389142	7026258	2.2	<0.1	4.9	0.4	19.1	11.0	76.0	0.7	12.0	14.0	644.0	3.36
1208237	WH11000280	389241	7026288	2.0	<0.1	10.2	0.6	17.8	10.3	57.0	1.1	17.9	9.9	249.0	2.77
1208238	WH11000280	389333	7026317	0.8	<0.1	4.9	0.4	17.6	7.5	58.0	0.7	13.5	13.0	359.0	2.85
1208239	WH11000280	389432	7026335	1.4	<0.1	5.6	0.4	19.4	7.3	51.0	0.6	16.4	10.3	319.0	2.21
1208240	WH11000280	389532	7026347	2.2	<0.1	10.2	0.6	19.4	11.0	48.0	1.0	17.6	7.7	204.0	2.40
1208251	WH11000280	389821	7026145	1.8	<0.1	9.5	0.7	24.1	8.9	57.0	1.0	20.3	9.8	325.0	2.53
1208252	WH11000280	389892	7026076	2.6	<0.1	10.7	0.8	29.7	10.5	63.0	0.9	21.0	10.2	357.0	2.58
1208253	WH11000280	389971	7026013	1.6	<0.1	8.9	0.6	19.3	9.2	59.0	1.0	16.8	8.5	260.0	2.38
1208254	WH11000280	390043	7025943	4.9	<0.1	9.5	0.6	28.5	7.7	60.0	1.1	19.9	11.1	344.0	2.64
1208255	WH11000280	390120	7025886	2.1	<0.1	6.1	0.5	87.6	6.1	74.0	0.7	15.2	35.6	669.0	4.91
1208256	WH11000280	390202	7025823	1.3	<0.1	5.6	0.4	39.5	5.2	70.0	0.6	13.0	21.1	532.0	3.78
1208257	WH11000280	390283	7025765	0.9	<0.1	1.7	0.2	45.8	6.2	81.0	0.3	5.6	24.0	675.0	5.06
1208258	WH11000280	390361	7025702	2.7	<0.1	3.1	0.2	9.4	21.4	128.0	0.5	9.6	15.9	1006.0	5.07
1208259	WH11000280	390443	7025646	5.6	<0.1	7.4	0.6	18.4	14.1	60.0	0.7	17.8	8.3	411.0	2.53
1208260	WH11000280	390526	7025584	3.1	<0.1	5.2	0.4	45.9	12.1	66.0	0.8	14.7	14.5	634.0	4.43
1208261	WH11000280	390607	7025532	3.1	<0.1	5.9	0.3	31.7	8.5	84.0	0.6	113.1	29.0	728.0	5.37
1208262	WH11000280	390694	7025483	5.1	<0.1	9.2	0.6	35.3	10.5	76.0	0.8	22.1	14.7	505.0	3.82
1208263	WH11000280	390782	7025433	5.2	<0.1	10.4	0.8	45.8	8.5	72.0	1.1	23.9	15.4	447.0	3.44
1208264	WH11000280	390869	7025385	4.2	<0.1	8.7	0.7	38.8	7.2	56.0	0.8	28.9	18.2	334.0	2.94
1208265	WH11000280	390954	7025336	4.0	<0.1	10.4	0.8	48.4	9.0	65.0	1.0	27.7	17.6	360.0	3.13
1208266	WH11000280	391040	7025284	4.9	<0.1	9.0	0.7	54.9	7.7	70.0	0.8	23.9	21.6	564.0	4.06
1208267	WH11000280	391123	7025228	2.0	<0.1	11.0	0.6	29.6	8.5	54.0	0.9	22.5	12.7	292.0	3.23
1208268	WH11000280	391202	7025170	5.0	<0.1	8.6	0.7	49.3	8.3	59.0	0.9	26.7	20.1	353.0	3.03
1208269	WH11000280	391276	7025092	5.1	<0.1	11.0	0.7	30.2	9.5	59.0	1.0	27.4	12.3	290.0	3.08
1208270	WH11000280	387372	7024893	3.8	<0.1	11.4	0.6	11.7	14.2	51.0	1.3	13.6	7.3	341.0	2.84
1208271	WH11000280	387343	7024987	3.8	<0.1	9.5	0.5	8.4	16.3	40.0	1.5	7.8	4.0	234.0	2.29
1208272	WH11000280	387318	7025086	3.4	0.2	14.1	0.8	31.4	18.7	89.0	1.6	27.0	9.7	419.0	3.58
1208273	WH11000280	387289	7025182	5.2	<0.1	9.6	0.6	15.8	10.8	55.0	1.0	15.0	5.9	207.0	2.34
1208274	WH11000280	387259	7025279	4.6	<0.1	8.7	0.6	20.4	10.2	71.0	0.9	21.3	9.3	275.0	2.38
1208275	WH11000280	387225	7025366	3.2	<0.1	7.7	0.5	16.4	11.6	63.0	0.8	16.0	6.8	313.0	2.38

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
7.0	12.0	0.2	0.2	42	0.11	0.036	21	25	0.42	178	0.056	1	1.56	0.007	0.10
4.2	13.0	<0.1	0.2	63	0.13	0.048	13	27	0.43	175	0.083	1	1.50	0.007	0.07
8.2	18.0	0.1	<0.1	63	0.24	0.031	15	16	0.80	144	0.197	<1	2.01	0.011	0.37
5.6	10.0	<0.1	0.2	66	0.09	0.024	11	29	0.47	159	0.085	1	1.89	0.007	0.06
4.1	14.0	0.1	<0.1	56	0.21	0.037	10	20	0.67	154	0.148	<1	1.74	0.010	0.17
3.8	17.0	0.1	<0.1	52	0.20	0.032	11	23	0.60	162	0.079	<1	1.40	0.009	0.04
4.3	12.0	<0.1	0.2	53	0.11	0.038	12	28	0.45	156	0.058	<1	1.71	0.008	0.04
4.4	17.0	<0.1	0.2	51	0.17	0.041	15	29	0.51	257	0.051	<1	1.57	0.007	0.04
4.6	24.0	<0.1	0.2	53	0.25	0.051	17	31	0.54	349	0.049	1	1.61	0.010	0.05
4.9	14.0	<0.1	0.2	52	0.15	0.037	14	28	0.47	192	0.059	<1	1.60	0.007	0.04
4.8	20.0	<0.1	0.1	63	0.31	0.044	15	26	0.54	265	0.077	<1	1.61	0.010	0.05
3.9	53.0	<0.1	<0.1	229	0.54	0.025	9	22	0.99	329	0.136	<1	2.27	0.016	0.13
4.3	36.0	<0.1	0.1	103	0.49	0.058	10	17	0.88	335	0.121	<1	2.23	0.014	0.09
7.6	59.0	<0.1	<0.1	156	0.76	0.103	11	6	1.05	207	0.218	<1	2.88	0.020	0.26
27.9	26.0	<0.1	<0.1	69	0.35	0.066	85	21	1.13	428	0.211	1	2.96	0.012	1.15
15.0	17.0	0.1	<0.1	37	0.17	0.030	29	20	0.43	266	0.086	<1	1.57	0.008	0.27
17.4	14.0	0.1	<0.1	49	0.19	0.045	28	24	0.69	244	0.177	1	2.59	0.011	0.60
4.5	160.0	<0.1	<0.1	102	1.14	0.278	24	114	3.08	364	0.214	<1	3.13	0.014	0.70
12.0	26.0	<0.1	0.1	75	0.22	0.025	31	33	0.80	417	0.139	<1	2.43	0.011	0.32
4.8	26.0	0.1	0.1	108	0.28	0.030	13	29	0.71	417	0.092	1	1.89	0.012	0.05
4.0	41.0	<0.1	<0.1	57	0.29	0.018	12	40	0.82	397	0.058	<1	2.70	0.015	0.04
4.7	51.0	0.1	0.1	74	0.29	0.021	14	34	0.74	419	0.067	<1	2.67	0.013	0.04
5.2	45.0	0.1	0.1	158	0.38	0.019	12	34	0.94	451	0.144	<1	2.26	0.016	0.11
5.0	13.0	0.1	<0.1	69	0.13	0.039	8	37	0.89	163	0.061	<1	2.13	0.007	0.04
5.6	22.0	<0.1	0.1	70	0.22	0.016	18	38	0.83	324	0.087	1	2.26	0.012	0.05
6.2	22.0	<0.1	0.1	58	0.20	0.019	17	40	0.77	298	0.068	<1	2.18	0.010	0.05
4.7	10.0	0.1	0.2	55	0.10	0.044	21	27	0.35	105	0.062	2	1.58	0.009	0.07
3.7	8.0	0.1	0.3	87	0.10	0.031	17	24	0.25	64	0.149	<1	1.03	0.006	0.06
3.9	17.0	0.2	0.5	72	0.14	0.070	78	42	0.59	324	0.048	1	2.63	0.011	0.12
1.9	12.0	0.1	0.2	46	0.14	0.059	22	26	0.39	130	0.034	<1	1.37	0.008	0.07
9.1	17.0	0.2	0.2	44	0.22	0.070	27	24	0.46	145	0.063	2	1.43	0.008	0.09
9.6	15.0	0.1	0.2	44	0.17	0.052	34	25	0.40	174	0.056	1	1.46	0.009	0.07

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
0.2	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
<0.1	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
0.2	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
0.2	0.06	4.1	0.1	<0.05	4	<0.5	<0.2
0.1	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
<0.1	0.02	6.7	0.1	<0.05	7	0.5	<0.2
<0.1	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
<0.1	<0.01	3.9	<0.1	<0.05	9	<0.5	<0.2
<0.1	0.02	4.3	0.6	<0.05	9	<0.5	<0.2
<0.1	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
<0.1	<0.01	2.7	0.2	<0.05	9	<0.5	<0.2
0.1	0.03	3.8	0.2	<0.05	12	<0.5	<0.2
<0.1	0.04	7.2	0.1	<0.05	7	<0.5	<0.2
<0.1	0.05	5.1	<0.1	<0.05	6	<0.5	<0.2
<0.1	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
0.1	0.06	4.6	<0.1	<0.05	6	<0.5	<0.2
0.1	0.05	5.5	<0.1	<0.05	6	0.5	<0.2
0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
<0.1	0.06	5.1	<0.1	<0.05	5	0.6	<0.2
<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
0.2	0.04	2.0	<0.1	<0.05	6	<0.5	<0.2
0.2	0.03	1.3	0.1	<0.05	9	<0.5	<0.2
0.2	0.06	4.2	0.2	<0.05	9	0.6	<0.2
0.1	0.05	1.8	<0.1	<0.05	5	<0.5	<0.2
0.2	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
0.2	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2

APPENDIX IV - Soil Geochemistry - Analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208276	WH11000280	387155	7025439	3.4	<0.1	9.0	0.7	19.7	10.8	61.0	0.9	16.7	8.2	349.0	2.28
1208277	WH11000280	387086	7025515	3.9	<0.1	9.3	0.5	13.1	10.8	61.0	1.0	15.1	6.2	280.0	2.40
1208278	WH11000280	387020	7025584	2.8	<0.1	6.6	0.4	16.9	15.7	54.0	1.0	11.4	6.0	314.0	2.08
1208279	WH11000280	386940	7025650	3.2	<0.1	9.1	0.5	16.6	13.9	67.0	1.1	15.7	8.7	508.0	2.45
1208280	WH11000280	386867	7025715	4.3	<0.1	10.8	0.6	18.4	12.8	64.0	1.0	18.8	9.2	450.0	2.63
1208281	WH11000280	386782	7025773	3.3	<0.1	4.7	0.4	11.3	9.1	58.0	0.6	13.7	8.6	622.0	2.09
1208282	WH11000280	386694	7025810	2.7	<0.1	3.3	0.2	7.3	12.5	59.0	0.7	10.4	7.9	462.0	2.59
1208283	WH11000280	386606	7025858	3.5	<0.1	9.9	0.6	24.9	10.4	58.0	0.7	19.7	7.9	376.0	2.41
1208284	WH11000280	386509	7025904	3.5	<0.1	7.0	0.5	17.8	15.6	74.0	0.8	15.4	8.3	543.0	3.23
1208285	WH11000280	386421	7025934	3.7	<0.1	11.4	0.8	14.2	13.6	75.0	1.4	20.1	8.8	308.0	3.30
1208286	WH11000280	386326	7025970	3.8	<0.1	10.4	0.7	20.7	10.2	66.0	1.0	20.1	8.3	344.0	2.67
1208601	WH11000280	389274	7028396	4.6	<0.1	7.4	0.5	16.7	11.4	78.0	1.0	14.0	9.4	545.0	3.02
Lab Pulp Duplicates:															
1208261	WH11000280			3.1	<0.1	5.9	0.3	31.7	8.5	84.0	0.6	113.1	29.0	728.0	5.37
1208261	WH11000280			2.6	<0.1	6.1	0.3	31.6	8.3	83.0	0.7	114.8	28.5	710.0	5.28
1208151	WH11000280			3.8	<0.1	9.6	0.6	16.6	14.2	60.0	0.9	17.2	8.7	332.0	2.43
1208151	WH11000280			3.5	<0.1	9.7	0.6	16.9	14.3	63.0	1.0	18.9	9.4	337.0	2.48
1208134	WH11000280			2.6	<0.1	11.3	0.6	20.3	12.8	62.0	1.1	18.4	9.3	429.0	2.88
1208134	WH11000280			4.3	<0.1	11.6	0.7	20.3	12.8	64.0	1.2	18.4	9.7	433.0	2.95
1208238	WH11000280			0.8	<0.1	4.9	0.4	17.6	7.5	58.0	0.7	13.5	13.0	359.0	2.85
1208238	WH11000280			1.6	<0.1	4.8	0.4	17.3	7.5	56.0	0.7	12.2	12.5	359.0	2.74
1208111	WH11000280			5.4	<0.1	6.9	0.6	20.4	8.7	46.0	0.8	17.7	6.2	193.0	1.90
1208111	WH11000280			4.4	<0.1	7.4	0.6	21.7	8.7	50.0	0.8	19.3	6.5	211.0	2.03
1208251	WH11000280			1.8	<0.1	9.5	0.7	24.1	8.9	57.0	1.0	20.3	9.8	325.0	2.53
1208251	WH11000280			2.4	<0.1	9.2	0.6	24.8	9.5	56.0	0.9	20.2	9.9	328.0	2.51
1208168	WH11000280			2.0	<0.1	7.1	0.4	18.9	7.4	45.0	0.7	17.3	8.0	233.0	2.16
1208168	WH11000280			1.4	<0.1	7.3	0.5	19.0	7.3	46.0	0.7	17.6	7.9	237.0	2.15
1208185	WH11000280			2.5	<0.1	9.8	0.7	26.8	9.6	65.0	1.0	22.0	10.8	367.0	2.65
1208185	WH11000280			1.3	<0.1	10.0	0.7	25.9	9.0	64.0	1.0	21.5	10.7	363.0	2.68
1208203	WH11000280			1.9	<0.1	11.1	0.5	16.2	11.1	48.0	1.0	14.7	6.8	194.0	2.40

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
5.8	14.0	0.1	0.1	46	0.16	0.059	20	25	0.42	164	0.044	<1	1.42	0.008	0.06
3.4	13.0	0.1	0.2	48	0.13	0.049	25	25	0.36	163	0.043	<1	1.35	0.008	0.06
2.3	14.0	0.2	0.3	40	0.14	0.044	35	21	0.29	159	0.041	<1	1.19	0.009	0.13
7.5	14.0	0.2	0.3	42	0.18	0.063	42	24	0.39	119	0.050	<1	1.30	0.009	0.09
14.3	12.0	0.1	0.2	43	0.13	0.045	38	27	0.43	189	0.045	1	1.70	0.008	0.09
12.5	12.0	0.1	0.1	32	0.14	0.035	42	19	0.52	178	0.045	<1	1.18	0.007	0.10
17.0	15.0	0.3	<0.1	29	0.20	0.048	82	17	0.42	130	0.088	<1	1.65	0.009	0.45
8.8	23.0	0.1	0.1	44	0.24	0.065	26	24	0.43	265	0.058	<1	1.22	0.010	0.09
21.6	15.0	<0.1	<0.1	39	0.16	0.049	78	21	0.53	229	0.064	<1	1.47	0.010	0.24
15.7	10.0	0.1	0.2	62	0.10	0.035	35	32	0.48	171	0.078	1	2.24	0.010	0.15
11.5	13.0	0.1	0.1	45	0.11	0.029	33	28	0.54	188	0.080	<1	1.62	0.009	0.15
8.9	22.0	0.1	0.2	43	0.26	0.065	27	24	0.44	233	0.074	<1	1.71	0.009	0.10
4.5	160.0	<0.1	<0.1	102	1.14	0.278	24	114	3.08	364	0.214	<1	3.13	0.014	0.70
4.6	162.0	<0.1	<0.1	104	1.16	0.269	25	111	3.17	377	0.215	<1	3.22	0.012	0.72
9.4	17.0	0.1	0.2	43	0.18	0.058	26	26	0.44	249	0.052	<1	1.50	0.011	0.09
9.2	17.0	0.2	0.1	44	0.19	0.059	27	27	0.46	250	0.052	1	1.51	0.011	0.09
7.3	13.0	<0.1	0.2	48	0.13	0.039	29	27	0.45	270	0.071	<1	1.72	0.007	0.11
7.6	13.0	0.1	0.2	51	0.12	0.037	29	28	0.46	274	0.074	<1	1.76	0.007	0.11
4.1	14.0	0.1	<0.1	56	0.21	0.037	10	20	0.67	154	0.148	<1	1.74	0.010	0.17
4.2	14.0	0.1	<0.1	57	0.21	0.035	10	19	0.65	145	0.153	<1	1.70	0.010	0.16
4.7	11.0	<0.1	0.1	31	0.11	0.040	16	22	0.36	180	0.035	<1	1.08	0.006	0.04
4.9	12.0	0.1	0.1	34	0.12	0.039	16	24	0.38	181	0.037	<1	1.12	0.006	0.04
4.4	17.0	<0.1	0.2	51	0.17	0.041	15	29	0.51	257	0.051	<1	1.57	0.007	0.04
4.6	17.0	<0.1	0.2	51	0.17	0.039	16	30	0.51	267	0.052	<1	1.59	0.008	0.04
2.7	15.0	0.1	0.1	43	0.16	0.035	13	24	0.50	148	0.072	<1	1.33	0.008	0.06
2.7	15.0	<0.1	0.1	44	0.17	0.037	14	25	0.53	148	0.074	<1	1.36	0.008	0.06
3.8	26.0	0.1	0.1	60	0.25	0.042	16	29	0.60	333	0.071	<1	1.76	0.014	0.05
3.9	27.0	<0.1	0.2	60	0.27	0.042	17	29	0.59	329	0.071	<1	1.78	0.014	0.05
4.9	13.0	<0.1	0.2	54	0.11	0.025	14	29	0.41	200	0.061	1	1.57	0.007	0.04

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.2	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
0.2	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
0.1	0.03	1.6	0.2	<0.05	5	<0.5	<0.2
0.3	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
0.2	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.01	2.0	0.3	<0.05	6	<0.5	<0.2
0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
0.1	0.01	4.9	0.1	<0.05	6	<0.5	<0.2
0.2	0.03	2.7	0.1	<0.05	7	<0.5	<0.2
0.1	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
0.1	0.03	3.8	0.2	<0.05	12	<0.5	<0.2
0.1	0.02	4.0	0.3	<0.05	12	<0.5	<0.2
0.2	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
0.1	0.05	4.1	0.1	<0.05	5	0.5	<0.2
0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
0.2	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
0.2	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
0.2	0.04	3.0	<0.1	<0.05	5	0.5	<0.2

APPENDIX IV - Soil Geochemistry - Analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208203	WH11000280			3.5	<0.1	10.4	0.5	16.1	11.0	48.0	0.9	15.2	6.4	193.0	2.39
1208220	WH11000280			5.6	<0.1	7.2	0.5	15.4	8.8	45.0	0.7	14.4	5.7	130.0	1.96
1208220	WH11000280			2.0	<0.1	7.4	0.6	15.8	9.1	46.0	0.7	15.2	5.9	129.0	2.04
Lab Standards:															
STD DS8	WH11000280			148.7	1.9	29.5	6.0	115.6	133.0	334.0	13.3	39.8	8.2	652.0	2.65
STD DS8	WH11000280			117.3	1.8	28.0	6.0	108.4	125.1	321.0	13.5	34.9	7.1	622.0	2.44
STD DS8	WH11000280			109.1	1.8	28.7	6.0	117.1	127.4	336.0	14.2	40.6	7.9	649.0	2.60
STD DS8	WH11000280			119.2	1.9	28.9	6.0	115.4	128.0	340.0	14.2	39.6	7.9	646.0	2.58
STD DS8	WH11000280			104.3	1.6	26.3	5.5	113.3	123.4	312.0	12.3	39.2	7.6	582.0	2.33
STD DS8	WH11000280			107.8	1.7	25.3	5.7	106.8	124.2	302.0	13.8	36.7	7.6	597.0	2.32
STD DS8	WH11000280			172.1	1.9	27.9	5.9	112.5	122.7	321.0	13.5	37.9	7.7	639.0	2.56
STD DS8	WH11000280			108.8	1.8	28.1	6.0	112.8	125.0	334.0	13.3	38.6	7.8	655.0	2.54
STD DS8	WH11000280			111.1	1.8	29.0	6.1	113.9	130.0	328.0	13.2	38.6	7.7	627.0	2.51
STD DS8	WH11000280			127.1	1.9	29.8	5.9	113.3	126.5	329.0	14.1	38.2	7.7	619.0	2.53
STD DS8	WH11000280			103.7	1.8	27.0	5.6	113.9	126.5	320.0	12.7	37.6	7.9	611.0	2.44
STD DS8	WH11000280			108.6	1.7	25.9	5.7	109.6	119.7	309.0	13.4	36.7	7.3	621.0	2.44
Lab Analytical Blanks:															
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
4.9	14.0	<0.1	0.2	55	0.11	0.026	14	29	0.42	198	0.063	1	1.62	0.007	0.04
4.6	15.0	<0.1	0.1	43	0.18	0.041	14	25	0.40	226	0.043	<1	1.36	0.007	0.03
4.8	16.0	<0.1	0.1	43	0.17	0.045	14	26	0.43	228	0.042	<1	1.44	0.007	0.04
7.2	65.0	2.6	7.1	47	0.72	0.089	14	125	0.65	284	0.117	3	0.94	0.089	0.46
6.7	65.0	2.4	6.6	43	0.69	0.083	15	117	0.61	293	0.114	2	0.87	0.090	0.42
7.0	65.0	2.5	6.8	44	0.69	0.083	15	117	0.64	296	0.116	2	0.91	0.091	0.43
7.2	67.0	2.5	6.9	44	0.69	0.083	15	115	0.64	295	0.117	2	0.93	0.092	0.45
6.9	64.0	2.2	6.8	41	0.64	0.074	12	115	0.56	254	0.116	3	0.83	0.078	0.40
7.0	66.0	2.2	6.9	42	0.65	0.083	14	114	0.59	273	0.120	3	0.89	0.086	0.39
6.8	66.0	2.3	6.8	43	0.71	0.084	14	117	0.63	292	0.115	4	0.91	0.091	0.43
6.7	67.0	2.2	6.8	43	0.69	0.084	15	119	0.61	291	0.113	2	0.90	0.085	0.42
7.3	72.0	2.5	7.1	43	0.69	0.083	15	119	0.63	288	0.124	1	0.90	0.087	0.43
6.9	69.0	2.1	7.0	43	0.69	0.080	15	119	0.61	275	0.124	2	0.88	0.084	0.43
6.8	66.0	2.4	6.4	44	0.66	0.077	14	121	0.62	270	0.122	3	0.86	0.075	0.38
7.1	69.0	2.0	6.4	44	0.67	0.076	15	120	0.64	274	0.129	2	0.91	0.077	0.39
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01

APPENDIX IV - Soil Geochemistry - Analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
3.3	0.21	2.1	5.6	0.17	5	5.0	5.8
3.1	0.20	2.1	5.4	0.14	5	5.1	5.5
3.0	0.21	2.2	5.5	0.14	5	5.4	5.0
3.0	0.20	2.3	5.6	0.14	5	5.6	5.1
2.8	0.19	2.1	5.1	0.18	4	4.8	4.9
2.8	0.20	2.4	5.2	0.19	4	4.4	4.9
3.1	0.20	2.1	5.3	0.19	5	5.7	5.3
3.0	0.18	2.0	5.5	0.15	5	5.3	5.0
3.2	0.20	2.1	5.6	0.14	5	4.8	4.7
3.1	0.19	2.2	5.4	0.16	5	4.6	5.2
3.0	0.20	1.8	5.2	0.22	5	5.6	5.0
2.8	0.21	2.1	5.2	0.16	5	5.0	5.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

APPENDIX V - Silt Geochemistry - analytical Results

Goldspike Exploration Inc.

Pirate Mountain

Silt Results (2011)

Sample ID	Acme Labs Report #	UTM East	UTM North	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01
1208351	WH11000280	392588	7023790	2.7	<0.1	4.4	0.2	8.7	4.7	62.0	0.8	12.3	9.2	547.0	1.57
Lab Standards:															
STD DS8	WH11000280			148.7	1.9	29.5	6.0	115.6	133.0	334.0	13.3	39.8	8.2	652.0	2.65
STD DS8	WH11000280			117.3	1.8	28.0	6.0	108.4	125.1	321.0	13.5	34.9	7.1	622.0	2.44
STD DS8	WH11000280			109.1	1.8	28.7	6.0	117.1	127.4	336.0	14.2	40.6	7.9	649.0	2.60
STD DS8	WH11000280			119.2	1.9	28.9	6.0	115.4	128.0	340.0	14.2	39.6	7.9	646.0	2.58
STD DS8	WH11000280			104.3	1.6	26.3	5.5	113.3	123.4	312.0	12.3	39.2	7.6	582.0	2.33
STD DS8	WH11000280			107.8	1.7	25.3	5.7	106.8	124.2	302.0	13.8	36.7	7.6	597.0	2.32
STD DS8	WH11000280			172.1	1.9	27.9	5.9	112.5	122.7	321.0	13.5	37.9	7.7	639.0	2.56
STD DS8	WH11000280			108.8	1.8	28.1	6.0	112.8	125.0	334.0	13.3	38.6	7.8	655.0	2.54
STD DS8	WH11000280			111.1	1.8	29.0	6.1	113.9	130.0	328.0	13.2	38.6	7.7	627.0	2.51
STD DS8	WH11000280			127.1	1.9	29.8	5.9	113.3	126.5	329.0	14.1	38.2	7.7	619.0	2.53
STD DS8	WH11000280			103.7	1.8	27.0	5.6	113.9	126.5	320.0	12.7	37.6	7.9	611.0	2.44
STD DS8	WH11000280			108.6	1.7	25.9	5.7	109.6	119.7	309.0	13.4	36.7	7.3	621.0	2.44
Lab Analytical Blanks:															
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	WH11000280			<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01

APPENDIX V - Silt Geochemistry - analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Th	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
3.5	19.0	0.3	<0.1	26	0.35	0.067	16	15	0.29	156	0.034	<1	0.80	0.006	0.03
7.2	65.0	2.6	7.1	47	0.72	0.089	14	125	0.65	284	0.117	3	0.94	0.089	0.46
6.7	65.0	2.4	6.6	43	0.69	0.083	15	117	0.61	293	0.114	2	0.87	0.090	0.42
7.0	65.0	2.5	6.8	44	0.69	0.083	15	117	0.64	296	0.116	2	0.91	0.091	0.43
7.2	67.0	2.5	6.9	44	0.69	0.083	15	115	0.64	295	0.117	2	0.93	0.092	0.45
6.9	64.0	2.2	6.8	41	0.64	0.074	12	115	0.56	254	0.116	3	0.83	0.078	0.40
7.0	66.0	2.2	6.9	42	0.65	0.083	14	114	0.59	273	0.120	3	0.89	0.086	0.39
6.8	66.0	2.3	6.8	43	0.71	0.084	14	117	0.63	292	0.115	4	0.91	0.091	0.43
6.7	67.0	2.2	6.8	43	0.69	0.084	15	119	0.61	291	0.113	2	0.90	0.085	0.42
7.3	72.0	2.5	7.1	43	0.69	0.083	15	119	0.63	288	0.124	1	0.90	0.087	0.43
6.9	69.0	2.1	7.0	43	0.69	0.080	15	119	0.61	275	0.124	2	0.88	0.084	0.43
6.8	66.0	2.4	6.4	44	0.66	0.077	14	121	0.62	270	0.122	3	0.86	0.075	0.38
7.1	69.0	2.0	6.4	44	0.67	0.076	15	120	0.64	274	0.129	2	0.91	0.077	0.39
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01

APPENDIX V - Silt Geochemistry - analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
0.2	0.03	1.6	<0.1	<0.05	2	<0.5	<0.2
3.3	0.21	2.1	5.6	0.17	5	5.0	5.8
3.1	0.20	2.1	5.4	0.14	5	5.1	5.5
3.0	0.21	2.2	5.5	0.14	5	5.4	5.0
3.0	0.20	2.3	5.6	0.14	5	5.6	5.1
2.8	0.19	2.1	5.1	0.18	4	4.8	4.9
2.8	0.20	2.4	5.2	0.19	4	4.4	4.9
3.1	0.20	2.1	5.3	0.19	5	5.7	5.3
3.0	0.18	2.0	5.5	0.15	5	5.3	5.0
3.2	0.20	2.1	5.6	0.14	5	4.8	4.7
3.1	0.19	2.2	5.4	0.16	5	4.6	5.2
3.0	0.20	1.8	5.2	0.22	5	5.6	5.0
2.8	0.21	2.1	5.2	0.16	5	5.0	5.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

APPENDIX VI - Rock Geochemistry - analytical Results

Goldspike Exploration Inc.

Pirate Mountain

Rock Results (2011)

Sample ID	Acme Labs Report #	UTM East	UTM North	Sample Weight kg	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1
1208301	WH11000281	389681	7026308	1.38	3.2	<0.1	2.4	<0.1	23.0	3.1	51	0.3	14.5	18.4	423
1208302	WH11000281	389669	7026288	1.21	1.3	<0.1	2.7	<0.1	41.1	2.3	45	0.2	10.3	15.6	406
1208303	WH11000281	389731	7026305	0.80	0.9	<0.1	2.6	<0.1	23.6	9.4	31	<0.1	2.6	5.9	190
1208304	WH11000281	390264	7026287	0.53	1.0	<0.1	3.0	<0.1	28.6	4.7	22	<0.1	9.9	12.6	198
1208305	WH11000281	390475	7026177	1.27	0.5	<0.1	2.9	<0.1	45.2	1.3	29	0.1	32.0	19.4	307
1208306	WH11000281	387499	7025068	1.11	<0.5	<0.1	2.0	<0.1	1.7	8.5	12	<0.1	1.0	1.0	91
1208307	WH11000281	387925	7025467	1.60	<0.5	<0.1	4.6	<0.1	8.7	0.9	11	<0.1	4.2	3.9	110
1208308	WH11000281	388105	7025533	1.34	<0.5	<0.1	2.7	<0.1	22.6	1.1	24	1.3	25.8	12.3	235
1208309	WH11000281	388806	7026253	0.80	<0.5	<0.1	2.1	<0.1	1.4	5.9	24	0.2	1.3	1.6	175
1208310	WH11000281	389664	7026349	2.35	<0.5	<0.1	2.8	<0.1	46.3	1.6	44	0.2	9.2	17.8	322
1208311	WH11000281	389674	7026357	1.53	<0.5	<0.1	3.8	<0.1	41.4	2.7	31	0.1	8.5	18.7	282
1208312	WH11000281	389720	7026306	0.86	4.9	<0.1	2.5	<0.1	115.2	2.6	41	0.3	4.6	20.3	422
Pulp Duplicates:															
G1	WH11000281				2.9	<0.1	1.4	<0.1	1.6	3.1	47	<0.1	3.4	4.3	558
G1	WH11000281				0.7	<0.1	1.2	<0.1	1.5	3.0	48	<0.1	3.2	4.2	542
Lab Standard:															
STD DS8	STD				123.0	1.8	26.6	6.3	120.5	129.3	331	13.9	39.6	7.7	620
STD DS8	STD				107.3	1.7	27.1	5.9	119.4	123.8	323	13.9	39.5	7.7	622

APPENDIX VI - Rock Geochemistry - analytical Results

1DX15 Fe % 0.01	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 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
3.19	2.2	79	<0.1	<0.1	98	1.70	0.064	5	43	1.49	174	0.219	<1	3.73	0.308	0.35
2.63	2.1	44	<0.1	<0.1	74	1.06	0.054	4	20	1.11	80	0.131	1	2.37	0.173	0.1
1.51	11.3	25	0.1	<0.1	17	0.45	0.037	33	3	0.39	122	0.162	<1	0.96	0.051	0.22
1.17	<0.1	41	0.1	<0.1	22	1.20	0.011	<1	53	1.06	124	0.064	2	1.98	0.08	0.03
2.36	0.7	55	<0.1	<0.1	58	1.27	0.021	2	76	1.64	301	0.077	<1	3.1	0.161	0.04
0.61	16.5	3	<0.1	0.1	<2	0.11	0.008	25	1	0.06	56	0.036	<1	0.33	0.039	0.29
0.72	<0.1	4	<0.1	<0.1	7	0.11	0.005	<1	19	0.35	7	0.029	<1	0.39	0.013	<0.01
1.70	0.8	24	<0.1	<0.1	34	0.78	0.046	2	107	1.13	43	0.145	<1	1.58	0.045	0.04
1.06	12.3	4	<0.1	<0.1	3	0.05	0.014	37	<1	0.12	149	0.036	<1	0.44	0.053	0.3
3.33	0.9	60	<0.1	<0.1	137	1.26	0.023	3	23	1.03	97	0.107	<1	2.68	0.232	0.06
2.68	0.7	109	<0.1	<0.1	111	2.27	0.028	3	34	0.92	96	0.086	<1	4.28	0.414	0.05
3.83	3.7	36	0.1	0.6	239	0.96	0.016	4	1	1.15	88	0.258	1	1.99	0.044	0.11
1.85	5.6	60	<0.1	<0.1	36	0.49	0.076	9	7	0.58	219	0.14	<1	0.98	0.091	0.46
1.87	5.5	58	<0.1	<0.1	36	0.52	0.079	9	5	0.58	218	0.14	<1	0.96	0.079	0.47
2.54	7.5	67	2.5	7.2	43	0.72	0.077	15	120	0.62	289	0.129	3	0.92	0.087	0.41
2.50	7.2	66	2.4	6.9	42	0.73	0.078	15	120	0.61	279	0.131	2	0.94	0.089	0.41

APPENDIX VI - Rock Geochemistry - analytical Results

							Te
							PPM
							0.2
1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
<0.1	<0.01	2.2	0.1	<0.05	7	<0.5	<0.2
<0.1	<0.01	3	<0.1	<0.05	5	<0.5	<0.2
0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
<0.1	<0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
<0.1	<0.01	0.4	0.2	<0.05	1	<0.5	<0.2
<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
0.1	<0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
<0.1	<0.01	2.6	<0.1	0.08	6	<0.5	<0.2
<0.1	<0.01	2.2	<0.1	0.08	8	<0.5	<0.2
0.3	<0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
<0.1	<0.01	2	0.4	<0.05	5	<0.5	<0.2
2.9	0.23	2	5.2	0.17	5	5.3	5
2.9	0.2	2.2	5.1	0.17	5	4.9	4.7

APPENDIX VI - Rock Geochemistry - analytical Results

Sample ID	Acme Labs Report #	UTM East	UTM North	Sample Weight kg	1DX15 Au ppb 0.5	1DX15 Ag ppm 0.1	1DX15 As ppm 0.5	1DX15 Sb ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Mo ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1
Lab Blank:															
BLK	BLK				<0.5	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
Analytical Blank:															
G1	WH11000281				<0.5	<0.1	1.2	<0.1	1.9	3.9	50	<0.1	3.6	4.4	576
G1	WH11000281				2.9	<0.1	1.4	<0.1	1.6	3.1	47	<0.1	3.4	4.3	558

APPENDIX VI - Rock Geochemistry - analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Fe	**Th**	**Sr**	**Cd**	**Bi**	**V**	**Ca**	**P**	**La**	**Cr**	**Mg**	**Ba**	**Ti**	**B**	**Al**	**Na**	**K**
%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%
0.01	0.1	1	0.1	0.1	2	0.01	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01
<0.01	<0.1	<1	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01
1.99	5.8	70	<0.1	<0.1	38	0.54	0.079	11	7	0.58	230	0.149	<1	1.06	0.103	0.49
1.85	5.6	60	<0.1	<0.1	36	0.49	0.076	9	7	0.58	219	0.140	<1	0.98	0.091	0.46

APPENDIX VI - Rock Geochemistry - analytical Results

1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
W	**Hg**	**Sc**	**Tl**	**S**	**Ga**	**Se**	**Te**
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2