

2010 Geochemical Exploration on the

POKER 1 - 16 (YD19001-19016)

POKER 21 - 40 (YD19021-19040)

POKER 41 - 56 (YD18941-18956)

POKER 65 - 68 (YD18965-18968)

POKER 70 - 77 (YD18970-18977)

POKER 79 - 89 (YD18979-18989)

Registered to SILVER QUEST RESOURCES LTD.

1410-650 West Georgia Street

Vancouver, BC

NTS 115J/10

Latitude 62° 40' N

Longitude 138° 37' W

Whitehorse Mining District

Yukon Territory

Work Performed August 25 – September 1, 2010

Prepared for Silver Quest Resources Ltd.

by Boomerang Exploration Ltd.

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Summary

The POKER claims cover the Rude Creek Minfile occurrence and are located in the mineral-rich Dawson Range of west central Yukon. While there is no current or historic resource for the POKER property, the gigantic Casino porphyry deposit owned by Western Copper Corporation (43-101 compliant measured and indicated resource of 1.06 Billion tonnes at 0.25% Cu-equivalent) is only 12 kilometres to the west. Another porphyry occurrence in the immediate region is on the north flank of Mt. Cockfield, 2.5 kilometres to the east. The POKER property is also equidistant from the advanced exploration programs ongoing at the COFFEE occurrence to the northwest and the SONORA GULCH occurrence to the east. It is notable that Rude Creek is the only creek on map sheet 115J/10 with recorded placer gold production, yet there is no known lode gold occurrence.

Seven days were spent in a fly-camp on the property in 2010. Daily traverses resulted in the collection of 224 soil samples, 13 rock samples and 2 bulk stream samples. Geology is differing phases of the Middle to Late Cretaceous Dawson Range batholith and dykes of the Late Cretaceous to Eocene Nansen/Carmacks volcanic suite. Porphyry-style mineralisation on the property consists of pyritic intrusive, magnetite-veined float and tourmaline cemented breccia float. Base-metal fault controlled veining on the property carries ore-grade values of silver and lead. The veining may be connected to the southeast trending shear zone seen in Rude Creek.

The adit and vein reported in the Rude Creek Minfile was not seen, however the ore-grade silver and lead values obtained from outcrop may be proximal to the occurrence.

A value of 3.16 grams gold was returned from a bulk stream sample of coarse material collected on Trombley Creek near the confluence with Rude Creek. A bulk stream sample from Rude Creek upstream of Trombley Creek returned a gold value of 0.08ppm.

Soil sampling shows linear trends up to 1300 metres in length that are anomalous in the following one or more elements: antimony, arsenic, bismuth, copper, gold, lead, molybdenum, silver, tin, tungsten, uranium and zinc.

The proposed work for 2011 should include continued reconnaissance soil sampling elsewhere on the claims, follow-up deep (>30cm) soil sampling in anomalous areas identified by the 2010 program and geological prospecting of outcrop and felsenmeer on trend with the identified anomalies. Further prospecting around the area of sample 58858 may relocate the minfile occurrence. A low-level airborne magnetic and radiometric survey could also be undertaken. This survey will assist with the targeting of potential zones of alteration and structure that are important to the mineralogical setting of the property.

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Introduction and Terms of Reference

Sixty-nine POKER claims were initially staked during a two-day period in February 2010. During the period August 25 to September 1, 2010, a two-person field crew conducted regional geochemical traverses, as well as staking another six POKER claims, bringing the total property size to 75 claims (1568 hectares). Farrell Andersen supervised work and Casey Adshead provided geological assistance. In total, 224 soil samples, 2 bulk stream samples and 13 rock samples were collected and 37.5km of ground was traversed.

Vancouver-based junior explorer, Silver Quest Resources Limited, optioned the property in November 2010. Upon completion of the three-year option, Silver Quest will earn a 100% right to the property subject only to a net smelter royalty interest retained by the vendors.

Location, Topography, Climate

The POKER property locates on NTS map 115J/10 and covers the valley of Rude Creek and the north slope at the headwaters of Victor Creek north fork. The creeks drain westerly, feeding into Dip Creek. Dip Creek flows southwest into the Donjek/White River system.

The centre of the property lies at latitude 62° 40' N and longitude 138° 37' W. The closest communities are Beaver Creek, 120km to the southwest, then Carmacks, 135km to the southeast. Dawson City is 160km to the north and Whitehorse is 280km to the southeast (Figure 1).

The property topographically locates in the Dawson Range of west central Yukon. Elevation ranges from 760 metres in the valley bottom to 1430 metres at the highest point. Vegetation is dominantly boreal forest, changing to stunted spruce, dwarf birch and moss, then to talus and scree as elevation increases. Felsenmeer and boulder talus fields are common in the higher elevations. Tors form prominent outcrops on the shoulders and crests of ridges. Flat exposures of bedrock and sheer walls of bedrock occur in the valley bottoms. The climate has moderate precipitation. Winters are cold and summers are warm. The property is free of snow from mid-May to mid-September, and the creeks keep flow from May until October.

Claim Information

The POKER property comprises 75 full size quartz claims situated in the Whitehorse Mining District. Boomerang Exploration Ltd. planned and oversaw all work on the property in 2010 for then current claim owner Farrell Andersen. The claims are now under option to Silver Quest Resources Ltd., and are registered 100% to Silver Quest Resources Ltd. of Vancouver, BC.

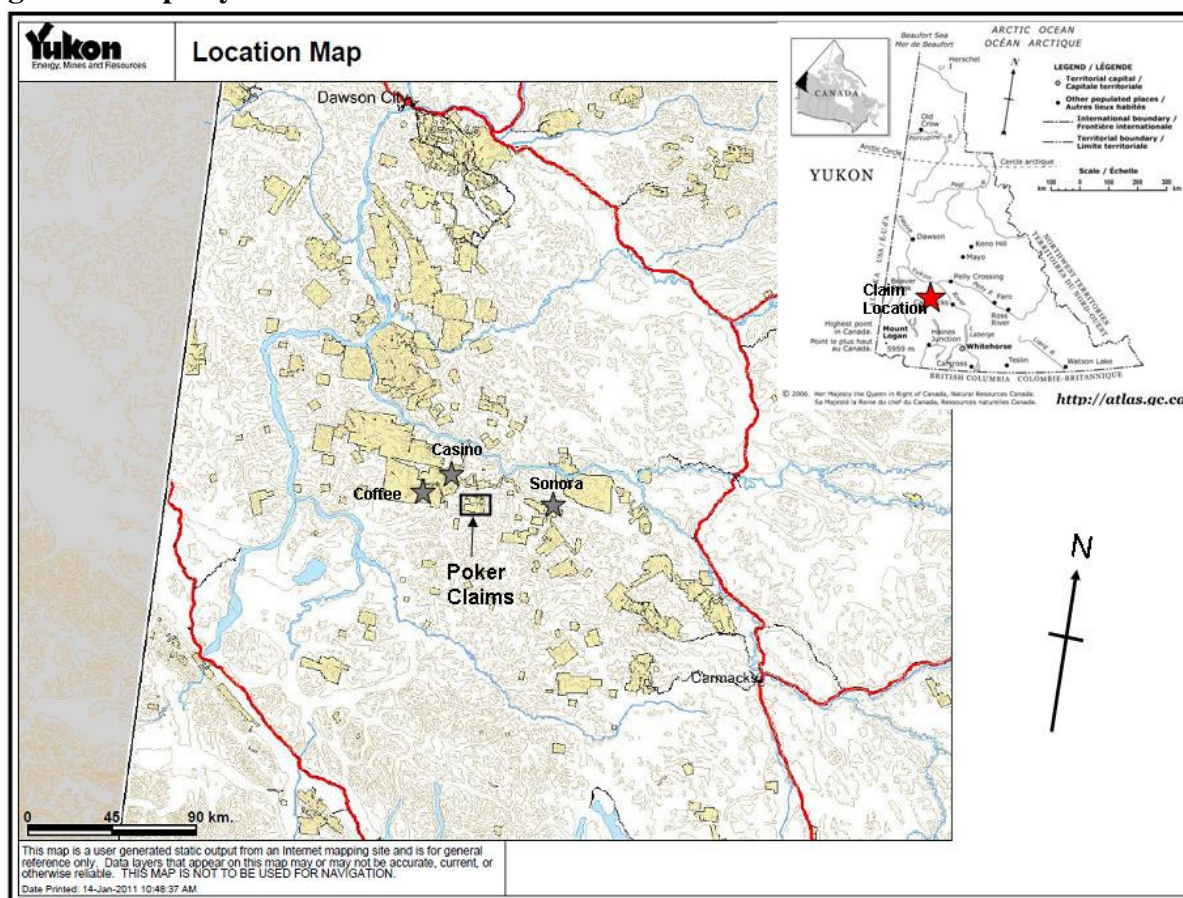
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Table 1: Quartz Claims & Ownership

District	Grant	Type	Name	Claim Owner	Staking Date	Claim Expiry*
Whitehorse	YD19001-YD19014	Quartz	POKER 1-14	SilverQuest Resources Ltd. 100%	20/02/2010	23/02/2011
Whitehorse	YD19015-YD19016	Quartz	POKER 15- 16	SilverQuest Resources Ltd. 100%	21/02/2010	23/02/2011
Whitehorse	YD19021-YD19038	Quartz	POKER 21- 38	SilverQuest Resources Ltd. 100%	20/02/2010	23/02/2011
Whitehorse	YD19039-YD19040	Quartz	POKER 39-40	SilverQuest Resources Ltd. 100%	30/08/2010	09/09/2011
Whitehorse	YD18941-YD18952	Quartz	POKER 41-52	SilverQuest Resources Ltd. 100%	20/02/2010	23/02/2011
Whitehorse	YD18953-YD18956	Quartz	POKER 53-56	SilverQuest Resources Ltd. 100%	21/02/2010	23/02/2011
Whitehorse	YD18965-YD18968	Quartz	POKER 65-68	SilverQuest Resources Ltd. 100%	21/02/2010	23/02/2011
Whitehorse	YD18970	Quartz	POKER 70	SilverQuest Resources Ltd. 100%	28/08/2010	09/09/2011
Whitehorse	YD18971-YD18977	Quartz	POKER 71-77	SilverQuest Resources Ltd. 100%	21/02/2010	23/02/2011
Whitehorse	YD18979	Quartz	POKER 79	SilverQuest Resources Ltd. 100%	28/08/2010	09/09/2011
Whitehorse	YD18980-YD18987	Quartz	POKER 80-87	SilverQuest Resources Ltd. 100%	21/02/2010	21/02/2011
Whitehorse	YD18988-YD18989	Quartz	POKER 88-89	SilverQuest Resources Ltd. 100%	28/08/2010	09/09/2011

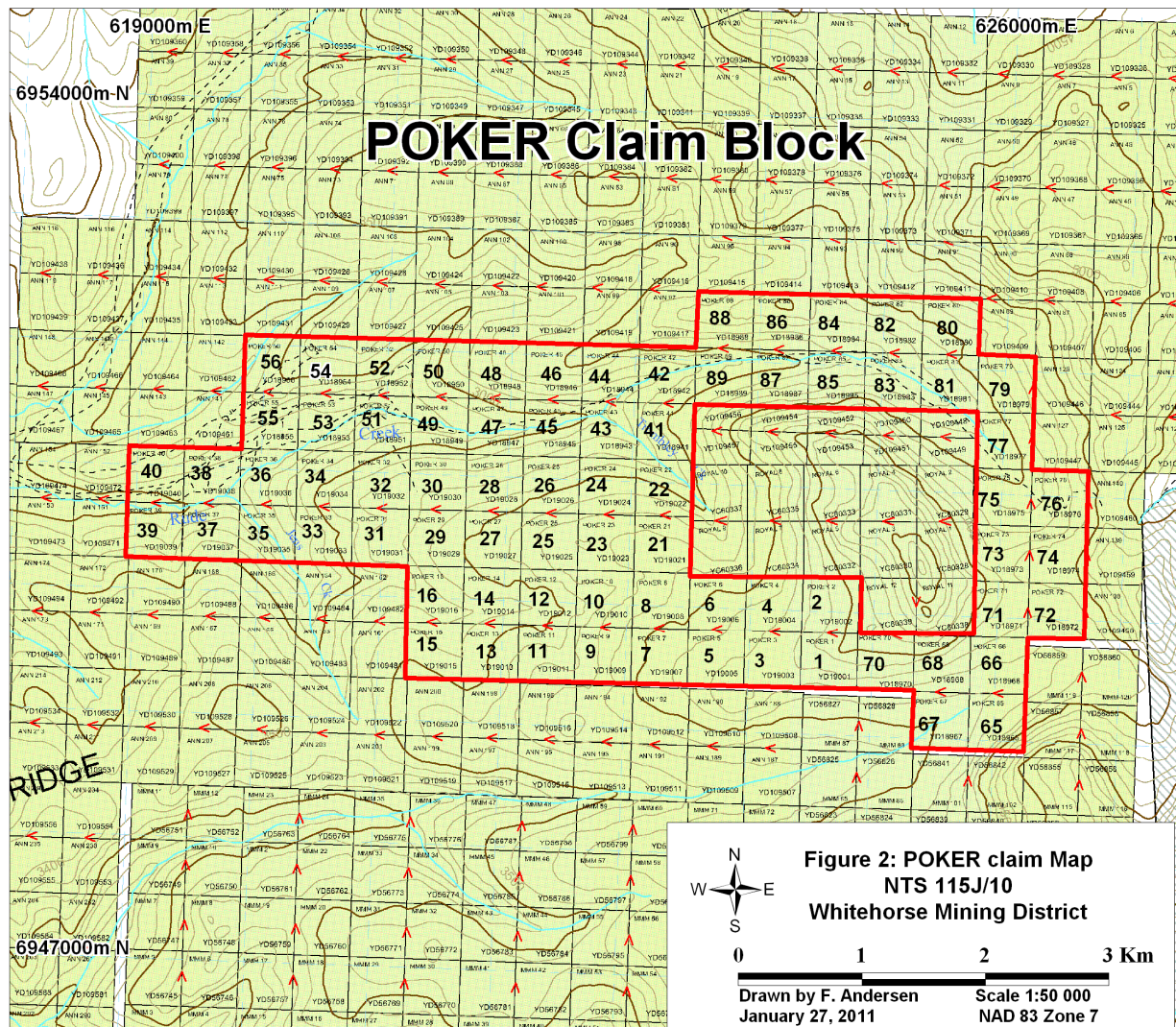
*expiry date excludes any assessment credit applied with this report

Figure 1: Property Location



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Figure 2: Property Claim Map



Access and Infrastructure

Heli-Dynamics of Whitehorse provided property access in 2010. The crew and supplies flew internally in a Bell Longranger 3 directly from Whitehorse. Mobilisation out was via helicopter to the Minto airstrip, 87 km to the west.

A well-maintained 650-metre long gravel airstrip is wholly located on the POKER 56 claim. A gravel road passable by truck allows access to a placer camp located on Rude Creek 1.3km upstream of the airstrip. The placer miner on Rude Creek maintains this road. Continuing upstream from the camp is a rough trail that becomes impassable within the first four kilometres unless on foot or horse. This trail continues as a winter road eastwards, up and over the Rude Creek valley, to the Sonora Gulch property. Western Copper Corporation used the winter trail in

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spring 2010 to mobilise equipment and fuel to their Casino deposit.

There is a 5000-gallon fuel tank at the airstrip and a large cleared staging area adequate for storing 205-litre fuel drums. The placer camp consists of several plywood shacks and a larger log and plywood cabin. A large tributary supplies drinking water for the camp. Rude Creek is a large and fast creek that could provide adequate water year round for a quartz-mining operation. The lower stretches of Rude Creek, where it enters the Dip Creek valley, may be adequate for tailings containment.

History

Placer mining on Rude Creek and its tributaries commenced in 1915 upon the discovery of gold approximately 5km upstream from its confluence with Dip Creek. Later that year, a galena vein was located in the drainage. A grab sample of massive galena from the vein reportedly assayed 71.6% Pb, 6.2% Zn, 6517.5 g/t Ag and 0.34 g/t Au. An adit into the southwest bank of the creek explored for the extension to the vein; however, the vein disappeared within the first 4 metres (Yukon Minfile 115J022). Stream sampling and contour soil sampling during the late 1960's and early 1970's focused on Casino-style Cu+Mo porphyry systems. There is no documentation on further exploration for the galena vein. Prospector International Resources Inc. did minor exploration near the property for lode gold during 1999 and 2000 (Jaworski, 2001).

Placer mining on Rude Creek recommenced during 1980-1981, again from 1987 to 1991 and once more in 2010. The 2010 mining is downstream of the POKER property, closer to the Dip Creek valley. In 1999 and 2000, Prospector International Resources carried out exploration for intrusive related mineralisation in the immediate area. The work was based on a 1986 RGS sample taken in Rude Creek with values of 237ppm Zn, 289ppm Pb, 1.2ppm Ag, 50ppm W, 44ppm As, 5.2ppm Sb and 300 ppb Au. The best results obtained by Prospector International are soil samples with 1254ppb Au and 331ppb Au with 3071ppb Ag. In 2007, Shawn Ryan staked the 12 claim Royal block overtop the soil anomaly. Ryan did minor soil sampling for assessment credits in 2008. The Royal claims expire in April 2011.

During traversing in 2010, several soil pits and occasional metal tags with etched sample numbers were located. Although the tags indicate past prospecting activity, there are no records in the public domain of previous sampling on the POKER property. A cleared heli-pad atop a ridge on POKER 23 and old claim posts on POKER 24 indicate the area was once covered with quartz claims.

Regional Geology & Geophysics

The Yukon Geological Survey mapping shows Middle to Late Cretaceous calc-alkalic I-type quartz monzonite and hornblende granodiorite underlies the property. All minfile occurrences in the region are associated with these rock types. The most recent geological map of the project area is found in INAC Open File 1995-2 (G) by S.T. Johnston. The only major structure showing

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on these maps is the regionally NE-SE trending strike-slip Dip Creek Fault.

The Dawson Range multi-parameter geophysical surveys flown by the government in 1994, and an airborne magnetometer survey flown in 2009 as part of the Edges Project for the GEM program funded by INAC and NRCAN, cover the property. While the magnetic and radiometric data readily outline plutons, individual variations within the pluton and delineation of potential alteration is not obvious.

Property Geology

The property locates at the north limit of glaciated and unglaciated terrain in the Dawson Range. Alpine glaciation (cirques, tarns and hanging valleys) is evident around the mountains to the east and south of the property. Glacial deposits consisting of outwash and eroded kame terraces are found in Victor Creek. Rude Creek is an incised v-shaped valley at its lower end, opening up to a wide U-shaped valley at its head. Felsenmeer and boulder fields, covered by moss and sedge tussocks, dominate smoothly eroding valley heads. Talus and scree fields cover the steep slopes. Tors outcrop on ridge tops and side hills. Outcrop is found in the canyons and as streambeds in creeks. Exposed outcrop is highly weathered and mechanically altered by wind, frost and stream action. Residual soil is moderately to well developed, and there is no sign of volcanic ash or loess. The lower slopes dropping into the valleys have permafrost.

The majority of the rock on the property is equigranular, medium to coarse grained, quartz rich, hornblende+biotite monzogranite. Another common unit is inequigranular, coarse-grained, orthoclase porphyritic, hornblende syenogranite. The northeastern portion of the claims (POKER 79-89) has fine to medium-grained quartz-rich, leucocratic, magnetite-bearing granodiorite with varying levels of pyritisation. Pyrite content was as high as 3% on the northern traverses across POKER 79-89, and virtually non-existent on the other claims. Epidote filled fractures and leached box-worked veinlets can be seen in granodiorite atop the ridge on POKER 86. Late stage fine-grained quartz diorite dykes, equivalent in age to Carmacks Group Volcanics, are along the road from the airstrip, in Rude Creek, within the uppermost trench and as xenoliths in granite boulder float. One piece of igneous boulder float contained a schistose xenolith that is part of the underlying metamorphosed Paleozoic basement.

Gossanous outcrop is exposed within a 50-metre long canyon on claim POKER 49. The canyon is formed by a 25-metre wide shear zone. Jointing and prominent fracturing in the shear zone orients 130/34NE. A slickenside outcrop 400 metres downstream of the canyon has an orientation of 077/69S. Another structure 200 metres upstream of the canyon, consisting of an 8cm wide sulfidic-clay filled fissure fault, has an orientation of 060/26S.

No hydrothermal clay alteration of feldspar was located, although the weathered limonitic shear in Rude Creek would mask alteration of this type. Minor pyrite is disseminated in the groundmass of the sheared rock. Weak chlorite and sericite with minor pyrite (propylitic alteration) is seen in the granite while traversing Trombley Creek, and again during a traverse from camp towards the ROYAL claims.

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Quartz+calcite veining is common as float in the placer workings around the shear zone. This veining does not appear further upstream or downstream of this location. Centimetre-scale sheeted magnetite veinlets in granodiorite boulder float is traced from the canyon to two kilometres upstream of the workings. Magnetite veining is also seen in felsenmeer and boulder talus fields on the south side of Rude Creek when traversing across the POKER 80-89 claims.

2010 Work Program

The two-person crew of Casey Adshead (Adshead Exploration) and Farrell Andersen (Boomerang Exploration Ltd.) mobilised to the property on August 25, 2010. A fly-camp was set up in Trombley Creek valley. The first afternoons work involved a reconnaissance of the surrounding geology and collecting a bulk stream sample. A dammed braided channel on Rude Creek, upstream of any influence from Trombley Creek, provided a good trap site.

The next six days involved noting geology and collecting geochemical samples while regionally traversing across the claims. Soil samples are collected roughly every 100 metres along traverse. Outcrop, felsenmeer and boulder talus consisted of unaltered, equigranular, quartz-phyric coarse-grained hornblende syenogranite and unaltered, inequigranular, orthoclase porphyritic, medium-grained biotite monzogranite.

The August 26 traverse crossed the property from north to south, extending eastwards into the southern claims. The traverse covered the west extension of the vein inferred by Prospector Industries. The traverse also crossed through a discrete first vertical derivative magnetic low. The magnetic low feature is centred on a large swampy area.

The August 27 traverse went east to west across the central portion of the claims, returning through the two old trenches along the ridge and back into camp. The lower trench measures 10 metres east by 1 metre north. It is hand-dug and partially filled by the strongly weathered, limonitic, quartz phyric syenogranite. Digging into the trench bottom exposed less weathered, weakly chlorite altered, magnetic syenogranite. The upper trench is wider and longer. It was excavated by a bulldozer in 1981 for assessment work. It measures 60 metres east by 5 metres north. The western end of the trench is ripped down the centre. Rock type here is also weakly chlorite altered syenogranite. A mini-grid of 50-metre spaced sampling covered the surrounding region of the bulldozer trench (samples 58711-58719).

Traversing the northeastern claims (POKER 79-89) on August 28 reveals that rock south of Rude Creek varies from the rock north of Rude Creek. Orthoclase porphyritic granite dominates the talus south of the creek, while float, felsenmeer and outcrop north of the creek is commonly fine to medium grained, very magnetic and pyritic, quartz-phyric, hornblende granodiorite. This granodiorite shows varying degrees of propylitic alteration and may represent part of a pyrite halo commonly associated with calc-alkalic porphyry mineralisation.

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The traverse of August 29 follows the track and road down Rude Creek valley, continuing up to the airstrip. Quartz+calcite veinlets with minor pyrite in granite float are found on claim POKER 51. Granite at the airstrip has a finer grain size and contains disseminated fine-grained pyrite. Feldspar in the granite is pale yellow coloured and soils are rusty in colour.

During a creek traverse on August 30, material was panned from the placer-mined area. The pans contain abundant black sand. One speck of gold was seen. A 25-metre wide shear zone that cuts the creek in a southeast direction on claim POKER 49 forms a 50-metre long canyon. The unsheared granite is dark brownish-red in colour. Rock is rubbly and friable within the shears and is hard (silicic?) and manganese stained between shears. Minor pyrite is seen in places. Prominent jointing is 130/34NE. Crustiform veining, consisting of vuggy quartz cores with quartz+calcite rims and narrow clay selvages, is found in the piled tailings immediately downstream of the canyon. Plagioclase feldspar in the veined rocks is pale green coloured and weakly clay altered. Float boulders of granodiorite in this area have sheeted centimeter-scale magnetite veining. Further upstream a fault trending 060/29S outcrops in Rude Creek. Grey weathered sulfidic grit and skeleton-lattice quartz veining fills the 8cm wide fissure. Samples of the footwall to the fault (58657) and the fault fill (58658) were collected.

The final traverse on August 31 starts from camp and follows the ridge easterly off the claims. The purpose for the traverse was to explore for alteration and change in rock upon approaching the work area promoted by Prospector Industries. The granite shows some weak chloritisation at mid-traverse. At the end of the traverse, a talus field (station FA-14) contains boulders with patches and centimeter-scale veins of quartz and pyrite. A metal tag etched with the number 0433 is in the talus pile.

The traverses and the sample locations are plotted as Figure 3 at the end of the report.

Sampling Method

In 2010, 224 soil samples, 2 stream samples and 13 rock samples were collected during daily traverses. The sample locations are recorded by hand-held GPS in datum NAD83, and field notes are taken at each site. All sample sites are flagged with a sample number written in felt marker on both sides.

Soil collection occurs every 100 metres along traverse. The soil is collected using a dutch soil auger. Sample depth averages 30cm. Average sample weight is 280 grams. Soil development is good and material collected was mostly B-horizon. The soil is placed into labeled Kraft bags and stored in large poly bags at camp until return to Marsh Lake. The samples are hung to dry in a secure building at Marsh Lake before submission to ALS-Chemex in Whitehorse. Soil samples are shipped from Whitehorse to the Vancouver lab.

Stream samples are collected from Rude Creek, upstream of any tributary influence, and on Trombley Creek above the Rude Creek valley. The streams have extremely fast flow on a steep gradient. Suitable trap sites out of the main current of the stream were located, but obtaining fine

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material was difficult. The stream material was collected by steel shovel sieved through a 2mm metal screen. The samples were submitted wet to ALS-Chemex in Whitehorse along with the soil samples.

Rock samples are collected in poly bags labeled with the station number. The rocks are described back in Marsh Lake, given sequential sample numbers, and submitted to ALS-Chemex in Whitehorse for preparation and analysis.

Soil and stream samples submitted to ALS-Chemex are logged, weighed and screened through a 180-micron sieve. The split fine material is then analysed for gold by fire-assay using an atomic absorption finish. The samples are also analysed for 51 elements by the ME-MS41 technique using aqua-regia digestion. Rock samples submitted to ALS-Chemex are logged, weighed and the whole sample crushed to >70% passing through a 2mm screen. A 250g split is then pulverised and analysed for gold by fire-assay using an atomic absorption finish. The samples are also analysed for 51 elements by the ME-MS41 technique using aqua-regia digestion. The head office of Silver Quest Resources Ltd. in Vancouver will receive all the rejects and pulps.

Results

The descriptive data for the 2010 sampling are included as Appendix 1. The Data Analysis Tool in MS-Excel calculated the statistics and correlation. The ALS-Chemex certificates are included as Appendix 3.

Rock Sampling

Eight of the thirteen rock samples collected returned one or more anomalous values. One sample, 58858, returned ore grade values in silver and lead. The rock sample taken from the 1981 bulldozer trench (58849) did not return any anomalous values, although soils from the area and further along the ridge are anomalous in Ag, Pb and Zn.

Rock sample 58851 was the most interesting rock of three samples (58850-58852) collected atop a pyrite mineralised fine-grained granodiorite knob. Sample 58851 returned 0.058ppm Au, 105ppm As and 7ppm Sn. It consisted of a fine-grained felsic groundmass with slickenside surfaces and fault related veining filled by crustiform quartz, feldspar and pyrite. The sample also has microveinlets of very fine-grained biotite. All three samples from this site have elevated values in copper (73ppm, 31ppm and 26ppm).

Rock sample 58855 returned 0.031ppm Au, 94ppm As and 9ppm U. This float rock, found near the upper end of the canyon in Rude Creek, has a pale green-hued feldspathic groundmass and hosts crustiform quartz+calcite stockwork. The rock has 3% interstitial blebs and aggregated fine-grained masses of pyrite. The geochemical signature of this sample is similar to the geochemical signature outlined in soil samples collected on the southeastern claims POKER 68, POKER 70 and POKER 1. Another anomaly for 58855 is the high strontium value of 140ppm. Two other similarly veined rock samples, 58860 and 58861, carried 254ppm and 140ppm

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strontium respectively. Strontium enrichment is a characteristic of the ore at the world class Cadia porphyry deposit in Australia.

Rock sample 58856 returned an elevated value of 94ppm As, 44ppm Cu and 8ppm Mo. It also contains 60ppm boron confirming the breccia matrix contains tourmaline.

Rock samples 58857 and 58858 are from a fissure fault outcropping in Rude Creek on claim POKER 47. Sample 58857 is the wall rock on the footwall side of the fault. No obvious sulfide is seen in this sample, yet it has values of 9.7ppm Ag, 34ppm Cu, 6ppm Mo, 13ppm Sb, 12ppm U and 3.77% Pb. Sample 58858 is the crumbly and friable material filling the fissure. It has a distinctive grayish colour associated with highly weathered sulfide. The 8cm wide representative sample returned values of 0.38ppm Au, >10000ppm As, 19.5ppm Bi, 1230ppm Cu, 10ppm Hg, 140ppm Mo, 1875ppm Sb, 7.4ppm Sn, 331ppm U, 30ppm W, 1500ppm Zn, 1780ppm Ag and >20% Pb.

Rock sample 58859 was found in a talus pile on a steep slope, 200 metres south of the POKER 87 claim. This sample has patches and veins of pyrite, and returns values of 0.101ppm Au, 2ppm Ag, 189ppm As and 405ppm Pb. The soil sample collected on the crest above this talus pile (soil sample 58840) returns 46ppm As.

Rock samples 58860 and 58861 are quartz+calcite veined float material in placer tailings on Rude Creek. The samples return 115ppm and 141ppm Pb respectively. Sample 58860 carries 445ppm Zn and sample 58861 carries 21ppm U.

The locations for the rocks and their values are on a map in Appendix 2.

Soil Sampling

Results from the 224 soil samples identify long sections of the traverses anomalous in multiple elements. The anomalies may indicate three styles of mineralisation. Gold, arsenic and uranium on the southeastern claims suggests magmatic hydrothermal veining. Silver, arsenic, antimony, lead and zinc on the central claims is indicative of polymetallic fissure-type veining. Copper, molybdenum, tin and tungsten on the northeastern claims indicate porphyry-related mineralisation.

Gold values greater than 99th percentile are in samples 58652 and 58654, located on the southeast claims. The highest bismuth value (5.39ppm in sample 58649) also comes from these claims. Gold is most common (95th to 97.5th percentile) on claims POKER 80-89 where it correlates with tellurium. The highest gold value of 0.106ppm is in sample 58686, collected on the lower slopes of the Trombley Creek valley, near its confluence with Rude Creek.

Copper and molybdenum values show a strong correlation (correlation co-efficient 0.67). Almost all elevated copper values (95th percentile and higher) occur in samples 58739-58748, collected on the most northeastern claims sampled. Five copper and molybdenum values at the 99th percentile or higher occur along the boundary shared by claims POKER 79, POKER 80 and POKER 81. Samples from this area also have elevated antimony, tin, tungsten, bismuth and silver

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values.

Silver is uniformly spread around the claims. High values occur in the northeast, coincident with the copper and molybdenum; and down the Rude Creek valley where they are associated with antimony, arsenic and bismuth. Silver values, including the highest value at 4.46ppm (sample 58723), are associated with lead and zinc along the ridge where the historic trenching took place (POKER 27 and POKER 29). Sample 58723 also has the highest zinc and lead value for all the sampling. Further east along this same ridge (samples 58678 and 58679) are arsenic and antimony values greater than the 99th percentile. Silver and zinc values are again elevated in this area (samples 58676 to 58683).

Tungsten correlates strongly with copper and molybdenum in the northeast sampling and to a lesser extent on the south and north slopes of central Rude Creek valley. The central north slope is also anomalous in lead and zinc. The highest tungsten value (7.39ppm in sample 58788) is coincident with the earliest placer mining on Rude Creek. This sample is also near the ore-grade rock sample 58858 that contains 30ppm tungsten.

Uranium values in soil samples stand out in the central south section of the claims (POKER 1 through POKER 6). The values are up to 29.5ppm. Uranium does not correlate with other elements.

The soil samples, based on percentile limits, are plotted in Appendix 2.

Stream Sampling

Bulk stream sample 58623, weighing 5.88kg, is from a braided channel on Rude Creek that is cut off from regular flow by logs and debris. The sample captures the headwaters of Rude Creek and represents a catchment area of 7.5 square kilometres. Values returned are 0.08ppm Au, 0.19ppm Ag, 13ppm As, 49ppm Cu, 2.7ppm Mo, 48ppm U and 9.8ppm W. Panning the sample material shows magnetic black sand.

The second bulk stream sample, 58848, weighing 3.62kg, is from a high-water bank on Trombley Creek, outside of any high water or floodwater from Rude Creek. The streambed in Trombley Creek is bouldery and the gradient is steep. Material for this sample came from under boulders and scrapings off moss. The sample captures the complete drainage of Trombley Creek, totaling 3.8 square kilometers. Values returned are 3.16ppm Au, 0.18ppm Ag, 19ppm As, 11ppm Cu, 1.2ppm Mo, 17ppm U and 0.9ppm W. Pans of the same material collected in the sample have very minor black sand.

The stream sample map outlining the catchment area is included in Appendix 2.

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Conclusions and Recommendations

The 2010 program successfully covered more than one-half of the property with geological observation and coincident geochemical sampling. Each traverse undertaken has anomalous sections of soil samples. Further sampling is required to complete the coverage over the remaining claims on the property. Following up the already identified anomalous sections of the traverses with more geochemical sampling and geological prospecting is also required. The property contrasts with the typical assumption that outcrop is sparse. There is actually an abundance of outcrop, subcrop and felsenmeer on the property. Mapping rock type and looking for alteration is warranted.

The trend of 130 degrees for the shear zone parallels Trombley Creek and Jens Creek, the two major tributaries to Rude Creek. Extending this trend northwest takes one into the region of the world-class Casino deposit. It is recommended that this trend be explored further.

The Yukon Minfile 115J022 occurrence was not specifically located. However, the adit and galena vein may be near the ore grade lead and silver bearing rock sample 58858. Further investigation should be undertaken.

Finally, the anomalies identified from the 2010 rock, soil and stream sampling, the float specimens of tourmaline breccia and sheeted magnetite veining, the disseminated pyrite in the fine-grained granodiorite, and the ore-grade rock sample collected from a fissure fault in Rude Creek, indicate that the POKER property is one of merit. There is potential not only for Cu-Mo porphyry mineralisation, but also for fissure-hosted polymetallic veining and intrusive-related precious metal veining.

This granodiorite shows varying degrees of propylitic alteration and may represent part of a pyrite halo commonly associated with calc-alkalic porphyry mineralisation.

2010 Geochemical Exploration on the POKER Property

Statement of Expenditures on the Poker Claims

Table 2: Statement of Expenditures

Details	Total Cost incl. GST
Mobilization-Heli-Dynamics	\$ 6731.34
Field Prep & Expediting-Boomerang Exploration Ltd.	2047.50
Contract Labour-Adshead Exploration	3360.00
Professional Fees-Boomerang Exploration Ltd	5880.00
Camp Costs	800.00
Field Expenses	800.00
Geochemical analyses	10080.23
Research & Report-Boomerang Exploration Ltd.	3675.00
Total Costs 2010 Program	\$ 33374.07

References

Jaworski, Bart J. and Meyer, B., 2001: EMR assessment report 094062; Geological and Geochemical report on the Rude Creek Intrusion Related Gold Target

Johnston, S.T., 1995: Geological compilation with interpretation from geophysical surveys of the northern Dawson Range, Central Yukon (115J/9&10, 115I/12) (1:100 000 scale map). INAC Open File 1995-2G

Payne, J.G. et al, 1987: Geology of Colorado Creek (115J/10), Selwyn River (115J/9) and Prospector Mountain (115I/5) Map Areas, Western Dawson Range, West Central Yukon. INAC Open File 1987-3

Yukon Geological Survey, 1991: Yukon Minfile #115J022-RUDE CREEK

2010 Geochemical Exploration on the POKER Property

Statement and Qualifications of Author

I, Farrell J. Andersen, state that:

I reside at Lot 77 Relic Road in the Judas Creek Subdivision of Marsh Lake, Yukon.

I am a registered Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

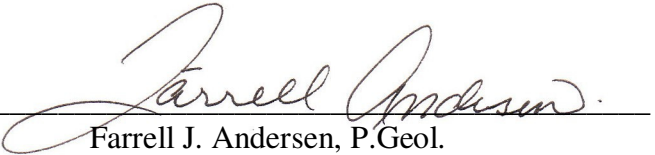
I graduated from the University of British Columbia in 1989 and have been practicing my profession continually since graduation.

I have a one-third interest in the option of the subject property to Silver Quest Resources Ltd.

I planned and supervised all 2010 field work, and authored the report "2010 Geochemical Exploration on the POKER 1 - 16 (YD19001-19016), POKER 21 - 40 (YD19021-19040), POKER 41 - 56 (YD18941-18956), POKER 65 - 68 (YD18965-18968), POKER 70 - 77 (YD18970-18977), POKER 79 - 89 (YD18979-18989)"

I was assisted during the work program by Casey Adshead of Adshead Exploration.

Signed and Sealed January 31, 2011 by: _____


Farrell J. Andersen, P.Geol.

Appendix 1

2010 POKER Data

Appendix 1 2010 POKER Sample Data

Sample ID	Type	NAD83 E	NAD83 N	Elev m	Date	Horizon	Depth cm	Colour	Quality	Sampler
58623	silt	622703	6951577	928	25/08/2010		-99			FJA
58624	soil	623479	6950234	1191.7	26/08/2010	B	30	BR		CDA
58625	soil	623570	6950190	0	26/08/2010	B	15	BR		FJA
58626	soil	623657	6950159	1202.5	26/08/2010	B	25	GY BR		CDA
58627	soil	623752	6950113	1213.5	26/08/2010	B	40	BR	Good	FJA
58628	soil	623845	6950064	1224.4	26/08/2010	B	30	BR GY	Talus	CDA
58629	soil	623933	6950011	1236.4	26/08/2010	B	15	BR	Good	FJA
58630	soil	624035	6949977	1250.6	26/08/2010	B	30	GY GR	Talus	CDA
58631	soil	624112	6949941	1263.3	26/08/2010	B	30	BR	Good	FJA
58632	soil	624205	6949893	1281.3	26/08/2010	B	65	GY BR	Talus	CDA
58633	soil	624293	6949860	1290.7	26/08/2010	B	30	BR	Good	FJA
58634	soil	624409	6949801	1310.9	26/08/2010	B	25	BR	Talus	CDA
58635	soil	624486	6949769	1338	26/08/2010	B	35	BR	Good	FJA
58636	soil	624597	6949749	1361.8	26/08/2010	B	20	BR		CDA
58637	soil	624642	6949683	1352.9	26/08/2010	B	20	DK BR		FJA
58638	soil	624713	6949612	1352.5	26/08/2010	B	15	BR	Talus	CDA
58639	soil	624790	6949537	1325.8	26/08/2010	B	35	BK	Poor	FJA
58640	soil	624852	6949455	1320.2	26/08/2010	B	25	BR		CDA
58641	soil	624876	6949365	1284.2	26/08/2010	B	20	BR	Talus	CDA
58642	soil	625326	6949350	1264.5	26/08/2010	B	30	BR	Good	FJA
58643	soil	625434	6949350	1266.7	26/08/2010	B	25	BR	Talus	CDA
58644	soil	625518	6949353	1263.5	26/08/2010	B	35	BR	Good	FJA
58645	soil	625638	6949343	1255.1	26/08/2010	B	55	GY	Wet	CDA
58646	soil	625665	6949443	1267.4	26/08/2010	B	20	BR	Good	FJA
58647	soil	625716	6949526	1283.5	26/08/2010	B	20	BR	Talus	CDA
58648	soil	625668	6949534	1283.5	26/08/2010	B	20	RD BR		FJA
58649	soil	625564	6949503	1288.3	26/08/2010	B	15	BR	Talus	CDA
58650	soil	625470	6949497	1296.2	26/08/2010	C	20	RD BR	Poor	FJA
58651	soil	625371	6949462	1298.4	26/08/2010	B	35	BR	Talus	CDA
58652	soil	625258	6949456	1295.7	26/08/2010	B	15	BR	Good	FJA
58653	soil	625157	6949435	1306.5	26/08/2010	B	15	GY BR	Talus	CDA
58654	soil	625080	6949402	1289.5	26/08/2010	B	15	BR	Good	FJA
58655	soil	624970	6949381	1293.6	26/08/2010	B	15	BR	Talus	CDA
58656	soil	624783	6949405	1294.3	26/08/2010	B	20	BR	Good	FJA
58657	soil	624668	6949415	1298.9	26/08/2010	B	20	BR	Talus	CDA
58658	soil	624579	6949406	1283.5	26/08/2010	B	30	DK BR	Fair	FJA
58659	soil	624465	6949396	1290.9	26/08/2010	B	30	BR	Talus	CDA
58660	soil	624374	6949405	1299.3	26/08/2010	B	10	BR	Fair	FJA
58661	soil	624268	6949400	1308.7	26/08/2010	B	20	BR	Talus	CDA
58662	soil	624184	6949407	1300.5	26/08/2010	B	15	BR	Good	FJA
58663	soil	624072	6949411	1308.2	26/08/2010	B	25	GR GY	Talus	CDA
58664	soil	623985	6949412	1297.4	26/08/2010	B	25	BR	Good	FJA
58665	soil	623870	6949405	1315.2	26/08/2010	B	15	BR	Talus	CDA
58666	soil	623794	6949529	1274.8	26/08/2010	B	30	BR		FJA
58667	soil	623726	6949633	1276.3	26/08/2010	B	20	BR	Talus	CDA
58668	soil	623694	6949689	1252.7	26/08/2010	B	25	BR	Good	FJA
58669	soil	623633	6949799	1248.6	26/08/2010	B	50	GY	Talus	CDA
58670	soil	623581	6949876	1228.2	26/08/2010	B	35	GY BR	Good	FJA
58671	soil	623534	6949974	1220	26/08/2010	B	50	BR	Talus	CDA

Appendix 1 2010 POKER Sample Data

Sample ID	Type	NAD83 E	NAD83 N	Elev m	Date	Horizon	Depth cm	Colour	Quality	Sampler
58672	soil	623465	6950059	1198.4	26/08/2010	B	30	BR	Poor	FJA
58673	soil	623413	6950142	1198.2	26/08/2010	B	50	BR		CDA
58674	soil	623376	6950223	1182.5	26/08/2010	B	35	BR	Good	FJA
58675	soil	623309	6950301	1192.2	26/08/2010	B	35	BR	Talus	CDA
58676	soil	623258	6950388	1178.7	26/08/2010	B	20	BR	Fair	FJA
58677	soil	623204	6950476	1184.9	26/08/2010	B	20	BR	Talus	CDA
58678	soil	623159	6950554	1157.5	26/08/2010	B	45	BR	Good	FJA
58679	soil	623094	6950639	1160.9	26/08/2010	B	15	BR GY	Talus	CDA
58680	soil	623036	6950727	1137.4	26/08/2010	B	40	GY	Good	FJA
58681	soil	622992	6950818	1110.7	26/08/2010	B	60	GY		CDA
58682	soil	622937	6950896	1099.1	26/08/2010	C	20	BR	Good	FJA
58683	soil	622885	6950986	1059.7	26/08/2010	B	50	BR	Talus	CDA
58684	soil	622839	6951069	1045.8	26/08/2010	C	55	BR		FJA
58685	soil	622810	6951370	0	27/08/2010	B	50	BR	Good	FJA
58686	soil	622711	6951350	966	27/08/2010	B	50	BR		CDA
58687	soil	622617	6951331	963.8	27/08/2010	C	30	BR	Good	FJA
58688	soil	622515	6951308	954.7	27/08/2010	C	40	BR		CDA
58689	soil	622421	6951278	954.5	27/08/2010	C	40	BR	Good	FJA
58690	soil	622325	6951246	961.9	27/08/2010	C	45	BR		CDA
58691	soil	622214	6951229	979.9	27/08/2010	C	40	BR	Good	FJA
58692	soil	622129	6951192	961.4	27/08/2010	B	30	BR		CDA
58693	soil	622032	6951176	958.6	27/08/2010	B	20	BR	Good	FJA
58694	soil	621940	6951121	963.8	27/08/2010	C	50	BR		CDA
58695	soil	621852	6951071	937.9	27/08/2010	C	40	GY		FJA
58696	soil	621756	6951051	968.2	27/08/2010	B	30	BR GY	Talus	CDA
58697	soil	621660	6951024	947.7	27/08/2010	C	20	BR	Good	FJA
58698	soil	621563	6950992	981.4	27/08/2010	B	35	BR	Talus	CDA
58699	soil	621469	6950944	940.8	27/08/2010	B	25	BR	Good	FJA
58700	soil	621372	6950931	993.9	27/08/2010	B	30	BR	Talus	CDA
58701	soil	621277	6950911	939.1	27/08/2010	B	40	RD BR	Good	FJA
58702	soil	621186	6950852	996	27/08/2010	B	30	BR	Talus	CDA
58703	soil	621231	6950879	1003.4	27/08/2010	C	45	BR		FJA
58704	soil	621257	6950887	1017	27/08/2010	C	15	BR		CDA
58705	soil	621324	6950804	1078.5	27/08/2010	B	30	BR	Good	FJA
58706	soil	621361	6950724	1016.7	27/08/2010	B	15	GY		CDA
58707	soil	621395	6950640	1070.8	27/08/2010	B	50	BR	Good	FJA
58708	soil	621449	6950546	1043.6	27/08/2010	B	20	GY BR	Talus	CDA
58709	soil	621501	6950460	1081.1	27/08/2010	B	40	BR	Good	FJA
58710	soil	621595	6950434	1066	27/08/2010	B	15	GY	Talus	CDA
58711	soil	621643	6950420	1074.6	27/08/2010	C	10	BR		CDA
58712	soil	621665	6950423	1067.9	27/08/2010	C	25	OR BR		FJA
58713	soil	621700	6950427	1076.3	27/08/2010	C	5	BR		CDA
58714	soil	621614	6950473	1064.1	27/08/2010	C	10	BR		CDA
58715	soil	621653	6950359	1066.9	27/08/2010	B	30	BR	Good	FJA
58716	soil	621662	6950471	1071	27/08/2010	B	20	BR	Talus	CDA
58717	soil	621713	6950370	1073.7	27/08/2010	B	35	BR	Good	FJA
58718	soil	621713	6950475	1075.8	27/08/2010	B	20	BR		CDA
58719	soil	621759	6950359	1084.5	27/08/2010	B	30	YW BR	Good	FJA
58720	soil	621901	6950450	1093.6	27/08/2010	B	15	RD BR	Talus	CDA
58721	soil	621805	6950424	1081.8	27/08/2010	B	25	BR	Good	FJA
58722	soil	622099	6950453	1112.4	27/08/2010	B	20	TAN		CDA

Appendix 1 2010 POKER Sample Data

Sample ID	Type	NAD83 E	NAD83 N	Elev m	Date	Horizon	Depth cm	Colour	Quality	Sampler
58723	soil	622000	6950461	1097.9	27/08/2010	B	40	BR	Good	FJA
58724	soil	622298	6950514	1130.4	27/08/2010	B	20	GY	Talus	CDA
58725	soil	622211	6950467	1119.3	27/08/2010	B	50	BR	Good	FJA
58726	soil	622504	6950492	1150.3	27/08/2010	B	20	TAN	Talus	CDA
58727	soil	622406	6950506	1139	27/08/2010	B	30	GR BR	Good	FJA
58728	soil	622705	6950501	1155.4	27/08/2010	B	50	BR	Good	FJA
58729	soil	622619	6950501	1159.9	27/08/2010	B	15	RD BR	Good	FJA
58730	soil	622733	6950590	1144.8	27/08/2010	B	20	BR	Talus	CDA
58731	soil	622759	6950683	1129.2	27/08/2010	B	65	GY BR	Good	FJA
58732	soil	622771	6950793	1113.1	27/08/2010	B	15	GY BR		CDA
58733	soil	622783	6950898	1088.8	27/08/2010	B	45	GY		FJA
58734	soil	622786	6950992	1072.2	27/08/2010	B	30	BR		CDA
58735	soil	622814	6951079	1054.2	27/08/2010	B	50	GY BR	Good	FJA
58736	soil	622849	6951182	1029.4	27/08/2010	B	30	BR	Talus	CDA
58737	soil	622869	6951274	1004.5	27/08/2010	C	25	GY BR		FJA
58738	soil	622888	6951376	973.7	27/08/2010	B	40	TAN	Talus	CDA
58739	soil	625794	6951649	1191.4	28/08/2010	B	45	BR		CDA
58740	soil	625790	6951746	1193.1	28/08/2010	B	35	BR	Good	FJA
58741	soil	625784	6951851	1210.9	28/08/2010	B	30	BR		CDA
58742	soil	625783	6951950	1222.4	28/08/2010	B	50	BR	Good	FJA
58743	soil	625781	6952053	1241.4	28/08/2010	B	15	RD BR		CDA
58744	soil	625789	6952146	1241.4	28/08/2010	B	35	OR BR	Good	FJA
58745	soil	625695	6952088	1233.5	28/08/2010	B	15	BR		CDA
58746	soil	625574	6952080	1210.7	28/08/2010	B	25	BR	Good	FJA
58747	soil	625485	6952101	1184.5	28/08/2010	B	20	BR		CDA
58748	soil	625387	6952157	1183.5	28/08/2010	B	55	BR		FJA
58749	soil	625296	6952211	1180.6	28/08/2010	B	20	BR		CDA
58750	soil	625204	6952259	1176.5	28/08/2010	B	40	BR	Good	FJA
58751	soil	625110	6952297	1177	28/08/2010	B	15	BR		CDA
58752	soil	625015	6952334	1165.2	28/08/2010	B	25	BR	Fair	FJA
58753	soil	624921	6952358	1172.9	28/08/2010	B	15	BR	Talus	CDA
58754	soil	624822	6952391	1162.1	28/08/2010	B	15	OR BR	Fair	FJA
58755	soil	624723	6952391	1169.6	28/08/2010	B	40	BR	Talus	CDA
58756	soil	624635	6952455	1175.6	28/08/2010	B	55	BR	Good	FJA
58757	soil	624545	6952509	1190.5	28/08/2010	B	30	BR		CDA
58758	soil	624442	6952499	1192.9	28/08/2010	B	30	BR	Good	FJA
58759	soil	624325	6952456	1216.4	28/08/2010	B	20	BR	Talus	CDA
58760	soil	624216	6952461	1228.7	28/08/2010	B	10	BR	Good	FJA
58761	soil	624118	6952428	1215.5	28/08/2010	B	20	OR BR	Talus	CDA
58762	soil	624030	6952374	1191.9	28/08/2010	B	20	BR	Fair	FJA
58763	soil	623962	6952302	1157.3	28/08/2010	B	10	BR	Talus	CDA
58764	soil	623853	6952296	1160.7	28/08/2010	B	30	BR	Good	FJA
58765	soil	623767	6952237	1145	28/08/2010	B	30	BR	Talus	CDA
58766	soil	623675	6952198	1118.4	28/08/2010	B	30	OR BR	Good	FJA
58767	soil	623586	6952149	1097.9	28/08/2010	B	30	BR	Talus	CDA
58768	soil	623498	6952094	1057.1	28/08/2010	B	35	BR	Good	FJA
58769	soil	623433	6952037	1035	28/08/2010	B	35	BR	Talus	CDA
58770	soil	623353	6951978	1009.3	28/08/2010	C	20	BR		FJA
58771	soil	623279	6951908	990.3	28/08/2010	B	15	TAN		CDA
58772	soil	623207	6951840	971.5	28/08/2010	B	40	BR		FJA
58773	soil	623124	6951769	989.6	28/08/2010	B	25	TAN	Talus	CDA

Appendix 1 2010 POKER Sample Data

Sample ID	Type	NAD83 E	NAD83 N	Elev m	Date	Horizon	Depth cm	Colour	Quality	Sampler
58774	soil	623045	6951718	986.7	28/08/2010	B	120	BR		FJA
58775	soil	622984	6951638	983.3	28/08/2010	B	20	TAN	Talus	CDA
58776	soil	622908	6951570	971.3	28/08/2010	B	100	0	Good	FJA
58777	soil	622830	6951511	950.4	28/08/2010	B	25	TAN		CDA
58778	soil	622847	6951735	952.8	29/08/2010	B	25	BR		FJA
58779	soil	622778	6951664	932.1	29/08/2010	B	25	BR		CDA
58780	soil	622680	6951629	947.7	29/08/2010	B	80	BR	Good	FJA
58781	soil	622588	6951585	931.6	29/08/2010	B	15	TAN		CDA
58782	soil	622490	6951550	0	29/08/2010	B	30	BR	Good	FJA
58783	soil	622395	6951516	912.7	29/08/2010	B	20	TAN		CDA
58784	soil	622290	6951500	0	29/08/2010	B	15	BR	Good	FJA
58785	soil	622194	6951490	903.3	29/08/2010	B	40	BR		CDA
58786	soil	622092	6951456	898.7	29/08/2010	B	50	BR	Good	FJA
58787	soil	621996	6951447	886.9	29/08/2010	B	15	BR		CDA
58788	soil	621889	6951432	883.8	29/08/2010	B	50	BR	Good	FJA
58789	soil	621793	6951436	880.4	29/08/2010	B	35	BR		CDA
58790	soil	621687	6951446	868.4	29/08/2010	B	75	BR	Good	FJA
58791	soil	621587	6951445	868.4	29/08/2010	B	50	BR		CDA
58792	soil	621480	6951450	0	29/08/2010	B	60	BR	Good	
58793	soil	621375	6951468	854.5	29/08/2010	B	55	BR		CDA
58794	soil	621267	6951503	844.9	29/08/2010	B	60	BR	Good	FJA
58795	soil	621157	6951564	844.6	29/08/2010	B	70	BR		CDA
58796	soil	621042	6951657	841.3	29/08/2010	B	50	BR	Good	FJA
58797	soil	620917	6951668	846.8	29/08/2010	B	30	BR		CDA
58798	soil	620833	6951649	852.6	29/08/2010	B	40	BR	Good	FJA
58799	soil	620743	6951622	846.6	29/08/2010	B	25	OR BR		CDA
58800	soil	620647	6951600	845.6	29/08/2010	B	65	DK BR	Fair	FJA
58801	soil	620546	6951582	837.9	29/08/2010	B	45	BR		CDA
58802	soil	620446	6951558	828.8	29/08/2010	B	35	BR	Good	FJA
58803	soil	620357	6951557	836.2	29/08/2010	B	20	OR BR		CDA
58804	soil	620257	6951536	834.5	29/08/2010	B	35	BR	Good	FJA
58805	soil	620149	6951495	857.1	29/08/2010	B	10	OR BR		CDA
58806	soil	620052	6951475	866	29/08/2010	B	50	YW BR	Good	FJA
58807	soil	619961	6951461	870.6	29/08/2010	B	20	OR BR		CDA
58808	soil	619860	6951413	877.1	29/08/2010	B	40	RD BR	Good	FJA
58809	soil	619741	6951385	873	29/08/2010	B	25	OR BR		CDA
58810	soil	619830	6951552	879	29/08/2010	B	40	OR BR	Good	FJA
58811	soil	619900	6951623	890.8	29/08/2010	B	15	OR BR		CDA
58812	soil	619978	6951670	896.1	29/08/2010	B	30	OR BR	Good	FJA
58813	soil	620045	6951746	902.8	29/08/2010	B	10	BR OR		CDA
58814	soil	620123	6951809	904.5	29/08/2010	B	25	OR BR	Good	FJA
58815	soil	620182	6951911	925.6	29/08/2010	B	20	LT BR		CDA
58816	soil	620272	6951946	932.8	29/08/2010	C	20	BR		FJA
58817	soil	620267	6951511	836.9	30/08/2010	B	15	OR BR		CDA
58818	soil	620190	6951443	849.7	30/08/2010	C	40	BR	Good	FJA
58819	soil	620101	6951384	830.9	30/08/2010	B	20	BR		CDA
58820	soil	620030	6951325	839.4	30/08/2010	C	35	BR	Good	FJA
58821	soil	619949	6951256	818	30/08/2010	B	20	BR		CDA
58822	soil	619852	6951230	824.7	30/08/2010	B	35	BR	Good	FJA
58823	soil	619755	6951193	815.6	30/08/2010	B	25	BR		CDA
58824	soil	619662	6951178	824	30/08/2010	B	55	BR		FJA

Appendix 1 2010 POKER Sample Data

Sample ID	Type	NAD83 E	NAD83 N	Elev m	Date	Horizon	Depth cm	Colour	Quality	Sampler
58825	soil	619592	6951082	809.5	30/08/2010	B	20	BR		CDA
58826	soil	619520	6951010	815.6	30/08/2010	B	30	YW BR	Good	FJA
58827	soil	619542	6950876	783.1	30/08/2010	B	80	TAN		CDA
58828	soil	623094	6951573	1012.1	31/08/2010	B	25	BR	Good	FJA
58829	soil	623190	6951550	0	31/08/2010	B	25	BR	Good	CDA
58830	soil	623281	6951540	1063.1	31/08/2010	B	30	BR	Good	FJA
58831	soil	623480	6951525	1089.8	31/08/2010	B	15	BR	Good	FJA
58832	soil	623386	6951531	1086.2	31/08/2010	B	25	BR	Good	FJA
58833	soil	623586	6951510	1136.4	31/08/2010	B	30	BR	Good	FJA
58834	soil	623679	6951487	1161.4	31/08/2010	B	20	BR	Poor	FJA
58835	soil	623772	6951448	1211.9	31/08/2010	B	10	BR	Good	FJA
58836	soil	623875	6951454	1259.4	31/08/2010	B	10	BR	Good	FJA
58837	soil	623976	6951425	1291.2	31/08/2010	B	10	BR	Good	FJA
58838	soil	624080	6951420	0	31/08/2010	B	20	BR	Good	CDA
58839	soil	624180	6951420	0	31/08/2010	B	10	BR	Good	CDA
58840	soil	624278	6951408	1371.4	31/08/2010	B	20	BR	Good	FJA
58841	soil	623431	6951203	1046.8	31/08/2010	B	30	GY BR	Good	FJA
58842	soil	623350	6951257	1036.9	31/08/2010	B	25	BR	Good	FJA
58843	soil	623270	6951320	0	31/08/2010	B	20	BR	Good	CDA
58844	soil	623177	6951385	1006.4	31/08/2010	B	20	BR	Good	FJA
58845	soil	623092	6951435	988.6	31/08/2010	B	25	BR	Good	FJA
58846	soil	622980	6951417	972.7	31/08/2010	B	35	BR	Good	FJA
58847	soil	622890	6951473	960	31/08/2010	B	30	BR	Good	FJA
58848	silt	622895	6951402	925.1	31/08/2010		-99			FJA
58849	rock	621665	6950423	1067.9	27/08/2010		-99		outcrop	FJA
58850	rock	625787	6952100	1241.4	28/08/2010		-99		outcrop	FJA
58851	rock	625778	6952130	1241.4	28/08/2010		-99		outcrop	FJA
58852	rock	625775	6952107	1241.4	28/08/2010		-99		outcrop	FJA
58853	rock	624263	6952478	1221	28/08/2010		-99		outcrop	FJA
58854	rock	620158	6951201	776.1	30/08/2010		-99		outcrop	FJA
58855	rock	621265	6951460	841.3	30/08/2010		-99		float	FJA
58856	rock	621609	6951350	856.4	30/08/2010		-99		float	FJA
58857	rock	621817	6951357	866.7	30/08/2010		-99		outcrop	FJA
58858	rock	621818	6951357	866.7	30/08/2010		-99		outcrop	FJA

Appendix 1 2010 POKER Sample Data

Sample ID	Type	NAD83 E	NAD83 N	Elev m	Date	Horizon	Depth cm	Colour	Quality	Sampler
58859	rock	624288	6951432	1360.1	31/08/2010		-99		float	FJA
58860	rock	621250	6951439		30/08/2010		-99		float	FJA
58861	rock	621323	6951427		30/08/2010		-99		float	FJA
10FA01	Station	623510	6950894	1049.2	26/08/2010		-99			FJA
10FA02	Station	621231	6950879	1002.9	27/08/2010		-99			FJA
10FA03	Station	621667	6950428	1076.8	27/08/2010		-99			FJA
10FA04	Station	624263	6952478	1221	28/08/2010		-99			FJA
10FA05	Station	620623	6951609	842.2	29/08/2010		-99			FJA
10FA06	Station	621193	6951467	836.2	29/08/2010		-99			FJA
10FA07	Station	621276	6951437	834.1	29/08/2010		-99			FJA
10FA08	Station	620158	6951201	776.1	30/08/2010		-99			FJA
10FA09	Station	621265	6951460	841.3	30/08/2010		-99			FJA
10FA10	Station	621327	6951440	847.5	30/08/2010		-99			FJA
10FA11	Station	621609	6951350	856.4	30/08/2010		-99			FJA
10FA12	Station	621817	6951357	866.7	30/08/2010		-99			FJA
10FA13	Station	624091	6951421	1313.8	31/08/2010		-99			FJA
10FA14	Station	624288	6951432	1360.1	31/08/2010		-99			FJA

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Description	Recvd_Wt_kg
		braided channel of Rude Creek, 1m wide, 15cm deep, 3% grade;	
58623	silt	pans had black sand, no gold; bulk sample	5.88
58624	soil	Granite rocky coarse	0.26
58625	soil	Gritty; orange mottles; cg hb bi qz DIOR	0.26
58626	soil	No rock	0.3
58627	soil	Sandy, no rock	0.4
58628	soil	Granite; green mottles	0.44
58629	soil	Frost boil; felsenmeer cg to mg bi hb qz MONZ	0.4
58630	soil		0.48
58631	soil	Frost at depth; granite felsenmeer	0.4
58632	soil		0.32
58633	soil	Gritty; fs megacrystic granite	0.36
58634	soil		0.24
58635	soil	Gritty; fs megacrystic granite	0.42
58636	soil	Frost boil	0.28
58637	soil	Gritty; soil under talus of fs megacrystic granite	0.24
58638	soil		0.24
58639	soil	Silty under moss	0.2
58640	soil		0.26
58641	soil		0.14
58642	soil	Sandy	0.26
58643	soil		0.08
58644	soil	Gritty and sandy rubble of cg GRDR	0.3
58645	soil		0.3
58646	soil	Gritty and rocky	0.32
58647	soil		0.28
		Sandy to gritty rock shows chloritisation of mafics and accessory	
58648	soil	epidote	0.28
58649	soil		0.24
58650	soil	Sandy colluvium from talus under moss	0.22
58651	soil		0.28
58652	soil	Sandy	0.22
58653	soil		0.14
58654	soil	Sandy	0.24
58655	soil		0.12
58656	soil	Sandy	0.24
58657	soil		0.2
58658	soil	Silt under moss, some organics	0.16
58659	soil		0.16
58660	soil	cg Kspar granite	0.16
58661	soil		0.22
58662	soil	Grey mottles, sandy, mg Kspar GRDR	0.3
58663	soil		0.32
58664	soil	Gritty; fs megacrystic GRNT	0.28
58665	soil		0.32
58666	soil	Grey mottles in swampy ground	0.34
58667	soil		0.24
58668	soil	Sandy	0.36
58669	soil	Frozen at depth	0.32
58670	soil	Wet and gritty	0.38
58671	soil		0.18

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Description	Recvd_Wt_kg
58672	soil	Frozen silt	0.2
58673	soil	Frozen	0.26
58674	soil	Sandy	0.26
58675	soil		0.2
58676	soil	Sandy; moss over talus	0.18
58677	soil		0.42
58678	soil	Grey mottles, sandy	0.28
58679	soil		0.38
58680	soil	Brown mottles, wet and gritty	0.34
58681	soil	Frozen	0.3
58682	soil		0.32
58683	soil	Frozen	0.24
58684	soil	Gritty	0.3
58685	soil	Gritty	0.26
58686	soil	Frozen	0.3
58687	soil	Gritty	0.36
58688	soil	Frozen	0.24
58689	soil	Gritty	0.36
58690	soil	Frozen	0.18
58691	soil	Gritty	0.24
58692	soil	Frozen	0.18
58693	soil	Silt	0.2
58694	soil	Frozen	0.2
58695	soil	Micaceous sand	0.26
58696	soil		0.26
58697	soil	Rocky;cg qz GRNT	0.3
58698	soil		0.24
58699	soil	Sandy	0.22
58700	soil		0.2
58701	soil	Sandy	0.22
58702	soil		0.24
58703	soil	Rubbly; taken from trench	0.54
58704	soil	Scraped off bedrock	0.28
58705	soil	Sandy	0.24
58706	soil	Frozen	0.24
58707	soil	Sandy	0.38
58708	soil		0.4
58709	soil	Gritty	0.2
58710	soil		0.12
58711	soil	West end of trench	0.48
58712	soil	In middle of trench, rocky	0.46
58713	soil	East end of trench	0.34
58714	soil	Cat trail to trench	0.28
58715	soil	Silty	0.28
58716	soil		0.16
58717	soil	Silty	0.34
58718	soil		0.22
58719	soil	Silty	0.24
58720	soil		0.26
58721	soil	Silty	0.32
58722	soil	Coarse grained with silty clay	0.46

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Description	Recvd_Wt_kg
58723	soil	Sandy	0.26
58724	soil	Clay with silt	0.42
58725	soil	Wet, sandy	0.24
58726	soil	Silt with clay, some granular material	0.3
58727	soil	Silty	0.32
58728	soil	Wet, silty	0.3
58729	soil	Silt, good helicopter site	0.26
58730	soil	Silt with clay, some granular material	0.36
58731	soil	Deep moss, sandy, frozen	0.46
58732	soil	Silt with clay, some granular material	0.44
58733	soil	Deep moss, silty, frozen	0.2
58734	soil	Silt with clay, some granular material, frozen	0.3
58735	soil	Silt	0.24
58736	soil	Granular material with silt	0.3
58737	soil	Gritty and rocky	0.28
58738	soil	Granular material with silt	0.18
58739	soil	Granular material with silt	0.36
58740	soil	Sand	0.26
58741	soil	Silt with clay, some granular material	0.26
58742	soil	Gritty	0.34
58743	soil	Silt with clay, some granular material	0.34
58744	soil	Sandy	0.32
58745	soil	Granular material	0.22
58746	soil	Sandy	0.24
58747	soil	Silt with clay, some granular material	0.24
58748	soil	Micaceous talus at depth	0.24
58749	soil	Silt with clay, some granular material	0.28
58750	soil	Silty	0.28
58751	soil	Granular material with silt	0.3
58752	soil	Some organic	0.18
58753	soil	Silty	0.1
58754	soil	Lots of organic	0.2
58755	soil	Silty	0.16
58756	soil	Sandy	0.34
58757	soil	Clay with silt	0.38
58758	soil	Frost mound	0.28
58759	soil	Silt with granular material	0.28
58760	soil	Frost boil	0.2
58761	soil	Silt with granular material	0.26
58762	soil	Within talus	0.24
58763	soil	Silt with granular material	0.18
58764	soil	Sandy; cg fs megacrystic GRNT	0.18
58765	soil	Silt with granular material	0.2
58766	soil	Silty	0.22
58767	soil	Silt with granular material	0.26
58768	soil	Sandy	0.28
58769	soil	Granular material with silt	0.3
58770	soil	At break in slope with valley	0.22
58771	soil	Silt with clay, some granular material	0.32
58772	soil	Silty, some organics	0.18
58773	soil	Silt with granular material	0.32

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Description	Recvd_Wt_kg
58774	soil	Muddy, some organics	0.36
58775	soil	Granular material, silt with clay	0.32
58776	soil	Frozen	0.16
58777	soil	Silty with clay, granular material	0.3
58778	soil	Sandy	0.22
58779	soil	Granular material	0.26
58780	soil	Gritty;	0.26
58781	soil	Granular material	0.26
58782	soil	Sandy	0.3
58783	soil	Granular material	0.34
58784	soil	Gritty	0.34
58785	soil	Silty with clay, granular material	0.28
58786	soil	Gritty	0.36
58787	soil	Granular material with silt	0.38
58788	soil	Sandy	0.24
58789	soil	Granular material with silt	0.38
58790	soil	Sandy	0.3
58791	soil	Granular material with silt	0.4
58792	soil	Sandy	0.3
58793	soil	Silt with clay	0.24
58794	soil	Silty	0.32
58795	soil	Silty with clay, granular material, frozen	0.22
58796	soil	Gritty	0.34
58797	soil	Silt with clay	0.38
58798	soil	Sandy	0.24
58799	soil	Granular material	0.36
58800	soil	Sandy	0.14
58801	soil	Granular material	0.28
58802	soil	Gritty	0.26
58803	soil	Granular material	0.28
58804	soil	Sandy	0.28
58805	soil	Granular material	0.32
58806	soil	Sandy	0.3
58807	soil	Granular material	0.3
58808	soil	Sandy	0.26
58809	soil	Silt with granular material	0.24
58810	soil	Sandy	0.28
58811	soil	Silty with clay, some rock	0.28
58812	soil	Silty	0.22
58813	soil	Silty with granular material	0.26
58814	soil	Sandy	0.26
58815	soil	Silty with granular material	0.26
58816	soil	Gritty, north end of air strip	0.3
58817	soil	Granular	0.32
58818	soil	Gritty	0.24
58819	soil	Granular	0.32
58820	soil	Gritty	0.24
58821	soil	Granular	0.32
58822	soil	Sandy	0.36
58823	soil	Granular	0.26
58824	soil	Gritty	0.3

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Description	Recvd_Wt_kg
58825	soil	Granular material with silt	0.38
58826	soil	Gritty	0.28
58827	soil	Clay with silt, some granular material, frozen	0.46
58828	soil	Sandy: hb GRDR	0.24
58829	soil	cg hb GRDR	0.3
58830	soil	Silty; cg hb GRDR	0.22
58831	soil	Silty; cg hb GRDR	0.26
58832	soil	Silty; cg GRDR	0.28
58833	soil	Under talus; orthoclase altering to apple green clay	0.32
58834	soil	Talus and organics	0.16
58835	soil	cg hb qz MONZ	0.2
58836	soil	Silt under moss atop talus; cg bi GRDR	0.22
58837	soil	Frost boil	0.26
58838	soil	Chloritised mafics, feldspar is pale green	0.3
58839	soil	Frost boil	0.34
58840	soil	Gopher hole	0.3
58841	soil	Soil pocket in talus; cg GRNT	0.18
58842	soil	hb GRDR	0.38
58843	soil	Gritty	0.28
58844	soil	Gritty	0.28
58845	soil	Gritty	0.36
58846	soil	Gritty	0.44
58847	soil	Sandy	0.26
58848	silt	high water channel on Trombley Creek; ck is 1.4m wide, 20cm deep, 8% grade, fast flow; pans had minor black sand, no gold; middle of 1980 bulldozer trench in ripped channel; strongly wx'd grnt; mafics oxidised to Mn+Fe, bi altr'd to ms, kspar to green clay,	3.62
58849	rock	no sx, no qv-stn FA-03 atop knob; or-br, oxidised fg felsic grdr w chalky yw stained fs in dk br to or-br groundmass w 2-3% mt specks; bi to ms, trace py in	0.96
58850	rock	mafic clots; bxwrkd zones at fracture intersects atop knob; slickenside Mn+Fe grndmass hosts episodic fs+qz+py	0.66
58851	rock	vn; vnlets of py+bi throughout; actinolite present (sodic-potassic	1.6
58852	rock	atop knob; cg to mg hb grdr host rock generic to region near crest of knob on POKER 86; qz rich mg interlocked felsic grndmass; mafics altering to cl, bi filled frctures & interstitial punky	1.73
58853	rock	sx blebs-stn FA-04 o/c in Rude Ck; slickenside exposure on N bank; rusty felsic intrusive, some ms after bi; or+qz+ab, fg groundmass w very fine	1.22
58854	rock	pits(ex py)-stn FA-08 float at upper end of Rude canyon; interlocked grndmass of green fs+qz cut by episodic qz+cc stwk w narrow ep+cl selvages;	1.39
58855	rock	chloritised mafic clots partly replaced by granular masses of irridescant py; 3% py disseminated in grndmass-stn FA-09;	1.36
58856	rock	float upstream of Rude canyon; cobble of tourmaline-cemented felsic cobble hydrothermal breccia-stn FA-11	0.7
58857	rock	wall rock hosting fault in Rude Ck; cream coloured bleached cg felsic granite showing minor ms alteration-stn FA-12	0.92
58858	rock	8cm wide clay filled gouge zone in fault; gy/br sandy material w rock frags showing fg skeletal network of qz+cc; looks like decomposed sulfide-stn FA12	1.32

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Description	Recvd_Wt_kg
58859	rock	off claims; talsu boudler field; some boulders hosting py patches & cm scale oxidised py veins; rock is cg orthoclase megacrystic syenogranite-stn FA-14	1.01
58860	rock	vein float within Rude canyon; pale yw coloured feldspathic grndmass w rusty qz vnlets;	0.41
58861	rock	vein float from upper end of rude canyon; mm & cm scale qz+or (adularia?) veining in a feldspathic grndmass; isolated float start getting saussitorised feldspar in an interlocked fs+qz	0.76
10FA01	Station	grndmass; hb wkly chloritised E-W trending 10m long lower trench; appears hand dug w 10cm diameter spruce growing on mullock; trench bottom highly weathered granular material; excavate in three spots to get friable	
10FA02	Station	bedrock of cg magnetite-bearing hb monzogranite E-W trending 60m long upper trench excavated by D9 dozer in 1980 w western 25m ripped; highly weathered mg qz-phyric orthoclase megacrystic bi syenogranite; ripped part has dykes in trench walls-grey aphanitic plag rich and pink fine grained aplite; soil	
10FA03	Station	& rock sample collected at this site cresting knob on POKER 86 have rusty patches within a mg qz rich equigranular granodiorite; epidote veinlets & leached pitted	
10FA04	Station	fractures; sample collected plag+chlorite porphyry dyke in outcrop; cuts cg equigranular	
10FA05	Station	interlocked grndmass of fs+qz+hb; no orientation among workings of Rude Ck have large cg granite boulders w	
10FA06	Station	sheeted magnetite veins to 1.5cm width	
10FA07	Station	50m long canyon with 25m shear zone cutting across creek rusty, highly weathered granite outcrop in Rude Ck; slickenside	
10FA08	Station	077/69S start of banded qz+calcite veined, green altered feldspar rich	
10FA09	Station	intrusive in placer workings; 3% pyrite, tarnished iridescent; ms rusty, green altered, pyritic fs granite in outcrop, similar to veined	
10FA10	Station	material; no veining seen; slickenside surfaces on scree pieces	
10FA11	Station	isolated float piece of tourmaline cemented cobble breccia Mn+FeOx stained & altered granite outcrop in Rude Ck hosting an 8cm wide shallow dipping fault; core of fault is grey quartz material w sandy greyish brown (decomposed sulfide?) matrix; structure	
10FA12	Station	trends 060/26S	
10FA13	Station	Claim posts #1 EIO 11 & #1 YC14003 talus field on steep slope of pyritic granite; patches & veins of rusty	
10FA14	Station	py plus interstitial py; equigranular mg interlocked fs+qz grndmass	

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Au_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm	B_ppm	Ba_ppm	Be_ppm
58623	silt	0.08	0.19	1.55	13.2	<0.2	<10	130	0.65
58624	soil	0.028	0.07	1.48	7.1	<0.2	<10	120	0.27
58625	soil	0	0.04	2.22	7.8	<0.2	<10	160	0.43
58626	soil	0	0.07	2.51	5.9	<0.2	<10	220	0.58
58627	soil	0	0.08	2.16	5.5	<0.2	<10	200	0.63
58628	soil	0.007	0.07	1.73	1.7	<0.2	<10	160	0.56
58629	soil	0	0.11	2.41	7.2	<0.2	<10	200	0.56
58630	soil	0.006	0.09	2.56	5.9	<0.2	<10	180	0.58
58631	soil	0	0.04	2.15	5.7	<0.2	<10	150	0.49
58632	soil	0	0.09	2.42	4.7	<0.2	<10	150	0.63
58633	soil	0	0.04	1.72	4.9	<0.2	<10	130	0.4
58634	soil	0	0.07	1.91	7	<0.2	<10	110	0.45
58635	soil	0.006	0.06	2.09	6.9	<0.2	<10	130	0.38
58636	soil	0	0.06	2.59	7.3	<0.2	<10	140	0.69
58637	soil	0	0.08	2.13	7.7	<0.2	<10	130	0.49
58638	soil	0	0.06	1.26	10.4	<0.2	<10	80	0.21
58639	soil	0	0.22	2.3	9	<0.2	<10	240	0.58
58640	soil	0	0.17	1.93	8.9	<0.2	<10	170	0.33
58641	soil	0	0.23	1.47	6.2	<0.2	<10	270	0.41
58642	soil	0.006	0.14	2.38	10.3	<0.2	<10	160	0.49
58643	soil	0.008	0.46	2.18	8.4	<0.2	<10	290	0.64
58644	soil	0.007	0.17	2.66	9.6	<0.2	<10	220	0.52
58645	soil	0.006	0.13	2.3	9.9	<0.2	<10	190	0.43
58646	soil	0	0.09	2.12	9.3	<0.2	<10	170	0.46
58647	soil	0.007	0.14	1.72	11.5	<0.2	<10	140	0.34
58648	soil	0.005	0.1	2.62	17.3	<0.2	<10	150	0.66
58649	soil	0	0.07	2.54	12.4	<0.2	<10	140	0.6
58650	soil	0	0.1	2.1	21.9	<0.2	<10	140	0.5
58651	soil	0.011	0.12	2.05	11.5	<0.2	<10	180	0.55
58652	soil	0.033	0.08	2.33	11.7	<0.2	<10	110	0.5
58653	soil	0.01	0.33	1.12	5.5	<0.2	<10	110	0.25
58654	soil	0.054	0.15	1.64	7.6	<0.2	<10	150	0.43
58655	soil	0	0.27	1.26	7.6	<0.2	<10	160	0.29
58656	soil	0.008	0.2	1.54	5.5	<0.2	<10	170	0.32
58657	soil	0.006	0.1	1.56	5	<0.2	<10	160	0.27
58658	soil	0	0.36	2.24	6.6	<0.2	<10	180	0.68
58659	soil	0	0.13	1.65	6.8	<0.2	<10	110	0.34
58660	soil	0	0.17	2.35	9.5	<0.2	<10	150	0.49
58661	soil	0	0.14	1.34	5	<0.2	<10	140	0.28
58662	soil	0	0.04	2.55	5.3	<0.2	<10	170	0.6
58663	soil	0.006	0.05	2.15	4.2	<0.2	<10	170	0.5
58664	soil	0	0.04	2.51	6.5	<0.2	<10	200	0.63
58665	soil	0	0.07	2.26	7.4	<0.2	<10	110	0.46
58666	soil	0	0.09	2.25	11.3	<0.2	<10	190	0.44
58667	soil	0	0.12	2.07	4.8	<0.2	<10	180	0.44
58668	soil	0	0.06	2.19	5.9	<0.2	<10	230	0.52
58669	soil	0	0.08	2.18	2.4	<0.2	<10	190	0.4
58670	soil	0	0.09	2.21	5.2	<0.2	<10	230	0.46
58671	soil	0	0.17	1.89	1.9	<0.2	<10	290	0.38

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Au_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm	B_ppm	Ba_ppm	Be_ppm
58672	soil	0	0.17	1.98	5.1	<0.2	<10	280	0.33
58673	soil	0.01	0.07	1.92	4.2	<0.2	<10	180	0.28
58674	soil	0	0.08	2.43	6.5	<0.2	<10	200	0.56
58675	soil	0	0.11	1.52	5.8	<0.2	<10	120	0.31
58676	soil	0	0.12	1.42	13.1	<0.2	<10	80	0.26
58677	soil	0.007	0.22	2.16	15.8	<0.2	<10	220	0.63
58678	soil	0.009	0.75	2.51	57.7	<0.2	<10	260	0.67
58679	soil	0.006	0.61	2.46	49.6	<0.2	<10	180	0.64
58680	soil	0.008	0.35	2.37	15.8	<0.2	<10	230	0.64
58681	soil	0	0.11	2.13	4.6	<0.2	<10	180	0.41
58682	soil	0	0.06	2.33	12.8	<0.2	<10	210	0.48
58683	soil	0.006	0.3	2.56	13	<0.2	<10	300	0.66
58684	soil	0	0.12	2.08	7.5	<0.2	<10	210	0.68
58685	soil	0	0.13	2.19	9.7	<0.2	<10	200	0.69
58686	soil	0.106	0.26	2.43	9.5	<0.2	<10	270	0.8
58687	soil	0	0.08	2.01	6.9	<0.2	<10	200	0.65
58688	soil	0	0.24	2.34	7.6	<0.2	<10	260	0.82
58689	soil	0	0.11	2.32	9	<0.2	<10	210	0.51
58690	soil	0	0.18	2.31	5.7	<0.2	<10	180	0.44
58691	soil	0	0.11	1.77	6.1	<0.2	<10	170	0.51
58692	soil	0	0.15	2.21	8.4	<0.2	<10	200	0.42
58693	soil	0	0.13	2.2	6.9	<0.2	<10	170	0.44
58694	soil	0	0.16	2.03	5.2	<0.2	<10	190	0.41
58695	soil	0	0.24	2.51	6.6	<0.2	<10	220	0.62
58696	soil	0	0.12	2.25	8	<0.2	<10	180	0.43
58697	soil	0	0.05	2.15	6.9	<0.2	<10	170	0.45
58698	soil	0	0.1	2.02	6.2	<0.2	<10	200	0.41
58699	soil	0.005	0.19	2.37	9.5	<0.2	<10	200	0.48
58700	soil	0	0.07	1.7	7.5	<0.2	<10	90	0.26
58701	soil	0	0.03	2.31	6.7	<0.2	<10	140	0.52
58702	soil	0	0.05	2.4	4.8	<0.2	<10	100	0.85
58703	soil	0	0.01	2.34	2.9	<0.2	<10	380	0.67
58704	soil	0	0.06	3.24	11.3	<0.2	<10	130	0.65
58705	soil	0	0.05	2.79	7.7	<0.2	<10	200	0.72
58706	soil	0	0.07	2.2	5.2	<0.2	<10	190	0.4
58707	soil	0	0.14	2.66	8.1	<0.2	<10	260	0.76
58708	soil	0	0.08	2.15	5.1	<0.2	<10	210	0.55
58709	soil	0	0.05	2.25	8.4	<0.2	<10	200	0.58
58710	soil	0	0.09	0.94	3.4	<0.2	<10	70	0.19
58711	soil	0	0.11	1.6	7.4	<0.2	<10	220	1.21
58712	soil	0	0.15	0.76	6.4	<0.2	<10	180	2.63
58713	soil	0	0.06	2.04	7.6	<0.2	<10	190	0.87
58714	soil	0	0.07	1.97	8.3	<0.2	<10	160	0.3
58715	soil	0	0.08	2.74	9.7	<0.2	<10	170	0.6
58716	soil	0.005	0.09	2.63	10.8	<0.2	<10	190	0.75
58717	soil	0.01	0.06	2.56	8.3	<0.2	<10	150	0.54
58718	soil	0	0.07	1.81	7.6	<0.2	<10	110	0.42
58719	soil	0	0.09	2.42	9.2	<0.2	<10	150	0.66
58720	soil	0	0.08	2.95	10.3	<0.2	<10	110	0.68
58721	soil	0	0.05	2.28	7.8	<0.2	<10	120	0.51
58722	soil	0	0.28	2.6	10.6	<0.2	<10	230	0.77

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Au_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm	B_ppm	Ba_ppm	Be_ppm
58723	soil	0	4.46	2.29	9	<0.2	<10	170	0.35
58724	soil	0	0.16	2.63	8.8	<0.2	<10	270	0.51
58725	soil	0	0.07	2.46	12.6	<0.2	<10	150	0.36
58726	soil	0	0.04	2.21	7.7	<0.2	<10	170	0.52
58727	soil	0	0.07	2.7	10.9	<0.2	<10	230	0.65
58728	soil	0	0.07	2.75	8.4	<0.2	<10	150	0.5
58729	soil	0	0.05	2.76	12.4	<0.2	<10	120	0.56
58730	soil	0.006	0.08	2.7	9.4	<0.2	<10	210	0.56
58731	soil	0	0.11	2.52	14.6	<0.2	<10	220	0.88
58732	soil	0	0.15	2.64	11.4	<0.2	<10	250	0.76
58733	soil	0	0.12	2.39	15	<0.2	<10	230	0.48
58734	soil	0.007	0.13	2.17	13.8	<0.2	<10	270	0.48
58735	soil	0	0.21	2.63	11.4	<0.2	<10	250	0.75
58736	soil	0	0.26	2.3	11.2	<0.2	<10	250	0.72
58737	soil	0.005	0.08	2.12	10	<0.2	<10	200	0.67
58738	soil	0	0.29	2.6	11.1	<0.2	<10	270	0.89
58739	soil	0	0.44	2.63	16.4	<0.2	<10	180	0.61
58740	soil	0.006	0.34	2.26	20.6	<0.2	<10	120	0.98
58741	soil	0.006	1.13	2.43	15.5	<0.2	<10	250	0.83
58742	soil	0.008	0.82	2.21	14	<0.2	<10	280	0.77
58743	soil	0.014	0.75	2.7	16.7	<0.2	<10	190	1.14
58744	soil	0	0.39	2.73	11.1	<0.2	<10	130	0.8
58745	soil	0	0.12	3.03	13.5	<0.2	<10	110	0.71
58746	soil	0	0.15	2.79	12.4	<0.2	<10	140	0.69
58747	soil	0	0.12	2.29	11.2	<0.2	<10	160	0.56
58748	soil	0.012	0.39	2.26	16.4	<0.2	<10	160	0.69
58749	soil	0.024	0.29	2.54	9.9	<0.2	<10	170	0.5
58750	soil	0.005	0.24	2.38	9	<0.2	<10	160	0.55
58751	soil	0.008	0.22	2.11	7.2	<0.2	<10	160	0.48
58752	soil	0	0.37	1.86	9.6	<0.2	<10	160	0.48
58753	soil	0	0.26	3.12	11	<0.2	<10	100	0.56
58754	soil	0	0.47	1.62	10.6	<0.2	<10	80	0.4
58755	soil	0.008	0.58	2.55	8.8	<0.2	<10	140	0.71
58756	soil	0.019	0.47	2.56	8.8	<0.2	<10	160	0.51
58757	soil	0.018	0.23	2.29	8.6	<0.2	<10	170	0.49
58758	soil	0.012	0.17	2.84	12.6	<0.2	<10	160	0.82
58759	soil	0.031	0.07	2.53	10.4	<0.2	<10	110	0.69
58760	soil	0	0.1	2.34	12.4	<0.2	<10	80	0.39
58761	soil	0	0.12	3.68	12.7	<0.2	<10	110	0.65
58762	soil	0.021	0.24	1.77	15	<0.2	<10	200	0.3
58763	soil	0	0.44	1	6.3	<0.2	<10	70	0.26
58764	soil	0.016	0.39	1.71	16.1	<0.2	<10	140	0.31
58765	soil	0	0.29	1.66	12.3	<0.2	<10	130	0.33
58766	soil	0	0.37	2.41	11.3	<0.2	<10	150	0.5
58767	soil	0	0.46	2.27	9.1	<0.2	<10	180	0.5
58768	soil	0	0.28	2.66	9.6	<0.2	<10	240	0.61
58769	soil	0	0.16	3.31	12	<0.2	<10	180	0.72
58770	soil	0	0.21	2.18	12.8	<0.2	<10	170	0.4
58771	soil	0	0.07	2.7	10.7	<0.2	<10	220	0.44
58772	soil	0.024	0.05	1.78	8.1	<0.2	<10	80	0.21
58773	soil	0	0.21	1.89	13.1	<0.2	<10	150	0.53

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Au_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm	B_ppm	Ba_ppm	Be_ppm
58774	soil	0	0.12	2.04	8.9	<0.2	<10	160	0.37
58775	soil	0	0.12	2.69	13.5	<0.2	<10	210	0.55
58776	soil	0	0.21	2.96	11.6	<0.2	<10	200	0.49
58777	soil	0	0.08	1.95	9.6	<0.2	<10	150	0.44
58778	soil	0.006	0.61	2.99	30.9	<0.2	<10	240	1.07
58779	soil	0	0.13	1.95	10.9	<0.2	<10	140	0.44
58780	soil	0	0.29	2.22	8.7	<0.2	<10	210	0.69
58781	soil	0	0.29	2.12	5.8	<0.2	<10	220	0.58
58782	soil	0	0.42	2.01	6.4	<0.2	<10	270	0.63
58783	soil	0	0.24	2.34	6.9	<0.2	<10	240	0.62
58784	soil	0	0.31	2	8.1	<0.2	<10	240	0.69
58785	soil	0	0.6	2.07	5.5	<0.2	<10	370	0.9
58786	soil	0	0.17	2.25	6.4	<0.2	<10	280	0.56
58787	soil	0	0.13	2.22	6.2	<0.2	<10	330	0.62
58788	soil	0	0.16	2.17	5.5	<0.2	<10	320	0.49
58789	soil	0	0.13	2.2	5.6	<0.2	<10	290	0.47
58790	soil	0	0.22	1.72	7.2	<0.2	<10	250	0.44
58791	soil	0	0.2	2.24	5.3	<0.2	<10	360	0.58
58792	soil	0	0.29	2.03	5.3	<0.2	<10	290	0.52
58793	soil	0	0.2	1.82	7	<0.2	<10	380	0.45
58794	soil	0	0.14	2.13	6.2	<0.2	<10	310	0.49
58795	soil	0	0.17	1.81	7.2	<0.2	<10	350	0.5
58796	soil	0	0.11	2.66	5.6	<0.2	<10	330	0.57
58797	soil	0	0.13	2.03	6.8	<0.2	<10	380	0.6
58798	soil	0	0.2	2.35	16.6	<0.2	<10	310	0.57
58799	soil	0	0.34	2.53	31.5	<0.2	<10	350	0.71
58800	soil	0	1.82	1.74	27.5	<0.2	<10	340	0.75
58801	soil	0	0.5	1.63	5.1	<0.2	<10	520	1
58802	soil	0	0.3	2.26	4.4	<0.2	<10	300	0.6
58803	soil	0	0.27	1.5	4.3	<0.2	<10	540	0.41
58804	soil	0	0.05	1.87	7.4	<0.2	<10	300	0.92
58805	soil	0	0.24	1.69	7.7	<0.2	<10	360	0.63
58806	soil	0	0.08	2.38	7.9	<0.2	<10	270	0.61
58807	soil	0	0.13	2.64	9.5	<0.2	<10	250	0.53
58808	soil	0	0.19	2.76	9.9	<0.2	<10	170	0.6
58809	soil	0	0.14	2.67	10.3	<0.2	<10	190	0.54
58810	soil	0	0.06	2.82	7.7	<0.2	<10	360	0.94
58811	soil	0	0.06	2.82	7.5	<0.2	<10	160	0.48
58812	soil	0	0.06	3.03	10	<0.2	<10	190	0.59
58813	soil	0	0.1	2.29	7.8	<0.2	<10	230	0.54
58814	soil	0	0.33	2.41	8.8	<0.2	<10	230	0.52
58815	soil	0.007	0.16	2.61	8.7	<0.2	<10	320	0.62
58816	soil	0	0.2	2.31	7.2	<0.2	<10	170	0.52
58817	soil	0	0.21	2.15	8.1	<0.2	<10	400	0.7
58818	soil	0	0.39	1.61	6.8	<0.2	<10	1240	0.86
58819	soil	0	0.06	2.19	5.6	<0.2	<10	310	0.54
58820	soil	0	0.1	1.73	7	<0.2	<10	300	0.85
58821	soil	0	0.17	2.86	6.5	<0.2	<10	360	0.63
58822	soil	0	0.09	1.38	7.7	<0.2	<10	520	0.9
58823	soil	0	0.06	1.86	7.9	<0.2	<10	200	0.77
58824	soil	0	0.48	1.5	4.5	<0.2	<10	380	1.09

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Au_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm	B_ppm	Ba_ppm	Be_ppm
58825	soil	0	0.12	2.71	8.1	<0.2	<10	270	0.77
58826	soil	0	0.16	2.5	10.9	<0.2	<10	300	0.52
58827	soil	0	0.13	1.95	8.9	<0.2	<10	520	0.64
58828	soil	0	0.06	2.23	13.5	<0.2	<10	160	0.53
58829	soil	0	0.09	2.97	20.4	<0.2	<10	130	0.71
58830	soil	0.006	0.06	3.94	17.2	<0.2	<10	180	1.29
58831	soil	0	0.15	2.6	9.6	<0.2	<10	90	0.71
58832	soil	0.006	0.08	2.49	11.8	<0.2	<10	130	0.56
58833	soil	0	0.12	2.1	11.8	<0.2	<10	100	0.53
58834	soil	0.006	0.16	1.36	15.2	<0.2	<10	60	0.25
58835	soil	0.005	0.12	2.53	14.3	<0.2	<10	120	0.84
58836	soil	0.005	0.12	0.9	10.4	<0.2	<10	50	0.15
58837	soil	0	0.12	2.54	14.3	<0.2	<10	60	0.56
58838	soil	0	0.08	2.37	12.7	<0.2	<10	110	0.86
58839	soil	0.006	0.11	2.7	25	<0.2	<10	100	0.69
58840	soil	0.012	0.23	2.74	46	<0.2	<10	100	0.88
58841	soil	0	0.44	2.49	11.9	<0.2	<10	190	0.89
58842	soil	0.005	0.15	2.6	9.2	<0.2	<10	200	0.86
58843	soil	0	0.2	2.66	6.3	<0.2	<10	210	0.67
58844	soil	0.006	0.13	2.8	9.8	<0.2	<10	170	0.74
58845	soil	0	0.11	3.26	10.2	<0.2	<10	170	0.94
58846	soil	0.005	0.1	2.36	14.7	<0.2	<10	180	0.7
58847	soil	0	0.15	2.2	15.3	<0.2	<10	120	0.46
58848	silt	3.16	0.18	1.72	19.3	<0.2	<10	160	0.57
58849	rock	0	0.04	0.95	2.4	<0.2	<10	170	0.81
58850	rock	0.009	0.27	0.93	7.4	<0.2	<10	110	0.36
58851	rock	0.058	0.35	1.44	105.5	<0.2	<10	90	0.41
58852	rock	0	0.07	1.39	5.9	<0.2	<10	70	0.33
58853	rock	0.008	0.25	1.07	47.8	<0.2	<10	80	0.19
58854	rock	0	0.08	0.61	6.5	<0.2	<10	100	0.54
58855	rock	0.031	0.08	0.54	93.8	<0.2	<10	160	0.42
58856	rock	0.011	0.28	0.16	11.1	0.2	60	120	0.28
58857	rock	0.008	9.68	0.46	21.2	<0.2	<10	100	0.39
58858	rock	0.38	1780	0.58	10000	0.9	<10	90	0.93

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Au_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm	B_ppm	Ba_ppm	Be_ppm
58859	rock	0.101	2.03	1.34	188.5	<0.2	<10	70	0.49
58860	rock	0	0.38	0.4	10.2	<0.2	<10	80	0.48
58861	rock	0	0.54	0.34	11	<0.2	<10	190	0.94
10FA01	Station								
10FA02	Station								
10FA03	Station								
10FA04	Station								
10FA05	Station								
10FA06	Station								
10FA07	Station								
10FA08	Station								
10FA09	Station								
10FA10	Station								
10FA11	Station								
10FA12	Station								
10FA13	Station								
10FA14	Station								

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
58623	silt	0.62	0.55	0.6	33.4	8.3	18	4.79	49.2
58624	soil	0.33	0.31	0.12	18.25	6.9	24	1.43	14.8
58625	soil	0.23	0.49	0.09	21.9	10	32	1.89	12.7
58626	soil	0.27	0.36	0.09	25.9	9.3	33	2.87	15.9
58627	soil	0.31	0.5	0.28	43.8	11.5	26	3.36	13.3
58628	soil	0.19	0.4	0.4	44.4	7.6	23	3.06	13.4
58629	soil	0.22	0.55	0.14	46.1	11.5	37	2.55	21.3
58630	soil	0.33	0.44	0.12	32.7	9.7	36	3.49	16.3
58631	soil	0.3	0.39	0.11	40.2	10	31	2.9	13.6
58632	soil	0.22	0.52	0.15	45.6	8.4	32	3.28	12.7
58633	soil	0.15	0.43	0.14	31.3	8.6	23	2.58	10.3
58634	soil	0.18	0.31	0.23	29.8	9.5	28	1.79	19.2
58635	soil	0.2	0.36	0.1	24.7	11.4	33	1.86	14.3
58636	soil	0.29	0.29	0.13	40.3	10.8	35	2.45	24.1
58637	soil	0.25	0.35	0.12	28.9	9.5	30	2.94	18.9
58638	soil	0.36	0.16	0.19	18.05	5.9	27	1.16	15
58639	soil	0.34	0.59	0.08	42.7	17.9	30	3.13	18.4
58640	soil	0.36	0.43	0.19	21.5	8.2	32	3.01	18.2
58641	soil	0.37	0.47	0.14	22.1	6.9	24	3.38	15.4
58642	soil	0.55	0.4	0.12	24.1	10.3	32	5.7	15.9
58643	soil	0.69	0.94	0.21	39.2	9.2	32	3.15	23.2
58644	soil	0.85	0.38	0.17	39.5	11.2	39	3.43	23.3
58645	soil	0.53	0.39	0.16	35.4	12.3	35	2.8	18.2
58646	soil	0.44	0.39	0.13	36.9	10.6	37	2.79	20.5
58647	soil	0.72	0.44	0.24	25.2	9.6	28	2.72	18.2
58648	soil	0.94	0.19	0.32	38.3	15.9	33	4.02	23.6
58649	soil	5.39	0.31	0.22	26.1	12.1	33	2.83	20.9
58650	soil	1.34	0.28	0.29	25.8	12.9	41	5.45	17.4
58651	soil	0.65	0.43	0.2	39.5	10.8	30	5.05	18
58652	soil	0.49	0.3	0.22	26.5	12.8	33	5.46	14.9
58653	soil	0.55	0.35	0.31	20.7	4.4	20	2.45	12.2
58654	soil	0.24	0.56	0.18	38.3	8.3	21	4.38	10.5
58655	soil	0.58	0.41	0.77	22.6	5.7	21	2.46	15.2
58656	soil	0.26	0.57	0.48	25	7.9	25	2.92	17.2
58657	soil	0.21	0.46	0.22	21.7	9.1	25	2.73	14.8
58658	soil	0.28	0.51	0.2	44.4	9.6	30	3.55	22.3
58659	soil	0.24	0.26	0.37	23.5	7.5	25	1.64	16.1
58660	soil	0.31	0.32	0.77	20.4	10.7	32	4.2	18.2
58661	soil	0.18	0.32	0.2	20.9	5.5	23	2.01	14.1
58662	soil	0.19	0.34	0.13	40.4	10.4	32	3.75	21.4
58663	soil	0.54	0.42	0.14	42.8	9.2	34	2.87	20.3
58664	soil	0.52	0.31	0.15	54.1	11.9	30	3.58	15.8
58665	soil	0.24	0.28	0.11	30.4	10.2	32	2.14	22.1
58666	soil	0.23	0.41	0.15	43.1	10.2	40	1.6	23.2
58667	soil	0.31	0.33	0.19	39.7	11.1	31	2.51	16.4
58668	soil	0.26	0.4	0.13	30.8	10.6	27	3.89	14.9
58669	soil	0.24	0.43	0.15	29	10.4	31	2.79	14.6
58670	soil	0.26	0.48	0.11	37	9.3	29	4.43	11.1
58671	soil	0.21	0.55	0.21	32	9.5	29	2.47	11.7

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
58672	soil	0.24	0.59	0.17	25.6	13.2	29	3.96	10.8
58673	soil	0.23	0.37	0.09	18.7	8.1	30	2.48	9.5
58674	soil	0.16	0.39	0.14	34	11.3	37	1.54	19.4
58675	soil	0.18	0.17	0.12	21.4	5.2	24	2.04	14.4
58676	soil	0.3	0.12	0.16	19.9	5.1	22	2.02	10
58677	soil	0.19	0.44	0.23	40.6	10.4	35	2.69	22
58678	soil	0.21	0.54	0.56	54.2	12.1	38	1.75	22.8
58679	soil	0.36	0.5	0.4	56.2	10.8	35	2.14	18.7
58680	soil	0.28	0.53	0.46	59.3	11.6	38	1.96	27.5
58681	soil	0.16	0.5	0.22	28.7	13.2	32	1.41	11.1
58682	soil	0.2	0.43	0.24	32.5	12.8	33	2.22	14.3
58683	soil	0.26	0.52	0.36	38	15.4	35	3.34	20.1
58684	soil	0.17	0.51	0.2	39	9	22	3.51	12.3
58685	soil	0.5	0.48	0.19	35.9	9.3	28	3.4	17
58686	soil	0.53	0.64	0.31	57	15	27	3.96	16.1
58687	soil	0.55	0.52	0.2	41.7	9	25	4.08	13.6
58688	soil	0.49	0.78	0.18	52.2	10.6	27	2.57	17.8
58689	soil	0.31	0.35	0.24	35.7	12.6	27	2.95	14.1
58690	soil	0.43	0.28	0.2	34.8	8.9	29	3.64	13.7
58691	soil	0.21	0.24	0.15	43.1	9.9	20	2.53	12.4
58692	soil	0.43	0.28	0.19	37.3	14.5	26	3.06	12.5
58693	soil	0.27	0.3	0.19	35.7	9.7	24	3.42	10.8
58694	soil	0.35	0.34	0.16	46.9	8.4	21	5.2	11.7
58695	soil	0.26	0.49	0.2	45.3	10.3	31	5.81	14.4
58696	soil	0.18	0.43	0.17	37.4	11	29	3.81	12.5
58697	soil	0.24	0.38	0.17	32	12.9	27	4.3	10.1
58698	soil	0.25	0.36	0.17	34.9	10.7	27	3.15	13.4
58699	soil	0.22	0.29	0.17	35.6	10.7	30	4.12	15.4
58700	soil	0.19	0.25	0.12	22.4	7	28	2.76	10.5
58701	soil	0.16	0.31	0.09	37.1	10.4	27	3.31	14.9
58702	soil	0.15	0.17	0.1	61.3	7.6	9	4.02	10.6
58703	soil	0.09	0.42	0.07	85.2	11.2	12	7.29	6.7
58704	soil	0.19	0.16	0.11	34.3	11.8	42	2.62	18.7
58705	soil	0.13	0.26	0.1	45.7	11.7	30	2.36	17.8
58706	soil	0.26	0.36	0.14	34.1	9.4	26	2.24	12.1
58707	soil	0.28	0.39	0.16	59.9	11.1	32	3.32	19.4
58708	soil	0.19	0.38	0.1	44.1	10	28	2.83	17.1
58709	soil	0.19	0.24	0.18	24.3	9.8	29	5.73	11.5
58710	soil	0.21	0.11	0.09	20.5	2	15	1.61	13
58711	soil	0.39	0.42	0.22	57.5	13.9	20	4.29	15.2
58712	soil	0.32	0.4	0.45	58.7	16.4	7	4.92	11.9
58713	soil	0.21	0.28	0.24	62.2	10	22	3.56	14.9
58714	soil	0.23	0.3	0.07	23.4	8.8	26	3.17	9.6
58715	soil	0.19	0.33	0.14	32.6	12.6	34	2.27	21.5
58716	soil	0.32	0.15	0.12	35.4	8.4	32	3.5	24.1
58717	soil	0.2	0.33	0.14	34.2	10.3	34	2.75	19
58718	soil	0.25	0.22	0.16	22.5	4.8	25	1.76	14.3
58719	soil	0.27	0.25	0.24	26.5	7.7	31	2.35	19.2
58720	soil	0.2	0.18	0.25	28.7	11	28	3.44	15.3
58721	soil	0.17	0.26	0.14	24.4	9.1	30	1.95	15
58722	soil	0.23	0.48	0.5	60.9	12.8	35	3.99	25.2

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
58723	soil	0.19	0.4	0.66	22.7	7.5	33	3.33	14.8
58724	soil	0.23	0.52	0.18	35.8	10	40	2.03	25.5
58725	soil	0.21	0.37	0.15	22.6	10.3	33	2.18	15.1
58726	soil	0.21	0.37	0.17	33.8	11.2	31	2.61	19.5
58727	soil	0.18	0.41	0.12	45.8	12.8	38	2.46	27.5
58728	soil	0.17	0.33	0.13	26.3	10.2	36	2.88	20.6
58729	soil	0.19	0.2	0.16	25.4	13	37	2.58	19.9
58730	soil	0.25	0.43	0.14	33.3	11.8	33	2.81	17.3
58731	soil	0.23	0.55	0.17	65	12.3	28	3.42	17.3
58732	soil	0.29	0.45	0.21	60.3	11.6	34	2.87	19.9
58733	soil	0.23	0.43	0.21	29.4	10.2	33	2.46	15.7
58734	soil	0.23	0.49	0.27	28.4	12.4	32	2.28	19.4
58735	soil	0.25	0.5	0.22	37.1	12.8	34	3.87	20.4
58736	soil	0.41	0.55	0.27	47.8	11.8	30	3.95	18.1
58737	soil	0.45	0.52	0.2	47.9	12.1	27	4.96	14.1
58738	soil	0.49	0.56	0.3	60.9	10.4	31	3.75	21.7
58739	soil	1.77	0.44	0.21	24.6	9.4	30	5.43	66.6
58740	soil	1.88	0.4	0.23	30.3	16	28	5.71	214
58741	soil	1.99	0.51	0.21	35.3	17.5	28	5.67	387
58742	soil	2.35	0.45	0.26	35.8	12.1	21	4.57	262
58743	soil	2.48	0.26	0.23	44.5	22.6	24	4.97	253
58744	soil	1.54	0.23	0.12	24.4	8	31	5.29	98.6
58745	soil	0.69	0.27	0.15	23.9	7.2	26	5.72	26.9
58746	soil	1.55	0.36	0.19	27.6	16.5	32	3.31	44.2
58747	soil	0.64	0.38	0.19	25.8	9.3	32	2.41	43.8
58748	soil	0.94	0.32	0.18	26.7	8.4	27	4.61	34.2
58749	soil	1.72	0.36	0.24	23.4	9.2	33	3.07	26.4
58750	soil	1.55	0.62	0.12	33.6	7	21	3.83	17.1
58751	soil	1.21	0.47	0.11	37.3	7.2	22	3.27	22
58752	soil	1.23	0.22	0.2	23.3	6.3	20	3.54	26.9
58753	soil	1.1	0.13	0.13	34.5	6.6	35	2.88	24.2
58754	soil	0.99	0.14	0.45	14.6	5.4	25	3.05	19.4
58755	soil	1.47	0.37	0.16	24.5	6.7	28	8.76	26.1
58756	soil	1.11	0.35	0.13	21.7	9.5	28	5.44	16.8
58757	soil	0.99	0.39	0.25	28.3	9.8	28	4.42	21.3
58758	soil	0.57	0.39	0.16	30.6	13.9	34	3.78	25.9
58759	soil	0.51	0.42	0.18	26.4	17.6	32	3.32	22.6
58760	soil	0.25	0.18	0.15	16.1	7.2	33	1.8	14.8
58761	soil	0.19	0.19	0.21	25.9	15.9	41	2.8	19.2
58762	soil	2	0.41	0.22	16.6	9.2	22	5.69	14.9
58763	soil	1.04	0.17	0.2	18.9	5	16	2.7	14.6
58764	soil	0.44	0.33	0.31	24.2	8.4	27	5.6	16.7
58765	soil	0.28	0.32	0.61	24.1	7.3	25	3.01	18.5
58766	soil	0.28	0.32	0.1	31.4	9.5	31	4.59	18.1
58767	soil	0.25	0.32	0.35	52.3	10.8	28	4.97	20.5
58768	soil	0.26	0.31	0.13	32	11.4	32	5.81	16.7
58769	soil	0.25	0.35	0.1	34.5	11.9	34	9.12	16.2
58770	soil	0.62	0.51	0.34	26.2	9.2	22	8.79	27.6
58771	soil	0.24	0.42	0.12	29.9	9.4	32	5.8	16.1
58772	soil	0.36	0.21	0.15	18.3	7.8	25	3.12	10.3
58773	soil	0.56	0.58	0.14	41.6	10.3	21	4.83	25.6

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
58774	soil	0.4	0.42	0.14	26.4	9.6	27	2.95	15.1
58775	soil	0.57	0.39	0.14	33.2	11.2	32	3.99	19.8
58776	soil	0.5	0.29	0.18	27.7	9.5	36	3.36	26.2
58777	soil	0.43	0.39	0.14	31.8	9.3	26	3.85	20.1
58778	soil	1.11	0.63	0.35	53.6	13.8	20	9.69	103.5
58779	soil	0.84	0.43	0.21	29.8	11.6	26	3.81	21.5
58780	soil	0.71	0.53	0.22	54	11.8	27	4.26	21.4
58781	soil	0.36	0.53	0.1	49.4	10.7	24	3.2	17.3
58782	soil	0.43	0.59	0.17	51.2	11	20	4.37	17.5
58783	soil	0.64	0.52	0.15	47.7	10.2	21	6.57	14.3
58784	soil	0.47	0.59	0.3	58.1	9.5	20	6.22	13.8
58785	soil	0.53	1.11	0.28	61.2	8	20	3.36	18.7
58786	soil	0.81	0.66	0.22	38.3	10	25	4.37	13.2
58787	soil	1.05	0.63	0.13	48.5	11.3	24	5.27	14.1
58788	soil	0.61	0.76	0.17	46.4	12.3	25	3.51	14.7
58789	soil	0.62	0.69	0.11	41.9	10.8	22	3.97	11.1
58790	soil	0.38	0.89	0.31	33.6	9.8	31	1.48	36.9
58791	soil	0.63	0.74	0.16	49.1	10.7	29	3.08	21.4
58792	soil	1.74	0.81	0.34	45.1	10.6	23	3.25	13.9
58793	soil	0.49	0.82	0.24	41	14.7	28	2.2	19.5
58794	soil	0.56	0.58	0.24	46.3	12.4	30	2.13	21.2
58795	soil	0.35	1.61	0.59	34	12.5	31	1.1	34.7
58796	soil	0.27	0.71	0.12	49.1	12.8	29	3.98	20.2
58797	soil	0.2	0.65	0.14	43.4	10.3	33	1.42	31.7
58798	soil	0.25	0.43	0.27	52	10.9	22	2.76	10.9
58799	soil	0.28	0.24	0.22	41.8	13.4	21	3.24	14.1
58800	soil	0.37	1.2	1.75	51.3	8.4	20	1.96	28
58801	soil	0.79	0.92	0.55	52	9.6	14	3.45	19.4
58802	soil	0.76	0.61	0.42	58.4	11.2	21	3.11	13.1
58803	soil	1.46	0.11	0.32	37.7	6.9	12	3.14	8.9
58804	soil	0.9	0.29	0.09	70.8	10.7	24	4.27	16.8
58805	soil	1.51	0.37	0.16	45.6	9.8	20	2.31	21
58806	soil	0.64	0.16	0.14	44.9	9.8	22	3.22	13.7
58807	soil	0.19	0.13	0.16	26.6	11.4	31	3.43	13
58808	soil	0.24	0.18	0.16	33.9	9.6	39	2.72	13.6
58809	soil	0.66	0.13	0.24	30.3	11.2	31	3.88	13.5
58810	soil	0.3	0.24	0.07	40.8	11.7	30	6.58	14
58811	soil	0.32	0.19	0.23	20.3	12	34	2.25	13.1
58812	soil	0.25	0.19	0.17	21.9	13.9	38	2.58	19
58813	soil	0.33	0.22	0.12	38.1	12.1	27	6.22	13.6
58814	soil	0.69	0.17	0.19	32.4	10.1	32	3.9	16.3
58815	soil	2.19	0.29	0.29	25.7	14.6	34	7.03	16.6
58816	soil	0.98	0.21	0.3	40.9	9.5	19	4	11
58817	soil	2.47	0.15	0.18	34.6	10.9	16	4.68	10.3
58818	soil	2.73	0.53	0.24	47.6	10	18	4.64	19.5
58819	soil	0.53	0.21	0.09	31.3	10.3	22	2.86	11.1
58820	soil	0.4	0.43	0.12	47.9	10.8	11	11.3	12
58821	soil	0.67	0.29	0.12	29.4	14.9	25	4.55	10.9
58822	soil	0.31	0.34	0.05	35.6	11.1	21	3.61	9.1
58823	soil	0.18	0.15	0.11	40.1	12.1	25	4.99	12.7
58824	soil	0.92	0.62	0.15	75	12	14	10.55	12

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
58825	soil	1.91	0.15	0.1	44.1	12.3	19	6.34	16.5
58826	soil	0.76	0.19	0.09	45.9	10.7	15	11.15	12.3
58827	soil	0.57	0.71	0.11	49.5	10.7	26	6.06	26.2
58828	soil	0.57	0.32	0.16	34.1	10.2	24	4.51	24.8
58829	soil	0.52	0.24	0.27	20.9	15.1	28	3.67	14.2
58830	soil	0.3	0.18	0.15	32.6	18.6	47	2.58	22.5
58831	soil	0.17	0.35	0.18	21.4	11	31	5	15.1
58832	soil	0.25	0.3	0.16	22.1	12.7	34	2.8	14.9
58833	soil	0.2	0.33	0.23	25.3	12	31	4.57	15.7
58834	soil	0.3	0.13	0.16	17.15	7.3	25	3.78	15.1
58835	soil	0.21	0.38	0.26	36.6	14.2	33	5.35	16.2
58836	soil	0.41	0.08	0.12	15.9	4.5	18	3.05	11.5
58837	soil	0.26	0.11	0.15	18.85	8.9	34	2.02	15.4
58838	soil	0.2	0.33	0.14	30	12.2	30	2.92	18.3
58839	soil	0.2	0.28	0.29	22.8	15.4	35	1.78	18.8
58840	soil	0.36	0.21	0.31	25.4	15.2	33	2.8	19.3
58841	soil	0.3	0.36	0.35	34.1	13.1	33	5.56	21.6
58842	soil	0.27	0.43	0.1	38	12.2	34	5.3	15.3
58843	soil	0.27	0.77	0.17	34.5	11.8	30	7.14	11.9
58844	soil	0.25	0.43	0.14	30.7	13.5	32	3.59	14.4
58845	soil	0.27	0.54	0.17	33	17.1	27	4.44	13.3
58846	soil	0.44	0.39	0.14	33.7	13.7	29	3.65	16
58847	soil	0.53	0.25	0.17	20.4	11.2	28	3.08	13.6
58848	silt	0.32	0.57	0.34	46	10.8	20	3.4	10.5
58849	rock	0.13	2.76	0.25	53.7	5.8	4	3.27	7.9
58850	rock	1.19	0.17	0.08	25	2.4	6	1.95	72.5
58851	rock	1.66	0.31	0.03	21.8	3.8	6	5.78	31
58852	rock	0.29	0.59	0.13	32.9	3.3	11	3.55	26
58853	rock	1.46	0.24	0.05	14.95	1.8	8	1.25	3.1
58854	rock	0.18	0.21	0.09	40.9	3.3	3	3.67	5.4
58855	rock	0.13	4.4	0.62	42.3	8	4	1.76	3.8
58856	rock	1	0.03	0.17	9.15	6.7	5	0.42	43.3
58857	rock	0.11	0.18	0.33	45.4	1.9	4	2.16	33.9
58858	rock	19.5	0.13	67.7	9.88	1.9	14	0.88	1230

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm
58859	rock	0.42	0.63	0.6	12.65	9.1	9	1.95	2.8
58860	rock	0.1	8.54	10.5	40.1	11.4	2	3.64	1.3
58861	rock	0.21	12.65	1.23	26.7	4.8	3	2.29	3.8
10FA01	Station								
10FA02	Station								
10FA03	Station								
10FA04	Station								
10FA05	Station								
10FA06	Station								
10FA07	Station								
10FA08	Station								
10FA09	Station								
10FA10	Station								
10FA11	Station								
10FA12	Station								
10FA13	Station								
10FA14	Station								

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm
58623	silt	2.77	5.04	0.08	0.02	0.03	0.019	0.08	19.2
58624	soil	2.67	7.71	0.07	0.02	0.02	0.018	0.06	9.3
58625	soil	3.7	7.71	0.07	0.03	0.02	0.025	0.05	10.3
58626	soil	3.34	8.47	0.06	0.02	0.02	0.032	0.06	13.4
58627	soil	3.66	6.77	0.1	0.09	0.02	0.026	0.09	22.6
58628	soil	2.18	5.35	0.08	0.09	0.02	0.023	0.08	21.5
58629	soil	3.73	7.61	0.12	0.11	0.03	0.03	0.1	26.2
58630	soil	3.24	8.07	0.09	0.06	0.04	0.031	0.09	18.9
58631	soil	3.24	6.74	0.09	0.09	0.02	0.027	0.09	18.7
58632	soil	2.87	8.19	0.06	0.05	0.03	0.032	0.06	25.6
58633	soil	2.97	6.3	0.07	0.03	0.01	0.022	0.06	16.2
58634	soil	3.01	6.57	0.07	0.02	0.02	0.022	0.06	13.6
58635	soil	3.16	6.76	0.07	0.03	0.03	0.024	0.06	12.7
58636	soil	3.14	6.92	0.09	0.07	0.03	0.026	0.08	19.4
58637	soil	3.25	7.73	0.07	0.03	0.06	0.025	0.08	14
58638	soil	3.18	12	0.06	0.03	0.02	0.019	0.06	7.8
58639	soil	4.03	7.29	0.08	0.03	0.05	0.028	0.05	27.7
58640	soil	3.2	7.97	0.07	0.02	0.03	0.025	0.07	13
58641	soil	2.25	7.23	0.06	0.03	0.05	0.025	0.06	19.2
58642	soil	3.18	8.17	0.06	0.05	0.04	0.028	0.09	14.1
58643	soil	2.71	6.98	0.07	0.05	0.12	0.031	0.06	24.3
58644	soil	3.17	8.08	0.07	0.06	0.06	0.03	0.09	20.2
58645	soil	3.3	7.66	0.08	0.06	0.05	0.028	0.08	17.7
58646	soil	3.1	6.79	0.08	0.08	0.03	0.026	0.09	18.6
58647	soil	2.96	7.01	0.06	0.06	0.05	0.021	0.08	13
58648	soil	4.08	10.9	0.08	0.06	0.06	0.038	0.07	15.1
58649	soil	3.63	8.47	0.06	0.06	0.04	0.03	0.07	12.6
58650	soil	3.68	10.1	0.07	0.06	0.07	0.03	0.09	15.4
58651	soil	3.29	7.93	0.09	0.05	0.03	0.026	0.09	21.3
58652	soil	3.6	8.08	0.07	0.06	0.04	0.031	0.1	11.6
58653	soil	1.67	6.47	0.05	0.03	0.07	0.017	0.05	14.6
58654	soil	3.04	6.4	0.08	0.06	0.03	0.026	0.15	15.7
58655	soil	2.6	7.7	0.06	0.03	0.05	0.023	0.07	17.1
58656	soil	2.62	6.8	0.06	0.02	0.04	0.023	0.08	15.5
58657	soil	2.58	6.83	0.06	0.04	0.03	0.025	0.08	11.6
58658	soil	3.49	10.05	0.1	0.04	0.05	0.037	0.07	37.6
58659	soil	2.89	8.77	0.05	0.04	0.03	0.026	0.06	11.3
58660	soil	4.19	10.7	0.06	0.03	0.04	0.035	0.09	10.4
58661	soil	2.23	6.71	0.05	0.02	0.04	0.022	0.06	10.3
58662	soil	2.9	7.25	0.07	0.08	0.03	0.031	0.1	17.7
58663	soil	2.64	6.71	0.08	0.08	0.03	0.027	0.08	20
58664	soil	3.38	8.65	0.08	0.05	0.03	0.031	0.07	21.4
58665	soil	3.01	7.28	0.06	0.05	0.04	0.027	0.07	15.1
58666	soil	3.4	7.14	0.08	0.18	0.03	0.031	0.06	18.8
58667	soil	2.85	7.26	0.07	0.05	0.04	0.03	0.07	17.8
58668	soil	3.14	7.22	0.07	0.04	0.03	0.031	0.07	15.4
58669	soil	2.3	7.11	0.06	0.07	0.04	0.029	0.09	15.2
58670	soil	3.25	7.85	0.07	0.06	0.06	0.03	0.09	17.5
58671	soil	1.96	6.58	0.06	0.04	0.08	0.027	0.05	17.5

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm
58672	soil	3.3	7.65	0.06	0.03	0.05	0.029	0.06	13.8
58673	soil	2.52	7.97	0.05	0.02	0.03	0.026	0.06	10
58674	soil	2.89	7.54	0.06	0.04	0.03	0.031	0.06	17.6
58675	soil	2.21	7.18	0.05	<0.02	0.05	0.023	0.04	11.1
58676	soil	3.35	11.8	0.06	0.04	0.16	0.026	0.05	10.2
58677	soil	3.25	6.25	0.08	0.09	0.04	0.033	0.1	19.3
58678	soil	3.88	7.84	0.1	0.14	0.05	0.039	0.09	22.9
58679	soil	3.57	7.72	0.09	0.1	0.06	0.037	0.09	27.2
58680	soil	3.19	7.98	0.11	0.18	0.05	0.037	0.08	29.2
58681	soil	2.6	7.16	0.07	0.07	0.05	0.03	0.06	13.4
58682	soil	3.68	8.24	0.07	0.03	0.04	0.034	0.07	14.3
58683	soil	3.66	9.31	0.08	0.03	0.07	0.039	0.07	16.3
58684	soil	3.05	7.22	0.07	0.03	0.04	0.03	0.09	17
58685	soil	3.06	8.45	0.08	0.03	0.04	0.029	0.08	20
58686	soil	3.53	8.81	0.11	0.05	0.07	0.034	0.11	33.8
58687	soil	3.11	7.71	0.08	0.03	0.03	0.03	0.08	19.2
58688	soil	3.15	8.6	0.09	0.04	0.06	0.035	0.09	31.8
58689	soil	3.51	9.55	0.07	0.02	0.05	0.035	0.1	15.7
58690	soil	2.83	8.93	0.06	0.02	0.08	0.034	0.07	15.8
58691	soil	3.28	7.36	0.08	0.03	0.04	0.031	0.1	19.8
58692	soil	3.42	9.11	0.07	0.03	0.05	0.033	0.08	16.6
58693	soil	3.24	8.57	0.07	0.04	0.04	0.031	0.08	16.7
58694	soil	2.96	9.02	0.09	0.04	0.06	0.035	0.1	23.8
58695	soil	3.34	10.2	0.08	0.05	0.06	0.041	0.1	22
58696	soil	3.36	8.62	0.08	0.04	0.05	0.033	0.1	18.2
58697	soil	3.68	9.14	0.07	0.05	0.04	0.033	0.09	15.6
58698	soil	3	9.09	0.07	0.04	0.04	0.032	0.07	16.6
58699	soil	3.51	10.35	0.07	0.04	0.07	0.036	0.1	16.7
58700	soil	2.89	9.24	0.06	0.05	0.05	0.024	0.07	13.6
58701	soil	3.38	9.39	0.07	0.06	0.04	0.03	0.1	18
58702	soil	2.85	12.3	0.08	0.04	0.06	0.031	0.06	28.3
58703	soil	4.04	13.4	0.15	0.09	0.04	0.04	0.43	37.1
58704	soil	4.08	10.55	0.07	0.13	0.05	0.035	0.06	13.2
58705	soil	3.48	8.38	0.09	0.21	0.04	0.034	0.09	22
58706	soil	2.91	8.04	0.07	0.06	0.06	0.033	0.06	15.9
58707	soil	4.56	9.75	0.12	0.1	0.09	0.041	0.13	33.9
58708	soil	3.27	8.16	0.1	0.09	0.06	0.032	0.11	22.5
58709	soil	3.59	8.05	0.06	0.02	0.03	0.031	0.08	13
58710	soil	1.32	6.96	<0.05	0.02	0.04	0.016	0.03	11.3
58711	soil	3.64	5.89	0.11	0.04	0.04	0.028	0.1	28.9
58712	soil	5.12	2.06	0.17	0.15	0.06	0.022	0.11	50
58713	soil	3.14	5.82	0.09	0.04	0.03	0.029	0.1	27.6
58714	soil	2.98	7.79	0.05	0.06	0.02	0.029	0.06	12.9
58715	soil	3.36	7.64	0.08	0.09	0.04	0.037	0.09	16.8
58716	soil	3.95	12.05	0.07	0.03	0.05	0.048	0.07	23.2
58717	soil	3.47	8.59	0.08	0.05	0.03	0.04	0.11	17.8
58718	soil	2.49	8.74	0.05	0.02	0.07	0.03	0.04	12.8
58719	soil	3.56	9.68	0.07	0.04	0.04	0.039	0.06	14.9
58720	soil	4.56	9.62	0.06	0.05	0.05	0.047	0.1	11.8
58721	soil	3.1	7.2	0.06	0.03	0.04	0.032	0.07	13
58722	soil	3.69	8.82	0.12	0.1	0.11	0.047	0.14	37.1

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm
58723	soil	3.06	8.74	0.06	0.03	0.19	0.035	0.08	12.5
58724	soil	3.36	8.15	0.08	0.07	0.05	0.04	0.08	18.7
58725	soil	3.45	8.9	0.06	0.05	0.03	0.037	0.07	12
58726	soil	3.27	8.17	0.08	0.05	0.03	0.038	0.09	16.4
58727	soil	3.41	7.98	0.08	0.06	0.04	0.042	0.08	21.3
58728	soil	3.46	8.54	0.07	0.06	0.04	0.04	0.08	14.3
58729	soil	3.73	8.46	0.06	0.09	0.04	0.043	0.07	11.6
58730	soil	3.59	8.13	0.08	0.04	0.03	0.041	0.09	15.5
58731	soil	4	8.34	0.11	0.08	0.05	0.044	0.1	33
58732	soil	3.5	8.77	0.11	0.09	0.05	0.046	0.12	32.6
58733	soil	3.2	8.06	0.06	0.04	0.03	0.039	0.08	14.7
58734	soil	3.38	7.87	0.06	0.03	0.04	0.036	0.07	16.2
58735	soil	3.42	8.49	0.09	0.03	0.05	0.042	0.07	23.1
58736	soil	3.44	8.39	0.09	0.03	0.06	0.042	0.08	24.2
58737	soil	3.42	7.8	0.09	0.03	0.03	0.037	0.1	23.5
58738	soil	3.37	9.43	0.11	0.05	0.06	0.043	0.1	40.8
58739	soil	3.3	8.79	0.08	0.04	0.05	0.032	0.11	13.3
58740	soil	3.72	6.97	0.08	0.03	0.03	0.034	0.07	15.1
58741	soil	3.73	6.79	0.07	0.03	0.04	0.043	0.08	17
58742	soil	4.31	8.47	0.08	0.02	0.03	0.03	0.13	17.3
58743	soil	4.83	7.64	0.08	0.03	0.04	0.042	0.1	23.4
58744	soil	4.81	9.69	0.09	0.05	0.04	0.025	0.21	14
58745	soil	3.97	10.75	0.07	0.04	0.07	0.036	0.1	12.8
58746	soil	3.82	6.87	0.07	0.05	0.04	0.032	0.08	14.2
58747	soil	3.16	7.28	0.07	0.03	0.05	0.032	0.06	13.8
58748	soil	3.39	7.57	0.07	0.03	0.04	0.029	0.06	16
58749	soil	2.9	7.76	0.05	0.03	0.03	0.031	0.08	12.2
58750	soil	3.08	8.59	0.07	0.04	0.02	0.028	0.09	19.1
58751	soil	3.4	7.52	0.07	0.04	0.02	0.027	0.07	19.7
58752	soil	2.52	7.5	<0.05	0.02	0.04	0.026	0.07	12.4
58753	soil	3.83	9.99	0.05	0.05	0.07	0.036	0.05	18
58754	soil	3.51	10.7	<0.05	0.03	0.04	0.028	0.05	7.6
58755	soil	2.81	9.21	0.05	0.02	0.04	0.029	0.08	14.1
58756	soil	3.01	7.87	0.05	0.03	0.03	0.027	0.06	11.7
58757	soil	2.83	7.78	0.05	0.02	0.03	0.026	0.08	14.5
58758	soil	3.21	7.32	0.06	0.09	0.09	0.031	0.09	16.4
58759	soil	3.02	6.76	0.06	0.06	0.04	0.026	0.08	12.9
58760	soil	4.1	11.05	0.05	0.04	0.06	0.032	0.05	7.9
58761	soil	3.44	7.18	0.05	0.07	0.07	0.035	0.06	10.3
58762	soil	3.4	10.3	0.05	0.04	0.04	0.027	0.09	7.7
58763	soil	1.94	6.53	<0.05	0.03	0.03	0.016	0.06	10.4
58764	soil	2.99	8.03	0.05	0.03	0.05	0.023	0.06	11.8
58765	soil	2.81	7.89	<0.05	0.03	0.03	0.023	0.08	13.5
58766	soil	3.43	9.07	0.06	0.05	0.04	0.032	0.09	15.9
58767	soil	3.2	8.69	0.06	0.04	0.04	0.03	0.08	31.1
58768	soil	3.61	10.1	0.05	0.03	0.03	0.032	0.09	14.3
58769	soil	4.18	10.8	0.06	0.06	0.04	0.037	0.13	15.8
58770	soil	3.03	8.75	0.06	0.03	0.03	0.024	0.13	14.3
58771	soil	3.51	10.3	0.06	0.05	0.05	0.032	0.09	16.6
58772	soil	2.55	7.97	0.05	0.05	0.03	0.02	0.06	9.8
58773	soil	3.2	7.01	0.06	0.05	0.02	0.025	0.11	21.4

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm
58774	soil	2.82	6.75	0.07	0.06	0.02	0.023	0.09	14.1
58775	soil	3.43	9.08	0.06	0.07	0.02	0.027	0.1	18.5
58776	soil	3.23	9.2	0.06	0.04	0.05	0.032	0.08	14.7
58777	soil	2.86	6.79	0.07	0.05	0.02	0.021	0.1	16.8
58778	soil	3.95	11.25	0.08	0.05	0.06	0.031	0.22	30.7
58779	soil	2.99	7.3	0.07	0.04	0.03	0.023	0.1	15.7
58780	soil	3.47	7.6	0.08	0.11	0.03	0.035	0.14	30
58781	soil	3.12	8.28	0.07	0.04	0.05	0.033	0.1	34.5
58782	soil	3.27	7.28	0.07	0.05	0.04	0.034	0.11	29.5
58783	soil	3.41	8.19	0.07	0.05	0.03	0.044	0.15	28.9
58784	soil	3.18	7	0.08	0.1	0.04	0.046	0.14	33
58785	soil	2.86	5.93	0.08	0.07	0.07	0.036	0.13	42.4
58786	soil	3.46	7.26	0.07	0.07	0.02	0.041	0.19	20.6
58787	soil	3.59	7.65	0.08	0.09	0.03	0.036	0.22	25.7
58788	soil	3.41	7.38	0.08	0.07	0.04	0.032	0.17	24.4
58789	soil	3.57	7.64	0.07	0.06	0.03	0.033	0.16	22.7
58790	soil	2.9	5.17	0.08	0.17	0.03	0.026	0.11	17.3
58791	soil	3.18	7.18	0.07	0.06	0.05	0.034	0.11	26.3
58792	soil	3.28	6.97	0.07	0.07	0.05	0.035	0.14	23.9
58793	soil	3.61	5.72	0.06	0.06	0.05	0.027	0.08	19.9
58794	soil	3.22	6.86	0.07	0.09	0.04	0.031	0.11	24
58795	soil	2.87	5.26	0.06	0.09	0.07	0.027	0.08	17.9
58796	soil	4.36	10.05	0.1	0.13	0.04	0.044	0.26	29.7
58797	soil	3.09	6.43	0.07	0.13	0.14	0.031	0.09	25.5
58798	soil	3.88	9.49	0.06	0.07	0.03	0.036	0.24	23.4
58799	soil	4.47	8.8	0.07	0.09	0.03	0.05	0.22	18.6
58800	soil	2.92	5.88	0.1	0.07	0.08	0.042	0.11	49
58801	soil	3.19	4.92	0.1	0.1	0.09	0.033	0.14	53.7
58802	soil	3.73	7.71	0.08	0.08	0.07	0.036	0.17	41.5
58803	soil	3.51	5.32	<0.05	0.03	0.02	0.025	0.09	19.3
58804	soil	3.85	5.9	0.06	0.15	0.05	0.038	0.19	39
58805	soil	3.79	4.83	0.05	0.04	0.02	0.036	0.2	20.9
58806	soil	3.73	7.28	0.05	0.16	0.02	0.034	0.08	19.7
58807	soil	4.09	7.67	<0.05	0.08	0.04	0.039	0.09	13.4
58808	soil	3.72	7.78	0.06	0.15	0.05	0.034	0.06	15.5
58809	soil	3.86	7.2	0.05	0.06	0.03	0.035	0.08	14.9
58810	soil	3.59	7.5	0.05	0.15	0.02	0.034	0.08	24
58811	soil	3.32	6.96	<0.05	0.17	0.03	0.033	0.06	10.4
58812	soil	3.61	6.03	0.05	0.14	0.03	0.037	0.06	10.7
58813	soil	3.6	7.28	0.06	0.05	0.04	0.035	0.09	18.5
58814	soil	3.38	7.08	0.05	0.07	0.05	0.033	0.07	17.9
58815	soil	3.42	6.13	0.05	0.12	0.05	0.035	0.09	12.1
58816	soil	3.7	10.9	0.06	0.03	0.03	0.033	0.08	21.7
58817	soil	3.65	6.19	0.05	0.08	0.03	0.04	0.12	16.3
58818	soil	3.53	4.97	0.08	0.1	0.12	0.04	0.18	33.6
58819	soil	3.63	6.77	<0.05	0.05	0.01	0.035	0.15	14.3
58820	soil	3.83	6.32	0.07	0.1	0.22	0.038	0.19	21.5
58821	soil	4.37	11.5	0.1	0.15	0.03	0.046	0.23	11
58822	soil	2.83	4.97	0.12	0.12	0.03	0.031	0.12	22.4
58823	soil	3.38	5.69	0.11	0.07	0.08	0.035	0.09	19
58824	soil	3.7	7.36	0.27	0.27	0.13	0.044	0.25	76.2

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm
58825	soil	4.2	9.86	0.09	0.12	0.1	0.049	0.22	20.3
58826	soil	4.28	10.45	0.1	0.09	0.22	0.049	0.2	22.8
58827	soil	3.27	7.1	0.11	0.15	0.59	0.038	0.14	26.6
58828	soil	3.18	7.84	0.09	0.06	0.02	0.024	0.13	18.1
58829	soil	3.46	8.8	0.1	0.07	0.05	0.031	0.09	11.3
58830	soil	3.78	9.63	0.11	0.25	0.05	0.042	0.07	15.7
58831	soil	3.05	7.74	0.1	0.06	0.04	0.026	0.06	11.7
58832	soil	3.21	8.8	0.11	0.06	0.04	0.029	0.06	12.2
58833	soil	3.08	8.17	0.1	0.05	0.04	0.026	0.07	13.3
58834	soil	3.22	11.15	0.08	0.04	0.05	0.021	0.05	9.2
58835	soil	3.33	8.52	0.1	0.06	0.05	0.028	0.06	16.9
58836	soil	2.06	10.9	0.06	0.04	0.03	0.014	0.03	8.6
58837	soil	3.6	11.6	0.09	0.03	0.06	0.03	0.04	9.8
58838	soil	2.84	6.74	0.1	0.1	0.02	0.024	0.06	16.2
58839	soil	3.16	6.82	0.1	0.07	0.05	0.027	0.07	11
58840	soil	3.15	6.83	0.1	0.08	0.05	0.03	0.07	10.5
58841	soil	3.1	9.65	0.12	0.04	0.05	0.034	0.08	22.3
58842	soil	3.17	8.54	0.12	0.06	0.03	0.031	0.07	23.9
58843	soil	3.01	9.29	0.12	0.04	0.05	0.028	0.11	20.8
58844	soil	3.35	9.53	0.11	0.06	0.04	0.031	0.1	18.1
58845	soil	3.92	10.55	0.12	0.08	0.03	0.035	0.16	17.3
58846	soil	3.3	8.38	0.12	0.05	0.02	0.024	0.12	19.2
58847	soil	3.22	9.92	0.1	0.06	0.04	0.024	0.08	11.7
58848	silt	2.9	6.64	0.13	0.03	0.03	0.023	0.08	26.9
58849	rock	2.26	2.26	0.07	0.09	0.01	0.018	0.26	34.6
58850	rock	3.65	4.46	0.06	0.08	0.01	0.014	0.22	13.6
58851	rock	2.68	6.61	0.06	0.06	<0.01	0.031	0.45	11.4
58852	rock	2.66	6.64	0.1	0.09	0.01	0.014	0.22	16.5
58853	rock	2.37	5.16	<0.05	0.11	<0.01	0.017	0.18	7.7
58854	rock	2.08	1.76	0.05	0.12	0.16	0.025	0.24	22.2
58855	rock	2.85	1.55	0.06	0.09	0.01	0.014	0.29	21.4
58856	rock	2.7	0.48	<0.05	0.08	<0.01	0.007	0.05	4.6
58857	rock	0.67	1	<0.05	0.08	0.1	0.155	0.3	22.8
58858	rock	8.25	2.67	0.1	0.11	9.92	79.9	0.18	28.7

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm
58859	rock	2.56	4.89	0.07	0.06	0.01	0.147	0.23	6
58860	rock	3.85	1.27	0.1	0.12	0.01	0.049	0.21	20.5
58861	rock	2.16	0.9	0.08	0.16	0.04	0.043	0.18	15.9
10FA01	Station								
10FA02	Station								
10FA03	Station								
10FA04	Station								
10FA05	Station								
10FA06	Station								
10FA07	Station								
10FA08	Station								
10FA09	Station								
10FA10	Station								
10FA11	Station								
10FA12	Station								
10FA13	Station								
10FA14	Station								

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm
58623	silt	37.7	0.51	594	2.71	0.02	1.69	10.7	860
58624	soil	12.8	0.47	329	1.07	0.02	1.55	14	360
58625	soil	24.5	0.63	447	0.8	0.02	1.23	18.7	760
58626	soil	21	0.63	562	0.77	0.02	1.17	17.4	950
58627	soil	19.7	0.68	478	0.96	0.02	1.51	16.6	980
58628	soil	19.6	0.57	208	0.28	0.02	1.15	14	740
58629	soil	24.5	0.79	606	0.91	0.02	1.57	21.8	1030
58630	soil	25.1	0.77	424	0.51	0.02	1.83	19.9	830
58631	soil	21.2	0.73	490	0.36	0.02	1.79	17.3	710
58632	soil	29.2	0.72	323	0.37	0.02	1.7	17.6	1050
58633	soil	22.2	0.65	729	0.49	0.02	1.5	11.5	880
58634	soil	16.7	0.56	563	0.75	0.02	1.1	20.5	830
58635	soil	18.1	0.62	936	0.76	0.02	1.43	20.1	940
58636	soil	17.4	0.66	544	0.56	0.02	1.48	24.9	800
58637	soil	20.1	0.67	467	0.87	0.02	1.65	21.1	640
58638	soil	8.5	0.36	315	2.15	0.01	2.26	14	340
58639	soil	18.3	0.59	1400	2.22	0.02	1.15	18.2	1210
58640	soil	16.9	0.61	430	1.58	0.02	1.59	19.6	570
58641	soil	11.1	0.39	392	1.42	0.02	1.27	13	690
58642	soil	19	0.67	337	0.88	0.02	1.73	19.3	760
58643	soil	10.9	0.42	477	1.72	0.03	1.22	19.2	1640
58644	soil	17.8	0.71	342	1.24	0.02	1.69	22.5	900
58645	soil	16.7	0.66	335	1.61	0.02	1.74	20.2	1070
58646	soil	16	0.66	427	0.86	0.02	1.82	22.2	920
58647	soil	14.1	0.56	452	1.21	0.02	1.71	19.4	860
58648	soil	23.1	0.55	666	2.76	0.02	2.68	27.6	780
58649	soil	19.6	0.56	556	1.96	0.02	1.95	21.9	810
58650	soil	20	0.59	587	1.84	0.02	2.34	27.5	690
58651	soil	18.4	0.61	567	1.13	0.02	2.03	19.7	790
58652	soil	24	0.67	670	0.89	0.02	2.2	21.3	770
58653	soil	6.9	0.28	226	1.08	0.01	1.17	10.3	500
58654	soil	17	0.62	611	0.77	0.02	2.02	11.8	1310
58655	soil	8.4	0.29	284	1.79	0.02	1.58	12	600
58656	soil	13.7	0.52	603	1.31	0.02	1.37	15.1	940
58657	soil	13.4	0.51	704	1.13	0.02	1.71	14.9	800
58658	soil	20.1	0.54	625	1.56	0.02	1.71	17.4	720
58659	soil	12.6	0.4	315	1.26	0.01	1.74	16.6	390
58660	soil	17.8	0.45	969	1.84	0.02	1.75	17.7	610
58661	soil	9.8	0.33	249	0.87	0.02	1.02	13	540
58662	soil	16.6	0.66	284	0.43	0.02	1.66	23.1	720
58663	soil	15.9	0.6	296	0.33	0.02	1.55	19.4	1030
58664	soil	21.3	0.62	711	0.68	0.02	1.58	18.5	760
58665	soil	16.1	0.54	530	0.87	0.02	1.58	21.1	790
58666	soil	16.9	0.58	241	0.67	0.02	1.23	20.9	970
58667	soil	18.3	0.59	641	0.66	0.02	1.49	18.2	800
58668	soil	18.2	0.6	701	0.58	0.02	1.2	15.9	960
58669	soil	17	0.6	831	0.26	0.02	1.42	17.7	880
58670	soil	18.6	0.59	331	0.41	0.02	1.6	13.4	1040
58671	soil	11.6	0.37	1000	0.34	0.02	1.02	13.3	1260

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm
58672	soil	17	0.49	1140	0.8	0.02	1.12	13.5	1490
58673	soil	16.1	0.5	557	0.64	0.01	1.13	13.8	860
58674	soil	16.5	0.61	376	0.59	0.02	1.39	21.7	770
58675	soil	7.7	0.32	181	1.37	0.01	0.63	12	610
58676	soil	7	0.26	324	1.47	0.01	1.97	9.6	440
58677	soil	15.6	0.6	533	0.51	0.02	1.48	21	730
58678	soil	21.4	0.74	489	0.78	0.02	1.65	22.2	810
58679	soil	21.6	0.74	434	0.69	0.02	2.1	19	790
58680	soil	21.5	0.73	337	0.6	0.03	2.65	23.2	770
58681	soil	20.3	0.66	736	0.43	0.03	2.22	18.3	800
58682	soil	23.1	0.72	1010	0.95	0.02	1.81	20.9	870
58683	soil	20.5	0.62	1090	1.58	0.02	1.6	21.8	910
58684	soil	19.5	0.6	713	0.64	0.02	1.68	13.8	640
58685	soil	20.7	0.59	423	1.15	0.02	1.95	16.6	760
58686	soil	26.1	0.65	1480	1.12	0.03	1.97	17.1	1120
58687	soil	20.2	0.58	690	0.84	0.02	1.38	15.1	780
58688	soil	21.2	0.57	825	1.02	0.03	1.66	17.2	870
58689	soil	20.5	0.63	1610	1.07	0.02	1.71	15.8	850
58690	soil	19.9	0.6	488	0.79	0.02	1.79	17.1	780
58691	soil	17.4	0.48	980	0.77	0.02	1.73	10.3	910
58692	soil	22.4	0.62	1120	0.97	0.03	2.28	15.5	840
58693	soil	20.6	0.62	465	0.74	0.02	2.44	14.1	740
58694	soil	23.3	0.59	511	0.56	0.03	2.54	12	1080
58695	soil	26.6	0.73	525	0.86	0.02	2.48	17.3	850
58696	soil	23.8	0.72	580	0.81	0.03	2.55	18.1	880
58697	soil	28	0.74	766	0.9	0.02	2.9	15.7	780
58698	soil	21.6	0.61	787	0.9	0.02	2.21	15.2	690
58699	soil	20.5	0.61	654	1.24	0.02	2.29	16.6	720
58700	soil	16.7	0.6	249	0.94	0.02	2.69	15.8	360
58701	soil	21.7	0.65	508	0.91	0.02	3.29	17.9	760
58702	soil	27.2	0.5	1000	0.68	0.02	0.54	5.6	670
58703	soil	40.7	0.95	1110	0.42	0.02	2.45	7.3	1240
58704	soil	26	0.67	326	1.23	0.02	2.7	25.6	360
58705	soil	24.3	0.65	449	0.62	0.02	2.62	21.9	720
58706	soil	23	0.55	342	0.48	0.02	2.58	14.5	690
58707	soil	26.2	0.66	345	0.58	0.02	2.98	16.9	960
58708	soil	24.2	0.72	420	0.59	0.02	2.92	16.2	850
58709	soil	21.7	0.45	644	1.26	0.01	1.65	14.6	620
58710	soil	2.2	0.08	62	1.5	0.02	1.12	5.1	250
58711	soil	16.9	0.53	1290	1.5	0.02	0.91	14	870
58712	soil	3	0.23	3050	1.81	0.01	0.05	11.2	830
58713	soil	21.8	0.58	1480	0.99	0.02	0.93	17.3	570
58714	soil	17	0.53	384	1.17	0.02	1.58	14.9	330
58715	soil	20.2	0.7	551	0.76	0.03	2.34	26	630
58716	soil	17.5	0.43	398	2.14	0.02	1.87	17.8	480
58717	soil	20	0.71	484	0.86	0.02	2.33	19.8	680
58718	soil	14.5	0.34	145	1.04	0.02	1.27	11	410
58719	soil	20.5	0.44	296	1.59	0.02	2.27	17.4	370
58720	soil	26.2	0.6	515	1.03	0.02	2.03	15.2	470
58721	soil	18.6	0.59	322	0.72	0.02	1.62	18.5	550
58722	soil	29.2	0.79	829	0.58	0.03	1.94	19.8	670

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm
58723	soil	22.1	0.7	322	0.81	0.02	1.89	18.7	660
58724	soil	21.1	0.71	380	0.45	0.03	1.82	23.7	780
58725	soil	20.5	0.66	404	0.95	0.03	2.43	18.4	530
58726	soil	17.6	0.69	523	0.68	0.03	2.18	19.8	640
58727	soil	19.6	0.72	521	0.6	0.03	1.56	23.9	780
58728	soil	21.9	0.74	397	0.74	0.02	2.05	22.5	760
58729	soil	21.6	0.6	442	1.18	0.02	2.49	27.8	380
58730	soil	21.6	0.71	649	0.69	0.02	1.96	21.3	750
58731	soil	21.9	0.74	372	0.48	0.02	2.09	17	920
58732	soil	23.6	0.79	392	0.43	0.02	1.8	19.5	840
58733	soil	21.2	0.68	607	0.59	0.03	1.5	19.3	910
58734	soil	16.4	0.62	702	0.99	0.03	1.33	18.4	900
58735	soil	19.1	0.63	763	1.06	0.03	1.4	20.4	870
58736	soil	20.9	0.6	863	1.27	0.03	1.45	17.6	920
58737	soil	21.7	0.69	899	0.94	0.02	1.64	16.3	820
58738	soil	20.8	0.62	660	1.31	0.03	1.69	19.7	920
58739	soil	23.2	0.76	201	3.85	0.03	2.41	17	860
58740	soil	28.7	0.64	452	8.02	0.02	1.48	18.6	750
58741	soil	21.4	0.66	673	16.25	0.03	1.28	19	910
58742	soil	19	0.78	307	34.5	0.03	1.41	13	1080
58743	soil	18.9	0.66	444	94.4	0.02	1.54	16.1	790
58744	soil	21.8	1.01	220	21.6	0.02	1.99	12.5	1000
58745	soil	16.8	0.51	284	2.83	0.03	2.64	13.3	740
58746	soil	16.7	0.69	428	1.67	0.03	1.96	26.1	920
58747	soil	14.3	0.54	350	2.03	0.02	1.51	18.7	940
58748	soil	18.3	0.59	194	4.65	0.03	1.58	15.2	850
58749	soil	16.4	0.58	280	1.9	0.03	1.75	18.9	790
58750	soil	17.9	0.72	267	3.1	0.03	2.46	11.9	950
58751	soil	17.7	0.6	172	6.7	0.03	2.34	11.7	830
58752	soil	10.3	0.41	175	3.67	0.03	1.73	12.1	440
58753	soil	17.2	0.37	192	3.33	0.02	2.61	15.2	580
58754	soil	10.5	0.24	240	5.84	0.02	2.29	11.9	430
58755	soil	17	0.59	308	5.64	0.02	1.46	16.1	690
58756	soil	25.1	0.66	337	3.43	0.02	1.75	16.3	640
58757	soil	17	0.58	371	2.44	0.03	1.72	15.1	760
58758	soil	17.5	0.68	557	1.57	0.03	1.63	25.2	790
58759	soil	16.9	0.57	701	1.24	0.03	1.84	23.2	890
58760	soil	16.4	0.34	235	1.64	0.02	2.55	16.3	450
58761	soil	21.5	0.61	356	0.98	0.02	2.41	34.1	470
58762	soil	16	0.43	474	1.63	0.03	2.66	14.2	370
58763	soil	5.1	0.19	236	1.36	0.02	1.7	9.5	280
58764	soil	14.5	0.52	382	1.16	0.02	1.62	17.7	760
58765	soil	12.5	0.46	350	1.28	0.02	1.83	17.7	470
58766	soil	19.7	0.61	429	1.67	0.02	2.36	21	360
58767	soil	18.7	0.56	551	1.37	0.02	2.12	21	590
58768	soil	20.3	0.59	824	1.16	0.02	2.55	19.6	420
58769	soil	35.9	0.83	623	1.03	0.03	3.46	24	460
58770	soil	19.7	0.65	418	1.6	0.02	2.16	14.1	850
58771	soil	22.2	0.73	494	1.21	0.02	2.39	19.9	560
58772	soil	13.6	0.55	342	0.91	0.02	2.56	14.1	400
58773	soil	20.6	0.68	673	1.27	0.03	2.06	12.7	820

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm
58774	soil	17.9	0.65	398	0.67	0.03	2.2	16.7	750
58775	soil	19.9	0.7	524	0.98	0.03	2.67	18.5	650
58776	soil	16.3	0.6	337	1.06	0.03	1.94	20.7	770
58777	soil	15.8	0.58	426	0.74	0.03	2.25	14.7	790
58778	soil	28.1	0.79	715	4.57	0.03	3.51	13.2	970
58779	soil	19.4	0.62	542	1.23	0.03	2.28	15.5	730
58780	soil	21.2	0.74	936	0.73	0.03	1.76	17.5	730
58781	soil	20.2	0.58	726	0.89	0.03	2.04	13.9	620
58782	soil	20.6	0.6	925	1.1	0.03	1.89	14.1	630
58783	soil	25	0.7	705	0.8	0.03	2.01	12.8	700
58784	soil	19.7	0.64	729	0.72	0.03	1.7	12.6	790
58785	soil	16.6	0.52	699	0.76	0.02	1.47	13.1	880
58786	soil	22.4	0.76	672	0.79	0.02	2.14	15.3	710
58787	soil	22.9	0.8	889	0.9	0.02	2.38	14.1	800
58788	soil	21.3	0.74	1280	1.07	0.02	2.47	14.6	880
58789	soil	21.4	0.8	1060	0.65	0.03	2.46	12.1	990
58790	soil	15.5	0.69	425	0.65	0.04	2.11	27.4	850
58791	soil	19.8	0.65	865	0.72	0.02	1.99	16.6	900
58792	soil	19	0.64	1470	1.07	0.02	2.14	12.9	900
58793	soil	13.9	0.54	935	1.27	0.03	1.68	18.2	1040
58794	soil	18.1	0.65	609	0.67	0.02	2.07	19.5	780
58795	soil	13.8	0.59	765	0.72	0.04	1.73	25.3	1130
58796	soil	32.8	1.05	703	0.53	0.02	3.9	17.7	950
58797	soil	15.4	0.63	580	0.63	0.02	1.85	23.3	450
58798	soil	22.6	0.72	793	1.16	0.02	2.68	15.1	510
58799	soil	22.9	0.72	1000	2.41	0.01	1.24	16	510
58800	soil	15.4	0.47	675	1.66	0.02	1.51	20.1	790
58801	soil	14.2	0.34	954	1.63	0.01	0.97	12.1	640
58802	soil	26.4	0.73	709	1.39	0.02	1.84	12.9	820
58803	soil	8.4	0.2	589	3.24	0.01	0.72	7.5	360
58804	soil	16.4	0.57	625	4.39	0.01	1.02	14.6	420
58805	soil	8.9	0.35	769	1.35	0.01	0.92	13.2	440
58806	soil	19.9	0.51	597	2.26	0.01	0.81	15.3	350
58807	soil	15.5	0.39	568	1.37	0.01	1.12	19	470
58808	soil	20.7	0.55	370	1.46	0.02	1.32	19.6	400
58809	soil	21.5	0.41	475	3.24	0.01	1.69	19.9	640
58810	soil	21.7	0.54	423	1.83	0.02	1.04	20.4	450
58811	soil	20.3	0.48	299	1.44	0.01	1.83	22	490
58812	soil	19.5	0.54	341	1.49	0.02	1.81	29.3	430
58813	soil	20.8	0.45	587	2.06	0.01	1.26	16.9	710
58814	soil	13.2	0.43	361	1.5	0.02	1.64	20.2	390
58815	soil	15.2	0.53	831	1.63	0.01	1.16	23.9	580
58816	soil	22.3	0.49	443	2.51	0.01	1.91	10.7	520
58817	soil	17.4	0.33	395	2.64	0.01	0.98	11.4	320
58818	soil	13.5	0.35	865	3.08	0.02	1.06	11.4	380
58819	soil	19.7	0.58	452	2.1	0.01	1.23	13.9	250
58820	soil	20.5	0.52	750	1.16	0.02	1.36	8.4	820
58821	soil	31.5	0.88	541	2.07	0.02	3.78	17.6	380
58822	soil	10.4	0.34	540	2.23	0.02	0.99	13.8	450
58823	soil	10.6	0.34	395	1.04	0.01	1.15	19.6	440
58824	soil	16.9	0.53	737	1.97	0.02	2.52	10.4	1250

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm
58825	soil	23.3	0.55	451	6.58	0.01	2.15	15.8	470
58826	soil	31.7	0.52	447	2.42	0.02	2.08	10.1	570
58827	soil	16.1	0.55	551	1.36	0.03	1.99	19.4	730
58828	soil	16.6	0.56	423	1.13	0.01	2.38	14.6	790
58829	soil	24.4	0.62	633	1.15	0.01	3.02	23.8	730
58830	soil	21.3	0.65	615	1.28	0.01	2.39	32.2	650
58831	soil	19.5	0.55	383	0.8	0.01	2.58	21	650
58832	soil	19.5	0.58	472	0.99	0.01	2.26	23.4	630
58833	soil	17.4	0.57	484	1.15	0.01	2.28	23	610
58834	soil	8.1	0.31	254	2.14	0.01	2.97	15.6	380
58835	soil	21	0.57	673	1.05	0.02	2.49	26.4	840
58836	soil	3.2	0.13	131	2	<0.01	2.59	10	170
58837	soil	15.9	0.28	242	2.41	0.01	2.29	19	390
58838	soil	15.9	0.59	432	0.9	0.01	1.75	24.2	870
58839	soil	16.9	0.62	456	0.8	0.01	1.97	29.6	700
58840	soil	16.9	0.62	493	0.88	0.01	1.87	27.6	490
58841	soil	19.2	0.54	590	0.94	0.01	2.15	23.8	600
58842	soil	25.9	0.67	555	0.63	0.02	2.04	21.9	630
58843	soil	25	0.78	659	0.58	0.02	2.29	19.8	800
58844	soil	23.5	0.67	604	0.81	0.02	2.63	21.6	520
58845	soil	35.3	0.81	1010	0.78	0.02	4.18	20.2	1190
58846	soil	22.2	0.72	672	0.84	0.02	2.27	18.6	770
58847	soil	16.9	0.59	480	1.15	0.01	2.73	17.4	590
58848	silt	28.1	0.56	665	1.23	0.01	1.8	14.5	860
58849	rock	4.5	0.29	1600	0.42	0.03	<0.05	3.5	740
58850	rock	7.1	0.25	109	1.34	0.08	0.6	2.9	580
58851	rock	18.4	0.52	126	1.34	0.1	0.17	1.9	560
58852	rock	15.4	0.65	208	0.34	0.09	1.41	3.8	760
58853	rock	15.3	0.53	409	0.85	0.06	1.53	2.1	640
58854	rock	3.4	0.03	220	1.99	0.04	<0.05	2	690
58855	rock	2.4	1.19	1700	0.37	0.04	<0.05	2.3	600
58856	rock	0.6	0.02	176	8.23	0.01	0.09	2.7	120
58857	rock	0.5	0.02	424	5.82	0.01	<0.05	0.4	760
58858	rock	1.5	0.04	1060	139.5	0.01	0.13	0.8	510

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm
58859	rock	10.1	0.39	452	0.49	0.11	0.7	3.7	580
58860	rock	0.6	2.31	1720	0.4	0.03	0.11	2.5	410
58861	rock	0.5	0.08	932	0.9	0.01	0.1	0.9	440
10FA01	Station								
10FA02	Station								
10FA03	Station								
10FA04	Station								
10FA05	Station								
10FA06	Station								
10FA07	Station								
10FA08	Station								
10FA09	Station								
10FA10	Station								
10FA11	Station								
10FA12	Station								
10FA13	Station								
10FA14	Station								

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm
58623	silt	10.8	18.3	0.001	0.04	0.61	3.9	0.7	0.6
58624	soil	8.5	11.2	<0.001	0.03	0.4	3.1	0.3	0.6
58625	soil	9.5	10.1	<0.001	0.03	0.27	3.3	0.3	0.5
58626	soil	9.2	14.9	<0.001	0.03	0.31	4.2	0.3	0.6
58627	soil	9.9	21	<0.001	0.01	0.31	6.3	0.4	0.5
58628	soil	14.1	15.1	<0.001	0.01	0.33	5.4	0.3	0.4
58629	soil	8.3	23.5	<0.001	0.02	0.36	8.5	0.5	0.6
58630	soil	9.8	23.4	<0.001	0.03	0.31	7.1	0.4	0.6
58631	soil	8.4	20.9	<0.001	0.01	0.34	5.8	0.3	0.6
58632	soil	10.8	15.5	<0.001	0.04	0.48	6.3	0.5	0.7
58633	soil	7.1	11.2	<0.001	0.02	0.31	4	0.2	0.5
58634	soil	8.5	12.4	<0.001	0.03	0.37	3	0.3	0.5
58635	soil	8.4	11.8	<0.001	0.03	0.34	3.7	0.3	0.5
58636	soil	9.8	14.4	<0.001	0.02	0.41	5.4	0.4	0.5
58637	soil	8.4	15.5	<0.001	0.03	0.43	4	0.3	0.6
58638	soil	11.7	15.2	<0.001	0.02	0.59	2.8	0.3	0.9
58639	soil	9.4	12.5	<0.001	0.09	0.44	3.7	0.5	0.5
58640	soil	10.4	25.9	<0.001	0.04	0.39	3.9	0.3	0.6
58641	soil	10.3	30.7	<0.001	0.06	0.33	2.8	0.3	0.6
58642	soil	14.6	21.6	<0.001	0.03	0.44	4.2	0.3	0.6
58643	soil	11.1	14.1	<0.001	0.19	0.51	3.6	0.7	0.5
58644	soil	13.1	21.3	<0.001	0.03	0.49	5.8	0.5	0.6
58645	soil	11.5	20.6	<0.001	0.03	0.48	5.2	0.4	0.5
58646	soil	8.8	19.2	<0.001	0.02	0.4	5	0.4	0.5
58647	soil	10.9	17.5	<0.001	0.03	0.43	3.4	0.3	0.6
58648	soil	14.6	21.8	<0.001	0.04	0.56	4.5	0.4	0.7
58649	soil	11.2	18.3	<0.001	0.04	0.46	3.6	0.4	0.6
58650	soil	14.4	22	<0.001	0.04	0.53	3.8	0.3	0.7
58651	soil	12.6	24.8	<0.001	0.03	0.45	4.2	0.4	0.6
58652	soil	13.9	22.1	<0.001	0.03	0.43	4.3	0.3	0.6
58653	soil	9.5	15.3	<0.001	0.05	0.33	1.9	0.3	0.6
58654	soil	38.6	31.2	<0.001	0.02	0.56	4	0.3	0.5
58655	soil	16	30.6	<0.001	0.06	0.53	2.5	0.3	0.7
58656	soil	7.1	34.4	<0.001	0.06	0.36	3.3	0.3	0.6
58657	soil	8.7	37.7	<0.001	0.04	0.3	3.5	0.2	0.6
58658	soil	12.4	37.9	<0.001	0.05	0.34	4.2	0.5	0.8
58659	soil	9.7	17.1	<0.001	0.03	0.39	3.2	0.2	0.7
58660	soil	14	27	<0.001	0.04	0.41	3.5	0.2	0.7
58661	soil	7.3	14.3	<0.001	0.04	0.28	2.4	0.3	0.5
58662	soil	10.1	18.6	<0.001	0.02	0.31	5.9	0.4	0.6
58663	soil	9.3	14.8	<0.001	0.02	0.36	5.9	0.4	0.5
58664	soil	10.4	18.1	<0.001	0.02	0.31	5.5	0.3	0.6
58665	soil	7.7	13.3	<0.001	0.03	0.38	4	0.3	0.5
58666	soil	9.7	15.7	<0.001	0.01	0.43	8.1	0.5	0.6
58667	soil	8.4	17.1	<0.001	0.02	0.33	5.6	0.3	0.6
58668	soil	9	19.4	<0.001	0.03	0.32	4.2	0.3	0.6
58669	soil	8.9	21	<0.001	0.02	0.33	5.2	0.3	0.6
58670	soil	9.3	24.5	<0.001	0.03	0.34	6.4	0.3	0.6
58671	soil	7.2	13.4	<0.001	0.08	0.34	4.7	0.5	0.5

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm
58672	soil	8.4	15.3	<0.001	0.07	0.29	4.4	0.4	0.6
58673	soil	10.2	17.5	<0.001	0.05	0.27	3.2	0.2	0.6
58674	soil	9.8	12.4	<0.001	0.02	0.35	5.4	0.3	0.6
58675	soil	8.5	10.7	<0.001	0.04	0.43	1.2	0.3	0.6
58676	soil	12	10.4	<0.001	0.03	1.66	2.7	0.3	0.8
58677	soil	15	14.5	<0.001	0.02	1.42	7.6	0.6	0.5
58678	soil	21.1	17.7	<0.001	0.02	10.25	9.4	0.8	0.6
58679	soil	19	20.6	<0.001	0.02	3.14	8.4	0.7	0.7
58680	soil	15.1	17.7	<0.001	0.02	2.27	9.5	0.8	0.7
58681	soil	10.9	12.3	<0.001	0.03	0.92	5.6	0.4	0.6
58682	soil	11.8	19.5	<0.001	0.03	0.71	4.8	0.4	0.7
58683	soil	21	21.9	<0.001	0.06	0.97	6.2	0.6	0.6
58684	soil	13.7	19.2	<0.001	0.02	0.74	5.3	0.4	0.6
58685	soil	12.2	22.1	<0.001	0.04	0.49	4.6	0.6	0.6
58686	soil	13.9	29.6	<0.001	0.05	0.61	7.4	0.9	0.7
58687	soil	11.8	18.4	<0.001	0.03	0.58	4.7	0.5	0.6
58688	soil	12.3	22.8	<0.001	0.06	0.61	6.2	0.8	0.7
58689	soil	15.2	24.7	<0.001	0.04	0.5	4.9	0.4	0.7
58690	soil	15.9	22.8	<0.001	0.04	0.42	4.6	0.4	0.7
58691	soil	10.1	21.9	<0.001	0.04	0.52	4.4	0.5	0.7
58692	soil	12.7	24.4	<0.001	0.04	0.58	4.7	0.5	0.8
58693	soil	11.8	21.8	<0.001	0.03	0.59	5	0.5	0.8
58694	soil	19.6	28	<0.001	0.04	0.57	5.3	0.6	0.9
58695	soil	11.6	33.6	<0.001	0.04	0.67	6.9	0.6	0.9
58696	soil	11.4	21.3	<0.001	0.03	0.56	5	0.5	0.7
58697	soil	11.8	22.9	<0.001	0.02	0.52	4.9	0.4	0.8
58698	soil	9.5	20.2	<0.001	0.03	0.48	4.9	0.5	0.8
58699	soil	11.8	24.4	<0.001	0.04	0.73	5.2	0.6	0.9
58700	soil	11.4	15.7	<0.001	0.02	0.52	4.1	0.3	0.7
58701	soil	10.1	19.3	<0.001	0.02	0.61	4.8	0.5	0.8
58702	soil	15.7	16.5	<0.001	0.02	0.63	4.6	0.5	0.6
58703	soil	8	65.6	<0.001	0.01	0.71	8	0.7	1.2
58704	soil	11.2	15.1	<0.001	0.01	0.59	6.5	0.5	0.8
58705	soil	8.5	15.6	<0.001	0.01	0.62	6.6	0.7	0.7
58706	soil	11.9	14.4	<0.001	0.02	0.47	5.4	0.5	0.7
58707	soil	12.3	29.1	<0.001	0.03	0.69	8.9	0.8	0.9
58708	soil	8.5	27.5	<0.001	0.01	0.49	6.7	0.6	0.8
58709	soil	14.6	19	<0.001	0.01	0.49	4.8	0.5	0.6
58710	soil	10	8.4	<0.001	0.02	0.38	1.4	0.3	0.8
58711	soil	26.1	16.3	<0.001	0.01	1.36	6.6	0.7	0.5
58712	soil	43.4	9.7	<0.001	0.01	1.31	6.1	1.4	0
58713	soil	26.8	14.3	<0.001	0.01	0.63	4.9	0.5	0.4
58714	soil	11.7	16	<0.001	0.01	0.41	4.1	0.3	0.7
58715	soil	7.5	22.2	<0.001	0.01	0.37	5.9	0.6	0.7
58716	soil	16.1	20	<0.001	0.03	0.61	5.9	0.7	0.9
58717	soil	8.4	27.3	<0.001	0.02	0.42	6.3	0.6	0.8
58718	soil	12.2	11	<0.001	0.02	0.38	2.7	0.4	0.7
58719	soil	10.1	19.7	<0.001	0.02	0.4	4.9	0.5	0.9
58720	soil	23.2	25.9	<0.001	0.02	0.66	5.7	0.4	0.8
58721	soil	10.1	16.4	<0.001	0.01	0.38	4.3	0.4	0.6
58722	soil	24.1	33.1	<0.001	0.01	0.73	11.3	0.9	0.9

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm
58723	soil	82.4	19.2	<0.001	0.02	1.68	5.1	0.4	0.8
58724	soil	10.1	20.1	<0.001	0.02	0.62	8.5	0.5	0.7
58725	soil	10.9	18.7	<0.001	0.02	0.64	5.2	0.3	0.8
58726	soil	8.6	20.6	<0.001	0.01	0.44	5.5	0.4	0.8
58727	soil	10.1	17.1	<0.001	0.01	0.75	7.8	0.7	0.7
58728	soil	9.5	16.9	<0.001	0.02	0.48	5.7	0.5	0.7
58729	soil	9.8	14.5	<0.001	0.02	0.59	5.5	0.6	0.7
58730	soil	9.9	21.4	<0.001	0.02	0.54	5.6	0.4	0.7
58731	soil	12.1	28	<0.001	0.02	1.07	8.6	0.8	0.8
58732	soil	13.4	29.7	<0.001	0.01	0.87	9.7	0.7	0.8
58733	soil	17.3	18.5	<0.001	0.03	0.81	5.4	0.5	0.7
58734	soil	10.9	18.8	<0.001	0.05	0.64	4.7	0.5	0.7
58735	soil	15.2	21.5	<0.001	0.05	0.63	5.9	0.7	0.7
58736	soil	14.8	23.6	<0.001	0.05	0.67	5.6	0.6	0.7
58737	soil	13	26.5	<0.001	0.02	0.58	5.5	0.5	0.7
58738	soil	13	28.1	<0.001	0.07	0.69	6.6	0.9	0.8
58739	soil	15.1	30.3	<0.001	0.03	0.61	5.9	0.8	1.4
58740	soil	15.2	19.5	<0.001	0.03	2.81	4.6	1.6	1
58741	soil	14.1	23.7	0.001	0.04	3.03	4.9	1.4	0.9
58742	soil	22	28.1	<0.001	0.05	3.62	5.2	1.8	1.1
58743	soil	25.1	24.4	<0.001	0.03	3.87	6	1.9	1.3
58744	soil	17.2	40.7	<0.001	0.08	1	7.2	1.3	2.5
58745	soil	14.4	24.8	<0.001	0.08	0.71	5.1	0.8	1.9
58746	soil	11.2	17.4	<0.001	0.03	0.67	5.2	0.7	0.7
58747	soil	12.2	14	<0.001	0.03	0.59	4.1	0.7	0.7
58748	soil	12.9	16.2	<0.001	0.04	0.46	4	0.7	0.7
58749	soil	13	16.3	<0.001	0.03	0.6	3.8	0.5	0.6
58750	soil	10.1	20.6	<0.001	0.04	0.48	5.3	0.5	0.8
58751	soil	10.7	14.5	0.001	0.06	0.5	4.8	1	0.8
58752	soil	10.9	12.7	<0.001	0.09	0.58	2.9	0.6	1
58753	soil	11	9.9	<0.001	0.05	0.64	5.4	1	0.8
58754	soil	12.2	12.5	<0.001	0.04	0.7	2.5	0.5	0.8
58755	soil	11.4	17.8	<0.001	0.05	0.59	2.8	0.5	0.6
58756	soil	14.6	14.3	<0.001	0.02	0.67	3.8	0.4	0.6
58757	soil	14.6	17.9	<0.001	0.02	0.75	3.7	0.4	0.7
58758	soil	9.7	15.7	<0.001	0.02	0.61	5.7	0.5	0.6
58759	soil	8.8	12.2	<0.001	0.03	0.65	4.2	0.5	0.5
58760	soil	12.7	7.1	<0.001	0.03	0.67	3.4	0.5	0.8
58761	soil	10	11.1	<0.001	0.03	0.57	5.4	0.6	0.5
58762	soil	10.5	21.9	<0.001	0.03	0.85	3.2	0.3	0.7
58763	soil	9.9	17.1	<0.001	0.02	0.63	2	0.3	0.7
58764	soil	8.5	21	<0.001	0.05	0.66	2.5	0.4	0.6
58765	soil	11.1	23.7	<0.001	0.03	0.59	2.9	0.3	0.6
58766	soil	11	23.2	<0.001	0.02	0.48	4.9	0.4	0.7
58767	soil	10.3	26.3	<0.001	0.04	0.47	4.3	0.5	0.6
58768	soil	14.1	28	<0.001	0.02	0.5	4.6	0.4	0.7
58769	soil	14	30.4	<0.001	0.03	0.58	5.8	0.4	0.7
58770	soil	12	30.8	<0.001	0.03	0.65	4.1	0.4	0.8
58771	soil	11.4	26.8	<0.001	0.02	0.5	5.2	0.4	0.7
58772	soil	10	16.7	<0.001	0.02	0.5	3.6	0.3	0.6
58773	soil	17.3	22	<0.001	0.02	0.65	5.3	0.4	0.7

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm
58774	soil	9.5	20.4	<0.001	0.02	0.58	4.4	0.4	0.5
58775	soil	12.5	23.5	<0.001	0.02	0.61	5.3	0.4	0.7
58776	soil	11.6	22.8	<0.001	0.04	0.54	4.7	0.6	0.7
58777	soil	9	23.3	<0.001	0.01	0.52	4.5	0.3	0.6
58778	soil	22.1	41.2	<0.001	0.04	1.07	6.6	0.6	1.1
58779	soil	10.4	21.4	<0.001	0.02	0.54	4.3	0.3	0.6
58780	soil	30.9	28	<0.001	0.01	0.68	7.1	0.5	0.6
58781	soil	12	29.3	<0.001	0.03	0.46	6	0.6	0.7
58782	soil	18.4	24.5	<0.001	0.02	0.75	6.1	0.5	0.7
58783	soil	17.2	32.2	<0.001	0.02	0.73	5.9	0.4	0.7
58784	soil	40.6	26.5	<0.001	0.02	0.95	7.2	0.5	0.6
58785	soil	29.6	22.3	0.001	0.06	0.94	6.9	0.9	0.5
58786	soil	26.1	29.5	<0.001	0.02	0.61	7.3	0.4	0.7
58787	soil	17.9	36.2	<0.001	0.02	0.63	8	0.5	0.7
58788	soil	14.9	30.4	<0.001	0.03	0.58	7.7	0.5	0.7
58789	soil	21.2	28	<0.001	0.03	0.76	6.6	0.4	0.7
58790	soil	10.2	14.8	<0.001	0.04	0.6	6.7	0.6	0.5
58791	soil	11.4	24.8	<0.001	0.04	0.63	7.6	0.7	0.6
58792	soil	40.4	25.3	<0.001	0.04	0.62	7.3	0.5	0.7
58793	soil	20.5	17.6	0.001	0.06	0.54	6.1	0.7	0.5
58794	soil	17	23.1	<0.001	0.02	0.53	8.2	0.6	0.7
58795	soil	11.1	12.9	<0.001	0.08	0.76	6	1	0.5
58796	soil	9	43.8	<0.001	0.02	0.57	10.1	0.6	1.2
58797	soil	9.7	16.3	<0.001	0.01	0.43	9.3	0.6	0.6
58798	soil	18.9	37.4	<0.001	0.01	1.54	7.2	0.3	1
58799	soil	17.9	26.3	<0.001	0.01	2.1	7.3	0.3	0.7
58800	soil	22.7	21.5	<0.001	0.05	2	7.3	0.9	0.5
58801	soil	22.1	22.5	<0.001	0.02	1.39	8.6	0.9	0.4
58802	soil	11.8	26.5	<0.001	0.01	0.84	8	0.6	0.7
58803	soil	18.6	18	<0.001	0.01	1.02	3.9	0.2	0.5
58804	soil	14.1	24.5	<0.001	0.01	1.2	9.4	0.4	0.6
58805	soil	13.3	17.4	<0.001	0.01	1.3	5.2	0.3	0.4
58806	soil	10.9	18.4	<0.001	0.01	0.58	5.8	0.2	0.7
58807	soil	14	22.7	<0.001	0.01	0.63	5.1	0.3	0.8
58808	soil	12	14.2	<0.001	0.01	0.66	7	0.4	0.7
58809	soil	19.3	20.4	<0.001	0.01	0.83	5.3	0.3	0.6
58810	soil	14.7	25	<0.001	0.01	0.84	5.7	0.3	0.6
58811	soil	10.4	13.9	<0.001	0.01	0.44	4.7	0.3	0.6
58812	soil	10.9	14.2	<0.001	0.01	0.73	5.4	0.4	0.6
58813	soil	13.9	23.8	<0.001	0.01	0.9	5.9	0.4	0.7
58814	soil	13.3	14.3	<0.001	0.01	0.6	6.1	0.5	0.6
58815	soil	30	16.6	<0.001	0.01	0.95	5.4	0.3	0.5
58816	soil	11.4	26.2	<0.001	0.01	0.65	5.7	0.3	0.9
58817	soil	20	27.5	<0.001	0.01	1.11	4.8	0.2	0.6
58818	soil	28.2	23.4	<0.001	0.01	1.6	10.7	0.7	0.6
58819	soil	11	24.3	<0.001	0.01	0.62	4.8	0.2	0.7
58820	soil	17.2	31.6	<0.001	0.01	1.49	6	0.3	0.7
58821	soil	10.3	40.5	<0.001	0.03	0.75	7.4	0.4	1.5
58822	soil	12.7	14.4	0.001	0.02	0.85	8.5	0.8	0.5
58823	soil	14.9	15.5	<0.001	0.02	0.98	5.5	0.4	0.5
58824	soil	14.4	47.4	0.001	0.03	1.02	13.1	1.8	0.9

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm
58825	soil	23.8	37.3	<0.001	0.02	0.75	6.7	0.4	1
58826	soil	14	39.3	<0.001	0.02	0.53	7.3	0.4	1.2
58827	soil	13.8	22.1	<0.001	0.03	0.8	8.7	0.9	0.8
58828	soil	12.4	23.2	<0.001	0.03	0.63	5	0.5	0.7
58829	soil	14	19.4	<0.001	0.04	0.79	4.7	0.7	0.7
58830	soil	12.5	16.2	<0.001	0.03	0.69	9	0.9	0.7
58831	soil	9.2	11.3	<0.001	0.04	0.45	4.6	0.6	0.5
58832	soil	11	12.7	<0.001	0.03	0.48	4.9	0.6	0.6
58833	soil	11.5	12.7	<0.001	0.04	0.5	4.4	0.5	0.6
58834	soil	14.6	10.2	<0.001	0.04	0.64	3.3	0.5	0.8
58835	soil	14	11.6	<0.001	0.05	0.57	5	0.7	0.6
58836	soil	12.2	7.3	<0.001	0.02	0.7	2.5	0.3	1
58837	soil	13.5	9	<0.001	0.05	0.76	3.9	0.6	0.8
58838	soil	9.4	9.2	<0.001	0.03	0.81	5.2	0.7	0.5
58839	soil	10.6	10.5	0.001	0.04	0.72	5.1	0.6	0.5
58840	soil	14.7	10.8	<0.001	0.05	0.86	5.1	0.7	0.5
58841	soil	14	20.3	<0.001	0.04	0.43	5.5	0.6	0.7
58842	soil	12.7	16.2	<0.001	0.04	0.45	6.6	0.7	0.6
58843	soil	10.4	23.2	<0.001	0.04	0.41	5.9	0.6	0.7
58844	soil	10.4	18.2	<0.001	0.03	0.5	6	0.5	0.7
58845	soil	10.2	30.3	<0.001	0.03	0.66	6.9	0.7	0.8
58846	soil	11.2	23.9	<0.001	0.02	0.64	5.7	0.5	0.7
58847	soil	12.6	20.8	<0.001	0.02	0.51	4.5	0.4	0.7
58848	silt	9.4	18.2	<0.001	0.05	0.91	4.6	0.9	0.6
58849	rock	18.2	14.1	<0.001	<0.01	0.43	3.3	0.3	0.2
58850	rock	7.4	25.9	<0.001	0.39	0.74	3.1	0.5	1
58851	rock	5.4	56.1	<0.001	0.83	0.58	3.4	0.2	7.3
58852	rock	6.7	30.2	<0.001	0.08	0.48	5.6	0.2	2.8
58853	rock	18.5	16	<0.001	0.1	1.54	2.2	0.2	0.6
58854	rock	15.2	13.7	<0.001	<0.01	1.08	4.8	0.2	0.2
58855	rock	12.2	17.3	<0.001	0.89	0.79	4.2	0.3	<0.2
58856	rock	3.5	6.1	0.006	1.18	0.63	0.4	1	0.2
58857	rock	3770	18.5	<0.001	<0.01	13.3	2.2	<0.2	0.2
58858	rock	20000	9.4	0.001	0.08	1875	2.1	1.8	7.4

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm
58859	rock	405	17.3	<0.001	1.31	6.36	1.7	0.2	3.2
58860	rock	115	11.5	<0.001	0.02	0.85	5.3	0.8	<0.2
58861	rock	140.5	7.5	<0.001	0.01	1.55	4.7	0.7	<0.2
10FA01	Station								
10FA02	Station								
10FA03	Station								
10FA04	Station								
10FA05	Station								
10FA06	Station								
10FA07	Station								
10FA08	Station								
10FA09	Station								
10FA10	Station								
10FA11	Station								
10FA12	Station								
10FA13	Station								
10FA14	Station								

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm
58623	silt	59.6	<0.01	0.04	7.9	0.088	0.21	47.7	59
58624	soil	32.2	<0.01	0.02	2.2	0.105	0.1	1.39	73
58625	soil	53.6	<0.01	0.02	2	0.082	0.16	2.35	75
58626	soil	33.1	<0.01	0.02	2.7	0.075	0.23	3.16	77
58627	soil	39.7	<0.01	0.01	11	0.101	0.21	14.05	64
58628	soil	27.1	<0.01	0	12.4	0.103	0.16	6.28	55
58629	soil	43	<0.01	0.02	10	0.149	0.26	26.6	82
58630	soil	33.7	<0.01	0.03	7.3	0.128	0.27	6.64	76
58631	soil	24.8	<0.01	0.01	9.9	0.137	0.29	4.79	74
58632	soil	36.8	<0.01	0.02	8.8	0.098	0.29	29.5	71
58633	soil	24.7	<0.01	0.02	8.5	0.109	0.14	2.57	66
58634	soil	21.4	<0.01	0.03	2.1	0.097	0.14	2.95	71
58635	soil	24.8	<0.01	0.02	4.4	0.112	0.17	2.74	72
58636	soil	20.1	0.01	0.02	6.6	0.113	0.2	2.13	70
58637	soil	25.6	<0.01	0.03	3.4	0.116	0.2	2.32	75
58638	soil	16.6	<0.01	0.04	2	0.173	0.13	0.9	117
58639	soil	40.2	<0.01	0.04	1.7	0.076	0.37	10.45	78
58640	soil	33.7	<0.01	0.04	2.4	0.114	0.22	3.28	82
58641	soil	29.3	<0.01	0.03	1.1	0.083	0.17	5.65	61
58642	soil	39.6	<0.01	0.02	4.5	0.121	0.31	4.04	72
58643	soil	76	0.01	0.05	1.2	0.06	0.25	11.2	60
58644	soil	24.6	<0.01	0.02	6.1	0.137	0.31	7.95	77
58645	soil	24.6	<0.01	0.03	6.4	0.128	0.29	5.82	76
58646	soil	21.4	<0.01	0.02	7.8	0.14	0.26	4.78	72
58647	soil	25.9	<0.01	0.03	5.9	0.132	0.18	2.61	74
58648	soil	17	<0.01	0.05	5.3	0.132	0.23	4.97	85
58649	soil	23	<0.01	0.05	3.8	0.117	0.18	4.17	77
58650	soil	23.7	<0.01	0.05	4.3	0.147	0.22	3.51	90
58651	soil	39.2	<0.01	0.04	4.6	0.135	0.24	5.12	77
58652	soil	22.9	<0.01	0.02	6.5	0.138	0.19	1.73	78
58653	soil	30	<0.01	0.03	0.5	0.09	0.14	2.85	50
58654	soil	34.6	<0.01	0.01	10	0.136	0.3	3.4	69
58655	soil	31	<0.01	0.04	1.2	0.111	0.13	2.23	74
58656	soil	36.6	<0.01	0.02	1.9	0.085	0.15	3.98	63
58657	soil	30.1	<0.01	0.02	2.4	0.115	0.17	2.48	65
58658	soil	41.2	<0.01	0.03	2.1	0.106	0.2	15.5	88
58659	soil	22.3	<0.01	0.03	1.7	0.111	0.12	1.45	77
58660	soil	24.6	<0.01	0.04	1.9	0.094	0.15	1.8	93
58661	soil	25.1	<0.01	0.03	0.7	0.076	0.1	1.49	55
58662	soil	18.9	<0.01	0.02	6.5	0.117	0.19	2.48	65
58663	soil	20.5	<0.01	0.03	7.5	0.13	0.19	3.62	69
58664	soil	19.5	<0.01	0.02	7.9	0.096	0.17	2.5	71
58665	soil	19.2	0.01	0.03	3.4	0.118	0.13	1.78	71
58666	soil	25.7	<0.01	0.02	7.8	0.132	0.15	2.75	74
58667	soil	24.5	<0.01	0.02	4.8	0.111	0.17	2.63	66
58668	soil	27.7	<0.01	0.02	4.2	0.078	0.22	2.03	66
58669	soil	24.8	<0.01	0.01	6.3	0.109	0.2	2.6	56
58670	soil	27.3	<0.01	0.02	7.8	0.102	0.25	2.87	68
58671	soil	41.4	<0.01	0.02	2	0.06	0.23	3.67	33

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm
58672	soil	41.4	<0.01	0.02	2.5	0.077	0.26	2.28	63
58673	soil	26.3	<0.01	0.02	1.5	0.086	0.17	1.27	59
58674	soil	25.9	<0.01	0.02	3.7	0.109	0.11	1.87	73
58675	soil	16.9	<0.01	0.03	0.2	0.046	0.16	1.5	56
58676	soil	11.2	<0.01	0.04	1.6	0.126	0.14	0.96	93
58677	soil	29.5	<0.01	0.02	7.9	0.107	0.13	2.7	65
58678	soil	36.1	<0.01	0.02	9.8	0.122	0.18	3.86	79
58679	soil	32.4	<0.01	0.02	10.6	0.128	0.23	4.73	77
58680	soil	36.3	<0.01	0.03	11.8	0.145	0.22	5.57	83
58681	soil	30.2	<0.01	0.01	6.8	0.123	0.16	2.27	62
58682	soil	31	<0.01	0.03	4	0.111	0.19	1.93	78
58683	soil	44.2	<0.01	0.04	3.1	0.078	0.22	3.01	84
58684	soil	36.5	<0.01	0.03	5.8	0.061	0.22	1.81	61
58685	soil	43.4	<0.01	0.04	3.4	0.094	0.21	4.11	71
58686	soil	52.6	<0.01	0.03	6.3	0.087	0.34	5.69	79
58687	soil	38.9	<0.01	0.02	3.4	0.064	0.15	2.14	63
58688	soil	58.3	<0.01	0.03	3.5	0.064	0.22	4.21	68
58689	soil	27.5	<0.01	0.03	4.2	0.084	0.23	1.96	79
58690	soil	21.6	<0.01	0.02	2.5	0.08	0.24	2.34	62
58691	soil	14.2	<0.01	0.02	4.1	0.088	0.23	3.01	69
58692	soil	19.1	<0.01	0.03	4.2	0.113	0.26	1.95	77
58693	soil	20.6	<0.01	0.02	5.1	0.111	0.27	2.05	72
58694	soil	33.6	<0.01	0.02	6.1	0.11	0.3	3.54	58
58695	soil	38.7	<0.01	0.03	5.8	0.118	0.27	4.89	73
58696	soil	30	<0.01	0.03	4.5	0.146	0.2	1.79	77
58697	soil	27.3	<0.01	0.03	5.6	0.158	0.19	1.53	82
58698	soil	32.5	<0.01	0.02	3.7	0.124	0.2	1.83	71
58699	soil	42.1	<0.01	0.03	4.5	0.131	0.23	1.86	85
58700	soil	26	<0.01	0.03	2.6	0.149	0.15	0.75	78
58701	soil	28.4	0.01	0.03	6.2	0.161	0.2	1.46	82
58702	soil	72.1	<0.01	0.02	11.1	0.007	0.23	0.91	38
58703	soil	29.1	<0.01	0.02	24.5	0.226	0.84	2.33	77
58704	soil	15.8	0.01	0.04	7.6	0.157	0.25	0.95	96
58705	soil	19.2	0.02	0.03	10.6	0.16	0.21	2.02	75
58706	soil	21.7	<0.01	0.02	7.4	0.119	0.22	1.53	67
58707	soil	32.2	<0.01	0.03	13	0.135	0.33	4.31	84
58708	soil	32.9	<0.01	0.03	9.6	0.161	0.29	2.59	72
58709	soil	17.7	<0.01	0.03	4.2	0.05	0.16	1.36	75
58710	soil	14.5	<0.01	0.02	0.3	0.063	0.12	0.95	49
58711	soil	24.3	<0.01	0.05	12.1	0.045	0.14	4.22	52
58712	soil	23.1	0.01	0.02	18.4	<0.005	0.08	7.74	28
58713	soil	18.1	<0.01	0.02	12	0.058	0.15	2.26	48
58714	soil	19.7	<0.01	0.03	4.5	0.079	0.17	0.81	69
58715	soil	21.3	0.01	0.03	6.9	0.148	0.19	1.22	74
58716	soil	17.8	<0.01	0.05	2.3	0.077	0.16	2.46	93
58717	soil	20.3	<0.01	0.04	6.4	0.146	0.26	1.52	78
58718	soil	20.2	<0.01	0.03	0.7	0.075	0.15	1.03	65
58719	soil	18.9	<0.01	0.04	3.7	0.118	0.17	1.44	84
58720	soil	12.8	<0.01	0.04	6.7	0.076	0.22	0.96	77
58721	soil	16.3	<0.01	0.03	3.8	0.094	0.15	1.43	65
58722	soil	27.8	0.01	0.02	11.3	0.156	0.31	4.34	79

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm
58723	soil	22.8	<0.01	0.03	3.2	0.132	0.23	1.22	69
58724	soil	36.2	<0.01	0.03	5.5	0.14	0.18	1.57	72
58725	soil	26.1	<0.01	0.03	4.4	0.147	0.19	0.98	84
58726	soil	28.2	<0.01	0.02	4.8	0.154	0.23	1.1	77
58727	soil	36	<0.01	0.03	5.8	0.13	0.22	2.16	74
58728	soil	20.1	<0.01	0.02	4.5	0.134	0.18	1.44	77
58729	soil	15.7	0.02	0.04	5.4	0.136	0.16	0.78	83
58730	soil	24.7	<0.01	0.03	5.2	0.123	0.21	1.42	77
58731	soil	28.8	<0.01	0.03	11.4	0.111	0.28	5.92	78
58732	soil	23.9	0.01	0.03	12.3	0.131	0.28	4.88	81
58733	soil	28	<0.01	0.02	4.3	0.096	0.24	2.07	73
58734	soil	35.4	<0.01	0.03	2.1	0.089	0.18	2.12	78
58735	soil	36.7	<0.01	0.03	2.3	0.08	0.21	3.55	75
58736	soil	39.5	<0.01	0.04	3.5	0.084	0.24	4.19	77
58737	soil	33.1	<0.01	0.03	7.5	0.095	0.19	2.54	73
58738	soil	43.3	<0.01	0.03	3.4	0.08	0.25	6.36	77
58739	soil	42.1	<0.01	0.06	6.2	0.144	0.4	4.13	79
58740	soil	44.7	<0.01	0.07	4	0.091	0.25	8.75	71
58741	soil	57.7	<0.01	0.06	3.5	0.077	0.32	9.11	66
58742	soil	71.9	<0.01	0.07	5.1	0.085	0.34	6.25	76
58743	soil	15.1	<0.01	0.14	11.4	0.058	0.36	9.52	66
58744	soil	40.7	<0.01	0.08	10.7	0.105	0.55	8.59	89
58745	soil	46	0.02	0.07	7.7	0.115	0.39	2.87	79
58746	soil	36.7	0.01	0.05	5	0.125	0.2	2.57	71
58747	soil	34	<0.01	0.06	1.5	0.107	0.18	3.48	70
58748	soil	34	<0.01	0.05	2.2	0.101	0.2	7.81	72
58749	soil	46.4	<0.01	0.14	2.6	0.11	0.2	3.91	64
58750	soil	79	<0.01	0.09	6.3	0.134	0.33	8.25	66
58751	soil	76.1	<0.01	0.18	7.6	0.11	0.25	8.17	65
58752	soil	53.5	<0.01	0.15	2.3	0.09	0.15	3.01	49
58753	soil	26.4	0.01	0.15	3.1	0.108	0.17	3.57	73
58754	soil	23.3	<0.01	0.08	1.1	0.12	0.14	0.94	86
58755	soil	50.4	0.01	0.06	0.8	0.09	0.2	3.05	62
58756	soil	40.4	<0.01	0.09	4.2	0.103	0.21	2.66	61
58757	soil	46.1	<0.01	0.1	2.2	0.119	0.2	2.2	62
58758	soil	42.1	0.01	0.06	5.9	0.113	0.15	2.95	64
58759	soil	36.5	0.01	0.06	2.9	0.127	0.12	1.61	70
58760	soil	16.1	0.01	0.05	1.7	0.123	0.11	0.5	96
58761	soil	17.4	0.02	0.04	3.8	0.126	0.12	0.83	70
58762	soil	41.9	0.01	0.06	3.5	0.15	0.17	0.85	90
58763	soil	18.8	<0.01	0.02	1.7	0.103	0.12	0.71	57
58764	soil	30.2	<0.01	0.05	0.9	0.106	0.14	1.59	78
58765	soil	29.8	<0.01	0.03	1.2	0.115	0.1	1.31	73
58766	soil	31.5	<0.01	0.04	5	0.127	0.18	3.01	84
58767	soil	36.7	<0.01	0.03	2.3	0.116	0.15	2.53	76
58768	soil	35.8	<0.01	0.03	5.9	0.117	0.21	1.82	85
58769	soil	38.2	0.01	0.03	9.1	0.161	0.28	1.65	90
58770	soil	56.7	0.01	0.04	3	0.128	0.26	1.79	67
58771	soil	47.3	<0.01	0.02	4.3	0.137	0.23	2.14	89
58772	soil	19.8	<0.01	0.03	3.6	0.145	0.17	0.93	65
58773	soil	43.7	0.01	0.03	9.8	0.109	0.24	3.56	63

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm
58774	soil	32.5	<0.01	0.03	7.2	0.146	0.21	2.4	64
58775	soil	36.1	<0.01	0.04	7.9	0.163	0.28	3.92	81
58776	soil	28.9	<0.01	0.05	2.6	0.123	0.23	4.05	70
58777	soil	32.8	<0.01	0.04	7.5	0.144	0.26	2.56	66
58778	soil	69.7	0.01	0.07	10.9	0.157	0.43	6.47	79
58779	soil	38.6	<0.01	0.05	7	0.15	0.21	2.41	69
58780	soil	35.8	<0.01	0.03	13.6	0.108	0.26	3.1	65
58781	soil	34.5	<0.01	0.02	6.7	0.093	0.22	4.79	66
58782	soil	38.6	<0.01	0.02	9.8	0.078	0.22	3.38	61
58783	soil	33.6	<0.01	0.02	11.6	0.093	0.32	2.18	63
58784	soil	33.7	<0.01	0.02	14.1	0.075	0.28	2.79	53
58785	soil	65.5	0.01	0.02	6.4	0.048	0.2	6.67	52
58786	soil	38.8	<0.01	0.02	10.3	0.114	0.33	2.33	68
58787	soil	37.1	<0.01	0.02	11.7	0.123	0.41	3.27	70
58788	soil	45	<0.01	0.02	9.4	0.131	0.32	3.8	71
58789	soil	38.5	<0.01	0.02	9.5	0.127	0.32	2.24	72
58790	soil	48.9	<0.01	0.03	4.9	0.127	0.14	2.66	67
58791	soil	47.2	<0.01	0.02	6.7	0.103	0.23	4.16	68
58792	soil	49.8	<0.01	0.02	7.8	0.11	0.27	3.98	68
58793	soil	61	<0.01	0.03	3.7	0.095	0.2	3.1	66
58794	soil	38.2	<0.01	0.02	7.7	0.132	0.22	2.96	73
58795	soil	82.7	0.01	0.03	2.9	0.091	0.12	4.25	65
58796	soil	38.9	0.01	0.02	14.3	0.222	0.44	6.52	98
58797	soil	44.6	<0.01	0.02	7.8	0.135	0.1	2.88	71
58798	soil	28.6	<0.01	0.02	11.5	0.147	0.3	1.46	86
58799	soil	19.9	<0.01	0.02	16.2	0.076	0.26	2.06	78
58800	soil	69.1	0.01	0.02	6.3	0.061	0.13	4.2	55
58801	soil	41.7	0.01	0.03	12.1	0.028	0.17	6.44	45
58802	soil	36.1	0.01	0.02	14.1	0.09	0.26	3.24	68
58803	soil	12.5	<0.01	0.05	8.6	0.018	0.19	2.12	57
58804	soil	20.7	<0.01	0.02	18.8	0.069	0.23	3	64
58805	soil	26.6	<0.01	0.03	10.8	0.035	0.16	2.97	59
58806	soil	15.9	<0.01	0.02	13.9	0.036	0.18	2.06	67
58807	soil	12.7	<0.01	0.03	7.6	0.037	0.19	1.32	82
58808	soil	17.8	0.01	0.03	7.9	0.099	0.18	1.28	82
58809	soil	12.3	0.01	0.05	8.6	0.055	0.18	1.49	70
58810	soil	18.6	<0.01	0.02	11.2	0.038	0.21	1.41	66
58811	soil	15.4	0.01	0.03	4.3	0.088	0.13	0.61	71
58812	soil	16.4	0.01	0.03	5.8	0.094	0.14	0.73	70
58813	soil	15	<0.01	0.03	9.4	0.053	0.2	1.29	67
58814	soil	16.3	0.01	0.03	6.9	0.073	0.17	1.32	71
58815	soil	19.4	<0.01	0.03	8.8	0.059	0.19	1.05	65
58816	soil	20.4	<0.01	0.05	7.4	0.062	0.24	1.49	85
58817	soil	15.7	<0.01	0.03	10.2	0.017	0.22	1.95	57
58818	soil	30	0.01	0.04	13.7	0.037	0.18	4.74	56
58819	soil	21.6	<0.01	0.02	8.7	0.055	0.19	1.67	66
58820	soil	21.7	<0.01	0.03	13.9	0.046	0.3	3.55	51
58821	soil	29.1	<0.01	0.03	8.8	0.184	0.35	1.28	94
58822	soil	30.4	0.01	0.02	11	0.043	0.13	3.14	50
58823	soil	13.3	<0.01	0.02	10.2	0.041	0.15	2.32	61
58824	soil	35.8	0.02	0.04	22.8	0.106	0.55	6.01	57

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm
58825	soil	12.3	<0.01	0.04	12.3	0.051	0.36	2.29	67
58826	soil	14.2	<0.01	0.03	11.8	0.049	0.9	2.06	68
58827	soil	46.6	0.01	0.03	8.8	0.097	0.71	3.92	60
58828	soil	29.9	0.01	0.04	8.1	0.131	0.34	3.09	71
58829	soil	21.6	0.01	0.05	8.8	0.136	0.25	1.75	71
58830	soil	23.5	0.01	0.05	10.3	0.141	0.26	2.88	79
58831	soil	31.5	0.01	0.04	5.2	0.124	0.16	1.47	69
58832	soil	25.7	0.01	0.04	4.2	0.131	0.16	1.42	76
58833	soil	26.7	0.01	0.03	6	0.132	0.15	2.02	78
58834	soil	15.5	<0.01	0.05	3.5	0.153	0.12	0.92	98
58835	soil	37.4	0.02	0.05	6.1	0.121	0.17	3.01	78
58836	soil	13.9	<0.01	0.04	3	0.149	0.13	0.66	98
58837	soil	14.6	0.02	0.07	2	0.108	0.13	0.95	98
58838	soil	34.1	0.01	0.03	5.1	0.097	0.13	2.26	63
58839	soil	23.9	0.01	0.05	3.9	0.126	0.12	1.44	71
58840	soil	23.4	0.01	0.05	4.7	0.109	0.14	2.06	65
58841	soil	35.2	<0.01	0.04	4.9	0.103	0.17	4.17	72
58842	soil	44.5	0.01	0.03	7.4	0.114	0.18	4.41	73
58843	soil	77	0.01	0.02	6.6	0.136	0.24	2.04	69
58844	soil	42.1	0.01	0.03	6.8	0.139	0.21	1.67	78
58845	soil	51.9	0.01	0.03	11.5	0.179	0.3	1.73	84
58846	soil	34.8	0.01	0.03	8.9	0.153	0.31	3.54	77
58847	soil	24.4	<0.01	0.04	5.9	0.148	0.2	1.72	82
58848	silt	47.7	0.01	0.03	7.3	0.09	0.21	16.8	59
58849	rock	48.2	<0.01	<0.01	13.9	<0.005	0.1	4.98	18
58850	rock	32.3	<0.01	0.3	10.7	0.026	0.26	2.34	27
58851	rock	25.1	<0.01	0.05	16.2	0.042	0.61	3.67	31
58852	rock	35.6	<0.01	0.02	16.2	0.166	0.32	3.2	57
58853	rock	38.9	0.01	0.13	13	0.096	0.16	1.76	27
58854	rock	16.5	<0.01	<0.01	11.9	<0.005	0.13	4.08	18
58855	rock	140	<0.01	<0.01	10.2	<0.005	0.18	9.18	18
58856	rock	5.6	<0.01	0.12	6.1	<0.005	0.07	2.04	3
58857	rock	6.8	<0.01	<0.01	12.8	<0.005	0.32	11.8	6
58858	rock	28.6	0.01	0.05	3.9	<0.005	0.13	331	35

Appendix 1 2010 POKER Sample Data

Sample ID	Type	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm
58859	rock	50.1	0.01	0.01	12.3	0.074	0.15	2.74	22
58860	rock	254	0.01	0.01	8.6	<0.005	0.11	2.94	53
58861	rock	140	0.01	0.04	7.5	<0.005	0.2	21	15
10FA01	Station								
10FA02	Station								
10FA03	Station								
10FA04	Station								
10FA05	Station								
10FA06	Station								
10FA07	Station								
10FA08	Station								
10FA09	Station								
10FA10	Station								
10FA11	Station								
10FA12	Station								
10FA13	Station								
10FA14	Station								

Appendix 1 2010 POKER Sample Data

Sample ID	Type	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
58623	silt	9.82	11.65	61	0.6
58624	soil	0.31	3.65	50	0.7
58625	soil	0.15	4.31	61	0.7
58626	soil	0.42	6.21	63	0.6
58627	soil	0.13	12	85	2.9
58628	soil	0.15	10.95	80	3
58629	soil	0.16	18.95	80	3.6
58630	soil	0.16	10	76	1.8
58631	soil	0.16	8.4	60	2.9
58632	soil	0.16	11.4	71	1.6
58633	soil	0.17	7.09	69	0.8
58634	soil	0.16	6.55	71	0.5
58635	soil	0.3	6.11	61	1
58636	soil	0.18	9.5	62	2
58637	soil	0.2	6.32	58	0.9
58638	soil	0.21	2.37	53	1
58639	soil	0.19	14.25	52	0.6
58640	soil	0.2	5.5	68	0.7
58641	soil	0.22	8.9	46	0.8
58642	soil	0.28	6.96	60	1.3
58643	soil	0.21	13.8	45	1.2
58644	soil	0.21	10.35	63	1.6
58645	soil	0.22	8.29	58	1.7
58646	soil	0.35	8.37	143	2.4
58647	soil	0.25	6.19	51	1.5
58648	soil	0.34	6.2	53	1.8
58649	soil	0.29	4.99	65	1.7
58650	soil	0.31	6.09	54	1.5
58651	soil	0.24	9.01	57	1.4
58652	soil	0.26	5.5	75	1.9
58653	soil	0.18	5.44	39	0.7
58654	soil	0.32	9.8	61	1.5
58655	soil	0.25	7.52	60	1
58656	soil	0.29	6.94	69	0.6
58657	soil	0.21	5.56	59	1.1
58658	soil	0.24	18.1	66	0.8
58659	soil	0.24	3.85	46	1.2
58660	soil	0.18	3.49	69	0.9
58661	soil	0.13	4.47	40	0.6
58662	soil	0.2	8.77	61	2.4
58663	soil	0.22	11.05	57	2.6
58664	soil	0.49	10.55	57	1.4
58665	soil	0.39	7.07	52	1.4
58666	soil	0.21	12.5	62	6.4
58667	soil	0.2	8.98	63	1.5
58668	soil	0.2	7.42	68	0.9
58669	soil	0.29	8.52	55	2.1
58670	soil	0.21	9.7	72	1.8
58671	soil	0.14	10.9	60	1.1

Appendix 1 2010 POKER Sample Data

Sample ID	Type	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
58672	soil	0.14	8.62	72	0.9
58673	soil	0.18	4.18	64	0.7
58674	soil	0.17	8.93	62	1.3
58675	soil	0.12	3.89	38	<0.5
58676	soil	0.19	2.94	37	1.1
58677	soil	0.2	11.6	79	3.7
58678	soil	0.18	14.85	103	5.8
58679	soil	0.21	13.75	99	3.9
58680	soil	0.22	15.55	81	7.1
58681	soil	0.17	7.17	72	2.4
58682	soil	0.19	6.27	97	1.2
58683	soil	0.4	8.45	91	1.1
58684	soil	1.39	8.37	71	1
58685	soil	0.39	11	63	1.1
58686	soil	0.49	17.8	77	1.2
58687	soil	0.54	9.53	71	0.7
58688	soil	0.91	15.9	72	1
58689	soil	2.27	6.19	80	0.8
58690	soil	0.72	5.17	75	0.8
58691	soil	1.6	7.65	59	0.9
58692	soil	0.86	6.26	75	1
58693	soil	0.6	6.4	72	1.2
58694	soil	1.68	9.23	70	1.3
58695	soil	0.38	9.44	88	1.4
58696	soil	0.34	8.03	83	1.5
58697	soil	1.12	7.57	91	1.6
58698	soil	0.21	7.39	72	1.2
58699	soil	0.25	6.65	74	1.4
58700	soil	0.19	4.66	58	1.8
58701	soil	0.25	7.34	58	2.3
58702	soil	0.36	9.11	43	1
58703	soil	0.45	17.3	79	2.4
58704	soil	0.19	5.45	59	5.8
58705	soil	0.28	9.5	54	9.2
58706	soil	0.28	7.12	68	2.2
58707	soil	0.42	16.25	66	3.8
58708	soil	0.45	12.05	66	3.6
58709	soil	0.28	6.66	58	0.8
58710	soil	0.14	2.9	18	0.5
58711	soil	0.49	15.6	69	0.9
58712	soil	0.53	55.1	112	5
58713	soil	0.33	9.95	54	1.3
58714	soil	0.23	4.49	48	2.3
58715	soil	0.24	8.32	59	3.5
58716	soil	0.29	9.87	50	1
58717	soil	0.21	7.97	63	2.2
58718	soil	0.2	5.17	30	0.6
58719	soil	0.26	7.55	48	1.3
58720	soil	0.21	5.19	76	2.3
58721	soil	0.18	5.21	55	1
58722	soil	0.21	21	141	3.7

Appendix 1 2010 POKER Sample Data

Sample ID	Type	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
58723	soil	0.24	5.57	212	1.4
58724	soil	0.18	11.7	70	2.9
58725	soil	0.18	5.29	60	2.2
58726	soil	0.17	6.91	59	1.9
58727	soil	0.19	12.2	66	2.3
58728	soil	0.18	6.94	66	2.1
58729	soil	0.21	4.35	52	3.8
58730	soil	0.18	6.79	67	1.6
58731	soil	0.18	14.7	77	2.6
58732	soil	0.17	18	80	3.5
58733	soil	0.29	7.51	77	1.3
58734	soil	0.22	7.79	80	0.9
58735	soil	0.57	13.9	80	0.9
58736	soil	0.63	11.65	75	0.9
58737	soil	0.25	9.68	83	1.1
58738	soil	0.93	18.9	76	1.1
58739	soil	5.61	6.46	55	1.5
58740	soil	1.42	6.73	61	1
58741	soil	1.58	7.77	58	0.8
58742	soil	2.92	9	48	0.8
58743	soil	4.95	9.51	43	0.9
58744	soil	3.1	7.38	40	2.1
58745	soil	0.6	5.13	35	1.5
58746	soil	0.59	5.74	55	2
58747	soil	0.42	7.33	51	1.3
58748	soil	0.47	8.74	48	0.8
58749	soil	0.29	5.91	62	1.2
58750	soil	0.9	9.18	44	1.3
58751	soil	0.41	9.96	37	1.4
58752	soil	0.36	4.15	36	0.8
58753	soil	0.39	7.33	40	2.1
58754	soil	0.27	2.45	39	1.4
58755	soil	0.26	5.95	55	0.7
58756	soil	0.24	5.03	57	1
58757	soil	0.21	7.27	53	0.8
58758	soil	0.17	8.48	60	3.4
58759	soil	0.4	7.31	60	1.9
58760	soil	0.21	2.69	40	1.6
58761	soil	0.28	4.51	56	2.6
58762	soil	0.21	3.12	44	1.6
58763	soil	0.21	3.01	32	1
58764	soil	0.24	4.74	53	0.9
58765	soil	0.23	4.13	48	1
58766	soil	0.18	6.63	57	1.8
58767	soil	0.19	11	58	1.1
58768	soil	0.19	4.79	68	1.3
58769	soil	0.23	6.38	74	2.3
58770	soil	2.05	6.6	55	0.9
58771	soil	0.44	6.79	67	1.7
58772	soil	0.25	3.84	53	1.6
58773	soil	1.33	10.9	60	1.7

Appendix 1 2010 POKER Sample Data

Sample ID	Type	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
58774	soil	0.23	6.68	60	2.4
58775	soil	0.31	7.82	66	2.8
58776	soil	0.31	6.63	65	1.6
58777	soil	0.33	7.71	54	2.1
58778	soil	2.54	15.1	61	1.5
58779	soil	0.44	6.5	61	1.6
58780	soil	0.49	18.7	86	3.7
58781	soil	0.32	19.85	62	1.2
58782	soil	1.16	16.65	67	1.5
58783	soil	0.47	13.25	75	1.7
58784	soil	0.28	19.7	104	3.1
58785	soil	0.36	38.1	75	1.4
58786	soil	0.49	11.4	96	2.4
58787	soil	0.54	14.6	89	3.1
58788	soil	7.39	13.6	80	2.4
58789	soil	0.51	10.95	85	1.9
58790	soil	0.56	13.7	76	6.6
58791	soil	0.34	15.55	67	1.9
58792	soil	0.54	13.9	108	2.3
58793	soil	0.42	12.75	69	2
58794	soil	0.49	15.15	76	3.4
58795	soil	0.36	15	68	3.2
58796	soil	0.32	20.6	89	4.5
58797	soil	0.32	19.55	56	5.1
58798	soil	0.29	7.37	84	2.6
58799	soil	0.83	7.3	88	3.7
58800	soil	0.59	43.3	76	1.6
58801	soil	0.74	48.5	60	2.3
58802	soil	0.94	22.8	75	2.5
58803	soil	0.46	4.29	53	1
58804	soil	0.76	10.2	74	6
58805	soil	1.42	5.86	70	1.5
58806	soil	0.58	6.81	66	6.7
58807	soil	0.3	4.4	71	3.3
58808	soil	0.34	7.04	55	6.5
58809	soil	0.49	5.48	64	2.8
58810	soil	0.38	8.74	57	6.3
58811	soil	0.3	3.97	55	6.5
58812	soil	0.35	4.48	51	6.5
58813	soil	0.55	7.99	64	2.1
58814	soil	0.39	10.75	52	3.1
58815	soil	0.47	8.1	59	5.4
58816	soil	1.59	7.58	58	0.9
58817	soil	1.16	4.35	57	3
58818	soil	1.01	38.3	68	3.4
58819	soil	0.44	4.3	67	1.9
58820	soil	0.51	11.05	75	3.9
58821	soil	0.71	5.5	84	5.2
58822	soil	0.47	22.9	48	3.7
58823	soil	0.53	6.37	59	3
58824	soil	0.86	62.3	86	6.9

Appendix 1 2010 POKER Sample Data

Sample ID	Type	W_ppm	Y_ppm	Zn_ppm	Zr_ppm			
58825	soil	0.72	7.7	83	4.8			
58826	soil	0.37	9.29	77	3			
58827	soil	0.35	19.9	76	6			
58828	soil	0.52	7.53	50	2.2			
58829	soil	0.35	5.01	68	2.5			
58830	soil	0.22	7.65	68	11.6			
58831	soil	0.23	5.04	53	1.8			
58832	soil	0.38	5.58	60	2			
58833	soil	0.68	5.09	64	1.7			
58834	soil	0.25	2.77	44	1.7			
58835	soil	0.32	6.97	62	1.9			
58836	soil	0.23	2.03	28	1.9			
58837	soil	0.22	3.52	44	1.3			
58838	soil	0.18	8.58	54	2.9			
58839	soil	0.26	6.21	61	2.2			
58840	soil	0.23	4.8	61	2.6			
58841	soil	0.39	8.61	65	1.2			
58842	soil	0.23	14.05	69	1.5			
58843	soil	0.28	10.25	73	1.1			
58844	soil	0.31	7.73	65	2			
58845	soil	1.58	10.25	80	2.3			
58846	soil	0.89	8.55	65	1.7			
58847	soil	0.48	4.62	58	2.1			
58848	silt	0.9	11.4	77	0.6			
58849	rock	0.2	24.5	50	2.5			
58850	rock	0.71	3.57	14	1.7			
58851	rock	0.24	3.97	9	1.6			
58852	rock	0.7	10.15	21	1.2			
58853	rock	0.52	5.45	26	1.7			
58854	rock	0.73	16.25	32	3.2			
58855	rock	0.17	28.1	57	2			
58856	rock	0.28	1.59	5	2.6			
58857	rock	0.61	5.95	145	1.9	3.77		
58858	rock	30	26.6	1500	4.6	>1500	>20.0	1780

Appendix 1 2010 POKER Sample Data

Sample ID	Type	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
58859	rock	0.49	5.94	49	0.8
58860	rock	0.29	30.5	445	2.4
58861	rock	0.16	22.8	68	5
10FA01	Station				
10FA02	Station				
10FA03	Station				
10FA04	Station				
10FA05	Station				
10FA06	Station				
10FA07	Station				
10FA08	Station				
10FA09	Station				
10FA10	Station				
10FA11	Station				
10FA12	Station				
10FA13	Station				
10FA14	Station				

Appendix 1 2010 POKER Soil Correlation

	Correlation Co-efficient	>60% >50% >40% >30%	Ag+Pb Pb+Zn Ag+Zn Ag+Sb	Cu+Mo Bi+Cu+Te As+Ni	As+Sb Cu+Sb+W Bi+Mo+W	Mo+W+Te Cu+Sn+Te	Mo+Sn+Sb	Sn+Te+W
	Au_ppm							
Au_ppm	1.00	Ag_ppm						
Ag_ppm	0.02	1.00	Al_%					
Al_%	-0.02	-0.03	1.00	As_ppm				
As_ppm	0.07	0.21	0.27	1.00	Ba_ppm			
Ba_ppm	-0.07	0.10	-0.08	-0.11	1.00	Bi_ppm		
Bi_ppm	0.07	0.14	0.01	0.08	0.25	1.00	Ca_%	
Ca_%	0.06	0.20	-0.12	-0.05	0.41	-0.01	1.00	Cu_ppm
Cu_ppm	0.04	0.26	0.11	0.20	0.01	0.41	0.06	1.00
Fe_%	-0.06	0.01	0.50	0.26	0.20	0.20	-0.10	0.23
Hg_ppm	-0.02	0.21	-0.04	0.02	0.30	0.01	0.15	-0.02
K_%	-0.02	0.04	0.09	-0.01	0.49	0.16	0.25	0.03
Mg_%	0.03	0.03	0.57	0.14	0.03	-0.06	0.32	0.16
Mn_ppm	0.09	-0.04	-0.09	-0.09	0.31	-0.05	0.33	-0.07
Mo_ppm	0.07	0.19	0.07	0.11	0.01	0.39	-0.08	0.67
Ni_ppm	0.00	-0.04	0.60	0.33	-0.17	-0.14	0.01	0.03
P_ppm	0.15	0.04	0.08	-0.06	0.09	-0.01	0.58	0.14
Pb_ppm	0.05	0.66	-0.07	0.11	0.24	0.19	0.16	0.09
S_%	0.08	0.12	-0.04	0.05	-0.05	0.08	0.34	0.11
Sb_ppm	0.03	0.34	0.04	0.64	0.18	0.19	0.09	0.42
Sn_ppm	-0.06	0.10	0.26	0.10	-0.04	0.20	-0.16	0.32
Te_ppm	0.11	0.13	0.17	0.19	-0.16	0.45	-0.18	0.34
Th_ppm	-0.07	-0.04	0.12	0.01	0.43	0.07	0.12	-0.03
Ti_%	0.04	-0.06	0.26	0.15	-0.32	-0.17	0.02	-0.06
U_ppm	0.03	0.09	0.02	-0.01	0.12	0.14	0.33	0.25
V_ppm	0.02	-0.09	0.36	0.26	-0.26	-0.09	-0.23	0.01
W_ppm	-0.02	0.13	0.07	0.07	0.14	0.34	0.11	0.43
Zn_ppm	-0.03	0.45	0.14	0.08	0.25	-0.12	0.33	-0.11

Appendix 1 POKER Soil Statistics

Statistic	<i>Wt_kg</i>	<i>Au_ppm</i>	<i>Ag_ppm</i>	<i>Al_%</i>	<i>As_ppm</i>	<i>Ba_ppm</i>	<i>Bi_ppm</i>	<i>Ca_%</i>	<i>Cu_ppm</i>
Mean	0.280	0.005	0.21	2.25	10.01	205.58	0.54	0.40	23.02
Median	0.280	0.003	0.13	2.26	8.75	180.00	0.32	0.38	16.35
Mode	0.260	0.003	0.07	2.15	7.70	170.00	0.19	0.43	14.90
Standard Deviation	0.076	0.009	0.34	0.47	6.50	109.57	0.59	0.20	37.09
Range	0.460	0.103	4.45	3.18	56.00	1190.00	5.30	1.53	380.30
Minimum	0.080	0.003	0.01	0.76	1.70	50.00	0.09	0.08	6.70
Maximum	0.540	0.106	4.46	3.94	57.70	1240.00	5.39	1.61	387.00

Statistic	<i>Fe_%</i>	<i>Hg_ppm</i>	<i>K_%</i>	<i>Mg_%</i>	<i>Mn_ppm</i>	<i>Mo_ppm</i>	<i>Ni_ppm</i>	<i>P_ppm</i>	<i>Pb_ppm</i>
Mean	3.32	0.05	0.10	0.59	573.12	2.09	17.60	723.39	13.83
Median	3.31	0.04	0.08	0.60	518.00	1.07	17.45	760.00	11.80
Mode	3.73	0.04	0.08	0.59	337.00	0.80	16.60	790.00	10.10
Standard Deviation	0.53	0.05	0.05	0.15	316.20	6.87	4.73	231.38	7.40
Range	3.80	0.58	0.40	0.97	2988.00	94.14	29.00	1470.00	75.30
Minimum	1.32	0.01	0.03	0.08	62.00	0.26	5.10	170.00	7.10
Maximum	5.12	0.59	0.43	1.05	3050.00	94.40	34.10	1640.00	82.40

Statistic	<i>S_%</i>	<i>Sb_ppm</i>	<i>Sn_ppm</i>	<i>Te_ppm</i>	<i>Th_ppm</i>	<i>Ti_%</i>	<i>U_ppm</i>	<i>V_ppm</i>	<i>W_ppm</i>	<i>Zn_ppm</i>
Mean	0.03	0.74	0.70	0.04	6.44	0.11	3.31	71.58	0.52	65.21
Median	0.03	0.59	0.70	0.03	5.90	0.11	2.49	71.00	0.30	63.00
Mode	0.02	0.61	0.70	0.03	4.20	0.13	3.01	77.00	0.21	60.00
Standard Deviation	0.02	0.81	0.22	0.02	4.03	0.04	3.25	11.58	0.79	19.15
Range	0.18	9.98	2.50	0.17	24.30	0.22	29.00	89.00	7.27	194.00
Minimum	0.01	0.27	0.00	0.01	0.20	0.00	0.50	28.00	0.12	18.00
Maximum	0.19	10.25	2.50	0.18	24.50	0.23	29.50	117.00	7.39	212.00

Percentile	<i>Au_ppm</i>	<i>Ag_ppm</i>	<i>Al_%</i>	<i>As_ppm</i>	<i>Ba_ppm</i>	<i>Bi_ppm</i>	<i>Ca_%</i>	<i>Cu_ppm</i>	<i>Fe_%</i>	<i>Hg_ppm</i>
65	0.003	0.20	2.43	10.38	220.00	0.49	0.43	19.20	3.48	0.05
75	0.003	0.24	2.56	11.60	250.00	0.58	0.50	20.60	3.61	0.05
85	0.006	0.33	2.70	13.50	300.00	0.92	0.55	24.12	3.80	0.06
95	0.012	0.53	2.96	16.90	374.00	1.75	0.75	35.58	4.23	0.09
97.5	0.019	0.75	3.14	28.18	424.00	2.04	0.83	99.58	4.49	0.14
99	0.025	1.19	3.34	46.29	521.60	2.47	1.12	253.72	4.81	0.22
Maximum Value	0.106	4.46	3.94	57.7	1240	5.39	1.61	387	5.12	0.59

Percentile	<i>K_%</i>	<i>Mg_%</i>	<i>Mn_ppm</i>	<i>Mo_ppm</i>	<i>Ni_ppm</i>	<i>P_ppm</i>	<i>Pb_ppm</i>	<i>S_%</i>	<i>Sb_ppm</i>	<i>Sn_ppm</i>
65	0.10	0.64	639.40	1.34	18.86	790.00	14.00	0.03	0.67	0.70
75	0.11	0.67	705.00	1.63	19.90	850.00	14.90	0.04	0.75	0.80
85	0.13	0.72	831.00	2.16	21.92	910.00	18.44	0.04	0.95	0.80
95	0.20	0.79	1098.00	4.60	25.76	1040.00	26.10	0.06	1.67	1.04
97.5	0.22	0.81	1326.00	6.96	27.64	1142.00	30.18	0.07	2.85	1.22
99	0.25	0.95	1490.40	22.63	29.81	1250.80	40.82	0.08	3.64	1.53
Maximum Value	0.43	1.05	3050	94.4	34.1	1640	82.4	0.19	10.25	2.5

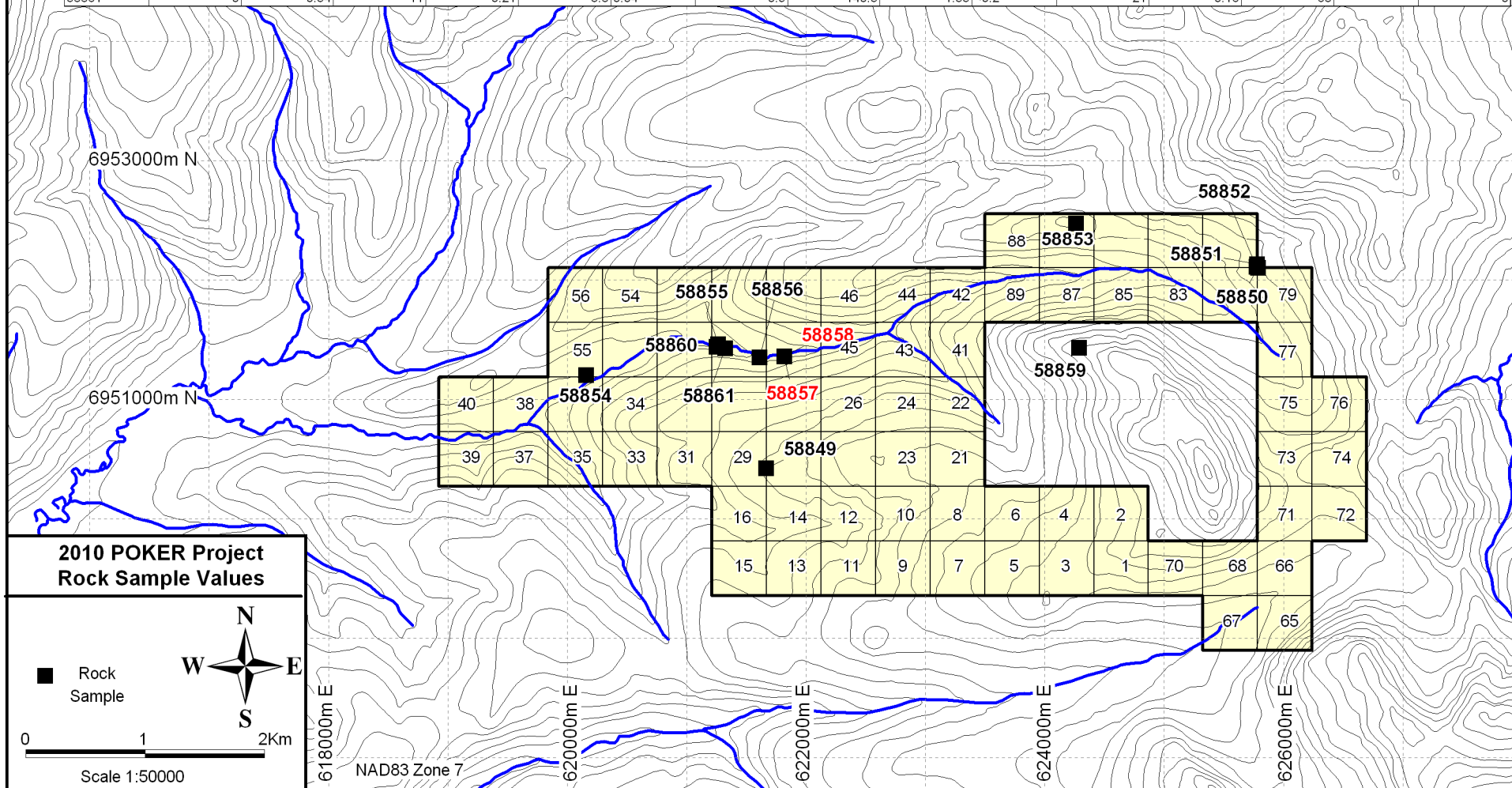
Percentile	<i>Te_ppm</i>	<i>Th_ppm</i>	<i>Ti_%</i>	<i>U_ppm</i>	<i>V_ppm</i>	<i>W_ppm</i>	<i>Zn_ppm</i>
65	0.03	7.60	0.12	2.97	75.80	0.44	69.00
75	0.04	8.80	0.13	3.55	78.00	0.53	75.00
85	0.05	11.02	0.14	4.21	82.00	0.77	80.00
95	0.07	13.78	0.16	6.58	91.20	1.59	91.00
97.5	0.11	14.68	0.16	8.32	96.00	2.62	103.20
99	0.15	19.12	0.19	9.14	98.00	5.00	114.32
Maximum Value	0.18	24.5	0.226	29.5	117	7.39	212

Appendix 2

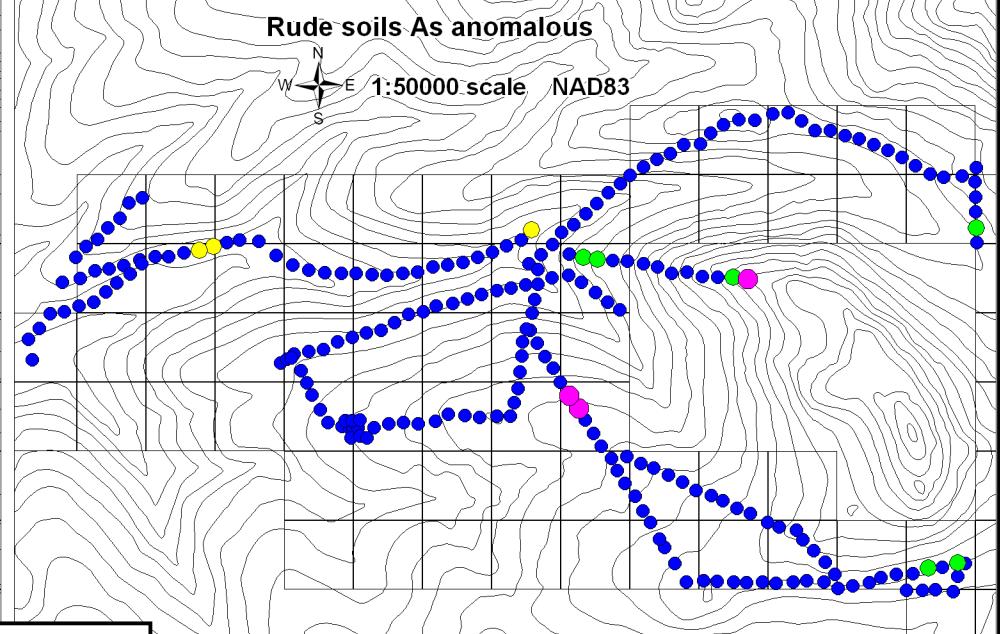
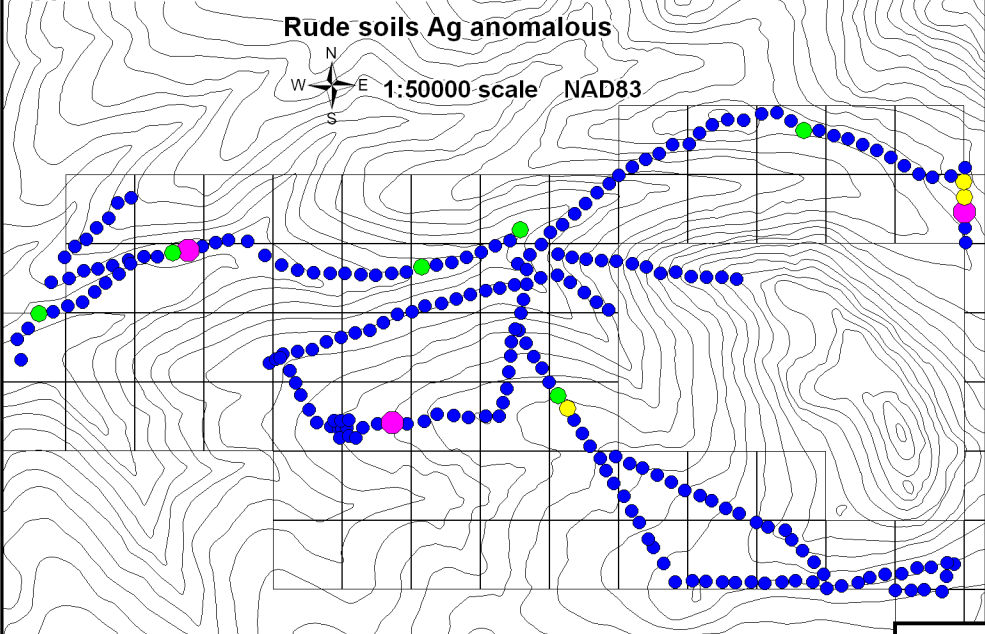
2010 POKER Results

Appendix 2 Rock Sample Values

SAMPLE_ID	Au_ppm	Ag_ppm	As_ppm	Bi_ppm	Cu_ppm	Hg_ppm	Mo_ppm	Pb_ppm	Sb_ppm	Sn_ppm	U_ppm	W_ppm	Zn_ppm	Pb_OG46	Ag_GRA21
58849	0	0.04	2.4	0.13	7.9	0.01	0.42	18.2	0.43	0.2	4.98	0.2	50		0
58850	0.009	0.27	7.4	1.19	72.5	0.01	1.34	7.4	0.74	1	2.34	0.71	14		0
58851	0.058	0.35	105.5	1.66	31	<0.01	1.34	5.4	0.58	7.3	3.67	0.24	9		0
58852	0	0.07	5.9	0.29	26	0.01	0.34	6.7	0.48	2.8	3.2	0.7	21		0
58853	0.008	0.25	47.8	1.46	3.1	<0.01	0.85	18.5	1.54	0.6	1.76	0.52	26		0
58854	0	0.08	6.5	0.18	5.4	0.16	1.99	15.2	1.08	0.2	4.08	0.73	32		0
58855	0.031	0.08	93.8	0.13	3.8	0.01	0.37	12.2	0.79	<0.2	9.18	0.17	57		0
58856	0.011	0.28	11.1	1	43.3	<0.01	8.23	3.5	0.63	0.2	2.04	0.28	5		0
58857	0.008	9.68	21.2	0.11	33.9	0.1	5.82	3,770	13.3	0.2	11.8	0.61	145	3.77	0
58858	0.38	1,780	10,000	19.5	1,230	9.92	139.5	20,000	1,875	7.4	331	30	1,500	>20.0	1,780
58857	0.101	2.03	188.5	0.42	2.8	0.01	0.49	405	6.36	3.2	2.74	0.49	49		0
58858	0	0.38	10.2	0.1	1.3	0.01	0.4	115	0.85	<0.2	2.94	0.29	445		0
58861	0	0.54	11	0.21	3.8	0.04	0.9	140.5	1.55	<0.2	21	0.16	68		0

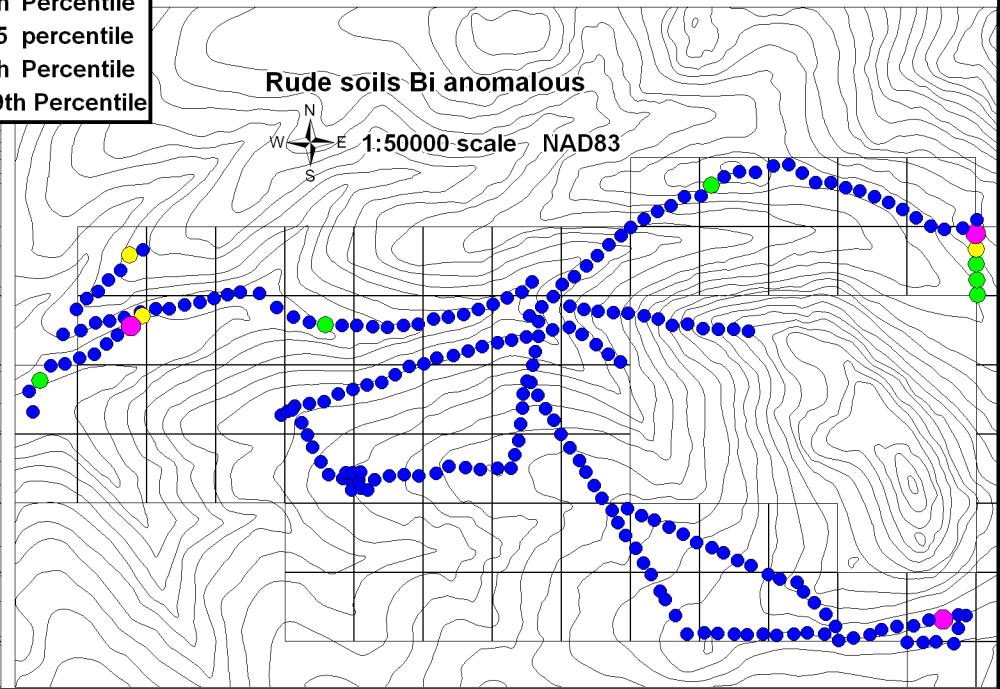
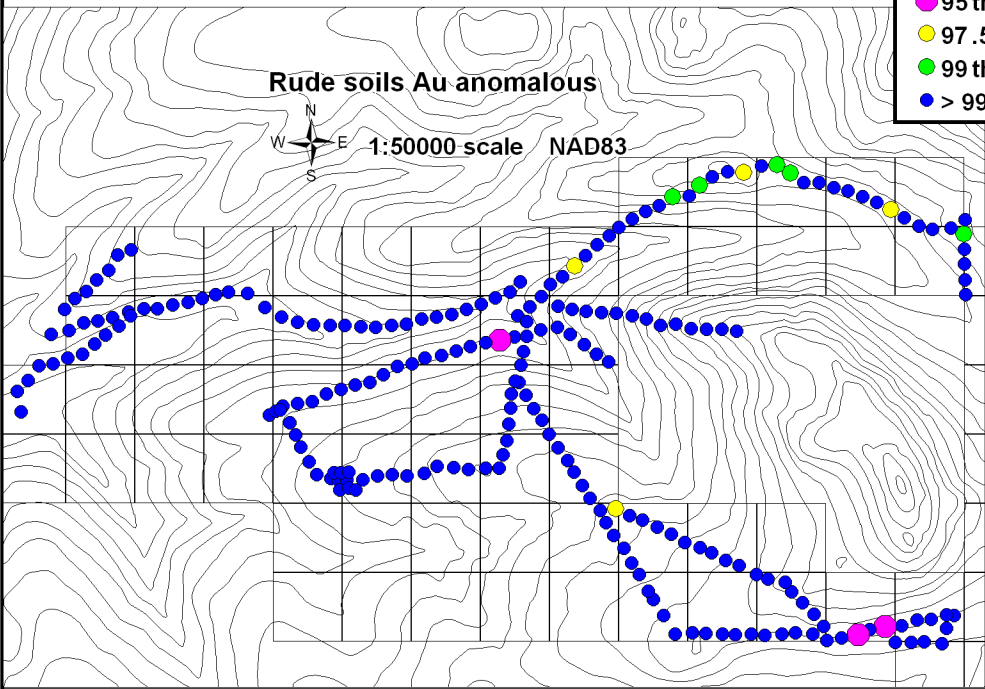


Appendix 2 Soil Percentile Plots



2010 Soil Legend

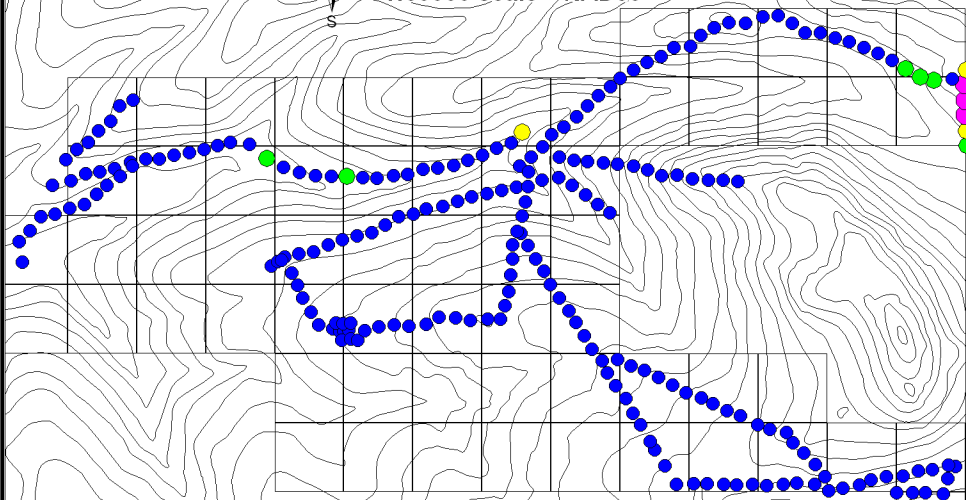
- 95th Percentile
- 97.5 percentile
- 99th Percentile
- > 99th Percentile



Appendix 2 Soil Percentile Plots

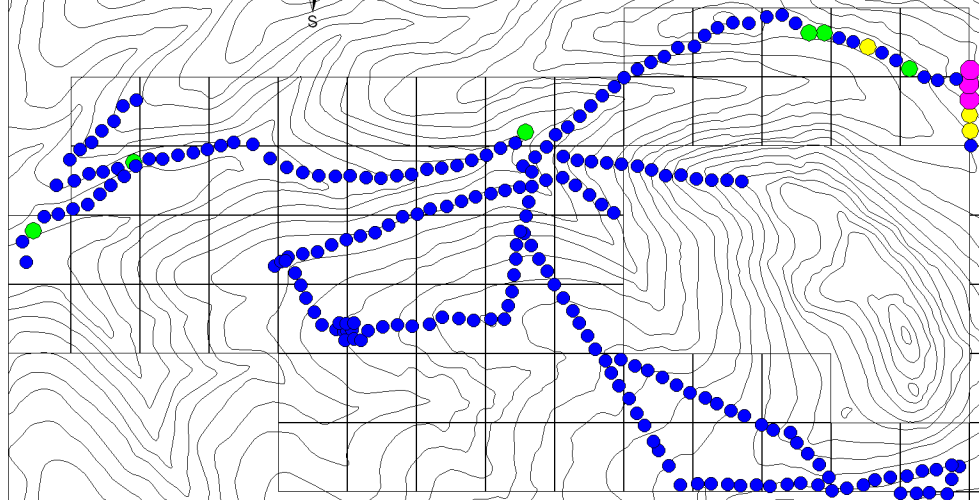
Rude soils Cu anomalous

W N E 1:50000 scale NAD83
S



Rude soils Mo anomalous

W N E 1:50000 scale NAD83
S

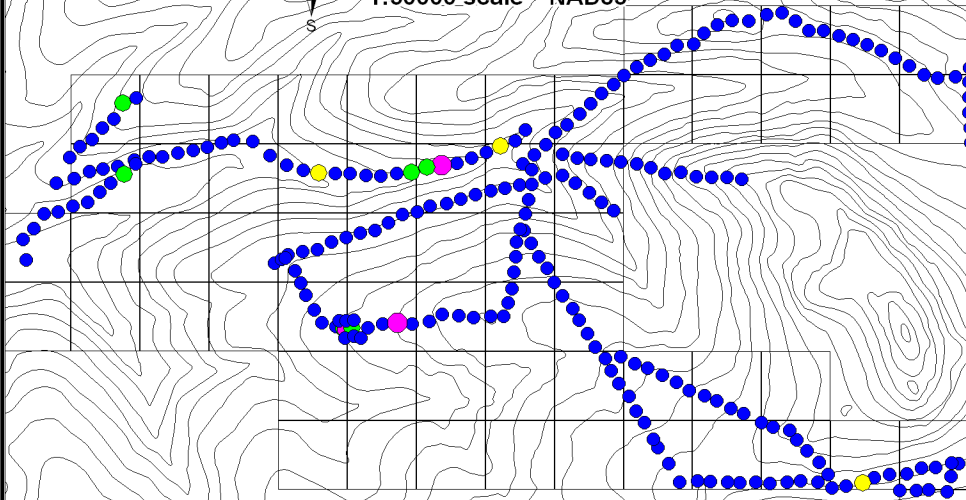


2010 Soil Legend

- 95th Percentile
- 97.5 percentile
- 99th Percentile
- > 99th Percentile

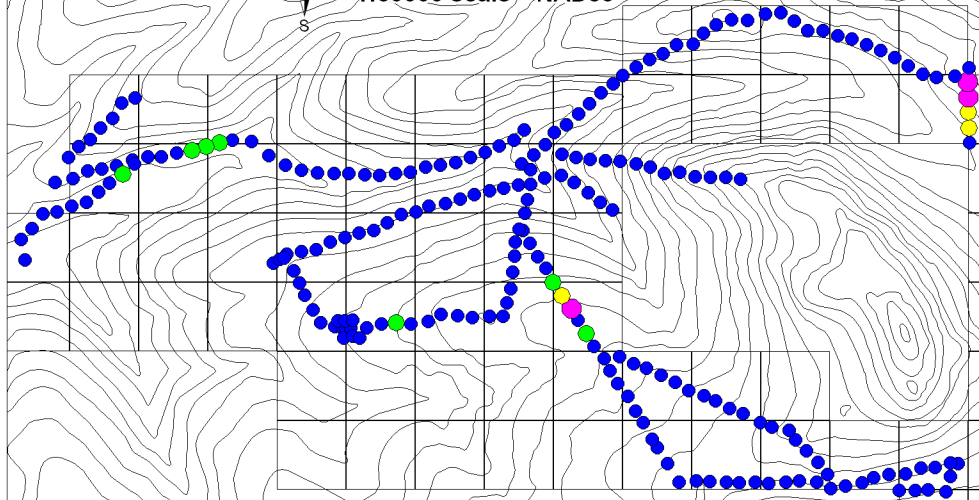
Rude soils Pb anomalous

W N E 1:50000 scale NAD83
S

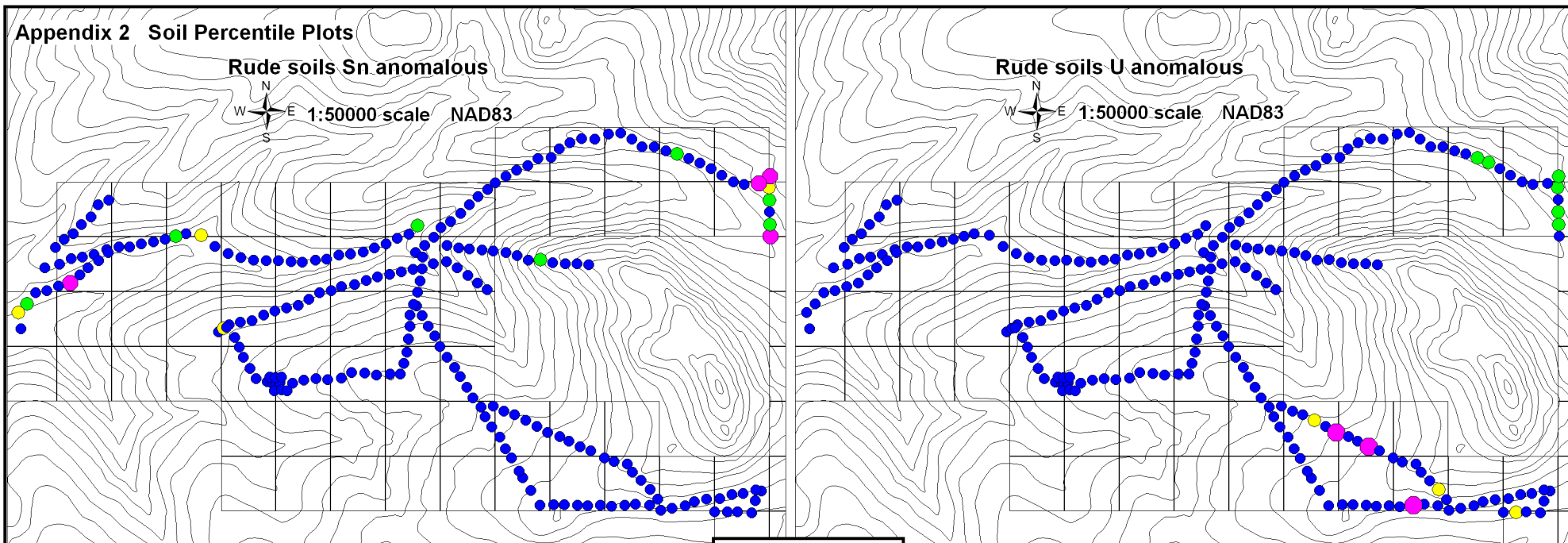


Rude soils Sb anomalous

W N E 1:50000 scale NAD83
S

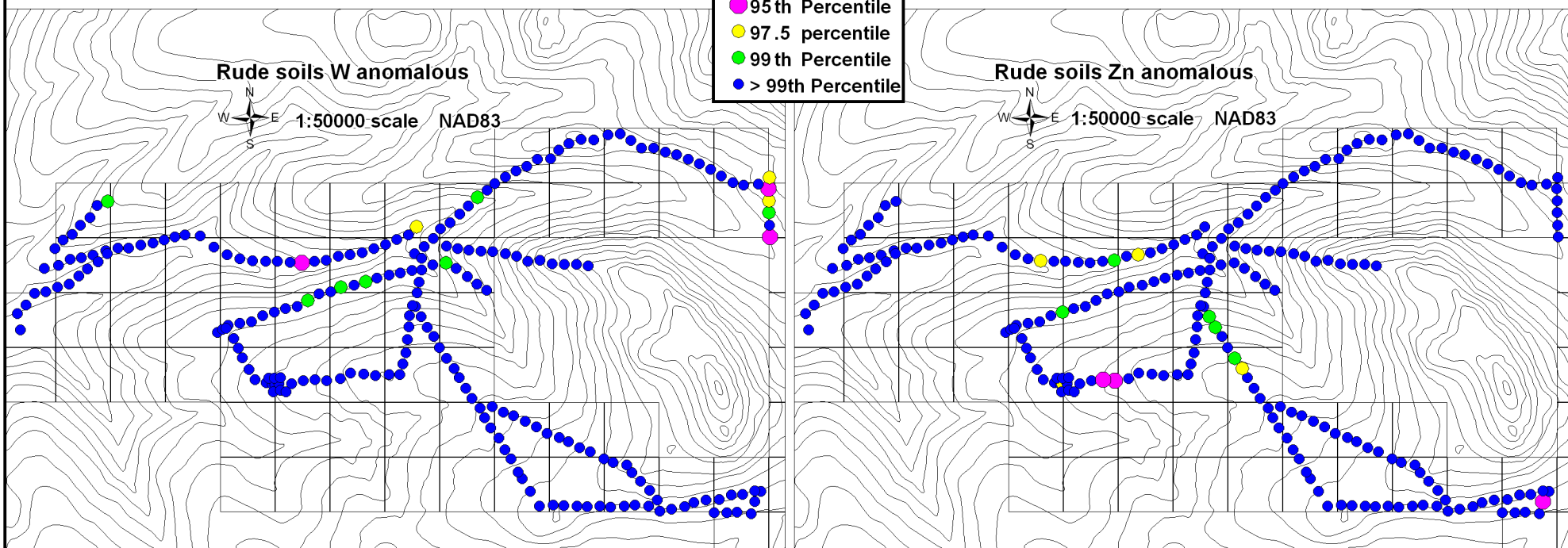


Appendix 2 Soil Percentile Plots



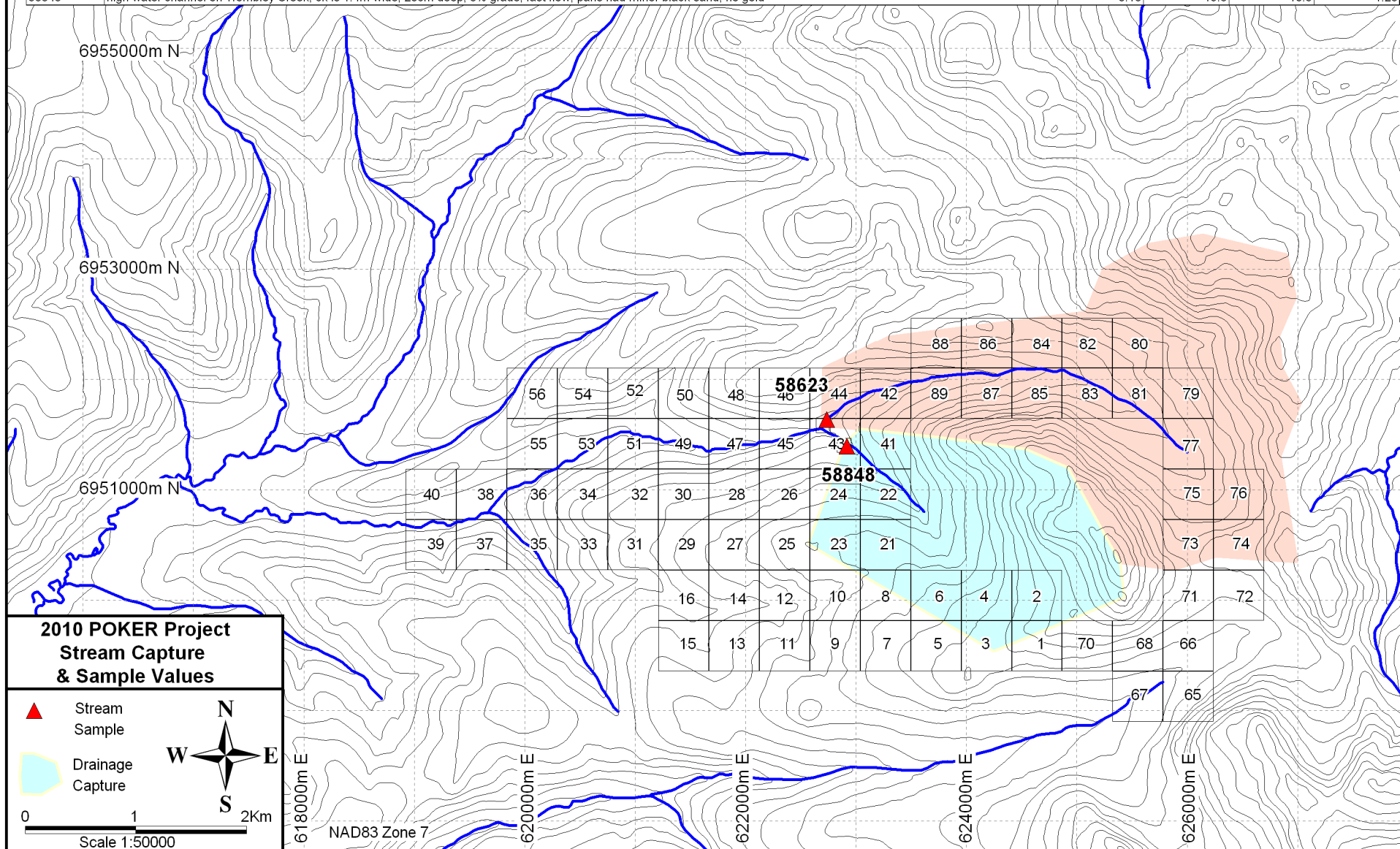
2010 Soil Legend

- 95th Percentile
- 97.5 percentile
- 99th Percentile
- > 99th Percentile



Appendix 2 Stream Sample Capture

SAMPLE_ID	DESCRIPTION	Ag_ppm	As_ppm	Cu_ppm	Mo_ppm
58623	braided channel of Rude Creek, 1m wide, 15cm deep, 3% grade; pans had black sand, no gold	0.19	13.2	49.2	2.71
58848	high water channel on Trombley Creek; ck is 1.4m wide, 20cm deep, 8% grade, fast flow; pans had minor black sand, no gold	0.18	19.3	10.5	1.23



Appendix 3

2010 Assay Certificates



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Page: 1
Finalized Date: 18-JAN-2011
Account: SIQURE

CERTIFICATE WH11001957

Project: RUDE CK

P.O. No.:

This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11-JAN-2011.

The following have access to data associated with this certificate:

FARRELL ANDERSON

KENDRA JOHNSTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS41	51 anal. aqua regia ICPMS	

To: **SILVER QUEST RESOURCES LTD.**
ATTN: FARRELL ANDERSON
BOX 2354
MARSH LAKE YT Y0B 1Y2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: RUDE CK

CERTIFICATE OF ANALYSIS WH11001957

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.02	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
7R58849		0.96	0.04	0.95	2.4	<0.2	<10	170	0.81	0.13	2.76	0.25	53.7	5.8	4	3.27
7R58850		0.66	0.27	0.93	7.4	<0.2	<10	110	0.36	1.19	0.17	0.08	25.0	2.4	6	1.95
7R58851		1.60	0.35	1.44	105.5	<0.2	<10	90	0.41	1.66	0.31	0.03	21.8	3.8	6	5.78
7R58852		1.73	0.07	1.39	5.9	<0.2	<10	70	0.33	0.29	0.59	0.13	32.9	3.3	11	3.55
7R58853		1.22	0.25	1.07	47.8	<0.2	<10	80	0.19	1.46	0.24	0.05	14.95	1.8	8	1.25
7R58854		1.39	0.08	0.61	6.5	<0.2	<10	100	0.54	0.18	0.21	0.09	40.9	3.3	3	3.67
7R58855		1.36	0.08	0.54	93.8	<0.2	<10	160	0.42	0.13	4.40	0.62	42.3	8.0	4	1.76
7R58856		0.70	0.28	0.16	11.1	0.2	60	120	0.28	1.00	0.03	0.17	9.15	6.7	5	0.42
7R58857		0.92	9.68	0.46	21.2	<0.2	<10	100	0.39	0.11	0.18	0.33	45.4	1.9	4	2.16
7R58858		1.32	>100	0.58	>10000	0.9	<10	90	0.93	19.50	0.13	67.7	9.88	1.9	14	0.88
7R58859		1.01	2.03	1.34	188.5	<0.2	<10	70	0.49	0.42	0.63	0.60	12.65	9.1	9	1.95
7R58860		0.41	0.38	0.40	10.2	<0.2	<10	80	0.48	0.10	8.54	10.50	40.1	11.4	2	3.64
7R58861		0.76	0.54	0.34	11	<0.2	<10	190	0.94	0.21	12.65	1.23	26.7	4.8	3	2.29



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Project: RUDE CK

CERTIFICATE OF ANALYSIS WH11001957

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
7R58849		7.9	2.26	2.26	0.07	0.09	0.01	0.018	0.26	34.6	4.5	0.29	1600	0.42	0.03
7R58850		72.5	3.65	4.46	0.06	0.08	0.01	0.014	0.22	13.6	7.1	0.25	109	1.34	0.08
7R58851		31.0	2.68	6.61	0.06	0.06	<0.01	0.031	0.45	11.4	18.4	0.52	126	1.34	0.10
7R58852		26.0	2.66	6.64	0.10	0.09	0.01	0.014	0.22	16.5	15.4	0.65	208	0.34	0.09
7R58853		3.1	2.37	5.16	<0.05	0.11	<0.01	0.017	0.18	7.7	15.3	0.53	409	0.85	0.06
7R58854		5.4	2.08	1.76	0.05	0.12	0.16	0.025	0.24	22.2	3.4	0.03	220	1.99	0.04
7R58855		3.8	2.85	1.55	0.06	0.09	0.01	0.014	0.29	21.4	2.4	1.19	1700	0.37	0.04
7R58856		43.3	2.70	0.48	<0.05	0.08	<0.01	0.007	0.05	4.6	0.6	0.02	176	8.23	0.01
7R58857		33.9	0.67	1.00	<0.05	0.08	0.10	0.155	0.30	22.8	0.5	0.02	424	5.82	0.01
7R58858		1230	8.25	2.67	0.10	0.11	9.92	79.9	0.18	28.7	1.5	0.04	1060	139.5	0.01
7R58859		2.8	2.56	4.89	0.07	0.06	0.01	0.147	0.23	6.0	10.1	0.39	452	0.49	0.11
7R58860		1.3	3.85	1.27	0.10	0.12	0.01	0.049	0.21	20.5	0.6	2.31	1720	0.40	0.03
7R58861		3.8	2.16	0.90	0.08	0.16	0.04	0.043	0.18	15.9	0.5	0.08	932	0.90	0.01



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CERTIFICATE OF ANALYSIS WH11001957

Sample Description	Method Analyte Units LOR	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2	ME-MS41 Ti % 0.005
7R58849		3.5	740	18.2	14.1	<0.001	<0.01	0.43	3.3	0.3	0.2	48.2	<0.01	<0.01	13.9	<0.005
7R58850		2.9	580	7.4	25.9	<0.001	0.39	0.74	3.1	0.5	1.0	32.3	<0.01	0.30	10.7	0.026
7R58851		1.9	560	5.4	56.1	<0.001	0.83	0.58	3.4	0.2	7.3	25.1	<0.01	0.05	16.2	0.042
7R58852		3.8	760	6.7	30.2	<0.001	0.08	0.48	5.6	0.2	2.8	35.6	<0.01	0.02	16.2	0.166
7R58853		2.1	640	18.5	16.0	<0.001	0.10	1.54	2.2	0.2	0.6	38.9	0.01	0.13	13.0	0.096
7R58854		2.0	690	15.2	13.7	<0.001	<0.01	1.08	4.8	0.2	0.2	16.5	<0.01	<0.01	11.9	<0.005
7R58855		2.3	600	12.2	17.3	<0.001	0.89	0.79	4.2	0.3	<0.2	140.0	<0.01	<0.01	10.2	<0.005
7R58856		2.7	120	3.5	6.1	0.006	1.18	0.63	0.4	1.0	0.2	5.6	<0.01	0.12	6.1	<0.005
7R58857		0.4	760	>10000	18.5	<0.001	<0.01	13.30	2.2	<0.2	0.2	6.8	<0.01	<0.01	12.8	<0.005
7R58858		0.8	510	>10000	9.4	0.001	0.08	1875	2.1	1.8	7.4	28.6	0.01	0.05	3.9	<0.005
7R58859		3.7	580	405	17.3	<0.001	1.31	6.36	1.7	0.2	3.2	50.1	0.01	0.01	12.3	0.074
7R58860		2.5	410	115.0	11.5	<0.001	0.02	0.85	5.3	0.8	<0.2	254	0.01	0.01	8.6	<0.005
7R58861		0.9	440	140.5	7.5	<0.001	0.01	1.55	4.7	0.7	<0.2	140.0	0.01	0.04	7.5	<0.005



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CERTIFICATE OF ANALYSIS WH11001957

Sample Description	Method Analyte Units LOR	ME-MS41 TI ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Ag-OG46 Ag ppm 1	Pb-OG46 Pb % 0.001	Ag-GRA21 Ag ppm 5	Au-AA23 Au ppm 0.005
7R58849		0.10	4.98	18	0.20	24.5	50	2.5				<0.005
7R58850		0.26	2.34	27	0.71	3.57	14	1.7				0.009
7R58851		0.61	3.67	31	0.24	3.97	9	1.6				0.058
7R58852		0.32	3.20	57	0.70	10.15	21	1.2				<0.005
7R58853		0.16	1.76	27	0.52	5.45	26	1.7				0.008
7R58854		0.13	4.08	18	0.73	16.25	32	3.2				<0.005
7R58855		0.18	9.18	18	0.17	28.1	57	2.0				0.031
7R58856		0.07	2.04	3	0.28	1.59	5	2.6				0.011
7R58857		0.32	11.80	6	0.61	5.95	145	1.9		3.77		0.008
7R58858		0.13	331	35	30.0	26.6	1500	4.6	>1500	>20.0	1780	0.380
7R58859		0.15	2.74	22	0.49	5.94	49	0.8				0.101
7R58860		0.11	2.94	53	0.29	30.5	445	2.4				<0.005
7R58861		0.20	21.0	15	0.16	22.8	68	5.0				<0.005



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Project: RUDE CK

CERTIFICATE OF ANALYSIS WH11001957

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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Page: 1
Finalized Date: 20-DEC-2010
Account: SILQUE

CERTIFICATE WH10181013

Project: RUDE CK

P.O. No.:

This report is for 226 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3-DEC-2010.

The following have access to data associated with this certificate:

FARRELL ANDERSEN

KENDRA JOHNSTON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-MS41	51 anal. aqua regia ICPMS	

To: **SILVER QUEST RESOURCES LTD.**
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PO BOX 2354
MARSH LAKE YT Y0B 1Y2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH10181013

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
58623		5.88	0.080	0.19	1.55	13.2	<0.2	<10	130	0.65	0.62	0.55	0.60	33.4	8.3	18
58624		0.26	0.028	0.07	1.48	7.1	<0.2	<10	120	0.27	0.33	0.31	0.12	18.25	6.9	24
58625		0.26	<0.005	0.04	2.22	7.8	<0.2	<10	160	0.43	0.23	0.49	0.09	21.9	10.0	32
58626		0.30	<0.005	0.07	2.51	5.9	<0.2	<10	220	0.58	0.27	0.36	0.09	25.9	9.3	33
58627		0.40	<0.005	0.08	2.16	5.5	<0.2	<10	200	0.63	0.31	0.50	0.28	43.8	11.5	26
58628		0.44	0.007	0.07	1.73	1.7	<0.2	<10	160	0.56	0.19	0.40	0.40	44.4	7.6	23
58629		0.40	<0.005	0.11	2.41	7.2	<0.2	<10	200	0.56	0.22	0.55	0.14	46.1	11.5	37
58630		0.48	0.006	0.09	2.56	5.9	<0.2	<10	180	0.58	0.33	0.44	0.12	32.7	9.7	36
58631		0.40	<0.005	0.04	2.15	5.7	<0.2	<10	150	0.49	0.30	0.39	0.11	40.2	10.0	31
58632		0.32	<0.005	0.09	2.42	4.7	<0.2	<10	150	0.63	0.22	0.52	0.15	45.6	8.4	32
58633		0.36	<0.005	0.04	1.72	4.9	<0.2	<10	130	0.40	0.15	0.43	0.14	31.3	8.6	23
58634		0.24	<0.005	0.07	1.91	7.0	<0.2	<10	110	0.45	0.18	0.31	0.23	29.8	9.5	28
58635		0.42	0.006	0.06	2.09	6.9	<0.2	<10	130	0.38	0.20	0.36	0.10	24.7	11.4	33
58636		0.28	<0.005	0.06	2.59	7.3	<0.2	<10	140	0.69	0.29	0.29	0.13	40.3	10.8	35
58637		0.24	<0.005	0.08	2.13	7.7	<0.2	<10	130	0.49	0.25	0.35	0.12	28.9	9.5	30
58638		0.24	<0.005	0.06	1.26	10.4	<0.2	<10	80	0.21	0.36	0.16	0.19	18.05	5.9	27
58639		0.20	<0.005	0.22	2.30	9.0	<0.2	<10	240	0.58	0.34	0.59	0.08	42.7	17.9	30
58640		0.26	<0.005	0.17	1.93	8.9	<0.2	<10	170	0.33	0.36	0.43	0.19	21.5	8.2	32
58641		0.14	<0.005	0.23	1.47	6.2	<0.2	<10	270	0.41	0.37	0.47	0.14	22.1	6.9	24
58642		0.26	0.006	0.14	2.38	10.3	<0.2	<10	160	0.49	0.55	0.40	0.12	24.1	10.3	32
58643		0.08	0.008	0.46	2.18	8.4	<0.2	<10	290	0.64	0.69	0.94	0.21	39.2	9.2	32
58644		0.30	0.007	0.17	2.66	9.6	<0.2	<10	220	0.52	0.85	0.38	0.17	39.5	11.2	39
58645		0.30	0.006	0.13	2.30	9.9	<0.2	<10	190	0.43	0.53	0.39	0.16	35.4	12.3	35
58646		0.32	<0.005	0.09	2.12	9.3	<0.2	<10	170	0.46	0.44	0.39	0.13	36.9	10.6	37
58647		0.28	0.007	0.14	1.72	11.5	<0.2	<10	140	0.34	0.72	0.44	0.24	25.2	9.6	28
58648		0.28	0.005	0.10	2.62	17.3	<0.2	<10	150	0.66	0.94	0.19	0.32	38.3	15.9	33
58649		0.24	<0.005	0.07	2.54	12.4	<0.2	<10	140	0.60	5.39	0.31	0.22	26.1	12.1	33
58650		0.22	NSS	0.10	2.10	21.9	<0.2	<10	140	0.50	1.34	0.28	0.29	25.8	12.9	41
58651		0.28	0.011	0.12	2.05	11.5	<0.2	<10	180	0.55	0.65	0.43	0.20	39.5	10.8	30
58652		0.22	0.033	0.08	2.33	11.7	<0.2	<10	110	0.50	0.49	0.30	0.22	26.5	12.8	33
58653		0.14	0.010	0.33	1.12	5.5	<0.2	<10	110	0.25	0.55	0.35	0.31	20.7	4.4	20
58654		0.24	0.054	0.15	1.64	7.6	<0.2	<10	150	0.43	0.24	0.56	0.18	38.3	8.3	21
58655		0.12	<0.005	0.27	1.26	7.6	<0.2	<10	160	0.29	0.58	0.41	0.77	22.6	5.7	21
58656		0.24	0.008	0.20	1.54	5.5	<0.2	<10	170	0.32	0.26	0.57	0.48	25.0	7.9	25
58657		0.20	0.006	0.10	1.56	5.0	<0.2	<10	160	0.27	0.21	0.46	0.22	21.7	9.1	25
58658		0.16	<0.005	0.36	2.24	6.6	<0.2	<10	180	0.68	0.28	0.51	0.20	44.4	9.6	30
58659		0.16	<0.005	0.13	1.65	6.8	<0.2	<10	110	0.34	0.24	0.26	0.37	23.5	7.5	25
58660		0.16	<0.005	0.17	2.35	9.5	<0.2	<10	150	0.49	0.31	0.32	0.77	20.4	10.7	32
58661		0.22	<0.005	0.14	1.34	5.0	<0.2	<10	140	0.28	0.18	0.32	0.20	20.9	5.5	23
58662		0.30	<0.005	0.04	2.55	5.3	<0.2	<10	170	0.60	0.19	0.34	0.13	40.4	10.4	32



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
58623		4.79	49.2	2.77	5.04	0.08	0.02	0.03	0.019	0.08	19.2	37.7	0.51	594	2.71
58624		1.43	14.8	2.67	7.71	0.07	0.02	0.02	0.018	0.06	9.3	12.8	0.47	329	1.07
58625		1.89	12.7	3.70	7.71	0.07	0.03	0.02	0.025	0.05	10.3	24.5	0.63	447	0.80
58626		2.87	15.9	3.34	8.47	0.06	0.02	0.02	0.032	0.06	13.4	21.0	0.63	562	0.77
58627		3.36	13.3	3.66	6.77	0.10	0.09	0.02	0.026	0.09	22.6	19.7	0.68	478	0.96
58628		3.06	13.4	2.18	5.35	0.08	0.09	0.02	0.023	0.08	21.5	19.6	0.57	208	0.28
58629		2.55	21.3	3.73	7.61	0.12	0.11	0.03	0.030	0.10	26.2	24.5	0.79	606	0.91
58630		3.49	16.3	3.24	8.07	0.09	0.06	0.04	0.031	0.09	18.9	25.1	0.77	424	0.51
58631		2.90	13.6	3.24	6.74	0.09	0.09	0.02	0.027	0.09	18.7	21.2	0.73	490	0.36
58632		3.28	12.7	2.87	8.19	0.06	0.05	0.03	0.032	0.06	25.6	29.2	0.72	323	0.37
58633		2.58	10.3	2.97	6.30	0.07	0.03	0.01	0.022	0.06	16.2	22.2	0.65	729	0.49
58634		1.79	19.2	3.01	6.57	0.07	0.02	0.02	0.022	0.06	13.6	16.7	0.56	563	0.75
58635		1.86	14.3	3.16	6.76	0.07	0.03	0.03	0.024	0.06	12.7	18.1	0.62	936	0.76
58636		2.45	24.1	3.14	6.92	0.09	0.07	0.03	0.026	0.08	19.4	17.4	0.66	544	0.56
58637		2.94	18.9	3.25	7.73	0.07	0.03	0.06	0.025	0.08	14.0	20.1	0.67	467	0.87
58638		1.16	15.0	3.18	12.00	0.06	0.03	0.02	0.019	0.06	7.8	8.5	0.36	315	2.15
58639		3.13	18.4	4.03	7.29	0.08	0.03	0.05	0.028	0.05	27.7	18.3	0.59	1400	2.22
58640		3.01	18.2	3.20	7.97	0.07	0.02	0.03	0.025	0.07	13.0	16.9	0.61	430	1.58
58641		3.38	15.4	2.25	7.23	0.06	0.03	0.05	0.025	0.06	19.2	11.1	0.39	392	1.42
58642		5.70	15.9	3.18	8.17	0.06	0.05	0.04	0.028	0.09	14.1	19.0	0.67	337	0.88
58643		3.15	23.2	2.71	6.98	0.07	0.05	0.12	0.031	0.06	24.3	10.9	0.42	477	1.72
58644		3.43	23.3	3.17	8.08	0.07	0.06	0.06	0.030	0.09	20.2	17.8	0.71	342	1.24
58645		2.80	18.2	3.30	7.66	0.08	0.06	0.05	0.028	0.08	17.7	16.7	0.66	335	1.61
58646		2.79	20.5	3.10	6.79	0.08	0.08	0.03	0.026	0.09	18.6	16.0	0.66	427	0.86
58647		2.72	18.2	2.96	7.01	0.06	0.06	0.05	0.021	0.08	13.0	14.1	0.56	452	1.21
58648		4.02	23.6	4.08	10.90	0.08	0.06	0.06	0.038	0.07	15.1	23.1	0.55	666	2.76
58649		2.83	20.9	3.63	8.47	0.06	0.06	0.04	0.030	0.07	12.6	19.6	0.56	556	1.96
58650		5.45	17.4	3.68	10.10	0.07	0.06	0.07	0.030	0.09	15.4	20.0	0.59	587	1.84
58651		5.05	18.0	3.29	7.93	0.09	0.05	0.03	0.026	0.09	21.3	18.4	0.61	567	1.13
58652		5.46	14.9	3.60	8.08	0.07	0.06	0.04	0.031	0.10	11.6	24.0	0.67	670	0.89
58653		2.45	12.2	1.67	6.47	0.05	0.03	0.07	0.017	0.05	14.6	6.9	0.28	226	1.08
58654		4.38	10.5	3.04	6.40	0.08	0.06	0.03	0.026	0.15	15.7	17.0	0.62	611	0.77
58655		2.46	15.2	2.60	7.70	0.06	0.03	0.05	0.023	0.07	17.1	8.4	0.29	284	1.79
58656		2.92	17.2	2.62	6.80	0.06	0.02	0.04	0.023	0.08	15.5	13.7	0.52	603	1.31
58657		2.73	14.8	2.58	6.83	0.06	0.04	0.03	0.025	0.08	11.6	13.4	0.51	704	1.13
58658		3.55	22.3	3.49	10.05	0.10	0.04	0.05	0.037	0.07	37.6	20.1	0.54	625	1.56
58659		1.64	16.1	2.89	8.77	0.05	0.04	0.03	0.026	0.06	11.3	12.6	0.40	315	1.26
58660		4.20	18.2	4.19	10.70	0.06	0.03	0.04	0.035	0.09	10.4	17.8	0.45	969	1.84
58661		2.01	14.1	2.23	6.71	0.05	0.02	0.04	0.022	0.06	10.3	9.8	0.33	249	0.87
58662		3.75	21.4	2.90	7.25	0.07	0.08	0.03	0.031	0.10	17.7	16.6	0.66	284	0.43



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
58623		1.69	10.7	860	10.8	18.3	0.001	0.04	0.61	3.9	0.7	0.6	59.6	<0.01	0.04
58624		1.55	14.0	360	8.5	11.2	<0.001	0.03	0.40	3.1	0.3	0.6	32.2	<0.01	0.02
58625		1.23	18.7	760	9.5	10.1	<0.001	0.03	0.27	3.3	0.3	0.5	53.6	<0.01	0.02
58626		1.17	17.4	950	9.2	14.9	<0.001	0.03	0.31	4.2	0.3	0.6	33.1	<0.01	0.02
58627		1.51	16.6	980	9.9	21.0	<0.001	0.01	0.31	6.3	0.4	0.5	39.7	<0.01	0.01
58628		1.15	14.0	740	14.1	15.1	<0.001	0.01	0.33	5.4	0.3	0.4	27.1	<0.01	<0.01
58629		1.57	21.8	1030	8.3	23.5	<0.001	0.02	0.36	8.5	0.5	0.6	43.0	<0.01	0.02
58630		1.83	19.9	830	9.8	23.4	<0.001	0.03	0.31	7.1	0.4	0.6	33.7	<0.01	0.03
58631		1.79	17.3	710	8.4	20.9	<0.001	0.01	0.34	5.8	0.3	0.6	24.8	<0.01	0.01
58632		1.70	17.6	1050	10.8	15.5	<0.001	0.04	0.48	6.3	0.5	0.7	36.8	<0.01	0.02
58633		1.50	11.5	880	7.1	11.2	<0.001	0.02	0.31	4.0	0.2	0.5	24.7	<0.01	0.02
58634		1.10	20.5	830	8.5	12.4	<0.001	0.03	0.37	3.0	0.3	0.5	21.4	<0.01	0.03
58635		1.43	20.1	940	8.4	11.8	<0.001	0.03	0.34	3.7	0.3	0.5	24.8	<0.01	0.02
58636		1.48	24.9	800	9.8	14.4	<0.001	0.02	0.41	5.4	0.4	0.5	20.1	0.01	0.02
58637		1.65	21.1	640	8.4	15.5	<0.001	0.03	0.43	4.0	0.3	0.6	25.6	<0.01	0.03
58638		2.26	14.0	340	11.7	15.2	<0.001	0.02	0.59	2.8	0.3	0.9	16.6	<0.01	0.04
58639		1.15	18.2	1210	9.4	12.5	<0.001	0.09	0.44	3.7	0.5	0.5	40.2	<0.01	0.04
58640		1.59	19.6	570	10.4	25.9	<0.001	0.04	0.39	3.9	0.3	0.6	33.7	<0.01	0.04
58641		1.27	13.0	690	10.3	30.7	<0.001	0.06	0.33	2.8	0.3	0.6	29.3	<0.01	0.03
58642		1.73	19.3	760	14.6	21.6	<0.001	0.03	0.44	4.2	0.3	0.6	39.6	<0.01	0.02
58643		1.22	19.2	1640	11.1	14.1	<0.001	0.19	0.51	3.6	0.7	0.5	76.0	0.01	0.05
58644		1.69	22.5	900	13.1	21.3	<0.001	0.03	0.49	5.8	0.5	0.6	24.6	<0.01	0.02
58645		1.74	20.2	1070	11.5	20.6	<0.001	0.03	0.48	5.2	0.4	0.5	24.6	<0.01	0.03
58646		1.82	22.2	920	8.8	19.2	<0.001	0.02	0.40	5.0	0.4	0.5	21.4	<0.01	0.02
58647		1.71	19.4	860	10.9	17.5	<0.001	0.03	0.43	3.4	0.3	0.6	25.9	<0.01	0.03
58648		2.68	27.6	780	14.6	21.8	<0.001	0.04	0.56	4.5	0.4	0.7	17.0	<0.01	0.05
58649		1.95	21.9	810	11.2	18.3	<0.001	0.04	0.46	3.6	0.4	0.6	23.0	<0.01	0.05
58650		2.34	27.5	690	14.4	22.0	<0.001	0.04	0.53	3.8	0.3	0.7	23.7	<0.01	0.05
58651		2.03	19.7	790	12.6	24.8	<0.001	0.03	0.45	4.2	0.4	0.6	39.2	<0.01	0.04
58652		2.20	21.3	770	13.9	22.1	<0.001	0.03	0.43	4.3	0.3	0.6	22.9	<0.01	0.02
58653		1.17	10.3	500	9.5	15.3	<0.001	0.05	0.33	1.9	0.3	0.6	30.0	<0.01	0.03
58654		2.02	11.8	1310	38.6	31.2	<0.001	0.02	0.56	4.0	0.3	0.5	34.6	<0.01	0.01
58655		1.58	12.0	600	16.0	30.6	<0.001	0.06	0.53	2.5	0.3	0.7	31.0	<0.01	0.04
58656		1.37	15.1	940	7.1	34.4	<0.001	0.06	0.36	3.3	0.3	0.6	36.6	<0.01	0.02
58657		1.71	14.9	800	8.7	37.7	<0.001	0.04	0.30	3.5	0.2	0.6	30.1	<0.01	0.02
58658		1.71	17.4	720	12.4	37.9	<0.001	0.05	0.34	4.2	0.5	0.8	41.2	<0.01	0.03
58659		1.74	16.6	390	9.7	17.1	<0.001	0.03	0.39	3.2	0.2	0.7	22.3	<0.01	0.03
58660		1.75	17.7	610	14.0	27.0	<0.001	0.04	0.41	3.5	0.2	0.7	24.6	<0.01	0.04
58661		1.02	13.0	540	7.3	14.3	<0.001	0.04	0.28	2.4	0.3	0.5	25.1	<0.01	0.03
58662		1.66	23.1	720	10.1	18.6	<0.001	0.02	0.31	5.9	0.4	0.6	18.9	<0.01	0.02



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		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
58623		0.088	0.21	47.7	59	9.82	11.65	61	0.6
58624		0.105	0.10	1.39	73	0.31	3.65	50	0.7
58625		0.082	0.16	2.35	75	0.15	4.31	61	0.7
58626		0.075	0.23	3.16	77	0.42	6.21	63	0.6
58627		0.101	0.21	14.05	64	0.13	12.00	85	2.9
58628		0.103	0.16	6.28	55	0.15	10.95	80	3.0
58629		0.149	0.26	26.6	82	0.16	18.95	80	3.6
58630		0.128	0.27	6.64	76	0.16	10.00	76	1.8
58631		0.137	0.29	4.79	74	0.16	8.40	60	2.9
58632		0.098	0.29	29.5	71	0.16	11.40	71	1.6
58633		0.109	0.14	2.57	66	0.17	7.09	69	0.8
58634		0.097	0.14	2.95	71	0.16	6.55	71	0.5
58635		0.112	0.17	2.74	72	0.30	6.11	61	1.0
58636		0.113	0.20	2.13	70	0.18	9.50	62	2.0
58637		0.116	0.20	2.32	75	0.20	6.32	58	0.9
58638		0.173	0.13	0.90	117	0.21	2.37	53	1.0
58639		0.076	0.37	10.45	78	0.19	14.25	52	0.6
58640		0.114	0.22	3.28	82	0.20	5.50	68	0.7
58641		0.083	0.17	5.65	61	0.22	8.90	46	0.8
58642		0.121	0.31	4.04	72	0.28	6.96	60	1.3
58643		0.060	0.25	11.20	60	0.21	13.80	45	1.2
58644		0.137	0.31	7.95	77	0.21	10.35	63	1.6
58645		0.128	0.29	5.82	76	0.22	8.29	58	1.7
58646		0.140	0.26	4.78	72	0.35	8.37	143	2.4
58647		0.132	0.18	2.61	74	0.25	6.19	51	1.5
58648		0.132	0.23	4.97	85	0.34	6.20	53	1.8
58649		0.117	0.18	4.17	77	0.29	4.99	65	1.7
58650		0.147	0.22	3.51	90	0.31	6.09	54	1.5
58651		0.135	0.24	5.12	77	0.24	9.01	57	1.4
58652		0.138	0.19	1.73	78	0.26	5.50	75	1.9
58653		0.090	0.14	2.85	50	0.18	5.44	39	0.7
58654		0.136	0.30	3.40	69	0.32	9.80	61	1.5
58655		0.111	0.13	2.23	74	0.25	7.52	60	1.0
58656		0.085	0.15	3.98	63	0.29	6.94	69	0.6
58657		0.115	0.17	2.48	65	0.21	5.56	59	1.1
58658		0.106	0.20	15.50	88	0.24	18.10	66	0.8
58659		0.111	0.12	1.45	77	0.24	3.85	46	1.2
58660		0.094	0.15	1.80	93	0.18	3.49	69	0.9
58661		0.076	0.10	1.49	55	0.13	4.47	40	0.6
58662		0.117	0.19	2.48	65	0.20	8.77	61	2.4



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P.O. BOX 11584
1410 - 650 W. GEORGIA ST
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Plus Appendix Pages
Finalized Date: 20-DEC-2010
Account: SILQUE

Project: RUDE CK

CERTIFICATE OF ANALYSIS WH10181013

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
58663		0.32	0.006	0.05	2.15	4.2	<0.2	<10	170	0.50	0.54	0.42	0.14	42.8	9.2	34
58664		0.28	<0.005	0.04	2.51	6.5	<0.2	<10	200	0.63	0.52	0.31	0.15	54.1	11.9	30
58665		0.32	<0.005	0.07	2.26	7.4	<0.2	<10	110	0.46	0.24	0.28	0.11	30.4	10.2	32
58666		0.34	<0.005	0.09	2.25	11.3	<0.2	<10	190	0.44	0.23	0.41	0.15	43.1	10.2	40
58667		0.24	<0.005	0.12	2.07	4.8	<0.2	<10	180	0.44	0.31	0.33	0.19	39.7	11.1	31
58668		0.36	<0.005	0.06	2.19	5.9	<0.2	<10	230	0.52	0.26	0.40	0.13	30.8	10.6	27
58669		0.32	<0.005	0.08	2.18	2.4	<0.2	<10	190	0.40	0.24	0.43	0.15	29.0	10.4	31
58670		0.38	<0.005	0.09	2.21	5.2	<0.2	<10	230	0.46	0.26	0.48	0.11	37.0	9.3	29
58671		0.18	<0.005	0.17	1.89	1.9	<0.2	<10	290	0.38	0.21	0.55	0.21	32.0	9.5	29
58672		0.20	<0.005	0.17	1.98	5.1	<0.2	<10	280	0.33	0.24	0.59	0.17	25.6	13.2	29
58673		0.26	0.010	0.07	1.92	4.2	<0.2	<10	180	0.28	0.23	0.37	0.09	18.70	8.1	30
58674		0.26	<0.005	0.08	2.43	6.5	<0.2	<10	200	0.56	0.16	0.39	0.14	34.0	11.3	37
58675		0.20	<0.005	0.11	1.52	5.8	<0.2	<10	120	0.31	0.18	0.17	0.12	21.4	5.2	24
58676		0.18	<0.005	0.12	1.42	13.1	<0.2	<10	80	0.26	0.30	0.12	0.16	19.90	5.1	22
58677		0.42	0.007	0.22	2.16	15.8	<0.2	<10	220	0.63	0.19	0.44	0.23	40.6	10.4	35
58678		0.28	0.009	0.75	2.51	57.7	<0.2	<10	260	0.67	0.21	0.54	0.56	54.2	12.1	38
58679		0.38	0.006	0.61	2.46	49.6	<0.2	<10	180	0.64	0.36	0.50	0.40	56.2	10.8	35
58680		0.34	0.008	0.35	2.37	15.8	<0.2	<10	230	0.64	0.28	0.53	0.46	59.3	11.6	38
58681		0.30	<0.005	0.11	2.13	4.6	<0.2	<10	180	0.41	0.16	0.50	0.22	28.7	13.2	32
58682		0.32	<0.005	0.06	2.33	12.8	<0.2	<10	210	0.48	0.20	0.43	0.24	32.5	12.8	33
58683		0.24	0.006	0.30	2.56	13.0	<0.2	<10	300	0.66	0.26	0.52	0.36	38.0	15.4	35
58684		0.30	<0.005	0.12	2.08	7.5	<0.2	<10	210	0.68	0.17	0.51	0.20	39.0	9.0	22
58685		0.26	<0.005	0.13	2.19	9.7	<0.2	<10	200	0.69	0.50	0.48	0.19	35.9	9.3	28
58686		0.30	0.106	0.26	2.43	9.5	<0.2	<10	270	0.80	0.53	0.64	0.31	57.0	15.0	27
58687		0.36	<0.005	0.08	2.01	6.9	<0.2	<10	200	0.65	0.55	0.52	0.20	41.7	9.0	25
58688		0.24	<0.005	0.24	2.34	7.6	<0.2	<10	260	0.82	0.49	0.78	0.18	52.2	10.6	27
58689		0.36	<0.005	0.11	2.32	9.0	<0.2	<10	210	0.51	0.31	0.35	0.24	35.7	12.6	27
58690		0.18	<0.005	0.18	2.31	5.7	<0.2	<10	180	0.44	0.43	0.28	0.20	34.8	8.9	29
58691		0.24	<0.005	0.11	1.77	6.1	<0.2	<10	170	0.51	0.21	0.24	0.15	43.1	9.9	20
58692		0.18	<0.005	0.15	2.21	8.4	<0.2	<10	200	0.42	0.43	0.28	0.19	37.3	14.5	26
58693		0.20	<0.005	0.13	2.20	6.9	<0.2	<10	170	0.44	0.27	0.30	0.19	35.7	9.7	24
58694		0.20	<0.005	0.16	2.03	5.2	<0.2	<10	190	0.41	0.35	0.34	0.16	46.9	8.4	21
58695		0.26	<0.005	0.24	2.51	6.6	<0.2	<10	220	0.62	0.26	0.49	0.20	45.3	10.3	31
58696		0.26	<0.005	0.12	2.25	8.0	<0.2	<10	180	0.43	0.18	0.43	0.17	37.4	11.0	29
58697		0.30	<0.005	0.05	2.15	6.9	<0.2	<10	170	0.45	0.24	0.38	0.17	32.0	12.9	27
58698		0.24	<0.005	0.10	2.02	6.2	<0.2	<10	200	0.41	0.25	0.36	0.17	34.9	10.7	27
58699		0.22	0.005	0.19	2.37	9.5	<0.2	<10	200	0.48	0.22	0.29	0.17	35.6	10.7	30
58700		0.20	<0.005	0.07	1.70	7.5	<0.2	<10	90	0.26	0.19	0.25	0.12	22.4	7.0	28
58701		0.22	<0.005	0.03	2.31	6.7	<0.2	<10	140	0.52	0.16	0.31	0.09	37.1	10.4	27
58702		0.24	<0.005	0.05	2.40	4.8	<0.2	<10	100	0.85	0.15	0.17	0.10	61.3	7.6	9



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Project: RUDE CK

CERTIFICATE OF ANALYSIS WH10181013

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
58663		2.87	20.3	2.64	6.71	0.08	0.08	0.03	0.027	0.08	20.0	15.9	0.60	296	0.33
58664		3.58	15.8	3.38	8.65	0.08	0.05	0.03	0.031	0.07	21.4	21.3	0.62	711	0.68
58665		2.14	22.1	3.01	7.28	0.06	0.05	0.04	0.027	0.07	15.1	16.1	0.54	530	0.87
58666		1.60	23.2	3.40	7.14	0.08	0.18	0.03	0.031	0.06	18.8	16.9	0.58	241	0.67
58667		2.51	16.4	2.85	7.26	0.07	0.05	0.04	0.030	0.07	17.8	18.3	0.59	641	0.66
58668		3.89	14.9	3.14	7.22	0.07	0.04	0.03	0.031	0.07	15.4	18.2	0.60	701	0.58
58669		2.79	14.6	2.30	7.11	0.06	0.07	0.04	0.029	0.09	15.2	17.0	0.60	831	0.26
58670		4.43	11.1	3.25	7.85	0.07	0.06	0.06	0.030	0.09	17.5	18.6	0.59	331	0.41
58671		2.47	11.7	1.96	6.58	0.06	0.04	0.08	0.027	0.05	17.5	11.6	0.37	1000	0.34
58672		3.96	10.8	3.30	7.65	0.06	0.03	0.05	0.029	0.06	13.8	17.0	0.49	1140	0.80
58673		2.48	9.5	2.52	7.97	0.05	0.02	0.03	0.026	0.06	10.0	16.1	0.50	557	0.64
58674		1.54	19.4	2.89	7.54	0.06	0.04	0.03	0.031	0.06	17.6	16.5	0.61	376	0.59
58675		2.04	14.4	2.21	7.18	0.05	<0.02	0.05	0.023	0.04	11.1	7.7	0.32	181	1.37
58676		2.02	10.0	3.35	11.80	0.06	0.04	0.16	0.026	0.05	10.2	7.0	0.26	324	1.47
58677		2.69	22.0	3.25	6.25	0.08	0.09	0.04	0.033	0.10	19.3	15.6	0.60	533	0.51
58678		1.75	22.8	3.88	7.84	0.10	0.14	0.05	0.039	0.09	22.9	21.4	0.74	489	0.78
58679		2.14	18.7	3.57	7.72	0.09	0.10	0.06	0.037	0.09	27.2	21.6	0.74	434	0.69
58680		1.96	27.5	3.19	7.98	0.11	0.18	0.05	0.037	0.08	29.2	21.5	0.73	337	0.60
58681		1.41	11.1	2.60	7.16	0.07	0.07	0.05	0.030	0.06	13.4	20.3	0.66	736	0.43
58682		2.22	14.3	3.68	8.24	0.07	0.03	0.04	0.034	0.07	14.3	23.1	0.72	1010	0.95
58683		3.34	20.1	3.66	9.31	0.08	0.03	0.07	0.039	0.07	16.3	20.5	0.62	1090	1.58
58684		3.51	12.3	3.05	7.22	0.07	0.03	0.04	0.030	0.09	17.0	19.5	0.60	713	0.64
58685		3.40	17.0	3.06	8.45	0.08	0.03	0.04	0.029	0.08	20.0	20.7	0.59	423	1.15
58686		3.96	16.1	3.53	8.81	0.11	0.05	0.07	0.034	0.11	33.8	26.1	0.65	1480	1.12
58687		4.08	13.6	3.11	7.71	0.08	0.03	0.03	0.030	0.08	19.2	20.2	0.58	690	0.84
58688		2.57	17.8	3.15	8.60	0.09	0.04	0.06	0.035	0.09	31.8	21.2	0.57	825	1.02
58689		2.95	14.1	3.51	9.55	0.07	0.02	0.05	0.035	0.10	15.7	20.5	0.63	1610	1.07
58690		3.64	13.7	2.83	8.93	0.06	0.02	0.08	0.034	0.07	15.8	19.9	0.60	488	0.79
58691		2.53	12.4	3.28	7.36	0.08	0.03	0.04	0.031	0.10	19.8	17.4	0.48	980	0.77
58692		3.06	12.5	3.42	9.11	0.07	0.03	0.05	0.033	0.08	16.6	22.4	0.62	1120	0.97
58693		3.42	10.8	3.24	8.57	0.07	0.04	0.04	0.031	0.08	16.7	20.6	0.62	465	0.74
58694		5.20	11.7	2.96	9.02	0.09	0.04	0.06	0.035	0.10	23.8	23.3	0.59	511	0.56
58695		5.81	14.4	3.34	10.20	0.08	0.05	0.06	0.041	0.10	22.0	26.6	0.73	525	0.86
58696		3.81	12.5	3.36	8.62	0.08	0.04	0.05	0.033	0.10	18.2	23.8	0.72	580	0.81
58697		4.30	10.1	3.68	9.14	0.07	0.05	0.04	0.033	0.09	15.6	28.0	0.74	766	0.90
58698		3.15	13.4	3.00	9.09	0.07	0.04	0.04	0.032	0.07	16.6	21.6	0.61	787	0.90
58699		4.12	15.4	3.51	10.35	0.07	0.04	0.07	0.036	0.10	16.7	20.5	0.61	654	1.24
58700		2.76	10.5	2.89	9.24	0.06	0.05	0.05	0.024	0.07	13.6	16.7	0.60	249	0.94
58701		3.31	14.9	3.38	9.39	0.07	0.06	0.04	0.030	0.10	18.0	21.7	0.65	508	0.91
58702		4.02	10.6	2.85	12.30	0.08	0.04	0.06	0.031	0.06	28.3	27.2	0.50	1000	0.68



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CERTIFICATE OF ANALYSIS WH10181013

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
58663		1.55	19.4	1030	9.3	14.8	<0.001	0.02	0.36	5.9	0.4	0.5	20.5	<0.01	0.03
58664		1.58	18.5	760	10.4	18.1	<0.001	0.02	0.31	5.5	0.3	0.6	19.5	<0.01	0.02
58665		1.58	21.1	790	7.7	13.3	<0.001	0.03	0.38	4.0	0.3	0.5	19.2	0.01	0.03
58666		1.23	20.9	970	9.7	15.7	<0.001	0.01	0.43	8.1	0.5	0.6	25.7	<0.01	0.02
58667		1.49	18.2	800	8.4	17.1	<0.001	0.02	0.33	5.6	0.3	0.6	24.5	<0.01	0.02
58668		1.20	15.9	960	9.0	19.4	<0.001	0.03	0.32	4.2	0.3	0.6	27.7	<0.01	0.02
58669		1.42	17.7	880	8.9	21.0	<0.001	0.02	0.33	5.2	0.3	0.6	24.8	<0.01	0.01
58670		1.60	13.4	1040	9.3	24.5	<0.001	0.03	0.34	6.4	0.3	0.6	27.3	<0.01	0.02
58671		1.02	13.3	1260	7.2	13.4	<0.001	0.08	0.34	4.7	0.5	0.5	41.4	<0.01	0.02
58672		1.12	13.5	1490	8.4	15.3	<0.001	0.07	0.29	4.4	0.4	0.6	41.4	<0.01	0.02
58673		1.13	13.8	860	10.2	17.5	<0.001	0.05	0.27	3.2	0.2	0.6	26.3	<0.01	0.02
58674		1.39	21.7	770	9.8	12.4	<0.001	0.02	0.35	5.4	0.3	0.6	25.9	<0.01	0.02
58675		0.63	12.0	610	8.5	10.7	<0.001	0.04	0.43	1.2	0.3	0.6	16.9	<0.01	0.03
58676		1.97	9.6	440	12.0	10.4	<0.001	0.03	1.66	2.7	0.3	0.8	11.2	<0.01	0.04
58677		1.48	21.0	730	15.0	14.5	<0.001	0.02	1.42	7.6	0.6	0.5	29.5	<0.01	0.02
58678		1.65	22.2	810	21.1	17.7	<0.001	0.02	10.25	9.4	0.8	0.6	36.1	<0.01	0.02
58679		2.10	19.0	790	19.0	20.6	<0.001	0.02	3.14	8.4	0.7	0.7	32.4	<0.01	0.02
58680		2.65	23.2	770	15.1	17.7	<0.001	0.02	2.27	9.5	0.8	0.7	36.3	<0.01	0.03
58681		2.22	18.3	800	10.9	12.3	<0.001	0.03	0.92	5.6	0.4	0.6	30.2	<0.01	0.01
58682		1.81	20.9	870	11.8	19.5	<0.001	0.03	0.71	4.8	0.4	0.7	31.0	<0.01	0.03
58683		1.60	21.8	910	21.0	21.9	<0.001	0.06	0.97	6.2	0.6	0.6	44.2	<0.01	0.04
58684		1.68	13.8	640	13.7	19.2	<0.001	0.02	0.74	5.3	0.4	0.6	36.5	<0.01	0.03
58685		1.95	16.6	760	12.2	22.1	<0.001	0.04	0.49	4.6	0.6	0.6	43.4	<0.01	0.04
58686		1.97	17.1	1120	13.9	29.6	<0.001	0.05	0.61	7.4	0.9	0.7	52.6	<0.01	0.03
58687		1.38	15.1	780	11.8	18.4	<0.001	0.03	0.58	4.7	0.5	0.6	38.9	<0.01	0.02
58688		1.66	17.2	870	12.3	22.8	<0.001	0.06	0.61	6.2	0.8	0.7	58.3	<0.01	0.03
58689		1.71	15.8	850	15.2	24.7	<0.001	0.04	0.50	4.9	0.4	0.7	27.5	<0.01	0.03
58690		1.79	17.1	780	15.9	22.8	<0.001	0.04	0.42	4.6	0.4	0.7	21.6	<0.01	0.02
58691		1.73	10.3	910	10.1	21.9	<0.001	0.04	0.52	4.4	0.5	0.7	14.2	<0.01	0.02
58692		2.28	15.5	840	12.7	24.4	<0.001	0.04	0.58	4.7	0.5	0.8	19.1	<0.01	0.03
58693		2.44	14.1	740	11.8	21.8	<0.001	0.03	0.59	5.0	0.5	0.8	20.6	<0.01	0.02
58694		2.54	12.0	1080	19.6	28.0	<0.001	0.04	0.57	5.3	0.6	0.9	33.6	<0.01	0.02
58695		2.48	17.3	850	11.6	33.6	<0.001	0.04	0.67	6.9	0.6	0.9	38.7	<0.01	0.03
58696		2.55	18.1	880	11.4	21.3	<0.001	0.03	0.56	5.0	0.5	0.7	30.0	<0.01	0.03
58697		2.90	15.7	780	11.8	22.9	<0.001	0.02	0.52	4.9	0.4	0.8	27.3	<0.01	0.03
58698		2.21	15.2	690	9.5	20.2	<0.001	0.03	0.48	4.9	0.5	0.8	32.5	<0.01	0.02
58699		2.29	16.6	720	11.8	24.4	<0.001	0.04	0.73	5.2	0.6	0.9	42.1	<0.01	0.03
58700		2.69	15.8	360	11.4	15.7	<0.001	0.02	0.52	4.1	0.3	0.7	26.0	<0.01	0.03
58701		3.29	17.9	760	10.1	19.3	<0.001	0.02	0.61	4.8	0.5	0.8	28.4	0.01	0.03
58702		0.54	5.6	670	15.7	16.5	<0.001	0.02	0.63	4.6	0.5	0.6	72.1	<0.01	0.02



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
58663		0.130	0.19	3.62	69	0.22	11.05	57	2.6
58664		0.096	0.17	2.50	71	0.49	10.55	57	1.4
58665		0.118	0.13	1.78	71	0.39	7.07	52	1.4
58666		0.132	0.15	2.75	74	0.21	12.50	62	6.4
58667		0.111	0.17	2.63	66	0.20	8.98	63	1.5
58668		0.078	0.22	2.03	66	0.20	7.42	68	0.9
58669		0.109	0.20	2.60	56	0.29	8.52	55	2.1
58670		0.102	0.25	2.87	68	0.21	9.70	72	1.8
58671		0.060	0.23	3.67	33	0.14	10.90	60	1.1
58672		0.077	0.26	2.28	63	0.14	8.62	72	0.9
58673		0.086	0.17	1.27	59	0.18	4.18	64	0.7
58674		0.109	0.11	1.87	73	0.17	8.93	62	1.3
58675		0.046	0.16	1.50	56	0.12	3.89	38	<0.5
58676		0.126	0.14	0.96	93	0.19	2.94	37	1.1
58677		0.107	0.13	2.70	65	0.20	11.60	79	3.7
58678		0.122	0.18	3.86	79	0.18	14.85	103	5.8
58679		0.128	0.23	4.73	77	0.21	13.75	99	3.9
58680		0.145	0.22	5.57	83	0.22	15.55	81	7.1
58681		0.123	0.16	2.27	62	0.17	7.17	72	2.4
58682		0.111	0.19	1.93	78	0.19	6.27	97	1.2
58683		0.078	0.22	3.01	84	0.40	8.45	91	1.1
58684		0.061	0.22	1.81	61	1.39	8.37	71	1.0
58685		0.094	0.21	4.11	71	0.39	11.00	63	1.1
58686		0.087	0.34	5.69	79	0.49	17.80	77	1.2
58687		0.064	0.15	2.14	63	0.54	9.53	71	0.7
58688		0.064	0.22	4.21	68	0.91	15.90	72	1.0
58689		0.084	0.23	1.96	79	2.27	6.19	80	0.8
58690		0.080	0.24	2.34	62	0.72	5.17	75	0.8
58691		0.088	0.23	3.01	69	1.60	7.65	59	0.9
58692		0.113	0.26	1.95	77	0.86	6.26	75	1.0
58693		0.111	0.27	2.05	72	0.60	6.40	72	1.2
58694		0.110	0.30	3.54	58	1.68	9.23	70	1.3
58695		0.118	0.27	4.89	73	0.38	9.44	88	1.4
58696		0.146	0.20	1.79	77	0.34	8.03	83	1.5
58697		0.158	0.19	1.53	82	1.12	7.57	91	1.6
58698		0.124	0.20	1.83	71	0.21	7.39	72	1.2
58699		0.131	0.23	1.86	85	0.25	6.65	74	1.4
58700		0.149	0.15	0.75	78	0.19	4.66	58	1.8
58701		0.161	0.20	1.46	82	0.25	7.34	58	2.3
58702		0.007	0.23	0.91	38	0.36	9.11	43	1.0



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
58703		0.54	<0.005	0.01	2.34	2.9	<0.2	<10	380	0.67	0.09	0.42	0.07	85.2	11.2	12
58704		0.28	<0.005	0.06	3.24	11.3	<0.2	<10	130	0.65	0.19	0.16	0.11	34.3	11.8	42
58705		0.24	<0.005	0.05	2.79	7.7	<0.2	<10	200	0.72	0.13	0.26	0.10	45.7	11.7	30
58706		0.24	<0.005	0.07	2.20	5.2	<0.2	<10	190	0.40	0.26	0.36	0.14	34.1	9.4	26
58707		0.38	<0.005	0.14	2.66	8.1	<0.2	<10	260	0.76	0.28	0.39	0.16	59.9	11.1	32
58708		0.40	<0.005	0.08	2.15	5.1	<0.2	<10	210	0.55	0.19	0.38	0.10	44.1	10.0	28
58709		0.20	<0.005	0.05	2.25	8.4	<0.2	<10	200	0.58	0.19	0.24	0.18	24.3	9.8	29
58710		0.12	<0.005	0.09	0.94	3.4	<0.2	<10	70	0.19	0.21	0.11	0.09	20.5	2.0	15
58711		0.48	<0.005	0.11	1.60	7.4	<0.2	<10	220	1.21	0.39	0.42	0.22	57.5	13.9	20
58712		0.46	<0.005	0.15	0.76	6.4	<0.2	<10	180	2.63	0.32	0.40	0.45	58.7	16.4	7
58713		0.34	<0.005	0.06	2.04	7.6	<0.2	<10	190	0.87	0.21	0.28	0.24	62.2	10.0	22
58714		0.28	<0.005	0.07	1.97	8.3	<0.2	<10	160	0.30	0.23	0.30	0.07	23.4	8.8	26
58715		0.28	<0.005	0.08	2.74	9.7	<0.2	<10	170	0.60	0.19	0.33	0.14	32.6	12.6	34
58716		0.16	0.005	0.09	2.63	10.8	<0.2	<10	190	0.75	0.32	0.15	0.12	35.4	8.4	32
58717		0.34	0.010	0.06	2.56	8.3	<0.2	<10	150	0.54	0.20	0.33	0.14	34.2	10.3	34
58718		0.22	<0.005	0.07	1.81	7.6	<0.2	<10	110	0.42	0.25	0.22	0.16	22.5	4.8	25
58719		0.24	<0.005	0.09	2.42	9.2	<0.2	<10	150	0.66	0.27	0.25	0.24	26.5	7.7	31
58720		0.26	<0.005	0.08	2.95	10.3	<0.2	<10	110	0.68	0.20	0.18	0.25	28.7	11.0	28
58721		0.32	<0.005	0.05	2.28	7.8	<0.2	<10	120	0.51	0.17	0.26	0.14	24.4	9.1	30
58722		0.46	<0.005	0.28	2.60	10.6	<0.2	<10	230	0.77	0.23	0.48	0.50	60.9	12.8	35
58723		0.26	<0.005	4.46	2.29	9.0	<0.2	<10	170	0.35	0.19	0.40	0.66	22.7	7.5	33
58724		0.42	<0.005	0.16	2.63	8.8	<0.2	<10	270	0.51	0.23	0.52	0.18	35.8	10.0	40
58725		0.24	<0.005	0.07	2.46	12.6	<0.2	<10	150	0.36	0.21	0.37	0.15	22.6	10.3	33
58726		0.30	<0.005	0.04	2.21	7.7	<0.2	<10	170	0.52	0.21	0.37	0.17	33.8	11.2	31
58727		0.32	<0.005	0.07	2.70	10.9	<0.2	<10	230	0.65	0.18	0.41	0.12	45.8	12.8	38
58728		0.30	<0.005	0.07	2.75	8.4	<0.2	<10	150	0.50	0.17	0.33	0.13	26.3	10.2	36
58729		0.26	<0.005	0.05	2.76	12.4	<0.2	<10	120	0.56	0.19	0.20	0.16	25.4	13.0	37
58730		0.36	0.006	0.08	2.70	9.4	<0.2	<10	210	0.56	0.25	0.43	0.14	33.3	11.8	33
58731		0.46	<0.005	0.11	2.52	14.6	<0.2	<10	220	0.88	0.23	0.55	0.17	65.0	12.3	28
58732		0.44	<0.005	0.15	2.64	11.4	<0.2	<10	250	0.76	0.29	0.45	0.21	60.3	11.6	34
58733		0.20	<0.005	0.12	2.39	15.0	<0.2	<10	230	0.48	0.23	0.43	0.21	29.4	10.2	33
58734		0.30	0.007	0.13	2.17	13.8	<0.2	<10	270	0.48	0.23	0.49	0.27	28.4	12.4	32
58735		0.24	<0.005	0.21	2.63	11.4	<0.2	<10	250	0.75	0.25	0.50	0.22	37.1	12.8	34
58736		0.30	<0.005	0.26	2.30	11.2	<0.2	<10	250	0.72	0.41	0.55	0.27	47.8	11.8	30
58737		0.28	0.005	0.08	2.12	10.0	<0.2	<10	200	0.67	0.45	0.52	0.20	47.9	12.1	27
58738		0.18	<0.005	0.29	2.60	11.1	<0.2	<10	270	0.89	0.49	0.56	0.30	60.9	10.4	31
58739		0.36	<0.005	0.44	2.63	16.4	<0.2	<10	180	0.61	1.77	0.44	0.21	24.6	9.4	30
58740		0.26	0.006	0.34	2.26	20.6	<0.2	<10	120	0.98	1.88	0.40	0.23	30.3	16.0	28
58741		0.26	0.006	1.13	2.43	15.5	<0.2	<10	250	0.83	1.99	0.51	0.21	35.3	17.5	28
58742		0.34	0.008	0.82	2.21	14.0	<0.2	<10	280	0.77	2.35	0.45	0.26	35.8	12.1	21



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
58703		7.29	6.7	4.04	13.40	0.15	0.09	0.04	0.040	0.43	37.1	40.7	0.95	1110	0.42
58704		2.62	18.7	4.08	10.55	0.07	0.13	0.05	0.035	0.06	13.2	26.0	0.67	326	1.23
58705		2.36	17.8	3.48	8.38	0.09	0.21	0.04	0.034	0.09	22.0	24.3	0.65	449	0.62
58706		2.24	12.1	2.91	8.04	0.07	0.06	0.06	0.033	0.06	15.9	23.0	0.55	342	0.48
58707		3.32	19.4	4.56	9.75	0.12	0.10	0.09	0.041	0.13	33.9	26.2	0.66	345	0.58
58708		2.83	17.1	3.27	8.16	0.10	0.09	0.06	0.032	0.11	22.5	24.2	0.72	420	0.59
58709		5.73	11.5	3.59	8.05	0.06	0.02	0.03	0.031	0.08	13.0	21.7	0.45	644	1.26
58710		1.61	13.0	1.32	6.96	<0.05	0.02	0.04	0.016	0.03	11.3	2.2	0.08	62	1.50
58711		4.29	15.2	3.64	5.89	0.11	0.04	0.04	0.028	0.10	28.9	16.9	0.53	1290	1.50
58712		4.92	11.9	5.12	2.06	0.17	0.15	0.06	0.022	0.11	50.0	3.0	0.23	3050	1.81
58713		3.56	14.9	3.14	5.82	0.09	0.04	0.03	0.029	0.10	27.6	21.8	0.58	1480	0.99
58714		3.17	9.6	2.98	7.79	0.05	0.06	0.02	0.029	0.06	12.9	17.0	0.53	384	1.17
58715		2.27	21.5	3.36	7.64	0.08	0.09	0.04	0.037	0.09	16.8	20.2	0.70	551	0.76
58716		3.50	24.1	3.95	12.05	0.07	0.03	0.05	0.048	0.07	23.2	17.5	0.43	398	2.14
58717		2.75	19.0	3.47	8.59	0.08	0.05	0.03	0.040	0.11	17.8	20.0	0.71	484	0.86
58718		1.76	14.3	2.49	8.74	0.05	0.02	0.07	0.030	0.04	12.8	14.5	0.34	145	1.04
58719		2.35	19.2	3.56	9.68	0.07	0.04	0.04	0.039	0.06	14.9	20.5	0.44	296	1.59
58720		3.44	15.3	4.56	9.62	0.06	0.05	0.05	0.047	0.10	11.8	26.2	0.60	515	1.03
58721		1.95	15.0	3.10	7.20	0.06	0.03	0.04	0.032	0.07	13.0	18.6	0.59	322	0.72
58722		3.99	25.2	3.69	8.82	0.12	0.10	0.11	0.047	0.14	37.1	29.2	0.79	829	0.58
58723		3.33	14.8	3.06	8.74	0.06	0.03	0.19	0.035	0.08	12.5	22.1	0.70	322	0.81
58724		2.03	25.5	3.36	8.15	0.08	0.07	0.05	0.040	0.08	18.7	21.1	0.71	380	0.45
58725		2.18	15.1	3.45	8.90	0.06	0.05	0.03	0.037	0.07	12.0	20.5	0.66	404	0.95
58726		2.61	19.5	3.27	8.17	0.08	0.05	0.03	0.038	0.09	16.4	17.6	0.69	523	0.68
58727		2.46	27.5	3.41	7.98	0.08	0.06	0.04	0.042	0.08	21.3	19.6	0.72	521	0.60
58728		2.88	20.6	3.46	8.54	0.07	0.06	0.04	0.040	0.08	14.3	21.9	0.74	397	0.74
58729		2.58	19.9	3.73	8.46	0.06	0.09	0.04	0.043	0.07	11.6	21.6	0.60	442	1.18
58730		2.81	17.3	3.59	8.13	0.08	0.04	0.03	0.041	0.09	15.5	21.6	0.71	649	0.69
58731		3.42	17.3	4.00	8.34	0.11	0.08	0.05	0.044	0.10	33.0	21.9	0.74	372	0.48
58732		2.87	19.9	3.50	8.77	0.11	0.09	0.05	0.046	0.12	32.6	23.6	0.79	392	0.43
58733		2.46	15.7	3.20	8.06	0.06	0.04	0.03	0.039	0.08	14.7	21.2	0.68	607	0.59
58734		2.28	19.4	3.38	7.87	0.06	0.03	0.04	0.036	0.07	16.2	16.4	0.62	702	0.99
58735		3.87	20.4	3.42	8.49	0.09	0.03	0.05	0.042	0.07	23.1	19.1	0.63	763	1.06
58736		3.95	18.1	3.44	8.39	0.09	0.03	0.06	0.042	0.08	24.2	20.9	0.60	863	1.27
58737		4.96	14.1	3.42	7.80	0.09	0.03	0.03	0.037	0.10	23.5	21.7	0.69	899	0.94
58738		3.75	21.7	3.37	9.43	0.11	0.05	0.06	0.043	0.10	40.8	20.8	0.62	660	1.31
58739		5.43	66.6	3.30	8.79	0.08	0.04	0.05	0.032	0.11	13.3	23.2	0.76	201	3.85
58740		5.71	214	3.72	6.97	0.08	0.03	0.03	0.034	0.07	15.1	28.7	0.64	452	8.02
58741		5.67	387	3.73	6.79	0.07	0.03	0.04	0.043	0.08	17.0	21.4	0.66	673	16.25
58742		4.57	262	4.31	8.47	0.08	0.02	0.03	0.030	0.13	17.3	19.0	0.78	307	34.5



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
58703		2.45	7.3	1240	8.0	65.6	<0.001	0.01	0.71	8.0	0.7	1.2	29.1	<0.01	0.02
58704		2.70	25.6	360	11.2	15.1	<0.001	0.01	0.59	6.5	0.5	0.8	15.8	0.01	0.04
58705		2.62	21.9	720	8.5	15.6	<0.001	0.01	0.62	6.6	0.7	0.7	19.2	0.02	0.03
58706		2.58	14.5	690	11.9	14.4	<0.001	0.02	0.47	5.4	0.5	0.7	21.7	<0.01	0.02
58707		2.98	16.9	960	12.3	29.1	<0.001	0.03	0.69	8.9	0.8	0.9	32.2	<0.01	0.03
58708		2.92	16.2	850	8.5	27.5	<0.001	0.01	0.49	6.7	0.6	0.8	32.9	<0.01	0.03
58709		1.65	14.6	620	14.6	19.0	<0.001	0.01	0.49	4.8	0.5	0.6	17.7	<0.01	0.03
58710		1.12	5.1	250	10.0	8.4	<0.001	0.02	0.38	1.4	0.3	0.8	14.5	<0.01	0.02
58711		0.91	14.0	870	26.1	16.3	<0.001	0.01	1.36	6.6	0.7	0.5	24.3	<0.01	0.05
58712		0.05	11.2	830	43.4	9.7	<0.001	0.01	1.31	6.1	1.4	<0.2	23.1	0.01	0.02
58713		0.93	17.3	570	26.8	14.3	<0.001	0.01	0.63	4.9	0.5	0.4	18.1	<0.01	0.02
58714		1.58	14.9	330	11.7	16.0	<0.001	0.01	0.41	4.1	0.3	0.7	19.7	<0.01	0.03
58715		2.34	26.0	630	7.5	22.2	<0.001	0.01	0.37	5.9	0.6	0.7	21.3	0.01	0.03
58716		1.87	17.8	480	16.1	20.0	<0.001	0.03	0.61	5.9	0.7	0.9	17.8	<0.01	0.05
58717		2.33	19.8	680	8.4	27.3	<0.001	0.02	0.42	6.3	0.6	0.8	20.3	<0.01	0.04
58718		1.27	11.0	410	12.2	11.0	<0.001	0.02	0.38	2.7	0.4	0.7	20.2	<0.01	0.03
58719		2.27	17.4	370	10.1	19.7	<0.001	0.02	0.40	4.9	0.5	0.9	18.9	<0.01	0.04
58720		2.03	15.2	470	23.2	25.9	<0.001	0.02	0.66	5.7	0.4	0.8	12.8	<0.01	0.04
58721		1.62	18.5	550	10.1	16.4	<0.001	0.01	0.38	4.3	0.4	0.6	16.3	<0.01	0.03
58722		1.94	19.8	670	24.1	33.1	<0.001	0.01	0.73	11.3	0.9	0.9	27.8	0.01	0.02
58723		1.89	18.7	660	82.4	19.2	<0.001	0.02	1.68	5.1	0.4	0.8	22.8	<0.01	0.03
58724		1.82	23.7	780	10.1	20.1	<0.001	0.02	0.62	8.5	0.5	0.7	36.2	<0.01	0.03
58725		2.43	18.4	530	10.9	18.7	<0.001	0.02	0.64	5.2	0.3	0.8	26.1	<0.01	0.03
58726		2.18	19.8	640	8.6	20.6	<0.001	0.01	0.44	5.5	0.4	0.8	28.2	<0.01	0.02
58727		1.56	23.9	780	10.1	17.1	<0.001	0.01	0.75	7.8	0.7	0.7	36.0	<0.01	0.03
58728		2.05	22.5	760	9.5	16.9	<0.001	0.02	0.48	5.7	0.5	0.7	20.1	<0.01	0.02
58729		2.49	27.8	380	9.8	14.5	<0.001	0.02	0.59	5.5	0.6	0.7	15.7	0.02	0.04
58730		1.96	21.3	750	9.9	21.4	<0.001	0.02	0.54	5.6	0.4	0.7	24.7	<0.01	0.03
58731		2.09	17.0	920	12.1	28.0	<0.001	0.02	1.07	8.6	0.8	0.8	28.8	<0.01	0.03
58732		1.80	19.5	840	13.4	29.7	<0.001	0.01	0.87	9.7	0.7	0.8	23.9	0.01	0.03
58733		1.50	19.3	910	17.3	18.5	<0.001	0.03	0.81	5.4	0.5	0.7	28.0	<0.01	0.02
58734		1.33	18.4	900	10.9	18.8	<0.001	0.05	0.64	4.7	0.5	0.7	35.4	<0.01	0.03
58735		1.40	20.4	870	15.2	21.5	<0.001	0.05	0.63	5.9	0.7	0.7	36.7	<0.01	0.03
58736		1.45	17.6	920	14.8	23.6	<0.001	0.05	0.67	5.6	0.6	0.7	39.5	<0.01	0.04
58737		1.64	16.3	820	13.0	26.5	<0.001	0.02	0.58	5.5	0.5	0.7	33.1	<0.01	0.03
58738		1.69	19.7	920	13.0	28.1	<0.001	0.07	0.69	6.6	0.9	0.8	43.3	<0.01	0.03
58739		2.41	17.0	860	15.1	30.3	<0.001	0.03	0.61	5.9	0.8	1.4	42.1	<0.01	0.06
58740		1.48	18.6	750	15.2	19.5	<0.001	0.03	2.81	4.6	1.6	1.0	44.7	<0.01	0.07
58741		1.28	19.0	910	14.1	23.7	0.001	0.04	3.03	4.9	1.4	0.9	57.7	<0.01	0.06
58742		1.41	13.0	1080	22.0	28.1	<0.001	0.05	3.62	5.2	1.8	1.1	71.9	<0.01	0.07



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Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
58703		0.226	0.84	2.33	77	0.45	17.30	79	2.4
58704		0.157	0.25	0.95	96	0.19	5.45	59	5.8
58705		0.160	0.21	2.02	75	0.28	9.50	54	9.2
58706		0.119	0.22	1.53	67	0.28	7.12	68	2.2
58707		0.135	0.33	4.31	84	0.42	16.25	66	3.8
58708		0.161	0.29	2.59	72	0.45	12.05	66	3.6
58709		0.050	0.16	1.36	75	0.28	6.66	58	0.8
58710		0.063	0.12	0.95	49	0.14	2.90	18	0.5
58711		0.045	0.14	4.22	52	0.49	15.60	69	0.9
58712		<0.005	0.08	7.74	28	0.53	55.1	112	5.0
58713		0.058	0.15	2.26	48	0.33	9.95	54	1.3
58714		0.079	0.17	0.81	69	0.23	4.49	48	2.3
58715		0.148	0.19	1.22	74	0.24	8.32	59	3.5
58716		0.077	0.16	2.46	93	0.29	9.87	50	1.0
58717		0.146	0.26	1.52	78	0.21	7.97	63	2.2
58718		0.075	0.15	1.03	65	0.20	5.17	30	0.6
58719		0.118	0.17	1.44	84	0.26	7.55	48	1.3
58720		0.076	0.22	0.96	77	0.21	5.19	76	2.3
58721		0.094	0.15	1.43	65	0.18	5.21	55	1.0
58722		0.156	0.31	4.34	79	0.21	21.0	141	3.7
58723		0.132	0.23	1.22	69	0.24	5.57	212	1.4
58724		0.140	0.18	1.57	72	0.18	11.70	70	2.9
58725		0.147	0.19	0.98	84	0.18	5.29	60	2.2
58726		0.154	0.23	1.10	77	0.17	6.91	59	1.9
58727		0.130	0.22	2.16	74	0.19	12.20	66	2.3
58728		0.134	0.18	1.44	77	0.18	6.94	66	2.1
58729		0.136	0.16	0.78	83	0.21	4.35	52	3.8
58730		0.123	0.21	1.42	77	0.18	6.79	67	1.6
58731		0.111	0.28	5.92	78	0.18	14.70	77	2.6
58732		0.131	0.28	4.88	81	0.17	18.00	80	3.5
58733		0.096	0.24	2.07	73	0.29	7.51	77	1.3
58734		0.089	0.18	2.12	78	0.22	7.79	80	0.9
58735		0.080	0.21	3.55	75	0.57	13.90	80	0.9
58736		0.084	0.24	4.19	77	0.63	11.65	75	0.9
58737		0.095	0.19	2.54	73	0.25	9.68	83	1.1
58738		0.080	0.25	6.36	77	0.93	18.90	76	1.1
58739		0.144	0.40	4.13	79	5.61	6.46	55	1.5
58740		0.091	0.25	8.75	71	1.42	6.73	61	1.0
58741		0.077	0.32	9.11	66	1.58	7.77	58	0.8
58742		0.085	0.34	6.25	76	2.92	9.00	48	0.8



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
58743		0.34	0.014	0.75	2.70	16.7	<0.2	<10	190	1.14	2.48	0.26	0.23	44.5	22.6	24
58744		0.32	<0.005	0.39	2.73	11.1	<0.2	<10	130	0.80	1.54	0.23	0.12	24.4	8.0	31
58745		0.22	<0.005	0.12	3.03	13.5	<0.2	<10	110	0.71	0.69	0.27	0.15	23.9	7.2	26
58746		0.24	<0.005	0.15	2.79	12.4	<0.2	<10	140	0.69	1.55	0.36	0.19	27.6	16.5	32
58747		0.24	<0.005	0.12	2.29	11.2	<0.2	<10	160	0.56	0.64	0.38	0.19	25.8	9.3	32
58748		0.24	0.012	0.39	2.26	16.4	<0.2	<10	160	0.69	0.94	0.32	0.18	26.7	8.4	27
58749		0.28	0.024	0.29	2.54	9.9	<0.2	<10	170	0.50	1.72	0.36	0.24	23.4	9.2	33
58750		0.28	0.005	0.24	2.38	9.0	<0.2	<10	160	0.55	1.55	0.62	0.12	33.6	7.0	21
58751		0.30	0.008	0.22	2.11	7.2	<0.2	<10	160	0.48	1.21	0.47	0.11	37.3	7.2	22
58752		0.18	<0.005	0.37	1.86	9.6	<0.2	<10	160	0.48	1.23	0.22	0.20	23.3	6.3	20
58753		0.10	<0.005	0.26	3.12	11.0	<0.2	<10	100	0.56	1.10	0.13	0.13	34.5	6.6	35
58754		0.20	<0.005	0.47	1.62	10.6	<0.2	<10	80	0.40	0.99	0.14	0.45	14.60	5.4	25
58755		0.16	0.008	0.58	2.55	8.8	<0.2	<10	140	0.71	1.47	0.37	0.16	24.5	6.7	28
58756		0.34	0.019	0.47	2.56	8.8	<0.2	<10	160	0.51	1.11	0.35	0.13	21.7	9.5	28
58757		0.38	0.018	0.23	2.29	8.6	<0.2	<10	170	0.49	0.99	0.39	0.25	28.3	9.8	28
58758		0.28	0.012	0.17	2.84	12.6	<0.2	<10	160	0.82	0.57	0.39	0.16	30.6	13.9	34
58759		0.28	0.031	0.07	2.53	10.4	<0.2	<10	110	0.69	0.51	0.42	0.18	26.4	17.6	32
58760		0.20	<0.005	0.10	2.34	12.4	<0.2	<10	80	0.39	0.25	0.18	0.15	16.10	7.2	33
58761		0.26	<0.005	0.12	3.68	12.7	<0.2	<10	110	0.65	0.19	0.19	0.21	25.9	15.9	41
58762		0.24	0.021	0.24	1.77	15.0	<0.2	<10	200	0.30	2.00	0.41	0.22	16.60	9.2	22
58763		0.18	<0.005	0.44	1.00	6.3	<0.2	<10	70	0.26	1.04	0.17	0.20	18.90	5.0	16
58764		0.18	0.016	0.39	1.71	16.1	<0.2	<10	140	0.31	0.44	0.33	0.31	24.2	8.4	27
58765		0.20	<0.005	0.29	1.66	12.3	<0.2	<10	130	0.33	0.28	0.32	0.61	24.1	7.3	25
58766		0.22	<0.005	0.37	2.41	11.3	<0.2	<10	150	0.50	0.28	0.32	0.10	31.4	9.5	31
58767		0.26	<0.005	0.46	2.27	9.1	<0.2	<10	180	0.50	0.25	0.32	0.35	52.3	10.8	28
58768		0.28	<0.005	0.28	2.66	9.6	<0.2	<10	240	0.61	0.26	0.31	0.13	32.0	11.4	32
58769		0.30	<0.005	0.16	3.31	12.0	<0.2	<10	180	0.72	0.25	0.35	0.10	34.5	11.9	34
58770		0.22	<0.005	0.21	2.18	12.8	<0.2	<10	170	0.40	0.62	0.51	0.34	26.2	9.2	22
58771		0.32	<0.005	0.07	2.70	10.7	<0.2	<10	220	0.44	0.24	0.42	0.12	29.9	9.4	32
58772		0.18	0.024	0.05	1.78	8.1	<0.2	<10	80	0.21	0.36	0.21	0.15	18.30	7.8	25
58773		0.32	<0.005	0.21	1.89	13.1	<0.2	<10	150	0.53	0.56	0.58	0.14	41.6	10.3	21
58774		0.36	<0.005	0.12	2.04	8.9	<0.2	<10	160	0.37	0.40	0.42	0.14	26.4	9.6	27
58775		0.32	<0.005	0.12	2.69	13.5	<0.2	<10	210	0.55	0.57	0.39	0.14	33.2	11.2	32
58776		0.16	<0.005	0.21	2.96	11.6	<0.2	<10	200	0.49	0.50	0.29	0.18	27.7	9.5	36
58777		0.30	<0.005	0.08	1.95	9.6	<0.2	<10	150	0.44	0.43	0.39	0.14	31.8	9.3	26
58778		0.22	0.006	0.61	2.99	30.9	<0.2	<10	240	1.07	1.11	0.63	0.35	53.6	13.8	20
58779		0.26	<0.005	0.13	1.95	10.9	<0.2	<10	140	0.44	0.84	0.43	0.21	29.8	11.6	26
58780		0.26	<0.005	0.29	2.22	8.7	<0.2	<10	210	0.69	0.71	0.53	0.22	54.0	11.8	27
58781		0.26	<0.005	0.29	2.12	5.8	<0.2	<10	220	0.58	0.36	0.53	0.10	49.4	10.7	24
58782		0.30	<0.005	0.42	2.01	6.4	<0.2	<10	270	0.63	0.43	0.59	0.17	51.2	11.0	20



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
58743		4.97	253	4.83	7.64	0.08	0.03	0.04	0.042	0.10	23.4	18.9	0.66	444	94.4
58744		5.29	98.6	4.81	9.69	0.09	0.05	0.04	0.025	0.21	14.0	21.8	1.01	220	21.6
58745		5.72	26.9	3.97	10.75	0.07	0.04	0.07	0.036	0.10	12.8	16.8	0.51	284	2.83
58746		3.31	44.2	3.82	6.87	0.07	0.05	0.04	0.032	0.08	14.2	16.7	0.69	428	1.67
58747		2.41	43.8	3.16	7.28	0.07	0.03	0.05	0.032	0.06	13.8	14.3	0.54	350	2.03
58748		4.61	34.2	3.39	7.57	0.07	0.03	0.04	0.029	0.06	16.0	18.3	0.59	194	4.65
58749		3.07	26.4	2.90	7.76	0.05	0.03	0.03	0.031	0.08	12.2	16.4	0.58	280	1.90
58750		3.83	17.1	3.08	8.59	0.07	0.04	0.02	0.028	0.09	19.1	17.9	0.72	267	3.10
58751		3.27	22.0	3.40	7.52	0.07	0.04	0.02	0.027	0.07	19.7	17.7	0.60	172	6.70
58752		3.54	26.9	2.52	7.50	<0.05	0.02	0.04	0.026	0.07	12.4	10.3	0.41	175	3.67
58753		2.88	24.2	3.83	9.99	0.05	0.05	0.07	0.036	0.05	18.0	17.2	0.37	192	3.33
58754		3.05	19.4	3.51	10.70	<0.05	0.03	0.04	0.028	0.05	7.6	10.5	0.24	240	5.84
58755		8.76	26.1	2.81	9.21	0.05	0.02	0.04	0.029	0.08	14.1	17.0	0.59	308	5.64
58756		5.44	16.8	3.01	7.87	0.05	0.03	0.03	0.027	0.06	11.7	25.1	0.66	337	3.43
58757		4.42	21.3	2.83	7.78	0.05	0.02	0.03	0.026	0.08	14.5	17.0	0.58	371	2.44
58758		3.78	25.9	3.21	7.32	0.06	0.09	0.09	0.031	0.09	16.4	17.5	0.68	557	1.57
58759		3.32	22.6	3.02	6.76	0.06	0.06	0.04	0.026	0.08	12.9	16.9	0.57	701	1.24
58760		1.80	14.8	4.10	11.05	0.05	0.04	0.06	0.032	0.05	7.9	16.4	0.34	235	1.64
58761		2.80	19.2	3.44	7.18	0.05	0.07	0.07	0.035	0.06	10.3	21.5	0.61	356	0.98
58762		5.69	14.9	3.40	10.30	0.05	0.04	0.04	0.027	0.09	7.7	16.0	0.43	474	1.63
58763		2.70	14.6	1.94	6.53	<0.05	0.03	0.03	0.016	0.06	10.4	5.1	0.19	236	1.36
58764		5.60	16.7	2.99	8.03	0.05	0.03	0.05	0.023	0.06	11.8	14.5	0.52	382	1.16
58765		3.01	18.5	2.81	7.89	<0.05	0.03	0.03	0.023	0.08	13.5	12.5	0.46	350	1.28
58766		4.59	18.1	3.43	9.07	0.06	0.05	0.04	0.032	0.09	15.9	19.7	0.61	429	1.67
58767		4.97	20.5	3.20	8.69	0.06	0.04	0.04	0.030	0.08	31.1	18.7	0.56	551	1.37
58768		5.81	16.7	3.61	10.10	0.05	0.03	0.03	0.032	0.09	14.3	20.3	0.59	824	1.16
58769		9.12	16.2	4.18	10.80	0.06	0.06	0.04	0.037	0.13	15.8	35.9	0.83	623	1.03
58770		8.79	27.6	3.03	8.75	0.06	0.03	0.03	0.024	0.13	14.3	19.7	0.65	418	1.60
58771		5.80	16.1	3.51	10.30	0.06	0.05	0.05	0.032	0.09	16.6	22.2	0.73	494	1.21
58772		3.12	10.3	2.55	7.97	0.05	0.05	0.03	0.020	0.06	9.8	13.6	0.55	342	0.91
58773		4.83	25.6	3.20	7.01	0.06	0.05	0.02	0.025	0.11	21.4	20.6	0.68	673	1.27
58774		2.95	15.1	2.82	6.75	0.07	0.06	0.02	0.023	0.09	14.1	17.9	0.65	398	0.67
58775		3.99	19.8	3.43	9.08	0.06	0.07	0.02	0.027	0.10	18.5	19.9	0.70	524	0.98
58776		3.36	26.2	3.23	9.20	0.06	0.04	0.05	0.032	0.08	14.7	16.3	0.60	337	1.06
58777		3.85	20.1	2.86	6.79	0.07	0.05	0.02	0.021	0.10	16.8	15.8	0.58	426	0.74
58778		9.69	103.5	3.95	11.25	0.08	0.05	0.06	0.031	0.22	30.7	28.1	0.79	715	4.57
58779		3.81	21.5	2.99	7.30	0.07	0.04	0.03	0.023	0.10	15.7	19.4	0.62	542	1.23
58780		4.26	21.4	3.47	7.60	0.08	0.11	0.03	0.035	0.14	30.0	21.2	0.74	936	0.73
58781		3.20	17.3	3.12	8.28	0.07	0.04	0.05	0.033	0.10	34.5	20.2	0.58	726	0.89
58782		4.37	17.5	3.27	7.28	0.07	0.05	0.04	0.034	0.11	29.5	20.6	0.60	925	1.10



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
58743		1.54	16.1	790	25.1	24.4	<0.001	0.03	3.87	6.0	1.9	1.3	15.1	<0.01	0.14	11.4
58744		1.99	12.5	1000	17.2	40.7	<0.001	0.08	1.00	7.2	1.3	2.5	40.7	<0.01	0.08	10.7
58745		2.64	13.3	740	14.4	24.8	<0.001	0.08	0.71	5.1	0.8	1.9	46.0	0.02	0.07	7.7
58746		1.96	26.1	920	11.2	17.4	<0.001	0.03	0.67	5.2	0.7	0.7	36.7	0.01	0.05	5.0
58747		1.51	18.7	940	12.2	14.0	<0.001	0.03	0.59	4.1	0.7	0.7	34.0	<0.01	0.06	1.5
58748		1.58	15.2	850	12.9	16.2	<0.001	0.04	0.46	4.0	0.7	0.7	34.0	<0.01	0.05	2.2
58749		1.75	18.9	790	13.0	16.3	<0.001	0.03	0.60	3.8	0.5	0.6	46.4	<0.01	0.14	2.6
58750		2.46	11.9	950	10.1	20.6	<0.001	0.04	0.48	5.3	0.5	0.8	79.0	<0.01	0.09	6.3
58751		2.34	11.7	830	10.7	14.5	0.001	0.06	0.50	4.8	1.0	0.8	76.1	<0.01	0.18	7.6
58752		1.73	12.1	440	10.9	12.7	<0.001	0.09	0.58	2.9	0.6	1.0	53.5	<0.01	0.15	2.3
58753		2.61	15.2	580	11.0	9.9	<0.001	0.05	0.64	5.4	1.0	0.8	26.4	0.01	0.15	3.1
58754		2.29	11.9	430	12.2	12.5	<0.001	0.04	0.70	2.5	0.5	0.8	23.3	<0.01	0.08	1.1
58755		1.46	16.1	690	11.4	17.8	<0.001	0.05	0.59	2.8	0.5	0.6	50.4	0.01	0.06	0.8
58756		1.75	16.3	640	14.6	14.3	<0.001	0.02	0.67	3.8	0.4	0.6	40.4	<0.01	0.09	4.2
58757		1.72	15.1	760	14.6	17.9	<0.001	0.02	0.75	3.7	0.4	0.7	46.1	<0.01	0.10	2.2
58758		1.63	25.2	790	9.7	15.7	<0.001	0.02	0.61	5.7	0.5	0.6	42.1	0.01	0.06	5.9
58759		1.84	23.2	890	8.8	12.2	<0.001	0.03	0.65	4.2	0.5	0.5	36.5	0.01	0.06	2.9
58760		2.55	16.3	450	12.7	7.1	<0.001	0.03	0.67	3.4	0.5	0.8	16.1	0.01	0.05	1.7
58761		2.41	34.1	470	10.0	11.1	<0.001	0.03	0.57	5.4	0.6	0.5	17.4	0.02	0.04	3.8
58762		2.66	14.2	370	10.5	21.9	<0.001	0.03	0.85	3.2	0.3	0.7	41.9	0.01	0.06	3.5
58763		1.70	9.5	280	9.9	17.1	<0.001	0.02	0.63	2.0	0.3	0.7	18.8	<0.01	0.02	1.7
58764		1.62	17.7	760	8.5	21.0	<0.001	0.05	0.66	2.5	0.4	0.6	30.2	<0.01	0.05	0.9
58765		1.83	17.7	470	11.1	23.7	<0.001	0.03	0.59	2.9	0.3	0.6	29.8	<0.01	0.03	1.2
58766		2.36	21.0	360	11.0	23.2	<0.001	0.02	0.48	4.9	0.4	0.7	31.5	<0.01	0.04	5.0
58767		2.12	21.0	590	10.3	26.3	<0.001	0.04	0.47	4.3	0.5	0.6	36.7	<0.01	0.03	2.3
58768		2.55	19.6	420	14.1	28.0	<0.001	0.02	0.50	4.6	0.4	0.7	35.8	<0.01	0.03	5.9
58769		3.46	24.0	460	14.0	30.4	<0.001	0.03	0.58	5.8	0.4	0.7	38.2	0.01	0.03	9.1
58770		2.16	14.1	850	12.0	30.8	<0.001	0.03	0.65	4.1	0.4	0.8	56.7	0.01	0.04	3.0
58771		2.39	19.9	560	11.4	26.8	<0.001	0.02	0.50	5.2	0.4	0.7	47.3	<0.01	0.02	4.3
58772		2.56	14.1	400	10.0	16.7	<0.001	0.02	0.50	3.6	0.3	0.6	19.8	<0.01	0.03	3.6
58773		2.06	12.7	820	17.3	22.0	<0.001	0.02	0.65	5.3	0.4	0.7	43.7	0.01	0.03	9.8
58774		2.20	16.7	750	9.5	20.4	<0.001	0.02	0.58	4.4	0.4	0.5	32.5	<0.01	0.03	7.2
58775		2.67	18.5	650	12.5	23.5	<0.001	0.02	0.61	5.3	0.4	0.7	36.1	<0.01	0.04	7.9
58776		1.94	20.7	770	11.6	22.8	<0.001	0.04	0.54	4.7	0.6	0.7	28.9	<0.01	0.05	2.6
58777		2.25	14.7	790	9.0	23.3	<0.001	0.01	0.52	4.5	0.3	0.6	32.8	<0.01	0.04	7.5
58778		3.51	13.2	970	22.1	41.2	<0.001	0.04	1.07	6.6	0.6	1.1	69.7	0.01	0.07	10.9
58779		2.28	15.5	730	10.4	21.4	<0.001	0.02	0.54	4.3	0.3	0.6	38.6	<0.01	0.05	7.0
58780		1.76	17.5	730	30.9	28.0	<0.001	0.01	0.68	7.1	0.5	0.6	35.8	<0.01	0.03	13.6
58781		2.04	13.9	620	12.0	29.3	<0.001	0.03	0.46	6.0	0.6	0.7	34.5	<0.01	0.02	6.7
58782		1.89	14.1	630	18.4	24.5	<0.001	0.02	0.75	6.1	0.5	0.7	38.6	<0.01	0.02	9.8



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
58743		0.058	0.36	9.52	66	4.95	9.51	43	0.9
58744		0.105	0.55	8.59	89	3.10	7.38	40	2.1
58745		0.115	0.39	2.87	79	0.60	5.13	35	1.5
58746		0.125	0.20	2.57	71	0.59	5.74	55	2.0
58747		0.107	0.18	3.48	70	0.42	7.33	51	1.3
58748		0.101	0.20	7.81	72	0.47	8.74	48	0.8
58749		0.110	0.20	3.91	64	0.29	5.91	62	1.2
58750		0.134	0.33	8.25	66	0.90	9.18	44	1.3
58751		0.110	0.25	8.17	65	0.41	9.96	37	1.4
58752		0.090	0.15	3.01	49	0.36	4.15	36	0.8
58753		0.108	0.17	3.57	73	0.39	7.33	40	2.1
58754		0.120	0.14	0.94	86	0.27	2.45	39	1.4
58755		0.090	0.20	3.05	62	0.26	5.95	55	0.7
58756		0.103	0.21	2.66	61	0.24	5.03	57	1.0
58757		0.119	0.20	2.20	62	0.21	7.27	53	0.8
58758		0.113	0.15	2.95	64	0.17	8.48	60	3.4
58759		0.127	0.12	1.61	70	0.40	7.31	60	1.9
58760		0.123	0.11	0.50	96	0.21	2.69	40	1.6
58761		0.126	0.12	0.83	70	0.28	4.51	56	2.6
58762		0.150	0.17	0.85	90	0.21	3.12	44	1.6
58763		0.103	0.12	0.71	57	0.21	3.01	32	1.0
58764		0.106	0.14	1.59	78	0.24	4.74	53	0.9
58765		0.115	0.10	1.31	73	0.23	4.13	48	1.0
58766		0.127	0.18	3.01	84	0.18	6.63	57	1.8
58767		0.116	0.15	2.53	76	0.19	11.00	58	1.1
58768		0.117	0.21	1.82	85	0.19	4.79	68	1.3
58769		0.161	0.28	1.65	90	0.23	6.38	74	2.3
58770		0.128	0.26	1.79	67	2.05	6.60	55	0.9
58771		0.137	0.23	2.14	89	0.44	6.79	67	1.7
58772		0.145	0.17	0.93	65	0.25	3.84	53	1.6
58773		0.109	0.24	3.56	63	1.33	10.90	60	1.7
58774		0.146	0.21	2.40	64	0.23	6.68	60	2.4
58775		0.163	0.28	3.92	81	0.31	7.82	66	2.8
58776		0.123	0.23	4.05	70	0.31	6.63	65	1.6
58777		0.144	0.26	2.56	66	0.33	7.71	54	2.1
58778		0.157	0.43	6.47	79	2.54	15.10	61	1.5
58779		0.150	0.21	2.41	69	0.44	6.50	61	1.6
58780		0.108	0.26	3.10	65	0.49	18.70	86	3.7
58781		0.093	0.22	4.79	66	0.32	19.85	62	1.2
58782		0.078	0.22	3.38	61	1.16	16.65	67	1.5



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
58783		0.34	<0.005	0.24	2.34	6.9	<0.2	<10	240	0.62	0.64	0.52	0.15	47.7	10.2	21
58784		0.34	<0.005	0.31	2.00	8.1	<0.2	<10	240	0.69	0.47	0.59	0.30	58.1	9.5	20
58785		0.28	<0.005	0.60	2.07	5.5	<0.2	<10	370	0.90	0.53	1.11	0.28	61.2	8.0	20
58786		0.36	<0.005	0.17	2.25	6.4	<0.2	<10	280	0.56	0.81	0.66	0.22	38.3	10.0	25
58787		0.38	<0.005	0.13	2.22	6.2	<0.2	<10	330	0.62	1.05	0.63	0.13	48.5	11.3	24
58788		0.24	<0.005	0.16	2.17	5.5	<0.2	<10	320	0.49	0.61	0.76	0.17	46.4	12.3	25
58789		0.38	<0.005	0.13	2.20	5.6	<0.2	<10	290	0.47	0.62	0.69	0.11	41.9	10.8	22
58790		0.30	<0.005	0.22	1.72	7.2	<0.2	<10	250	0.44	0.38	0.89	0.31	33.6	9.8	31
58791		0.40	<0.005	0.20	2.24	5.3	<0.2	<10	360	0.58	0.63	0.74	0.16	49.1	10.7	29
58792		0.30	<0.005	0.29	2.03	5.3	<0.2	<10	290	0.52	1.74	0.81	0.34	45.1	10.6	23
58793		0.24	<0.005	0.20	1.82	7.0	<0.2	<10	380	0.45	0.49	0.82	0.24	41.0	14.7	28
58794		0.32	<0.005	0.14	2.13	6.2	<0.2	<10	310	0.49	0.56	0.58	0.24	46.3	12.4	30
58795		0.22	<0.005	0.17	1.81	7.2	<0.2	<10	350	0.50	0.35	1.61	0.59	34.0	12.5	31
58796		0.34	<0.005	0.11	2.66	5.6	<0.2	<10	330	0.57	0.27	0.71	0.12	49.1	12.8	29
58797		0.38	<0.005	0.13	2.03	6.8	<0.2	<10	380	0.60	0.20	0.65	0.14	43.4	10.3	33
58798		0.24	<0.005	0.20	2.35	16.6	<0.2	<10	310	0.57	0.25	0.43	0.27	52.0	10.9	22
58799		0.36	<0.005	0.34	2.53	31.5	<0.2	<10	350	0.71	0.28	0.24	0.22	41.8	13.4	21
58800		0.14	<0.005	1.82	1.74	27.5	<0.2	<10	340	0.75	0.37	1.20	1.75	51.3	8.4	20
58801		0.28	<0.005	0.50	1.63	5.1	<0.2	<10	520	1.00	0.79	0.92	0.55	52.0	9.6	14
58802		0.26	<0.005	0.30	2.26	4.4	<0.2	<10	300	0.60	0.76	0.61	0.42	58.4	11.2	21
58803		0.28	<0.005	0.27	1.50	4.3	<0.2	<10	540	0.41	1.46	0.11	0.32	37.7	6.9	12
58804		0.28	<0.005	0.05	1.87	7.4	<0.2	<10	300	0.92	0.90	0.29	0.09	70.8	10.7	24
58805		0.32	<0.005	0.24	1.69	7.7	<0.2	<10	360	0.63	1.51	0.37	0.16	45.6	9.8	20
58806		0.30	<0.005	0.08	2.38	7.9	<0.2	<10	270	0.61	0.64	0.16	0.14	44.9	9.8	22
58807		0.30	<0.005	0.13	2.64	9.5	<0.2	<10	250	0.53	0.19	0.13	0.16	26.6	11.4	31
58808		0.26	<0.005	0.19	2.76	9.9	<0.2	<10	170	0.60	0.24	0.18	0.16	33.9	9.6	39
58809		0.24	<0.005	0.14	2.67	10.3	<0.2	<10	190	0.54	0.66	0.13	0.24	30.3	11.2	31
58810		0.28	<0.005	0.06	2.82	7.7	<0.2	<10	360	0.94	0.30	0.24	0.07	40.8	11.7	30
58811		0.28	<0.005	0.06	2.82	7.5	<0.2	<10	160	0.48	0.32	0.19	0.23	20.3	12.0	34
58812		0.22	<0.005	0.06	3.03	10.0	<0.2	<10	190	0.59	0.25	0.19	0.17	21.9	13.9	38
58813		0.26	<0.005	0.10	2.29	7.8	<0.2	<10	230	0.54	0.33	0.22	0.12	38.1	12.1	27
58814		0.26	<0.005	0.33	2.41	8.8	<0.2	<10	230	0.52	0.69	0.17	0.19	32.4	10.1	32
58815		0.26	0.007	0.16	2.61	8.7	<0.2	<10	320	0.62	2.19	0.29	0.29	25.7	14.6	34
58816		0.30	<0.005	0.20	2.31	7.2	<0.2	<10	170	0.52	0.98	0.21	0.30	40.9	9.5	19
58817		0.32	<0.005	0.21	2.15	8.1	<0.2	<10	400	0.70	2.47	0.15	0.18	34.6	10.9	16
58818		0.24	<0.005	0.39	1.61	6.8	<0.2	<10	1240	0.86	2.73	0.53	0.24	47.6	10.0	18
58819		0.32	<0.005	0.06	2.19	5.6	<0.2	<10	310	0.54	0.53	0.21	0.09	31.3	10.3	22
58820		0.24	<0.005	0.10	1.73	7.0	<0.2	<10	300	0.85	0.40	0.43	0.12	47.9	10.8	11
58821		0.32	<0.005	0.17	2.86	6.5	<0.2	<10	360	0.63	0.67	0.29	0.12	29.4	14.9	25
58822		0.36	<0.005	0.09	1.38	7.7	<0.2	<10	520	0.90	0.31	0.34	0.05	35.6	11.1	21



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CERTIFICATE OF ANALYSIS WH10181013

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
58783		6.57	14.3	3.41	8.19	0.07	0.05	0.03	0.044	0.15	28.9	25.0	0.70	705	0.80
58784		6.22	13.8	3.18	7.00	0.08	0.10	0.04	0.046	0.14	33.0	19.7	0.64	729	0.72
58785		3.36	18.7	2.86	5.93	0.08	0.07	0.07	0.036	0.13	42.4	16.6	0.52	699	0.76
58786		4.37	13.2	3.46	7.26	0.07	0.07	0.02	0.041	0.19	20.6	22.4	0.76	672	0.79
58787		5.27	14.1	3.59	7.65	0.08	0.09	0.03	0.036	0.22	25.7	22.9	0.80	889	0.90
58788		3.51	14.7	3.41	7.38	0.08	0.07	0.04	0.032	0.17	24.4	21.3	0.74	1280	1.07
58789		3.97	11.1	3.57	7.64	0.07	0.06	0.03	0.033	0.16	22.7	21.4	0.80	1060	0.65
58790		1.48	36.9	2.90	5.17	0.08	0.17	0.03	0.026	0.11	17.3	15.5	0.69	425	0.65
58791		3.08	21.4	3.18	7.18	0.07	0.06	0.05	0.034	0.11	26.3	19.8	0.65	865	0.72
58792		3.25	13.9	3.28	6.97	0.07	0.07	0.05	0.035	0.14	23.9	19.0	0.64	1470	1.07
58793		2.20	19.5	3.61	5.72	0.06	0.06	0.05	0.027	0.08	19.9	13.9	0.54	935	1.27
58794		2.13	21.2	3.22	6.86	0.07	0.09	0.04	0.031	0.11	24.0	18.1	0.65	609	0.67
58795		1.10	34.7	2.87	5.26	0.06	0.09	0.07	0.027	0.08	17.9	13.8	0.59	765	0.72
58796		3.98	20.2	4.36	10.05	0.10	0.13	0.04	0.044	0.26	29.7	32.8	1.05	703	0.53
58797		1.42	31.7	3.09	6.43	0.07	0.13	0.14	0.031	0.09	25.5	15.4	0.63	580	0.63
58798		2.76	10.9	3.88	9.49	0.06	0.07	0.03	0.036	0.24	23.4	22.6	0.72	793	1.16
58799		3.24	14.1	4.47	8.80	0.07	0.09	0.03	0.050	0.22	18.6	22.9	0.72	1000	2.41
58800		1.96	28.0	2.92	5.88	0.10	0.07	0.08	0.042	0.11	49.0	15.4	0.47	675	1.66
58801		3.45	19.4	3.19	4.92	0.10	0.10	0.09	0.033	0.14	53.7	14.2	0.34	954	1.63
58802		3.11	13.1	3.73	7.71	0.08	0.08	0.07	0.036	0.17	41.5	26.4	0.73	709	1.39
58803		3.14	8.9	3.51	5.32	<0.05	0.03	0.02	0.025	0.09	19.3	8.4	0.20	589	3.24
58804		4.27	16.8	3.85	5.90	0.06	0.15	0.05	0.038	0.19	39.0	16.4	0.57	625	4.39
58805		2.31	21.0	3.79	4.83	0.05	0.04	0.02	0.036	0.20	20.9	8.9	0.35	769	1.35
58806		3.22	13.7	3.73	7.28	0.05	0.16	0.02	0.034	0.08	19.7	19.9	0.51	597	2.26
58807		3.43	13.0	4.09	7.67	<0.05	0.08	0.04	0.039	0.09	13.4	15.5	0.39	568	1.37
58808		2.72	13.6	3.72	7.78	0.06	0.15	0.05	0.034	0.06	15.5	20.7	0.55	370	1.46
58809		3.88	13.5	3.86	7.20	0.05	0.06	0.03	0.035	0.08	14.9	21.5	0.41	475	3.24
58810		6.58	14.0	3.59	7.50	0.05	0.15	0.02	0.034	0.08	24.0	21.7	0.54	423	1.83
58811		2.25	13.1	3.32	6.96	<0.05	0.17	0.03	0.033	0.06	10.4	20.3	0.48	299	1.44
58812		2.58	19.0	3.61	6.03	0.05	0.14	0.03	0.037	0.06	10.7	19.5	0.54	341	1.49
58813		6.22	13.6	3.60	7.28	0.06	0.05	0.04	0.035	0.09	18.5	20.8	0.45	587	2.06
58814		3.90	16.3	3.38	7.08	0.05	0.07	0.05	0.033	0.07	17.9	13.2	0.43	361	1.50
58815		7.03	16.6	3.42	6.13	0.05	0.12	0.05	0.035	0.09	12.1	15.2	0.53	831	1.63
58816		4.00	11.0	3.70	10.90	0.06	0.03	0.03	0.033	0.08	21.7	22.3	0.49	443	2.51
58817		4.68	10.3	3.65	6.19	0.05	0.08	0.03	0.040	0.12	16.3	17.4	0.33	395	2.64
58818		4.64	19.5	3.53	4.97	0.08	0.10	0.12	0.040	0.18	33.6	13.5	0.35	865	3.08
58819		2.86	11.1	3.63	6.77	<0.05	0.05	0.01	0.035	0.15	14.3	19.7	0.58	452	2.10
58820		11.30	12.0	3.83	6.32	0.07	0.10	0.22	0.038	0.19	21.5	20.5	0.52	750	1.16
58821		4.55	10.9	4.37	11.50	0.10	0.15	0.03	0.046	0.23	11.0	31.5	0.88	541	2.07
58822		3.61	9.1	2.83	4.97	0.12	0.12	0.03	0.031	0.12	22.4	10.4	0.34	540	2.23



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
58783		2.01	12.8	700	17.2	32.2	<0.001	0.02	0.73	5.9	0.4	0.7	33.6	<0.01	0.02
58784		1.70	12.6	790	40.6	26.5	<0.001	0.02	0.95	7.2	0.5	0.6	33.7	<0.01	0.02
58785		1.47	13.1	880	29.6	22.3	0.001	0.06	0.94	6.9	0.9	0.5	65.5	0.01	0.02
58786		2.14	15.3	710	26.1	29.5	<0.001	0.02	0.61	7.3	0.4	0.7	38.8	<0.01	0.02
58787		2.38	14.1	800	17.9	36.2	<0.001	0.02	0.63	8.0	0.5	0.7	37.1	<0.01	0.02
58788		2.47	14.6	880	14.9	30.4	<0.001	0.03	0.58	7.7	0.5	0.7	45.0	<0.01	0.02
58789		2.46	12.1	990	21.2	28.0	<0.001	0.03	0.76	6.6	0.4	0.7	38.5	<0.01	0.02
58790		2.11	27.4	850	10.2	14.8	<0.001	0.04	0.60	6.7	0.6	0.5	48.9	<0.01	0.03
58791		1.99	16.6	900	11.4	24.8	<0.001	0.04	0.63	7.6	0.7	0.6	47.2	<0.01	0.02
58792		2.14	12.9	900	40.4	25.3	<0.001	0.04	0.62	7.3	0.5	0.7	49.8	<0.01	0.02
58793		1.68	18.2	1040	20.5	17.6	0.001	0.06	0.54	6.1	0.7	0.5	61.0	<0.01	0.03
58794		2.07	19.5	780	17.0	23.1	<0.001	0.02	0.53	8.2	0.6	0.7	38.2	<0.01	0.02
58795		1.73	25.3	1130	11.1	12.9	<0.001	0.08	0.76	6.0	1.0	0.5	82.7	0.01	0.03
58796		3.90	17.7	950	9.0	43.8	<0.001	0.02	0.57	10.1	0.6	1.2	38.9	0.01	0.02
58797		1.85	23.3	450	9.7	16.3	<0.001	0.01	0.43	9.3	0.6	0.6	44.6	<0.01	0.02
58798		2.68	15.1	510	18.9	37.4	<0.001	0.01	1.54	7.2	0.3	1.0	28.6	<0.01	0.02
58799		1.24	16.0	510	17.9	26.3	<0.001	0.01	2.10	7.3	0.3	0.7	19.9	<0.01	0.02
58800		1.51	20.1	790	22.7	21.5	<0.001	0.05	2.00	7.3	0.9	0.5	69.1	0.01	0.02
58801		0.97	12.1	640	22.1	22.5	<0.001	0.02	1.39	8.6	0.9	0.4	41.7	0.01	0.03
58802		1.84	12.9	820	11.8	26.5	<0.001	0.01	0.84	8.0	0.6	0.7	36.1	0.01	0.02
58803		0.72	7.5	360	18.6	18.0	<0.001	0.01	1.02	3.9	0.2	0.5	12.5	<0.01	0.05
58804		1.02	14.6	420	14.1	24.5	<0.001	0.01	1.20	9.4	0.4	0.6	20.7	<0.01	0.02
58805		0.92	13.2	440	13.3	17.4	<0.001	0.01	1.30	5.2	0.3	0.4	26.6	<0.01	0.03
58806		0.81	15.3	350	10.9	18.4	<0.001	0.01	0.58	5.8	0.2	0.7	15.9	<0.01	0.02
58807		1.12	19.0	470	14.0	22.7	<0.001	0.01	0.63	5.1	0.3	0.8	12.7	<0.01	0.03
58808		1.32	19.6	400	12.0	14.2	<0.001	0.01	0.66	7.0	0.4	0.7	17.8	0.01	0.03
58809		1.69	19.9	640	19.3	20.4	<0.001	0.01	0.83	5.3	0.3	0.6	12.3	0.01	0.05
58810		1.04	20.4	450	14.7	25.0	<0.001	0.01	0.84	5.7	0.3	0.6	18.6	<0.01	0.02
58811		1.83	22.0	490	10.4	13.9	<0.001	0.01	0.44	4.7	0.3	0.6	15.4	0.01	0.03
58812		1.81	29.3	430	10.9	14.2	<0.001	0.01	0.73	5.4	0.4	0.6	16.4	0.01	0.03
58813		1.26	16.9	710	13.9	23.8	<0.001	0.01	0.90	5.9	0.4	0.7	15.0	<0.01	0.03
58814		1.64	20.2	390	13.3	14.3	<0.001	0.01	0.60	6.1	0.5	0.6	16.3	0.01	0.03
58815		1.16	23.9	580	30.0	16.6	<0.001	0.01	0.95	5.4	0.3	0.5	19.4	<0.01	0.03
58816		1.91	10.7	520	11.4	26.2	<0.001	0.01	0.65	5.7	0.3	0.9	20.4	<0.01	0.05
58817		0.98	11.4	320	20.0	27.5	<0.001	0.01	1.11	4.8	0.2	0.6	15.7	<0.01	0.03
58818		1.06	11.4	380	28.2	23.4	<0.001	0.01	1.60	10.7	0.7	0.6	30.0	0.01	0.04
58819		1.23	13.9	250	11.0	24.3	<0.001	0.01	0.62	4.8	0.2	0.7	21.6	<0.01	0.02
58820		1.36	8.4	820	17.2	31.6	<0.001	0.01	1.49	6.0	0.3	0.7	21.7	<0.01	0.03
58821		3.78	17.6	380	10.3	40.5	<0.001	0.03	0.75	7.4	0.4	1.5	29.1	<0.01	0.03
58822		0.99	13.8	450	12.7	14.4	0.001	0.02	0.85	8.5	0.8	0.5	30.4	0.01	0.02



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
58783		0.093	0.32	2.18	63	0.47	13.25	75	1.7
58784		0.075	0.28	2.79	53	0.28	19.70	104	3.1
58785		0.048	0.20	6.67	52	0.36	38.1	75	1.4
58786		0.114	0.33	2.33	68	0.49	11.40	96	2.4
58787		0.123	0.41	3.27	70	0.54	14.60	89	3.1
58788		0.131	0.32	3.80	71	7.39	13.60	80	2.4
58789		0.127	0.32	2.24	72	0.51	10.95	85	1.9
58790		0.127	0.14	2.66	67	0.56	13.70	76	6.6
58791		0.103	0.23	4.16	68	0.34	15.55	67	1.9
58792		0.110	0.27	3.98	68	0.54	13.90	108	2.3
58793		0.095	0.20	3.10	66	0.42	12.75	69	2.0
58794		0.132	0.22	2.96	73	0.49	15.15	76	3.4
58795		0.091	0.12	4.25	65	0.36	15.00	68	3.2
58796		0.222	0.44	6.52	98	0.32	20.6	89	4.5
58797		0.135	0.10	2.88	71	0.32	19.55	56	5.1
58798		0.147	0.30	1.46	86	0.29	7.37	84	2.6
58799		0.076	0.26	2.06	78	0.83	7.30	88	3.7
58800		0.061	0.13	4.20	55	0.59	43.3	76	1.6
58801		0.028	0.17	6.44	45	0.74	48.5	60	2.3
58802		0.090	0.26	3.24	68	0.94	22.8	75	2.5
58803		0.018	0.19	2.12	57	0.46	4.29	53	1.0
58804		0.069	0.23	3.00	64	0.76	10.20	74	6.0
58805		0.035	0.16	2.97	59	1.42	5.86	70	1.5
58806		0.036	0.18	2.06	67	0.58	6.81	66	6.7
58807		0.037	0.19	1.32	82	0.30	4.40	71	3.3
58808		0.099	0.18	1.28	82	0.34	7.04	55	6.5
58809		0.055	0.18	1.49	70	0.49	5.48	64	2.8
58810		0.038	0.21	1.41	66	0.38	8.74	57	6.3
58811		0.088	0.13	0.61	71	0.30	3.97	55	6.5
58812		0.094	0.14	0.73	70	0.35	4.48	51	6.5
58813		0.053	0.20	1.29	67	0.55	7.99	64	2.1
58814		0.073	0.17	1.32	71	0.39	10.75	52	3.1
58815		0.059	0.19	1.05	65	0.47	8.10	59	5.4
58816		0.062	0.24	1.49	85	1.59	7.58	58	0.9
58817		0.017	0.22	1.95	57	1.16	4.35	57	3.0
58818		0.037	0.18	4.74	56	1.01	38.3	68	3.4
58819		0.055	0.19	1.67	66	0.44	4.30	67	1.9
58820		0.046	0.30	3.55	51	0.51	11.05	75	3.9
58821		0.184	0.35	1.28	94	0.71	5.50	84	5.2
58822		0.043	0.13	3.14	50	0.47	22.9	48	3.7



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.005	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
58823		0.26	<0.005	0.06	1.86	7.9	<0.2	<10	200	0.77	0.18	0.15	0.11	40.1	12.1	25
58824		0.30	<0.005	0.48	1.50	4.5	<0.2	<10	380	1.09	0.92	0.62	0.15	75.0	12.0	14
58825		0.38	<0.005	0.12	2.71	8.1	<0.2	<10	270	0.77	1.91	0.15	0.10	44.1	12.3	19
58826		0.28	<0.005	0.16	2.50	10.9	<0.2	<10	300	0.52	0.76	0.19	0.09	45.9	10.7	15
58827		0.46	<0.005	0.13	1.95	8.9	<0.2	<10	520	0.64	0.57	0.71	0.11	49.5	10.7	26
58828		0.24	<0.005	0.06	2.23	13.5	<0.2	<10	160	0.53	0.57	0.32	0.16	34.1	10.2	24
58829		0.30	<0.005	0.09	2.97	20.4	<0.2	<10	130	0.71	0.52	0.24	0.27	20.9	15.1	28
58830		0.22	0.006	0.06	3.94	17.2	<0.2	<10	180	1.29	0.30	0.18	0.15	32.6	18.6	47
58831		0.26	<0.005	0.15	2.60	9.6	<0.2	<10	90	0.71	0.17	0.35	0.18	21.4	11.0	31
58832		0.28	0.006	0.08	2.49	11.8	<0.2	<10	130	0.56	0.25	0.30	0.16	22.1	12.7	34
58833		0.32	<0.005	0.12	2.10	11.8	<0.2	<10	100	0.53	0.20	0.33	0.23	25.3	12.0	31
58834		0.16	0.006	0.16	1.36	15.2	<0.2	<10	60	0.25	0.30	0.13	0.16	17.15	7.3	25
58835		0.20	0.005	0.12	2.53	14.3	<0.2	<10	120	0.84	0.21	0.38	0.26	36.6	14.2	33
58836		0.22	0.005	0.12	0.90	10.4	<0.2	<10	50	0.15	0.41	0.08	0.12	15.90	4.5	18
58837		0.26	<0.005	0.12	2.54	14.3	<0.2	<10	60	0.56	0.26	0.11	0.15	18.85	8.9	34
58838		0.30	<0.005	0.08	2.37	12.7	<0.2	<10	110	0.86	0.20	0.33	0.14	30.0	12.2	30
58839		0.34	0.006	0.11	2.70	25.0	<0.2	<10	100	0.69	0.20	0.28	0.29	22.8	15.4	35
58840		0.30	0.012	0.23	2.74	46.0	<0.2	<10	100	0.88	0.36	0.21	0.31	25.4	15.2	33
58841		0.18	<0.005	0.44	2.49	11.9	<0.2	<10	190	0.89	0.30	0.36	0.35	34.1	13.1	33
58842		0.38	0.005	0.15	2.60	9.2	<0.2	<10	200	0.86	0.27	0.43	0.10	38.0	12.2	34
58843		0.28	<0.005	0.20	2.66	6.3	<0.2	<10	210	0.67	0.27	0.77	0.17	34.5	11.8	30
58844		0.28	0.006	0.13	2.80	9.8	<0.2	<10	170	0.74	0.25	0.43	0.14	30.7	13.5	32
58845		0.36	<0.005	0.11	3.26	10.2	<0.2	<10	170	0.94	0.27	0.54	0.17	33.0	17.1	27
58846		0.44	0.005	0.10	2.36	14.7	<0.2	<10	180	0.70	0.44	0.39	0.14	33.7	13.7	29
58847		0.26	<0.005	0.15	2.20	15.3	<0.2	<10	120	0.46	0.53	0.25	0.17	20.4	11.2	28
58848		3.62	3.16	0.18	1.72	19.3	<0.2	<10	160	0.57	0.32	0.57	0.34	46.0	10.8	20



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
58823		4.99	12.7	3.38	5.69	0.11	0.07	0.08	0.035	0.09	19.0	10.6	0.34	395	1.04
58824		10.55	12.0	3.70	7.36	0.27	0.27	0.13	0.044	0.25	76.2	16.9	0.53	737	1.97
58825		6.34	16.5	4.20	9.86	0.09	0.12	0.10	0.049	0.22	20.3	23.3	0.55	451	6.58
58826		11.15	12.3	4.28	10.45	0.10	0.09	0.22	0.049	0.20	22.8	31.7	0.52	447	2.42
58827		6.06	26.2	3.27	7.10	0.11	0.15	0.59	0.038	0.14	26.6	16.1	0.55	551	1.36
58828		4.51	24.8	3.18	7.84	0.09	0.06	0.02	0.024	0.13	18.1	16.6	0.56	423	1.13
58829		3.67	14.2	3.46	8.80	0.10	0.07	0.05	0.031	0.09	11.3	24.4	0.62	633	1.15
58830		2.58	22.5	3.78	9.63	0.11	0.25	0.05	0.042	0.07	15.7	21.3	0.65	615	1.28
58831		5.00	15.1	3.05	7.74	0.10	0.06	0.04	0.026	0.06	11.7	19.5	0.55	383	0.80
58832		2.80	14.9	3.21	8.80	0.11	0.06	0.04	0.029	0.06	12.2	19.5	0.58	472	0.99
58833		4.57	15.7	3.08	8.17	0.10	0.05	0.04	0.026	0.07	13.3	17.4	0.57	484	1.15
58834		3.78	15.1	3.22	11.15	0.08	0.04	0.05	0.021	0.05	9.2	8.1	0.31	254	2.14
58835		5.35	16.2	3.33	8.52	0.10	0.06	0.05	0.028	0.06	16.9	21.0	0.57	673	1.05
58836		3.05	11.5	2.06	10.90	0.06	0.04	0.03	0.014	0.03	8.6	3.2	0.13	131	2.00
58837		2.02	15.4	3.60	11.60	0.09	0.03	0.06	0.030	0.04	9.8	15.9	0.28	242	2.41
58838		2.92	18.3	2.84	6.74	0.10	0.10	0.02	0.024	0.06	16.2	15.9	0.59	432	0.90
58839		1.78	18.8	3.16	6.82	0.10	0.07	0.05	0.027	0.07	11.0	16.9	0.62	456	0.80
58840		2.80	19.3	3.15	6.83	0.10	0.08	0.05	0.030	0.07	10.5	16.9	0.62	493	0.88
58841		5.56	21.6	3.10	9.65	0.12	0.04	0.05	0.034	0.08	22.3	19.2	0.54	590	0.94
58842		5.30	15.3	3.17	8.54	0.12	0.06	0.03	0.031	0.07	23.9	25.9	0.67	555	0.63
58843		7.14	11.9	3.01	9.29	0.12	0.04	0.05	0.028	0.11	20.8	25.0	0.78	659	0.58
58844		3.59	14.4	3.35	9.53	0.11	0.06	0.04	0.031	0.10	18.1	23.5	0.67	604	0.81
58845		4.44	13.3	3.92	10.55	0.12	0.08	0.03	0.035	0.16	17.3	35.3	0.81	1010	0.78
58846		3.65	16.0	3.30	8.38	0.12	0.05	0.02	0.024	0.12	19.2	22.2	0.72	672	0.84
58847		3.08	13.6	3.22	9.92	0.10	0.06	0.04	0.024	0.08	11.7	16.9	0.59	480	1.15
58848		3.40	10.5	2.90	6.64	0.13	0.03	0.03	0.023	0.08	26.9	28.1	0.56	665	1.23



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
58823		1.15	19.6	440	14.9	15.5	<0.001	0.02	0.98	5.5	0.4	0.5	13.3	<0.01	0.02	10.2
58824		2.52	10.4	1250	14.4	47.4	0.001	0.03	1.02	13.1	1.8	0.9	35.8	0.02	0.04	22.8
58825		2.15	15.8	470	23.8	37.3	<0.001	0.02	0.75	6.7	0.4	1.0	12.3	<0.01	0.04	12.3
58826		2.08	10.1	570	14.0	39.3	<0.001	0.02	0.53	7.3	0.4	1.2	14.2	<0.01	0.03	11.8
58827		1.99	19.4	730	13.8	22.1	<0.001	0.03	0.80	8.7	0.9	0.8	46.6	0.01	0.03	8.8
58828		2.38	14.6	790	12.4	23.2	<0.001	0.03	0.63	5.0	0.5	0.7	29.9	0.01	0.04	8.1
58829		3.02	23.8	730	14.0	19.4	<0.001	0.04	0.79	4.7	0.7	0.7	21.6	0.01	0.05	8.8
58830		2.39	32.2	650	12.5	16.2	<0.001	0.03	0.69	9.0	0.9	0.7	23.5	0.01	0.05	10.3
58831		2.58	21.0	650	9.2	11.3	<0.001	0.04	0.45	4.6	0.6	0.5	31.5	0.01	0.04	5.2
58832		2.26	23.4	630	11.0	12.7	<0.001	0.03	0.48	4.9	0.6	0.6	25.7	0.01	0.04	4.2
58833		2.28	23.0	610	11.5	12.7	<0.001	0.04	0.50	4.4	0.5	0.6	26.7	0.01	0.03	6.0
58834		2.97	15.6	380	14.6	10.2	<0.001	0.04	0.64	3.3	0.5	0.8	15.5	<0.01	0.05	3.5
58835		2.49	26.4	840	14.0	11.6	<0.001	0.05	0.57	5.0	0.7	0.6	37.4	0.02	0.05	6.1
58836		2.59	10.0	170	12.2	7.3	<0.001	0.02	0.70	2.5	0.3	1.0	13.9	<0.01	0.04	3.0
58837		2.29	19.0	390	13.5	9.0	<0.001	0.05	0.76	3.9	0.6	0.8	14.6	0.02	0.07	2.0
58838		1.75	24.2	870	9.4	9.2	<0.001	0.03	0.81	5.2	0.7	0.5	34.1	0.01	0.03	5.1
58839		1.97	29.6	700	10.6	10.5	0.001	0.04	0.72	5.1	0.6	0.5	23.9	0.01	0.05	3.9
58840		1.87	27.6	490	14.7	10.8	<0.001	0.05	0.86	5.1	0.7	0.5	23.4	0.01	0.05	4.7
58841		2.15	23.8	600	14.0	20.3	<0.001	0.04	0.43	5.5	0.6	0.7	35.2	<0.01	0.04	4.9
58842		2.04	21.9	630	12.7	16.2	<0.001	0.04	0.45	6.6	0.7	0.6	44.5	0.01	0.03	7.4
58843		2.29	19.8	800	10.4	23.2	<0.001	0.04	0.41	5.9	0.6	0.7	77.0	0.01	0.02	6.6
58844		2.63	21.6	520	10.4	18.2	<0.001	0.03	0.50	6.0	0.5	0.7	42.1	0.01	0.03	6.8
58845		4.18	20.2	1190	10.2	30.3	<0.001	0.03	0.66	6.9	0.7	0.8	51.9	0.01	0.03	11.5
58846		2.27	18.6	770	11.2	23.9	<0.001	0.02	0.64	5.7	0.5	0.7	34.8	0.01	0.03	8.9
58847		2.73	17.4	590	12.6	20.8	<0.001	0.02	0.51	4.5	0.4	0.7	24.4	<0.01	0.04	5.9
58848		1.80	14.5	860	9.4	18.2	<0.001	0.05	0.91	4.6	0.9	0.6	47.7	0.01	0.03	7.3



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		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
58823		0.041	0.15	2.32	61	0.53	6.37	59	3.0
58824		0.106	0.55	6.01	57	0.86	62.3	86	6.9
58825		0.051	0.36	2.29	67	0.72	7.70	83	4.8
58826		0.049	0.90	2.06	68	0.37	9.29	77	3.0
58827		0.097	0.71	3.92	60	0.35	19.90	76	6.0
58828		0.131	0.34	3.09	71	0.52	7.53	50	2.2
58829		0.136	0.25	1.75	71	0.35	5.01	68	2.5
58830		0.141	0.26	2.88	79	0.22	7.65	68	11.6
58831		0.124	0.16	1.47	69	0.23	5.04	53	1.8
58832		0.131	0.16	1.42	76	0.38	5.58	60	2.0
58833		0.132	0.15	2.02	78	0.68	5.09	64	1.7
58834		0.153	0.12	0.92	98	0.25	2.77	44	1.7
58835		0.121	0.17	3.01	78	0.32	6.97	62	1.9
58836		0.149	0.13	0.66	98	0.23	2.03	28	1.9
58837		0.108	0.13	0.95	98	0.22	3.52	44	1.3
58838		0.097	0.13	2.26	63	0.18	8.58	54	2.9
58839		0.126	0.12	1.44	71	0.26	6.21	61	2.2
58840		0.109	0.14	2.06	65	0.23	4.80	61	2.6
58841		0.103	0.17	4.17	72	0.39	8.61	65	1.2
58842		0.114	0.18	4.41	73	0.23	14.05	69	1.5
58843		0.136	0.24	2.04	69	0.28	10.25	73	1.1
58844		0.139	0.21	1.67	78	0.31	7.73	65	2.0
58845		0.179	0.30	1.73	84	1.58	10.25	80	2.3
58846		0.153	0.31	3.54	77	0.89	8.55	65	1.7
58847		0.148	0.20	1.72	82	0.48	4.62	58	2.1
58848		0.090	0.21	16.80	59	0.90	11.40	77	0.6



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Method	CERTIFICATE COMMENTS
ALL METHODS ME-MS41	NSS is non-sufficient sample. Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).