YMIP Project 13-073

Target Evaluation – Hard Rock

Final Report

2013 SOIL GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

KING SOLOMON PROPERTY

Owned under Option Agreement by Pacific Ridge Exploration

Claim Sheet No 115O/14 and 15

Latitude 63° 54' 44"' N, Longitude 138° 58' 09" W

Dawson Mining District, Yukon

For Field Work Performed between July 3 and August 18, 2013

Conducted by Ground Truth Exploration Ltd.

Report by

Gerald G. Carlson, Ph.D., P.Eng.

October 1, 2013

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SUMMARY

The King Solomon Project (the "Project") was acquired, under the terms of an option-to-earn agreement, from Shawn Ryan and Wildwood Exploration Inc. dated May 8, 2013 (Crown Jewel, King, Prince and NPrince claims – "King Solomon Property") and a second option agreement from 39242 Yukon Inc. dated June 24, 2013 (Sophie claims – "Sophie Property")(collectively the "Properties"). Pacific Ridge has the right to earn a 100% interest in the Properties by making payments and issuing shares to the vendors and by completing specified values of exploration on the Properties. The Properties include 372 claims, covering an area of approximately 8,000 ha.

The Project is located 24 km southeast of Dawson City and approximately 500 km northwest of Whitehorse, Yukon, in the Dawson Mining District, NTS 115O/15 and centred at UTM 599000E, 7083000N, NAD 83, Zone 7 (Figures 1 & 2). The Project is road accessible at the top of the Hunker Creek road, approximately 44 km from Dawson City. King Solomon Dome, lying within the unglaciated Klondike Plateau, is the highest of the domes in the Klondike Gold District and has often been suggested as a key source area for much of the Klondike gold.

Following the discovery of placer gold in the Klondike in 1896, much effort has been directed toward discovery of the lode gold source. A number of quartz veins with gold mineralization were prospected in the area of the Properties and the Hunker Summit in the early 1900's. During the 1950's through to the 1980's, a number of companies including YCGC, Orekon, Cominco, Dawson Eldorado, Hughes Lang and United Keno Hill Mines carried out exploration programs that included prospecting, geological mapping, geochemical and geophysical surveys and trenching, but no record that drilling was carried out. Much of this work was focused around the Sheba gold occurrence near the Hunker Summit.

Shawn Ryan originally acquired the King Solomon Property in 2004 and has added to the claims in subsequent years. During the period 2006 to 2012, Ryan collected 5,838 soil samples from a number of grids throughout the property. The King Zone soil anomaly was first defined as a significant target by the 2007 exploration program. During the same period, Barramundi Gold carried out localized surface exploration on the Sophie Properties. There has been no recorded drilling on the Properties.

The Project lies entirely within the accreted Yukon-Tanana Terrane (YTT). In the area of the Project, the YTT is dominated by three distinct metamorphic assemblages, including the Late Devonian to Early Mississippian Nasina assemblage (carbonaceous metaclastic rocks), the late Paleozoic Slide Mountain assemblage (greenstone and serpentinite) and the Middle to Late Permian Klondike Schist assemblage. Associated meta-intrusive rocks include quartz-feldspar augen schist and quartz monzonite orthogneiss. Sheet-like bodies of Carboniferous ultramafic rocks occur primarily to the northeast, but are also evident within the Klondike Gold Fields.

The majority of the Klondike Gold Fields, including the area of the Project, is underlain by Klondike Schist, consisting of greenschist facies mafic and felsic metavolcanic rocks, now variably pyritic muscovite and quartz-mica schists and chlorite (+/- actinolite, epidote & Fe carbonate) schist. This assemblage also includes intrusive equivalents of the volcanic rocks and local non-carbonaceous siliciclastic rocks.

Peripheral to the Project, the Klondike Schist is over-thrust by Dawson Ophiolite Assemblage. In some areas an alteration assemblage of carbonate-sericite-pyrite or sericite pyrite altered quartz–muscovite-chlorite schist occurs at the base of the ophiolite thrust sheet. A feldspar ± quartz porphyry dyke is

mapped on the northwestern King claims. A thin slice of transported ophiolite ultramafic rocks, possibly of Carboniferous age, is exposed near the eastern boundary of the Project. A similar unit is mapped on the Project along Gold Bottom Creek. Outcrop is limited on the Project, comprising less than 5%, and is generally confined to rounded ridge tops and road exposures.

Reconnaissance soil sampling by Shawn Ryan has, during the period 2004 to 2012, resulted in the collection of 5,839 samples in several grid areas. This work has focused the current work program on the KSD South Target area, a strong gold soil anomaly that can be divided into four zones, The King Zone, the King Zone SE, the Prince Zone and the North Zone.

The 2013 field program was based on new exploration techniques developed by Shawn Ryan and Ground Truth Exploration for efficient and cost-effective evaluation of gold targets in this challenging, unglaciated environment that is characterized by very little bedrock exposure. The key components of the exploration program include high resolution IP/resistivity surveys followed by deep penetrating, close-spaced soil and rock sampling (Geoprobe). Utilizing this technology, a three-pronged exploration program was completed on the KSD South Zone between July 3 and August 18, 2013, with the objective of defining future drill targets. Total project expenditures amounted to $124,967.

The first phase of this program involved the collection of 481 soil samples, extending the previous KSD South Zone soil grid to the south to cover the northern half of the Sophie claims. The results of this survey were combined with Shawn Ryan's previous soil sampling results to produce a database containing analytical results for 3,191 samples comprising the KSD South Zone grid.

The second phase of the program utilized Ground Truth's detailed, 5 m electrode spacing IP/Resistivity survey. This system has been successfully tested over a number of White Gold District gold zones, including the White Gold and Coffee deposits, and has been shown to provide a good definition of the gold-bearing structures. Test surveys have shown that the system is effective in outlining mineralized structures to depths of up to 100 m. The IP survey included 20 lines, each 420 m in length, that were aligned to cover the strongest gold soil anomalies in the King Zone, King SE Zone and Prince Zone target areas. The survey successfully outlined several structural trends that can be traced from line to line and that generally correlate with the major soil anomaly trends. Typically, these zones have low resistivity and low chargeability, but higher chargeability and high resistivity features are also present. The strongest of these features trends beneath the King Zone soil anomaly but similar IP targets were also noted beneath the King SE and Prince Zones. The IP survey also defined a shallow, south dipping feature in the Prince Zone with a surface trace that appears to correlate with the east-west structure recognized in the aeromagnetic data. This could be an important controlling structure in terms of hosting mineralization, in particular as it appears to be directly associated with the localization of the various components of the KSD South soil anomaly.

The third phase of detailed sampling was carried out by Ground Truth's track mounted Geoprobe hydraulic hammer drill. Geoprobe collects a core or profile of soil and rock fragments from the surface to the bedrock interface, typically at depths of 2 to 3 m. Samples were collected along the same lines as the original soil survey and on the same 5 m spacing as the IP survey. A field based portable XRF analyzer unit was used to provide a first pass estimate of metal content of the rock and soil material from the bottom of the hole. The Geoprobe results confirmed the soil anomaly results, although the Geoprobe anomalies do not appear to be as widely dispersed as the original soil results. This is likely because the Geoprobe cut through the surficial, downslope dispersion patterns that affect regular, shallow soil sampling surveys in this area. These Geoprobe results appear to be more effective in defining specific

areas of anomalous gold +/- silver values for further follow-up. These focused target areas are within the structural trends outlined by the IP survey and, for the most part, coincide with zones of highest alteration intensity as defined by Jean Pautler (this report). These zones include the central King Zone (Au - L10), eastern King Zone (Au - L18), southern King SE Zone (Au+Ag – L17) and eastern King SE Zone (Au – L20).

A follow-up program of focused trenching is recommended for each of the strong gold +/- silver Geoprobe anomalies described above. The trenching, including at least three trenches across each zone, should determine the location of the bedrock source of the gold mineralization, as well as its orientation. In addition, a Geoprobe survey of approximately 800 m (160 samples) should be completed over the Prince Zone.

INTRODUCTION

The King Solomon Project (the "Project") was acquired by way of an option to earn agreement with Shawn Ryan and Wildwood Exploration Inc. dated May 8, 2013 (Crown Jewel, King, Prince and NPrince claims – "King Solomon Property") and a second option agreement with 39242 Yukon Inc. dated June 24, 2013 (Sophie claims – "Sophie Property") (collectively the "Properties"). Pacific Ridge has the right to earn a 100% interest in the Properties by making payments and issuing shares to the vendors and by completing specified values of exploration on the Properties. The combined Properties include 372 claims, covering an area of approximately 8,000 ha.

This report describes an exploration program carried out between July 3 and August 18, 2013 and supported by YMIP project 13-073. The work included preliminary soil sampling, with the collection of 462 samples, over the newly acquired Sophie Property in order to fully define the KSD South Zone soil anomaly that had previously been defined by Shawn Ryan along the southern boundary of the King Solomon Property.

The primary purpose of the 2013 exploration program was to define targets for drill testing. Innovative exploration technologies developed by Ryan's Ground Truth Exploration of Dawson City were utilized provide a more concise, cost-effective and less invasive method of drill targeting. The key components of the program include high resolution IP/resistivity surveys followed by deep penetrating, close-spaced soil and rock sampling (Geoprobe). Twenty IP lines of 420 m length each were surveyed over the most intense portions of the gold soil geochemical anomaly. This was followed by the sampling of 10 Geoprobe lines, each averaging 100 to 150 m in length, with samples collected every 5 m, for a total of 124 Geoprobe sample sites. Total project expenditures amounted to $124,967, as detailed in Appendix I.

The report describes the Project and its geological setting and exploration history, followed by a detailed description of the work carried out. This is followed by an interpretation of the results achieved and a recommendation for further work.

LOCATION, ACCESS AND PHYSIOGRAPHY

The King Solomon Project is located 24 km in a direct line southeast of Dawson City and approximately 500 km northwest of Whitehorse, Yukon, in the Dawson Mining District, NTS 115O/15 and centred at UTM 599000E, 7083000N, NAD 83, Zone 7 (Figures 1 & 2).

Access

The Project is road accessible from Dawson. To reach the Project, travel for 11 km along the paved Klondike Highway to the Hunker Road turn-off and then along the good quality gravel road for 26 km to Hunker Dome, then westerly for an additional 7 km, past the Dominion Creek and Sulphur Creek roads and King Solomon Dome to the northern edge of the King Zone soil anomaly. Dawson City is located approximately 520 km from Whitehorse north and northwest along the Klondike Highway.

The main zones of interest on the Project, the King Zone and the Prince Zone, within the southern extremity of the King Solomon Property, are within 1 km of the Hunker Creek Road, while lower or northern and central parts of the King Solomon Property are accessible from the Hunker Creek road up the Gold Bottom Creek access road. The Sophie Property is accessible from the Hunker, Quartz Creek

and Sulphur Creek roads. The major valleys (Hunker Creek, Quartz Creek, Sulphur Creek) have summer maintained graded roads linking with the Klondike Highway. Access roads to the upper reaches of Gold Bottom, Sulphur and Quartz Creeks are mostly maintained by placer miners, while many ridges are traversed by four wheel drive trails.

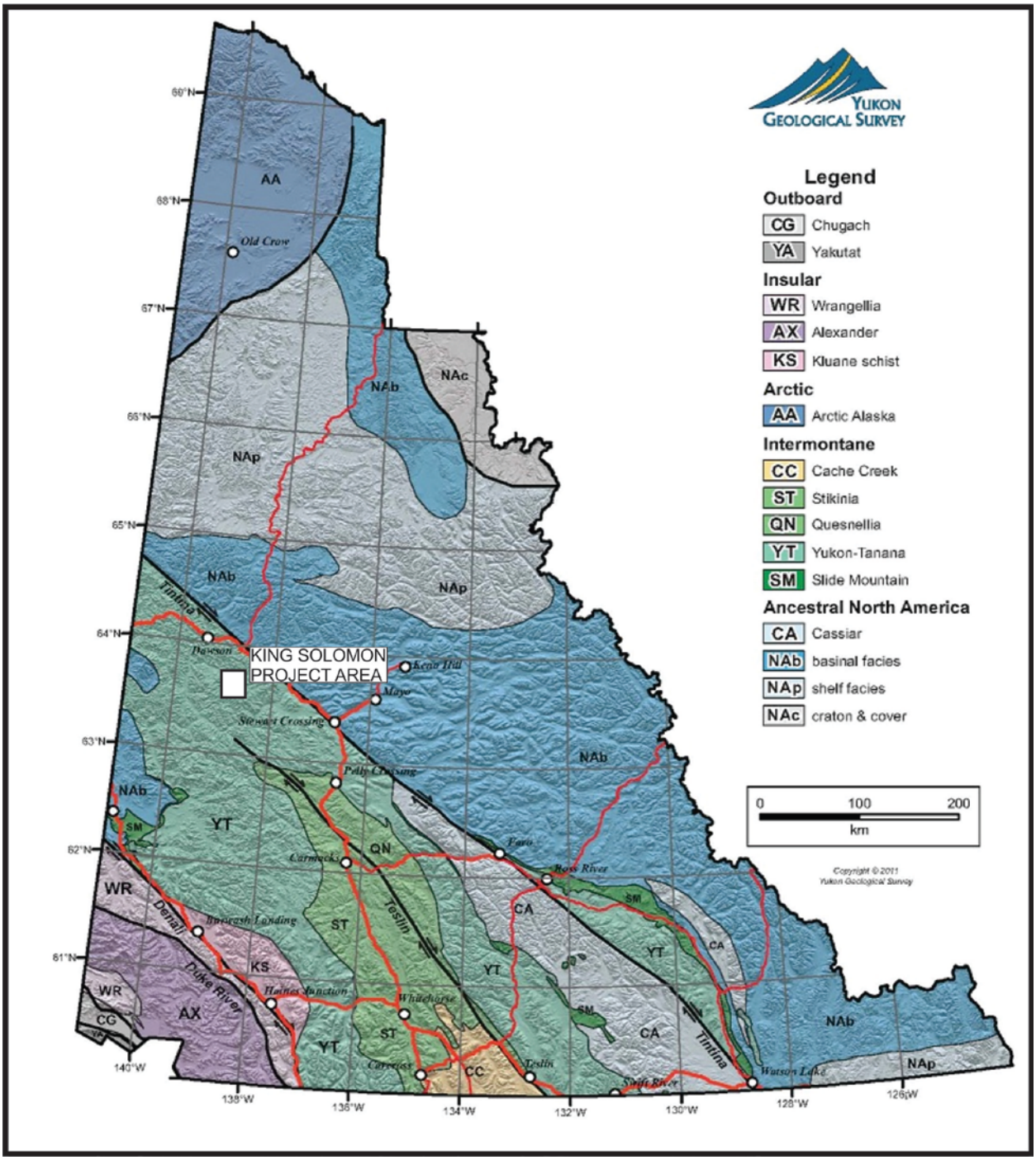

Figure 1. King Solomon Project - Yukon location sketch.

Physiography

The Project lies within the unglaciated Klondike Plateau portion of the Yukon Plateau. The topography is moderate, with low sinuous plateaus cut by narrow valleys and creeks that drain into the broader flat-bottomed valleys of Indian River and Klondike River. These drainages are lined with gravels of past and present placer mining workings. Elevations in the area range from 500 m at the north end of the Project to 1158 m at King Solomon Dome, the highest point in the Klondike region.

The Klondike Gold Fields have been subject to prospecting and placer mining activity since 1986. Most of the area of the Project and environs has been denuded of large timber, used for underground mining or for steam generation or by forest fires. Second growth spruce and poplar trees are found on south-facing slopes while the north-facing slopes are sparsely treed with dwarf spruce. Permafrost is intermittent and is limited to north-facing slopes and valley bottoms.

There is less than 5% outcrop exposed on the Project. In the areas of the current exploration work, on the southwest side of the upper slopes of King Solomon Dome, overburden ranges from 2 to 6 m in depth. Much of the central Yukon is covered by a thin blanket of volcanic ash and tephra that resulted from recent eruptions in Alaska.

The climate is sub-arctic, with relatively low annual precipitation of approximately 30 cm. Freezing temperatures and snow limit the field season from late May to October. Temperatures can drop to -40^{o}C during the winter, while summer daytime temperatures generally range from 10^{o}C to 30^{o}C, averaging 23^{o}C with lows of 8^{o}C in July. Summer rainfall is variable and unpredictable, with thunderstorms often causing significant forest fire during hot, dry summers.

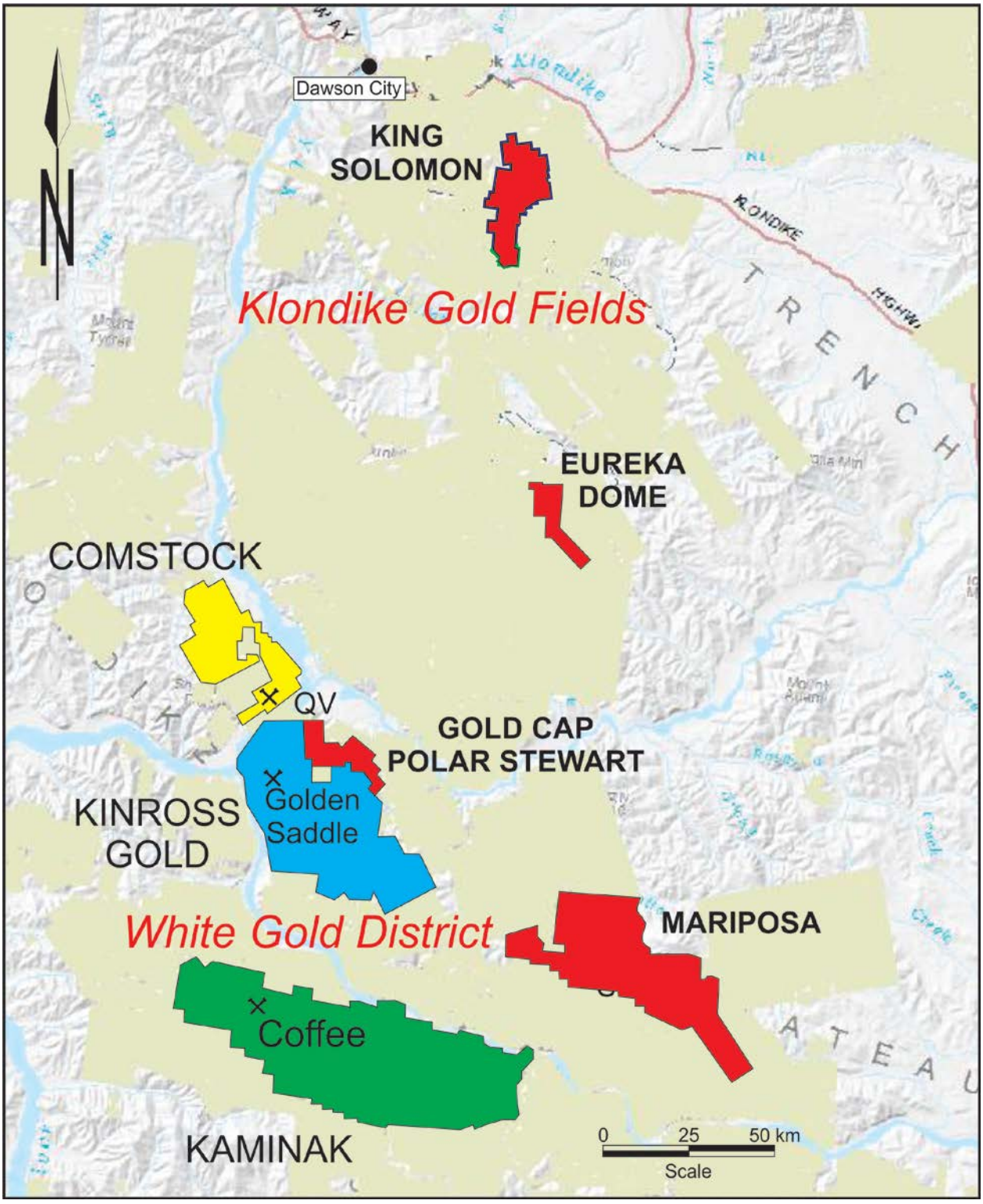

Figure 2. King Solomon Project - Klondike and White Gold Districts.

CLAIM STATUS

The Project consists of 372 claims that were acquired under the provisions of two separate option agreements.

The Crown Jewel, King, Prince and NPrince claims ("King Solomon Property") were optioned from Shawn Ryan and Wildwood Exploration Inc. under an agreement dated May 8, 2013. Under the terms of this agreement, Pacific Ridge has an option to earn a 100% interest in the King Solomon Property, subject to a 2% NSR, by making staged payments totaling $500,000, issuing 1,500,000 shares and completing $2,500,000 in exploration work over four years, along with the right to purchase half of the NSR for $2 million at any time.

The Sophie claims ("Sophie Property") were acquired from 39242 Yukon Inc. under an agreement dated June 24, 2013. Under the terms of this agreement, Pacific Ridge has an option to earn a 100% interest in the Sophie Property, subject to a 2.5% NSR, by making staged payments totaling $100,000 and issuing 1,000,000 shares over four years, along with the right to purchase half of the NSR for $750,000 at any time.

Table I – Claim List

Grant Numbers	Name	Number	Owner	Expiry
YC23516-23531	Crown Jewel	1-16	Shawn Ryan - 100%	23-Feb-2014
YC34425-34442	Crown Jewel	17-34	Shawn Ryan - 100%	23-Feb-2014
YC34643-34650	Crown Jewel	35-42	Shawn Ryan - 100%	23-Feb-2014
YC35000-35057	Crown Jewel	43-100	Shawn Ryan - 100%	23-Feb-2014
YC35674-35705	Crown Jewel	101-132	Shawn Ryan - 100%	23-Feb-2014
YC35706-35709	Crown Jewel	141-144	Shawn Ryan - 100%	23-Feb-2014
YC35710-35731	Crown Jewel	151-172	Shawn Ryan - 100%	23-Feb-2014
YC35756-35763	Crown Jewel	133-140	Shawn Ryan - 100%	23-Feb-2014
YC35764-35769	Crown Jewel	145-150	Shawn Ryan - 100%	23-Feb-2014
YC19934-19945	King	1-12	Shawn Ryan - 100%	23-Feb-2014
YC19954-19965	King	21-32	Shawn Ryan - 100%	23-Feb-2014
YC20693-20702	King	33-42	Shawn Ryan - 100%	23-Feb-2014
YC44350-44357	King	13-20	Shawn Ryan - 100%	23-Feb-2014
YC86597-86600	King	43-46	Shawn Ryan - 100%	23-Feb-2014
YC86748-86755	King	47-54	Shawn Ryan - 100%	23-Feb-2014
YC44334-44349	NPrince	1-16	Shawn Ryan - 100%	23-Feb-2014
YC20647-20692	Prince	1-46	Shawn Ryan - 100%	23-Feb-2014
YC21127-21134	Prince	47-54	Shawn Ryan - 100%	23-Feb-2014
YC34443-34463	Prince	61-81	Shawn Ryan - 100%	23-Feb-2014
YC36113-36123	Prince	82-92	Shawn Ryan - 100%	23-Feb-2014
YC61040-61043	Prince	93-96	Shawn Ryan - 100%	23-Feb-2014
YD11751-11772	Sophie	1-22	39242 Yukon Inc. - 100%	24-Dec-2014
YE65081-65089	Sophie	23-31	39242 Yukon Inc. - 100%	11-Oct-2013
YE79476-79482	Sophie	32-39	39242 Yukon Inc. - 100%	11-Oct-2013
YE79484-79485	Sophie	40-41	39242 Yukon Inc. - 100%	11-Oct-2013

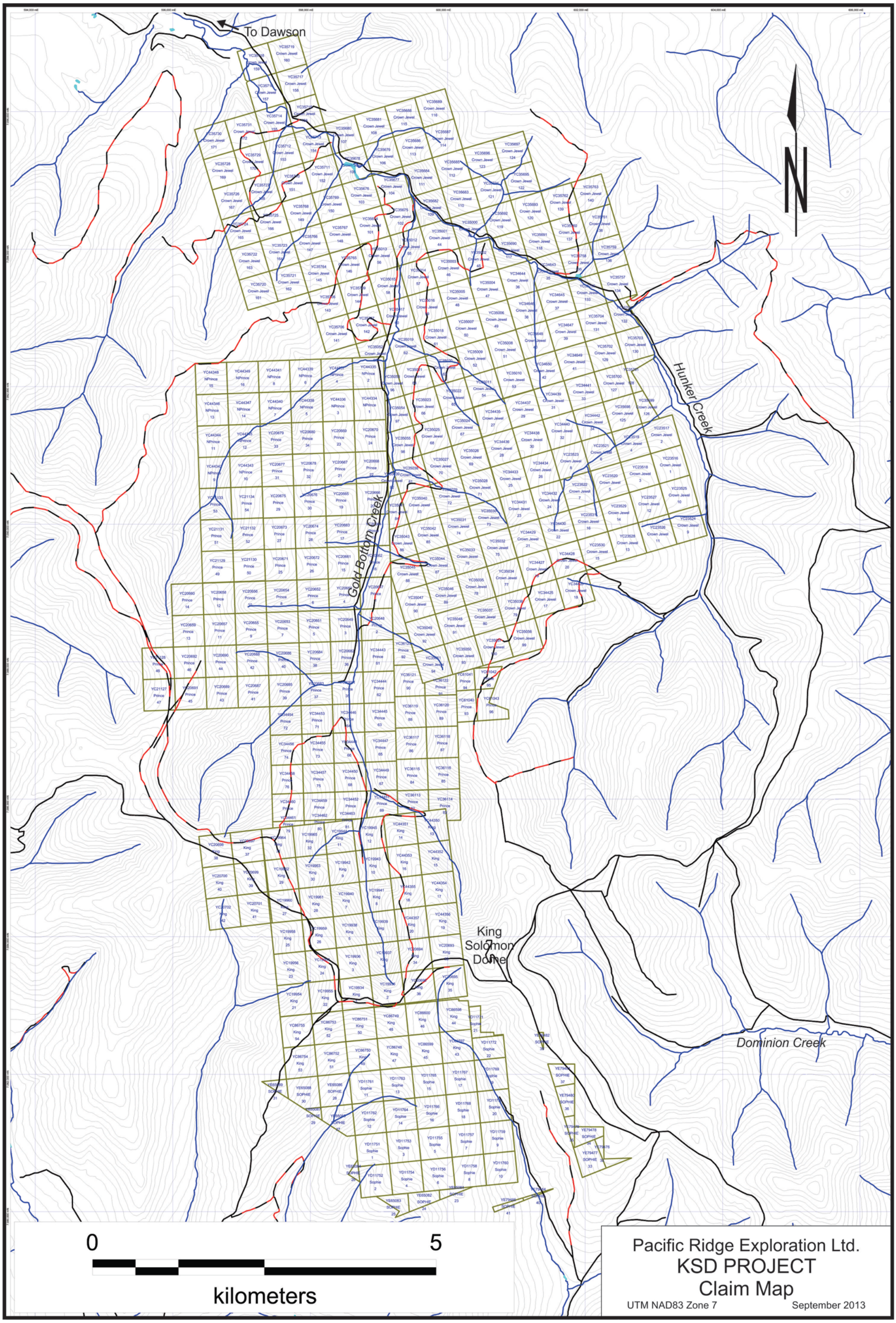

Figure 3. King Solomon Project - Claim map.

The Properties covers an area of approximately 8,000 ha. All claims are un-surveyed, two-post claims staked in accordance with the Yukon Quartz Mining Act. The Project is located in the Dawson Mining District on NTS sheets 115O/14 and 15. Registered owners and expiry dates are shown in Table I.

PROJECT HISTORY

Following the discovery of placer gold in the Klondike in 1896, much effort has been directed towards discovery of the lode gold source. A number of quartz veins with gold mineralization were prospected in the area of KSD and the Hunker Summit in the early 1900's. During the 1950's through to 2000, a number of companies including YCGC, Orekon, Cominco, Dawson Eldorado, Hughes Lang and United Keno Hill Mines carried out exploration programs that included prospecting, geological mapping, geochemical and geophysical surveys and trenching, but no drilling was carried out. Much of this work was focused around the Sheba occurrence (Minfile 115O 068) near the Hunker Summit.

Box Car Showing - Minfile 115O 071

Within the Project, Cu-Pb-Ag-Au mineralization was discovered at the Box Car showing in 1901 and was explored by hand pits, shallow shafts and short declines to 1920. The Box Car consists of malachite, azurite, chalcopyrite and galena in quartz-muscovite schists along a 1.5 m wide shear zone oriented at 155^{o}, dipping 85o SW. Best assays reported from high grade samples include a 0.5 m chip that assayed 1.06 oz/t Ag, 2.32% Cu, 1.78% Pb and 0.3% Zn and a 1.0 m chip that ran 7.92 oz/t Ag, 3.76% Cu, 14.4% Pb and 0.24% Zn (Van Angeren, 1988). In the 1980's and 1990's, surface exploration was carried out at Box Car by a number of companies including Dawson Eldorado, Arbour Resources, Kennecott, Barramundi Gold and Klondike Goldfields.

Bum Showing - Minfile 115O 070

Another base metal occurrence, discovered in 1905, is the Bum copper showing, lower on Gold Bottom Creek. Mineralization includes chalcopyrite, pyrite and bornite with quartz cutting schist. Although initially interpreted as a vein, it has also suggested that it could be VMS style mineralization. It was explored with an 18 m shaft by YCGC in 1952 during which time a select sample assaying 18% Cu and 617 gpt Ag was recovered. Minfile reports assays of 26.9% Cu and 678.8.8 gpt Ag and 17.67% Cu and 699.1 gpt Ag from selected grab samples as reported by Wealth Resources in 1991. Only minor surface programs of the showing have been recorded since that time.

Greenback Showing – Minfile 115O 083

The KSD Target in the southern portion of the Project covers the Greenback Minfile anomaly. Claims were staked in this area as early as 1908 and the original Greenback claims were recorded in 1946, but no exploration details or results are available from this time period. Several old trenches and pits and a cat trail can be seen in the vicinity of the King Zone Target and may be related to this activity. From 1980, Cominco, Dawson Eldorado and Barramundi carried out surface exploration programs, as detailed below.

Shawn Ryan originally acquired the King Solomon Property in 2004 and has added to the claims in subsequent years. During the period 2006 to 2012, Ryan collected 5,838 soil samples from a number of grids throughout the Project (Ryan, pers. comm.; Doherty, 2008; Pautler, 2010). The King Zone soil anomaly was first defined as a significant target by the 2007 exploration program.

The claim outline, the Minfile Occurrences and Ryan's soil grids are shown in Figure 7.

The following information, providing details of the Project history from 1950, is quoted from Pautler (2010):

1952-56 Rehabilitation and sampling of old workings and drilling of 64m in 2 holes in 1952 and 437m in 6 holes in 1956 on the Bum prospect by Yukon Consolidated Gold Corporation Ltd. A selected specimen from the workings reportedly assayed 18% Cu and 617.1 g/t Ag *(Deklerk, 2008)*. No record of results could be located.

1967-68 Extensive bulldozer trenching on Boxcar prospect by V. Scheck and bulldozer trenching and ground sluicing on the Bum prospect by B. Bratsburg *(Deklerk, 2008)*.

1981 Grid soil sampling by Cominco Ltd. outlining low, with scattered high, gold values, a high arsenic horizon within the schist and a copper-lead-zinc anomaly in King area *(Medford and Jackisch, 1981)*.

1983 Mapping and geochemical sampling by Dawson Eldorado Gold Explorations Ltd. on Boxcar prospect *(Mortensen, 1984)*.

1984 A fence of percussion drill holes (457.2m) by United Keno Hill Mines Ltd. and Falconbridge Ltd. on the Bum prospect with no significant gold values intersected in drilling *(INAC, 1987)*.

1988-91 Soil grid and rock geochemical sampling by Arbor Resources Inc. around Boxcar prospect outlining maximum soil values of 198 ppb Au, 14.2 ppm Ag, 400 ppm As and 535 ppm Pb, with trace of Boxcar fault extending 100m north and 1100m south as defined by lead in soil anomalies, and 765 ppb Au in rock from siliceous schist *(Van Angeren, 1988 and Tomlinson, 1991 and 1992)*.

1992 Trenching by Hastings Management Corp. on Boxcar prospect exposing siliceous breccia zone *(Van Angeren, 1993)*.

1994 Soil line by Kennecott Ltd. outlining anomalous lead and zinc in the King area *(Cranswick, and Doyle, 1994)*.

1996-99 Regional silt program in 1996 by Barramundi returned several anomalous gold results in the headwaters of Quartz and Sulphur Creeks with the best at the head of Quartz Creek returning 13 ppb Au *(Stevens, 1997)*. An airborne magnetic-VLF electromagnetic geophysical survey in 1999 delineated an 8 km east-northeast trending lineament, which also transects the gold bearing Sheba and Mitchell quartz veins that may represent a fault associated with gold mineralization *(Sears, 1999)*.

2000 Staked by Shawn Ryan, with additional ground added in 2001, 2004-7 and 2009. Program consisted of 12 silt samples and 62 grid soil samples, with no gold analyzed in the soils, on the King claims *(Ryan, 2001)*. The grid soil geochemistry outlined two anomalies, anomalous zinc, lead and copper values covering a 300m by 500m area (northwestern extension of Cominco's "E" grid) and a lead, zinc, copper and arsenic anomaly (main Cominco anomaly).

2001 Completion of 41.9 line km ground magnetic and 39 line km gradient magnetic surveys by Shawn Ryan on the King claims outlining a magnetic high in the eastern Project area flanked on the west by a subtle magnetic anomaly associated with a lead-zinc-copper soil anomaly, and a magnetic low coincident with a zinc-arsenic soil anomaly in the southern grid area *(Ryan, 2002b)*. A 7.65 line km ground magnetic and gradient magnetic survey was conducted over the Boxcar showing delineating a 300m by 90m east-northeast trending magnetic high anomaly and a 400m by 100m north trending magnetic high anomaly extending from the showing *(Ryan, 2002a)*.

2002 Completion of 31 line km ground magnetic and 30 line km VLF electromagnetic surveys and a 408 sample soil survey by Shawn Ryan on the Prince claims outlining a magnetic high extending 2 km to the northeast of the Boxcar prospect with associated lead-zinc-copper in soil values *(Ryan, 2003)*.

2004-6 Soil programs undertaken with an approximate 500 sample soil survey by Shawn Ryan on the southeast Prince claims outlining spotty gold values to 153.7 ppb Au below a magnetic high suggestive of ultramafic rocks in the southern part of the grid (similar environment to White Gold), and a base metal soil anomaly associated with a moderate magnetic signature suggestive of felsic schists (possible felsic metavolcanic rocks favourable to host volcanogenic massive sulphide type mineralization) *(Ryan, 2006)*.

2007 A program consisting of a 1307 sample soil survey, prospecting, mapping and rock sampling (65 samples) was completed by International Gold Resources Inc. delineating a 1.3 km by 150m gold in soil anomaly on the King claims within an arsenic anomaly with a favourable magnetic signature *(Doherty, 2008)*.

2009-12 International Gold Resources collected an additional 1,286 soil samples and prepared a technical report (Pautler, 2010). An additional 212 soil samples were collected in 2011 and 1,105 samples in 2012, as described more fully in the section "KSD South Target – Recent Exploration", below.

REGIONAL GEOLOGY

The Project is located within the central Dawson Range, southwest-central Yukon, where it forms part of a regionally extensive, northwest-southeast trending polymetallic mineral belt associated with Early Jurassic to latest Cretaceous magmatism.

The regional geology of the area (Figure 4) is summarized here from descriptions by Gordey et. al. (2006), Mortensen (1996; 2013). The Project lies entirely within the Yukon-Tanana Terrane (YTT), an accreted terrane separated from the Selwyn Basin and associated carbonate platforms strata of the ancestral North American margin by the NW-SE trending Tintina Fault. The NW-SE trending Denali or Shakwak Fault, located approximately 190 km to the southwest forms the southwestern boundary of the YTT (Gordey and Makepeace, 1999).

In the area of the Project, the YTT is dominated by three distinct metamorphic assemblages, including the Late Devonian to Early Mississippian Nasina assemblage (carbonaceous metaclastic rocks), the late Paleozoic Slide Mountain assemblage (greenstone and serpentinite) and the Middle to Late Permian Klondike Schist assemblage. Associated meta-intrusive rocks include quartz-feldspar augen schist and quartz monzonite orthogneiss.

The majority of the Klondike Gold Fields, including the area of the Project, is underlain by Klondike Schist, consisting of greenschist facies mafic and felsic metavolcanic rocks, now variably pyritic muscovite and quartz-mica schists and chlorite (+/- actinolite, epidote & Fe carbonate) schist. This assemblage also includes intrusive equivalents of the volcanic rocks and local non-carbonaceous siliciclastic rocks.

Sheet-like bodies of Carboniferous ultramafic rocks occur primarily to the northeast of, but are also evident within the Klondike Gold Fields. South of the Indian River and in the White Gold District narrow bodies of mid to late Paleozoic ultramafic rocks are exposed.

The above lithologies are intruded by small plugs and stocks of Cretaceous aged quartz monzonite and granodiorite and unconformably overlain by massive andesite flows and breccias of the Late Cretaceous Carmacks Group, locally with Early Cretaceous coarse clastic sedimentary rocks at the base of the sequence. Eocene feldspar ±quartz porphyry dykes intrude the above. Minor Quaternary basalt overlies, and related dykes and sills intrude, the above units.

PROJECT GEOLOGY

The Project has not been mapped in detail. The following description is summarized from Doherty (2008) and Pautler (2010). The Project is underlain primarily by Permian aged felsic and mafic metavolcanic and plutonic rocks of the Klondike Schist, the key component of YTT in this area. Outcrop is limited on the Project, comprising less than 5%, and generally confined to rounded ridge tops and road exposures. The source of the placer gold in the Klondike is thought to be derived from mineralization within the Klondike schist.

The Klondike schist consists primarily of chlorite- muscovite-quartz-feldspar schist. Peripheral to the Project, the Klondike Schist is over-thrust by Dawson Ophiolite Assemblage. In some areas an

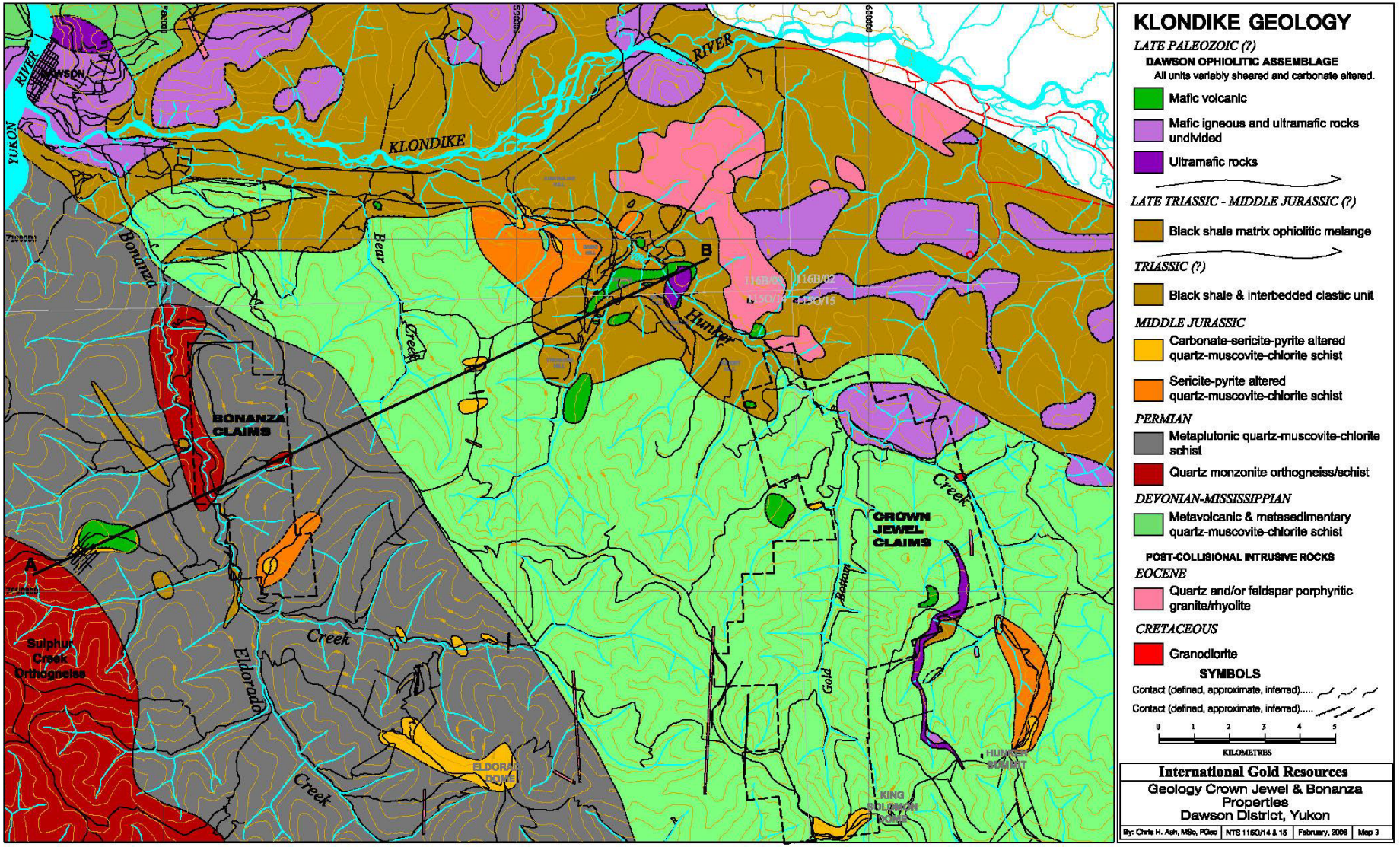

Figure 4. King Solomon Project – Regional geology (from Doherty, 2008)

alteration assemblage of carbonate-sericite-pyrite or sericite pyrite altered quartz–muscovite-chlorite schist occurs at the base of the ophiolite thrust sheet. A feldspar±quartz porphyry dyke is mapped on the northwestern King claims. A thin slice of transported ophiolite ultramafic rocks, possibly of Carboniferous age, is exposed near the eastern boundary of the King Solomon Property *(Doherty, 2008)*. A similar unit is mapped on the Project along Gold Bottom Creek. Alteration, consisting of limonite and sericite-muscovite±carbonate, occurs within the KSD Target area, both within the main King Zone anomaly and within the northern Au-As soil anomaly in the headwaters of Soap Creek, a tributary of Gold Bottom Creek. The Klondike Schist is rusty or limonitic in much of the area underlying the KSD South soil anomalies (Pautler, 2010; this report).

Foliations within the gold anomaly area trend northwest with gentle dips to the southwest. However, within the area of the King Zone, some east-westerly, south dipping foliations have been noted.

STRUCTURAL SETTING

Structural geology has been stressed as important in the localization of gold mineralization in the Klondike and White Gold districts on both a regional and a local scale (Mortensen, 2013). He has identified five separate deformation events, predominantly ductile deformation resulting from Paleozoic to early Mesozoic metamorphism and tectonism.

In order to assist in the interpretation of the geology and mineral potential of the KSD Project and in the selection of targets for further exploration, a linear analysis study was undertaken on both a regional and Project scale for the King Solomon Project.

Figure 5 shows the results of the regional study, where the dashed red lines represent linears identified from topography, mainly linear valleys, and the dark blue dashed line reflect linears identified both from total field and first vertical derivative magnetics. All are from the Yukon Geological Survey MapMaker Online web site. The predominant directions for the linears identified are northwest, northeast and north-northeast.

The key linears are those representing possible structures that could be important in relation to gold mineralization within the main target on the Project, the KSD South Zone, identified by the red oval just to the southwest of King Solomon Dome. The target is located at what appears to be the centre of the spokes of a wheel, the intersection of several converging linear features. In particular, one of these linears, identified both in topography and in magnetics, crosses in an east-northeast direction through the centre of the target zone. This structural direction has been shown to be important in the control of mineralization on both the QV property (Comstock Metals web site) and the Saddle Zone (Weiershäuser et. al., 2010).

Figure 6 shows the KSD South portion of an aeromagnetic survey that was flown over the Project area in 1998 (Sears, 1999). Two cross-cutting linears are clearly shown by the data, with the north-northeastern linear, the same one that was identified in the regional study, above, possibly offsetting the northwesterly linear. This feature was also identified in the 2013 IP survey, as discussed below, which suggests that this is a gently south dipping feature, likely a thrust fault. It is also shown below, in the discussion of Recent Exploration, that these cross-cutting features are important in localizing the soil geochemical anomalies that comprise the KSD South Zone.

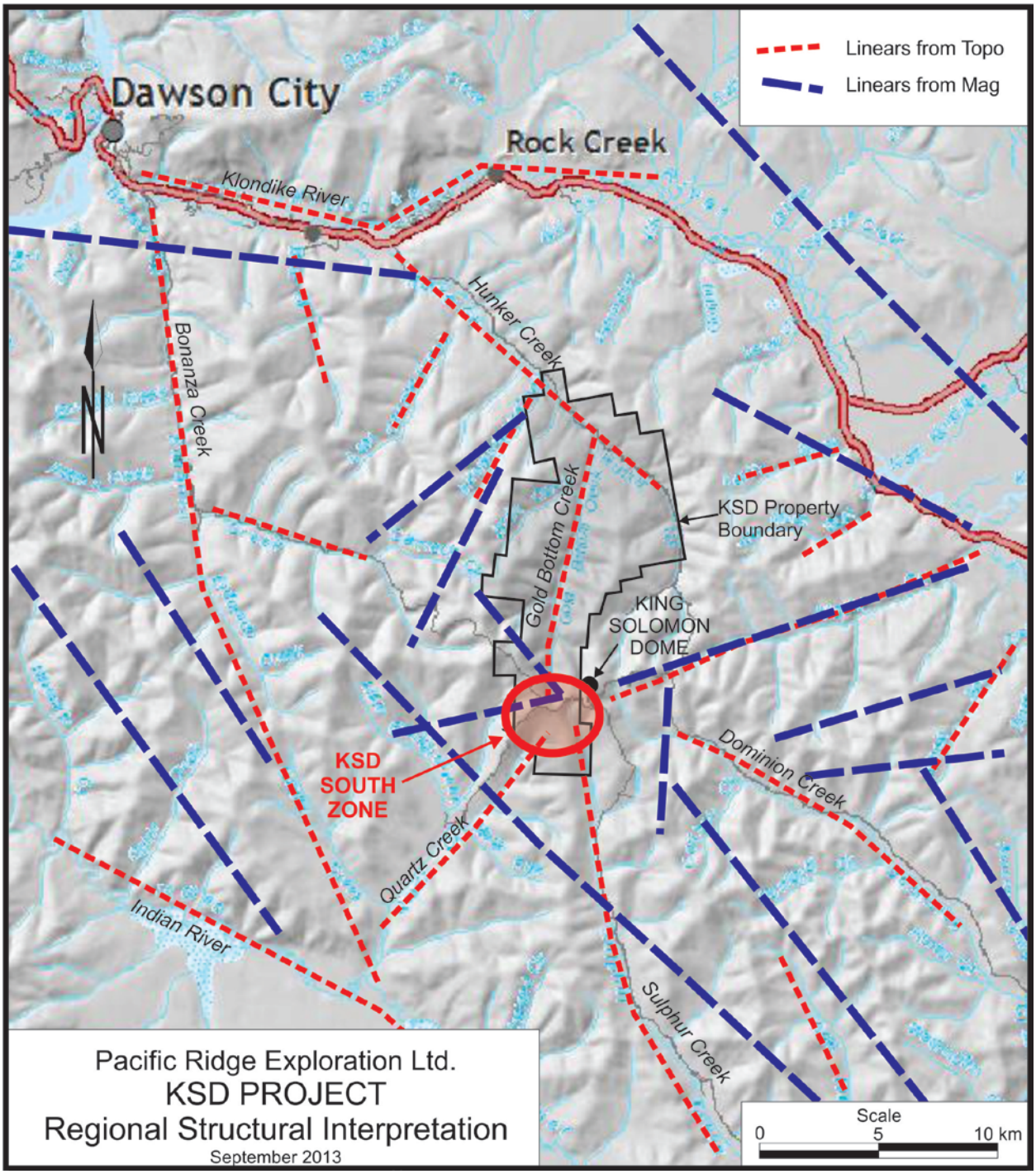

Figure 5. King Solomon Project - Regional linear analysis.

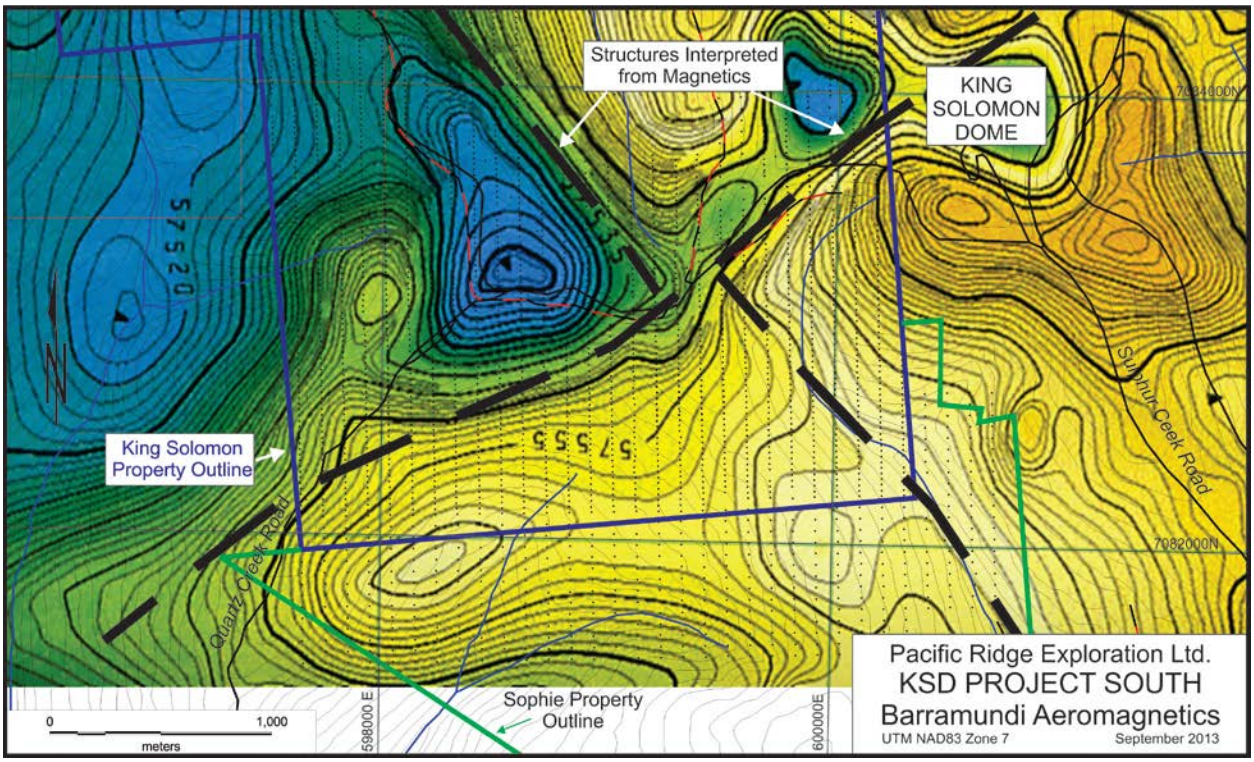

Figure 6. KSD South Zone - Aeromagnetics and linear analysis.

RECENT EXPLORATION – KSD SOUTH TARGET

Reconnaissance soil sampling by Shawn Ryan (Ryan, pers. com.; Doherty, 2008; Pautler, 2010) has, over several years, brought the focus of exploration to the extreme south end of the Project, the KSD South Target. This sampling included spur sampling followed by the sampling of several discrete grid areas, as shown in Figure 7, anomalous gold bubble plot, with a total of 5,839 samples collected during the period 2004 to 2012. This has included the collection of 63 samples in 2004, 1,183 samples in 2005, 694 samples in 2006, 1,296 samples in 2007, 1,286 samples in 2009, 212 samples in 2011 and 1,105 samples in 2012. In June 2013, following the acquisition of the Sophie claims, Pacific Ridge extended the KSD South grid south onto the Sophie Property, collecting an additional 481 soil samples, to bring the total number of samples on the Project to 6,320.

The KSD South Target is a strong gold soil anomaly that can be divided into four zones, The King Zone, the King Zone SE, the Prince Zone and the North Zone (Figures 8 to 13). In these figures, the large dark purple scale represents plus 99th percentile values, the lighter purple circle represents values greater than the 97.5th percentile, the orange circles plus 95th percentile, the small yellow circles plus 70th percentile and small black dots for all the remaining samples. Statistics were calculated on the 3,191 samples included within Shawn Ryan' King Solomon South Zone grid and the Sophie claims grid extension.

Figure 7. King Solomon Project - Soil grids and gold anomalies.

The central King Zone is the largest and the strongest gold anomaly on the Project, showing a weak association with tungsten and a local silver association. While the core of the anomaly, with the tungsten association, is roughly 500 m in diameter, the entire King Zone is linear, northeasterly trending, and extends discontinuously for approximately 2 km. The anomaly is defined by a majority of values over a threshold of 51.9 ppb Au, the 95th percentile for the survey, with several values over 300 ppb. It should be noted that, in geochemical exploration programs undertaken in the unglaciated terrain of the Klondike and White Gold districts, values between 30 ppb (70th percentile for this survey) and 50 ppb are typically used as the anomaly threshold for gold. The maximum gold value in the King Zone, and in the entire survey, is 1.37 gpt Au. The core of the anomaly contains spotty anomalous silver from 1.1 ppm (95th percentile) to +2 ppm and tungsten values from .3 ppm (95th percentile) to 7 ppm. The southwest and northeast tails of the anomaly are defined by discontinuous gold values that are not strongly supported by other indicator elements. The anomaly is parallel to and within the hangingwall of the interpreted northeast-trending thrust fault.

The King SE Zone is a less intense gold anomaly with a strong silver association from below threshold (0.8 ppm) to 3.9 ppm and a moderate bismuth association from below threshold (0.6 ppm) to 5.7 ppm. It lies along the southwestern boundary of the northwest-trending linear that bisects the KSD South Target. It also has a copper association that is much more extensive that the gold-silver anomaly and appears to have a distinct northwesterly trend, perhaps reflecting a stratigraphic source. Interestingly, it has been noted at the Company's Mariposa project that some of the best gold anomalies occur where a gold-bearing structure intersects base metal-rich stratigraphy (Carlson, in preparation).

The Prince Zone lies to the southwest of the King Zone and may be a related extension. It has a silver association ranging from below threshold (0.08 ppm) to 5.1 ppm with gold ranging from below threshold (31.6 ppb) to 531 ppb. This may be a southwesterly extension of the King Zone, but it is slightly offset to the northwest.

The North Zone has only a weak gold association and is primarily an arsenic-silver-bismuth-molybdenum association, lying parallel to and in the footwall of the interpreted thrust fault. Values range from below threshold (132 ppm) to 540 ppm for As, below threshold (0.8 ppm) to 3.1 ppm for Ag, below threshold (0.6 ppm) to 4.8 ppm for Bi and below threshold (2.3 ppm) to 8.2 ppm for Mo. It is an extensive zone, approximately 3 km by 1 km in size, as defined by the arsenic anomaly.

There appears to be an important structural control to the four zones. The King and Prince Zones follow the south side of the northeast structure interpreted from the magnetics. The 2013 IP survey suggests that this is a south-dipping thrust or reverse fault, placing the soil anomalies in the immediate hangingwall. The North Zone trends along the footwall side of this fault, while the Ag, Bi and Mo are more tightly focused within this trend at its intersection with the northwest structure. This same northwest structure is also associated with the King SE Zone, south of the east-west structure.

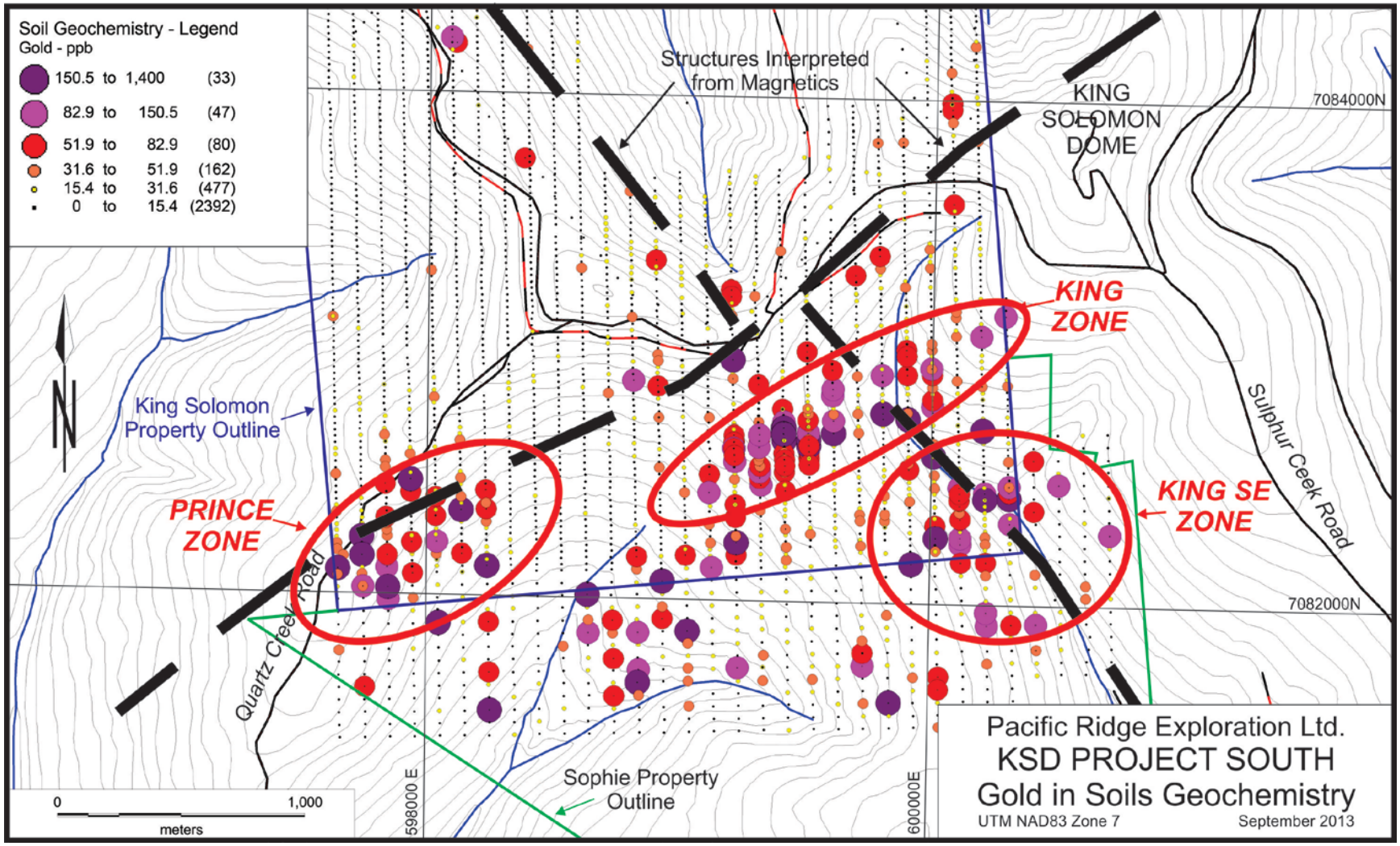

Figure 8. KSD South Zone - Gold soil geochemistry.

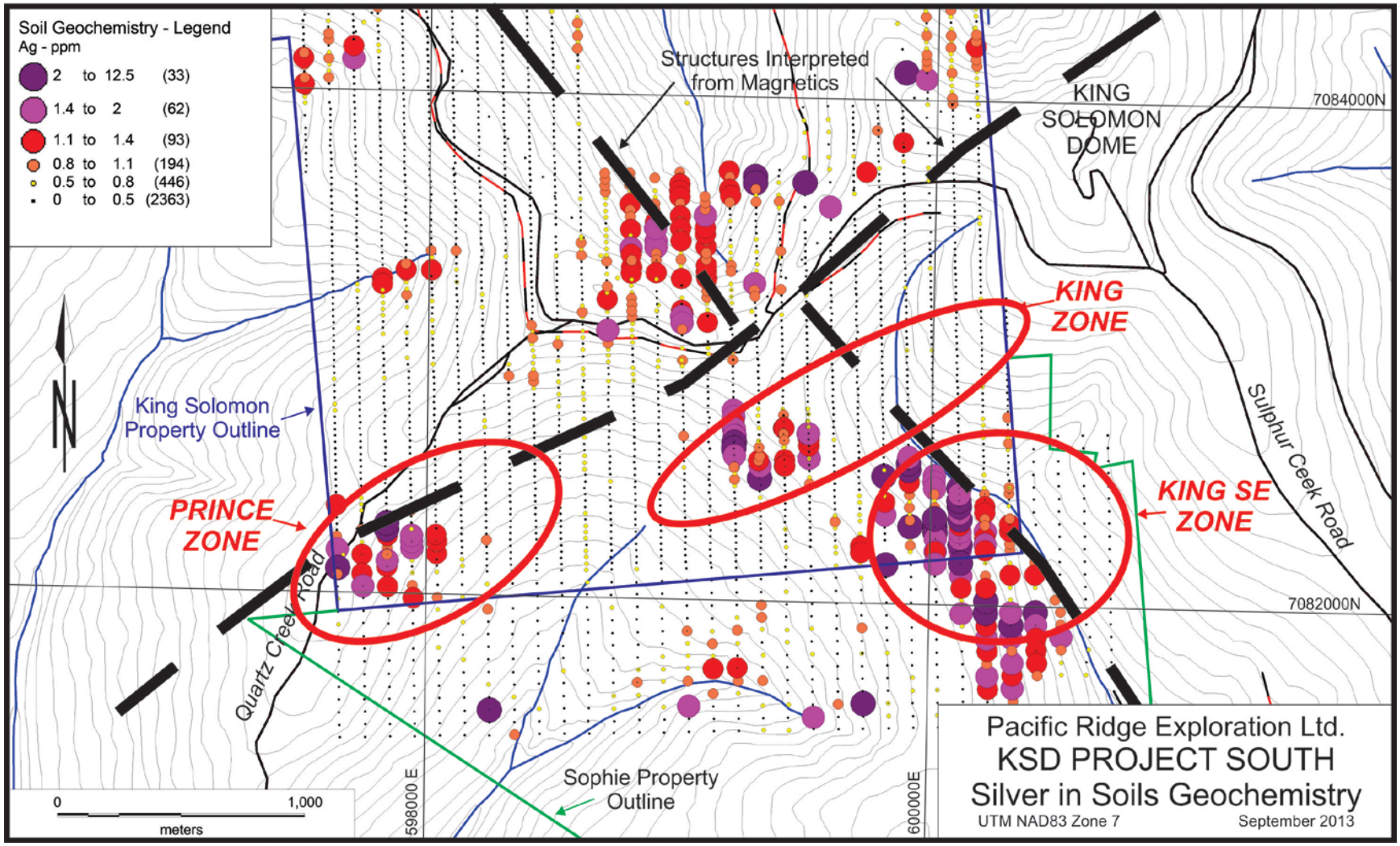

Figure 9. KSD South Zone - Silver soil geochemistry.

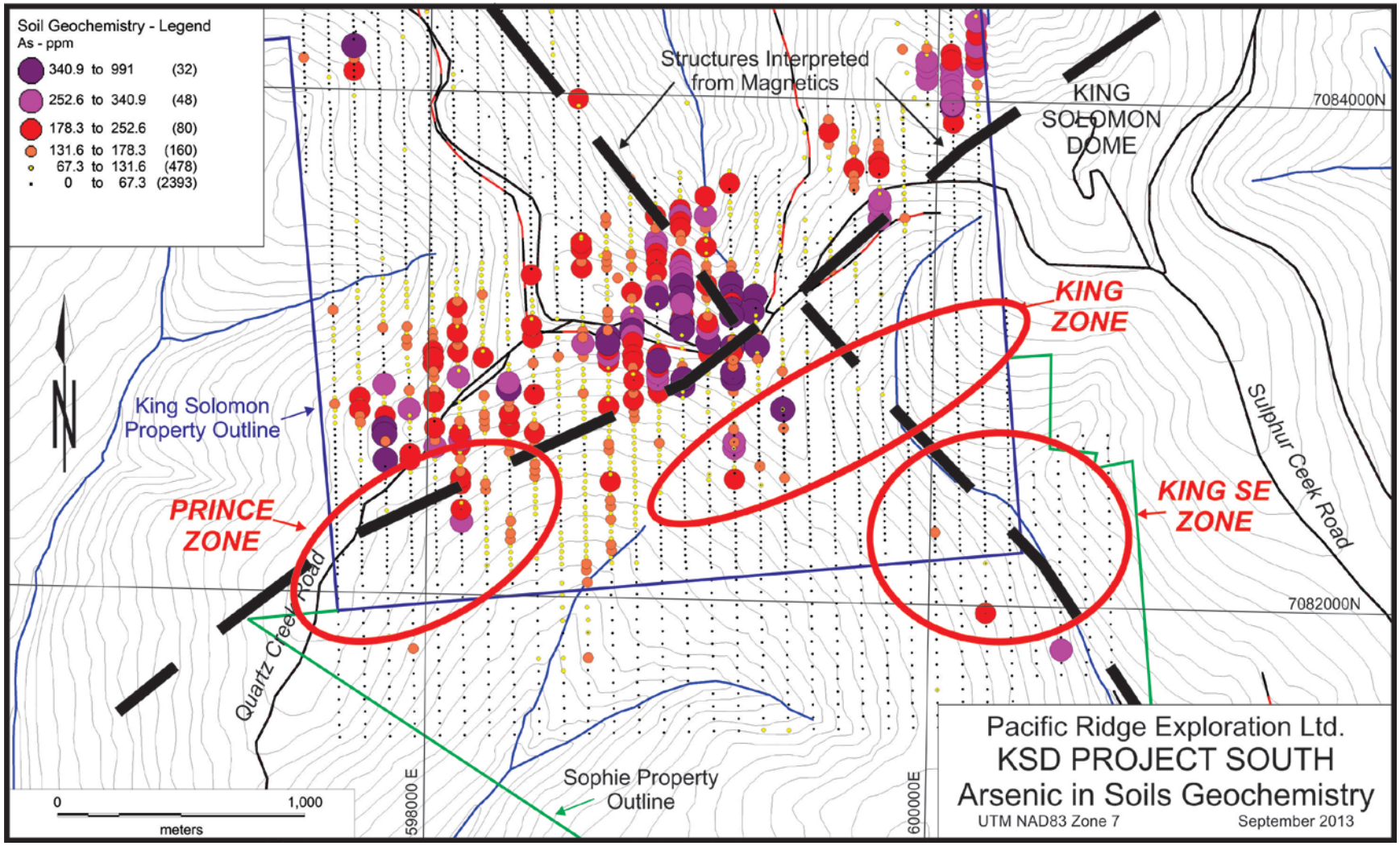

Figure 10. KSD South Zone - Arsenic soil geochemistry.

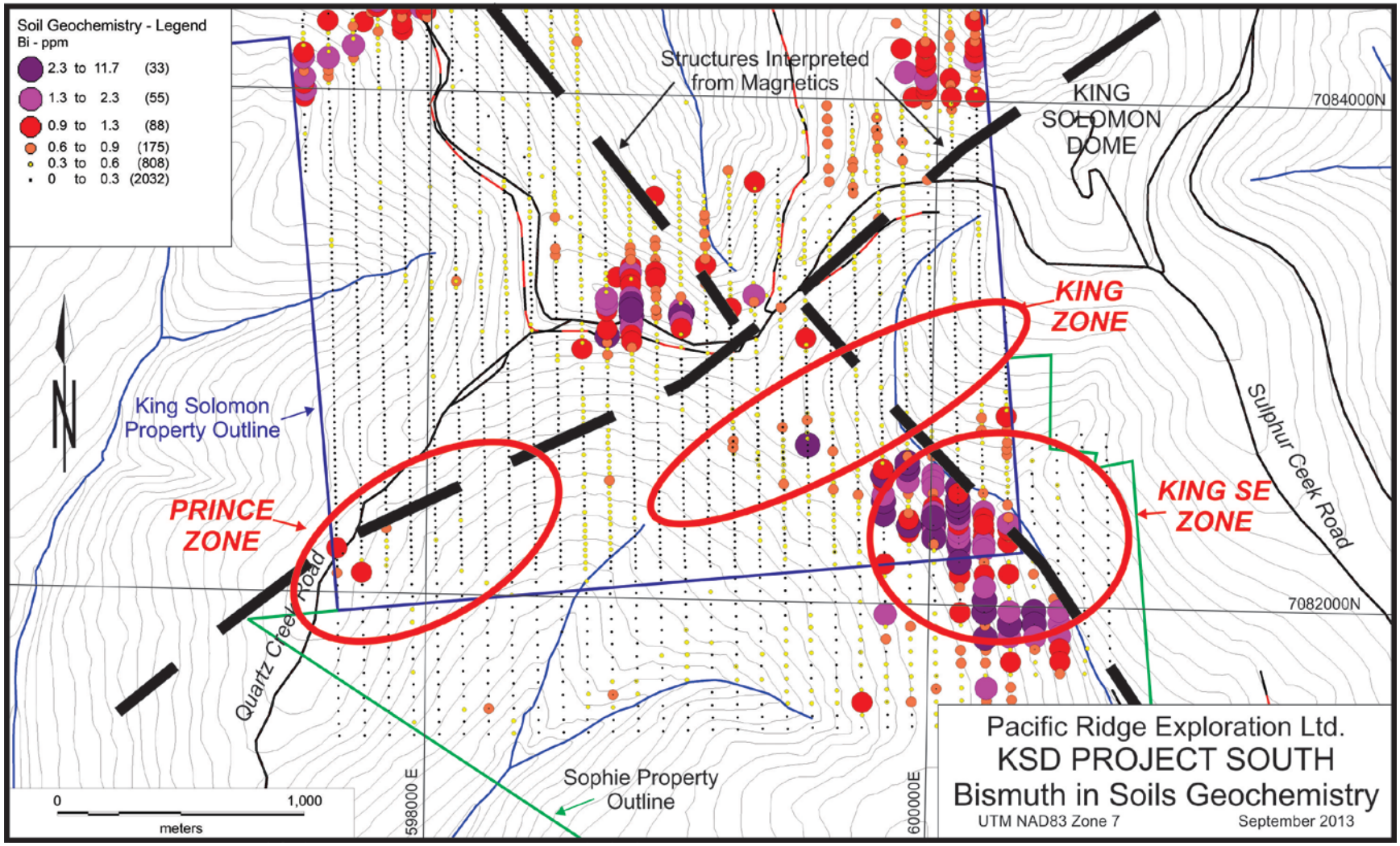

Figure 11. KSD South Zone - Bismuth soil geochemistry.

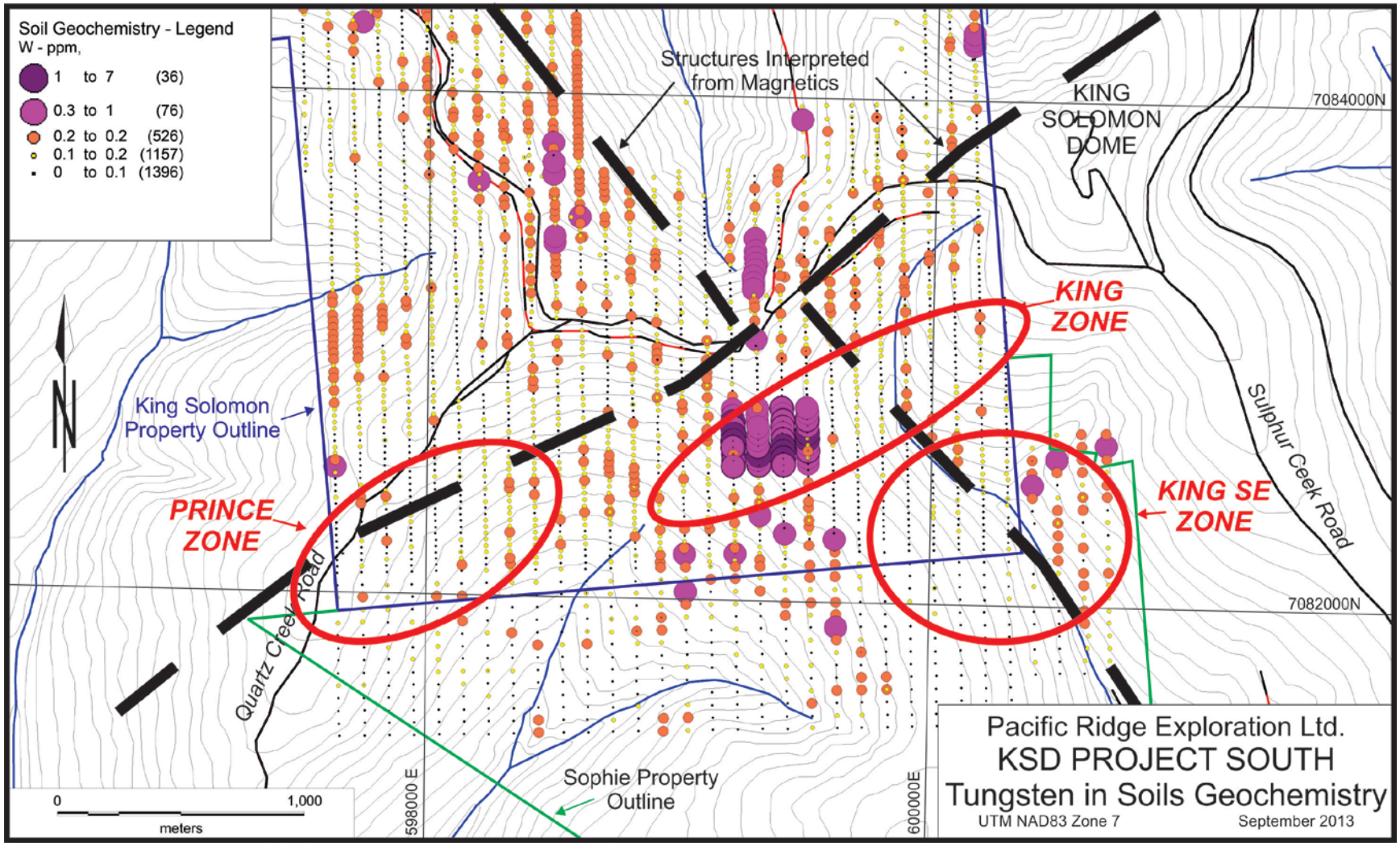

Figure 12. KSD South Zone - Tungsten soil geochemistry.

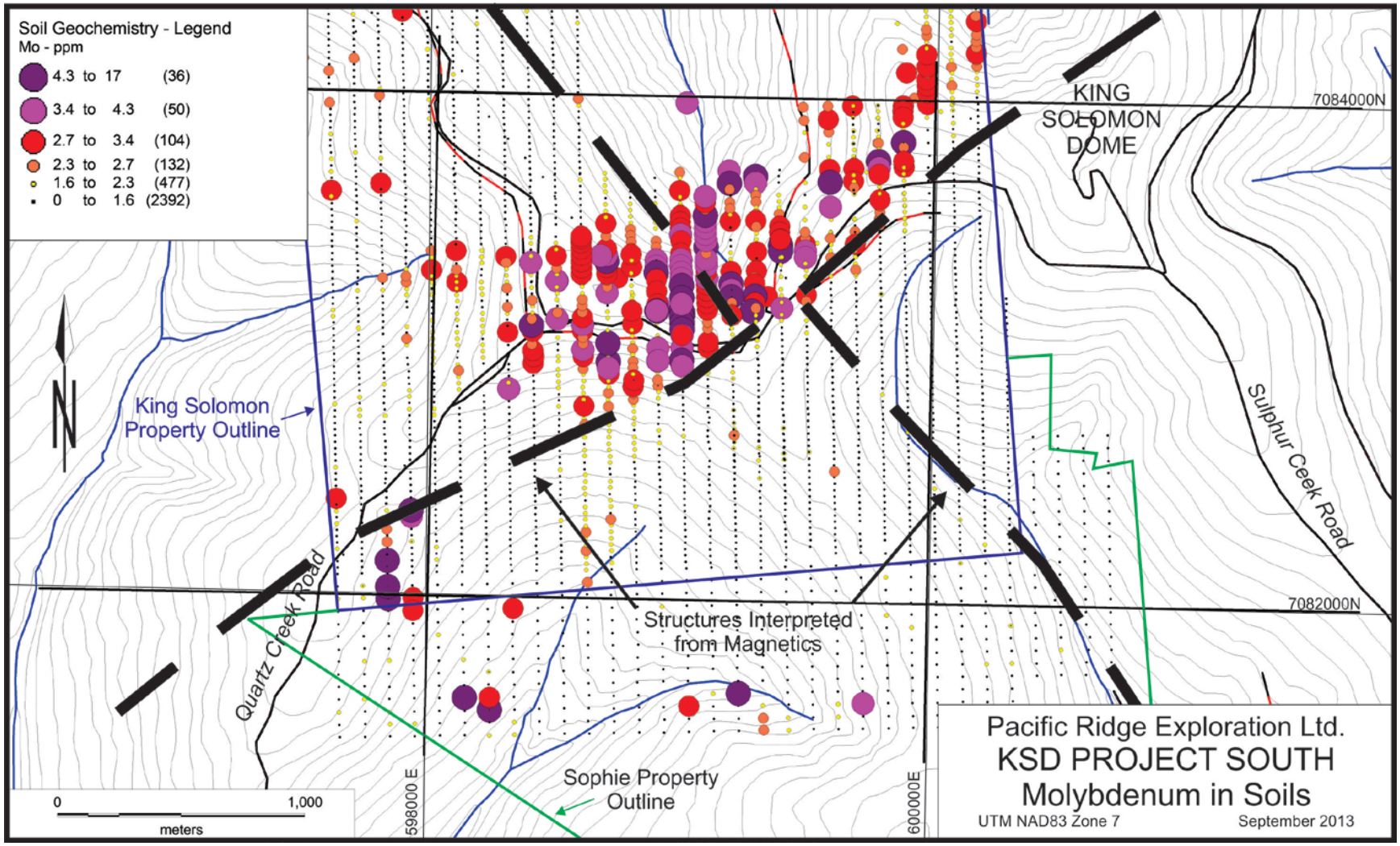

Figure 13. KSD South Zone - Molybdenum soil geochemistry.

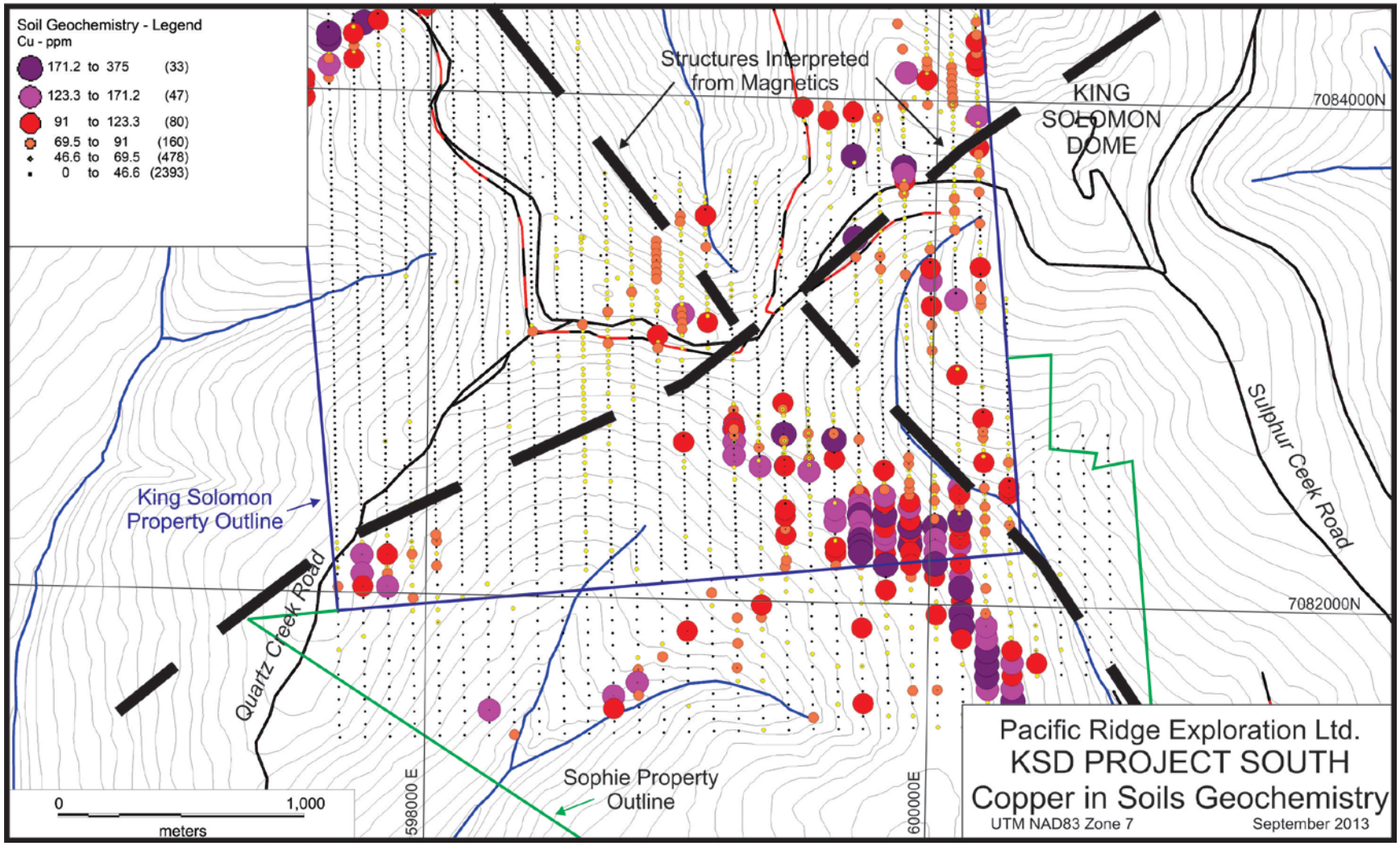

Figure 14. KSD South Zone - Copper soil geochemistry.

2013 EXPLORATION PROGRAM

Gold mineralization in the Klondike and White Gold Districts occurs within geological structures such as veins, breccias and shear zones. Traditionally, soil geochemical surveys, followed by trenching, have been used to define targets for drill testing. Shawn Ryan's Ground Truth Exploration of Dawson City is applying innovative exploration technologies to provide a more concise, cost-effective and less invasive method of drill targeting in this challenging, unglaciated environment that is characterized by very little bedrock exposure. . The key components of the program include high resolution IP/resistivity surveys followed by deep penetrating, close-spaced soil and rock sampling (Geoprobe).

Utilizing this technology, a three-pronged exploration program was completed on the King Solomon Project between July 3 and August 18, 2013, with the objective of defining drill targets. Total project expenditures amounted to $124,967, as detailed in Appendix I.

The first phase of this program involved the collection of 462 soil samples, extending the previous KSD soil grid to the south to cover the northern half of the Sophie claims, as described in the previous section. Samples were collected at 50 m centres on 100 m spaced lines. The results of this survey were combined with Shawn Ryan's previous soil sampling results to produce a database containing analytical results for 3,191 samples comprising the KSD South Zone soil grid (Figures 8 to 13).

The second phase of the program utilized Ground Truth's detailed, 5 m electrode spacing IP/Resistivity survey. This system has been successfully tested over a number of White Gold District gold zones, including the White Gold and Coffee deposits, and has been shown to provide a good definition of the gold-bearing structures (Shawn Ryan, pers. comm.). The features identified include resistive zones, believed to be a reflection of silicification related to the gold mineralization and, in some cases, chargeability that likely reflects disseminated sulphide mineralization occurring with the gold. Test surveys have shown that the system is effective in outlining mineralized structures to depths of up to 100 m. The IP survey lines are typically 420 m in length.

Once potential geological structures have been identified by the IP survey, a third phase of detailed sampling is carried out by Ground Truth's track mounted Geoprobe hydraulic hammer drill. Geoprobe can collect a core or profile of soil and rock fragments from the surface to the bedrock interface, typically at depths of 2 to 3 m. Samples are collected along the same lines as the original soil survey and on the same 5 m spacing as the IP survey. This is a cheaper and more environmentally-friendly method to collect samples from the bedrock interface, compared with traditional trenching methods.

A field based portable XRF analyzer unit was used to provide a first pass estimate of metal content of the rock and soil material from the bottom of the hole, in order to provide real time guidance to the program. The samples are then sent to the lab for accurate geochemical analysis, while selected rock chips are stored for future petrographic examination.

Soil Geochemical Survey

Grid lines from the previous sampling were extended to the south to cover the northern portion of the Sophie claim group. 481 samples were collected at 50 m intervals along 100 m spaced lines. The work was completed by a crew from Ground Truth Exploration of Dawson, Yukon between July 3 and July 5, 2013.

Sampling Protocol and Data Handling Procedures

Field technicians navigate to sample site using handheld GPS units. A C-Horizon sample is collected using an Eijklcamp brand hand auger at a depth of between 20cm and 110cm. Where necessary, in rocky or frozen ground, a mattock is used to obtain the sample. Photos are taken of the sample site 5m from sample hole with auger inserted. Typically 400 to 500 g of soil is placed in a pre-labeled bag. An aluminum metal tag inscribed with the sample identification number is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape. A field duplicate sample is taken once for every 25 samples.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number.

A weather-proof handheld device equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected, including sample identification number, soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information.

Each night in the field, the GPS and Palm PDA devices are downloaded to a laptop computer. The data is verified and mapped on a sampler-by-sampler basis in proprietary database auditing and mapping software. At the end of each day, the crew boss inspects all samples for size and consistency as a quality check. Each sampler then repackages all samples for shipping- barcode scanning them as they are placed into a rice bag which is sealed with a barcoded security zip tie. Samples are shipped from the field to the lab and tracked by the unique ID on each security seal.

A backup of the sample data is made, copied onto a USB memory stick and kept in a separate location from the laptop computer until job completion. Where possible, a backup is also sent via e-mail.

Sophie Soil Geochemical Survey Results

The results of the Sophie sampling described in the section above “Recent Exploration – KSD South Target”. The King Zone target extends to the southwest onto the Sophie claims, but the anomalous gold values are discontinuous (Figure 8). Anomalous gold and silver values within the King SE Zone extend southeasterly onto the Sophie claims (Figures 8 and 9).

IP Survey:

The IP survey commenced on July 25 and was completed on August 9, for 15 days of surveying. The survey involves a 420m array including 85 electrodes utilizing a 5m electrode spacing. The work was carried out by Ground Truth Exploration of Dawson, Yukon.

The lines for IP surveying were selected after a detailed analysis of the results from sampling within the KSD South Zone. The Phase 2 IP program included six lines over the Prince Zone and 14 lines over the King and King SE zones (see Figure 14). Lines were laid out in a north-south direction, along the previous soil lines and approximately perpendicular to the interpreted structural orientation. The objective of this survey was to detect the presence of structures or stratigraphic horizons with specific geophysical signatures that might be related to the overlying soil geochemical anomalies.

IP Survey Procedures

Equipment for the survey included an Advanced Geosciences Supersting R8 IP system powered by a 12V DC regulated power supply. The survey was completed using both Dipole-Dipole and Inverse Shlumberger arrays. The command files for these arrays are included in the final data output. The Dipole-Dipole array is set up to delineate vertical structures within the geology and the Inverse Shlumberger is set up to delineate more horizontal structures. Resistivity and induced polarization measurements are taken at every reading to give comparable data. All traverses are surveyed with the ProMark3 differential GPS units to obtain accurate horizontal and vertical position. A summary memo describing the survey is included as Appendix 5 to this report.

IP Survey Results

The results of the IP survey are shown as a series of stacked profiles in Figures 15 through 17. These are inversion modeled sections that extend to depths of from 75 to 100 m. The approximate locations of the gold soil anomalies are shown along the top of each profile as a purple line, while gold detected by XRF from a rock chip from the subsequent Geoprobe sampling is marked with “Au”. (Note – This is a guide only and is not to be relied upon as it is very difficult to detect gold with a field portable XRF unit.) Interpreted structures have been drawn on these sections with dashed black lines. These have been drawn based on contrasts within the geophysical data and may be defined by high or low chargeability and high or low resistivity. A number of the mineralized structures from other properties in the district where this IP system has been tested are associated with zones of low resistivity (S. Ryan, pers. comm.).

King Zone

There is a fairly consistent structural corridor identified on the King Zone profiles that trends just north of easterly (Figure 15) and that is associated with the main King Zone soil anomaly. This structure is vertical to steeply north dipping and is typically defined by low chargeability, bounded by high chargeability and mainly low resistivity. The width of this geophysical feature ranges from 20 m to over 50 m, although it is uncertain if this is the true thickness of the causative feature. The highest gold in soil value in the Project, 1,377 ppb Au, was sampled directly above this structure on L13 and another very high gold value, 583.8 ppb Au, was sampled over this structure on L10. Two gold “hits” were obtained from the field XRF unit from Geoprobe rock chips collected above the structure on L13 as well, but these results were not confirmed by chemical analysis.

Given the geophysical signature, this could be a fault or shear zone with pyritic wall-rocks. The low resistivity suggests that it is not strongly silicified. However, the association with the gold soil anomaly suggests that it is host to anomalous gold values. As has been previously noted, this structural orientation is associated with gold mineralization at the Golden Saddle and QV deposits.

A number of other features have been identified on the sections, many of which can be correlated from one section to the next. Since the surface geology is so poorly exposed, it is impossible to interpret these features with any degree of confidence. However, some could be fault zones and some could be related to cross-cutting dikes.

King SE Zone

The IP sections in the King SE Zone are complex and not readily interpreted. It is possible that the main gold-bearing structure in this area is northwest-trending, oblique to the lines and following the creek that is a tributary to Sulphur Creek. The strongest gold values in this zone, 720.9 ppb Au on L20 and 429.6 ppb Au on L19, are both close to the creek and appear to be associated with a zone of low resistivity that may have a fairly shallow dip. The chargeability and resistivity sections in this area suggest the presence of steeply dipping structures as well.

The weaker gold anomaly on the north-facing slope in the southern part of the grid, with the Ag and Au "hits" from the field XRF, are associated with a less well defined structure that features both high and low chargeability and resistivity an appears to have a step northerly dip.

Prince Zone

The Prince Zone IP is the most interesting in terms of geological interpretation. The key feature is a gently south-dipping structure, interpreted here as a reverse fault or possibly a thrust fault, that can be traced across all six sections. Coincidentally, the surface trace of this structure matches the major east-northeast structure noted on the aeromagnetics (Figure 6), that appears to have a significant control on the distribution of the soil geochemical anomalies that make up the KSD South Zone. On most sections, the hangingwall generally has lower chargeability and higher resistivity than the footwall.

The rest of the sections are dominated by steeper structures, from steep south dipping through vertical to moderately north dipping for the most part. It is difficult to extrapolate any one pattern from section to section or to find a consistent correlation between any of these interpreted structural features and the anomalous soil geochemistry.

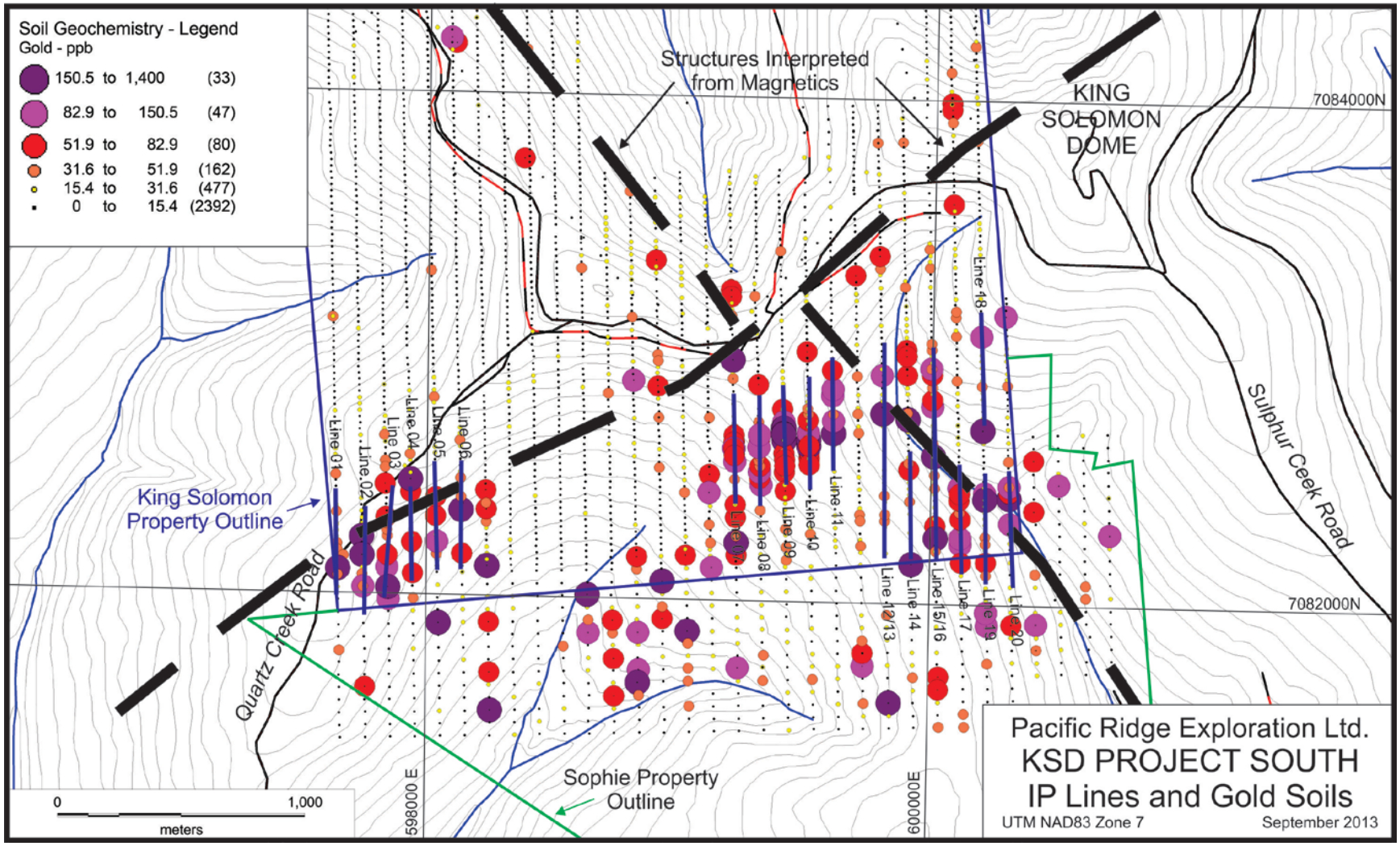

Figure 15. Location of detailed IP Resistivity lines.

Figure 16. Stacked modeled inversions for chargeability and resistivity for the King Zone, looking west.

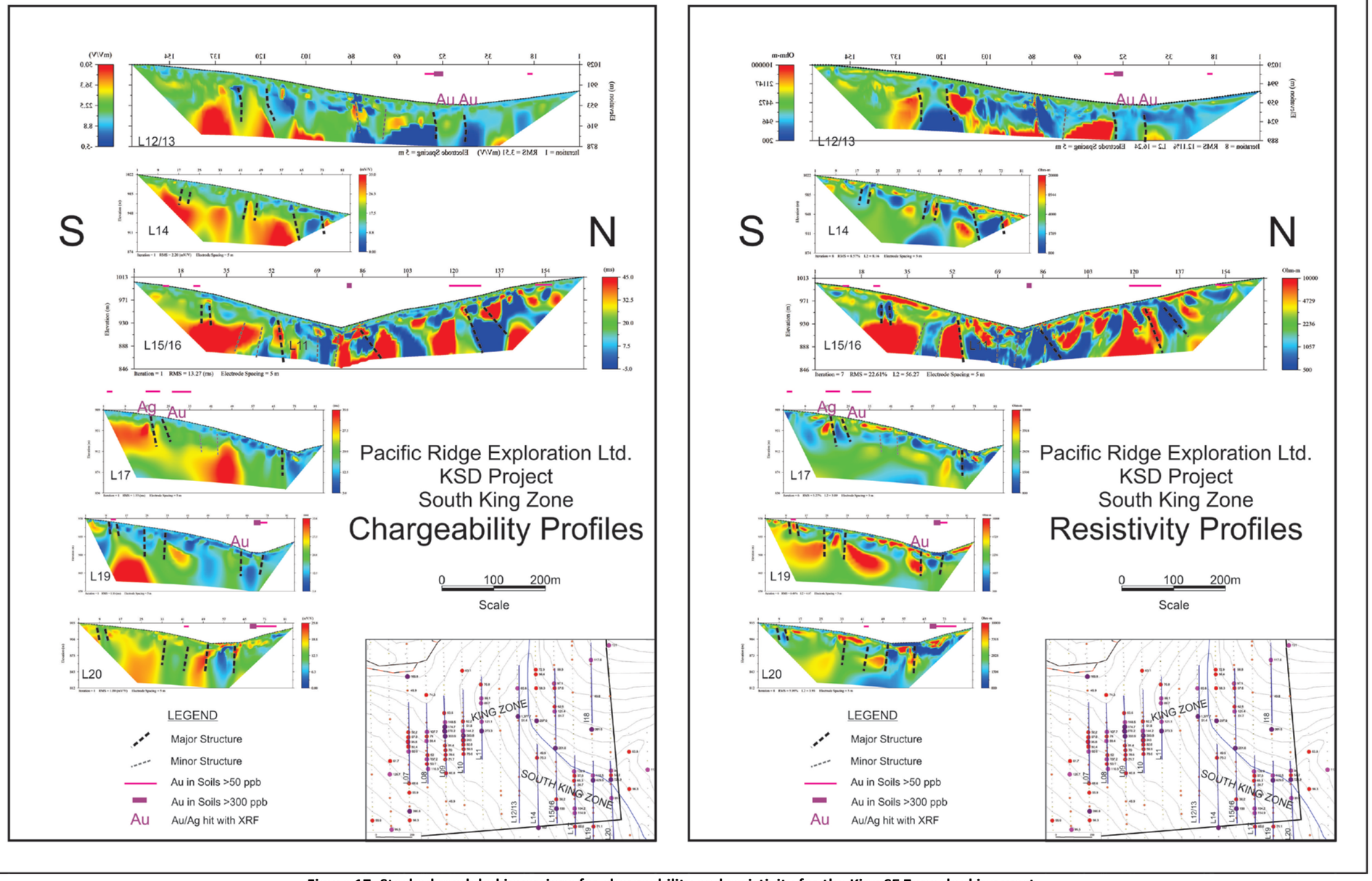

Figure 17. Stacked modeled inversions for chargeability and resistivity for the King SE Zone, looking west.

Figure 18. Stacked modeled inversions for chargeability and resistivity for the Prince Zone, looking west. (See Figure 14 for line locations.)

Geoprobe Soil Drill:

The modeled 2-D inversions from the IP/Resistivity survey were used in combination with the soil geochemical results to define a 100 m to 150 m portion of the geophysical line for detailed Geoprobe sampling. Geoprobe utilizes a hammer driven "direct push" drill that produces a core through the soil profile. Soil and rock samples were collected from just above the soil-bedrock interface for XRF analysis, multi-element geochemical analysis and petrographic examination.

The Geoprobe survey commenced on August 5 and was completed on August 18. A total of 224 sites were sampled along 10 lines over the King Zone and the King SE Zone (see Figures 18 to 24). Samples were collected every 5 m along 100 m to 150 m segments of the IP lines, using the same stations as were occupied by the IP electrodes. The lines were selected to focus on those areas where the IP suggested the presence of structures or favourable stratigraphy, combined with anomalous overlying soil geochemistry.

Geoprobe Survey Procedures

The work was carried out by Ground Truth Exploration of Dawson. The Geoprobe is a remotely controlled track platform with hydraulically operated bedrock interface hammer drill sampler on tilting mast. The Geo Probe, weighing 2,450 lb., has 1650 sq. inches of track coverage with less than 1.0 psi ground pressure. The unit is powered by a gasoline engine and is hydraulically operated.

Samples are collected from at and just above the bedrock interface, typically at depths of 2 to 3 m (maximum 4.5 m) from the hollow, 1.5" inside diameter, 3' long core tube. The sample is sorted into a -80 mesh fraction (soil), middling fraction of -4 mesh and a coarse fraction of +4 mesh (rock). Both the soil and rock fractions are analyzed with an Innovex DELTA portable XRF. The sample is photographed, notes on the site and sample taken and location recorded by differential GPS. The soil sample is stored and the rock sample is shipped to Acme Analytical for analysis, with a small portion of the rock sample retained for future petrographic examination. The detailed Geoprobe procedure is included in this report as Appendix 6.

Sample Analysis

The Geoprobe rock samples were placed in rice bags in the field by Ground Truth personnel and secured. One standard or one blank, alternating, was inserted in every 25 samples. The samples were sent to Acme Labs in Vancouver. All samples were analyzed by Acme for using Acme's Group 1DX1, 0.5g analysis, a 36 element ICP package which involves an aqua regia digestion with a mass spectrometer finish. Gold in rock samples was analyzed by Acme's G601, 30g analysis, which involves a fire assay, with an AA finish. Laboratory sample preparation and analysis procedures are outlined in Appendix III. Acme is an IS0 9001:2008 accredited facility, certificate number FM 63007.

Quality control procedures were implemented at the laboratory, involving the regular insertion of blanks and standards and repeat analyses on the samples, with re-analyses being performed for one sample in each batch on the original sample prior to splitting.

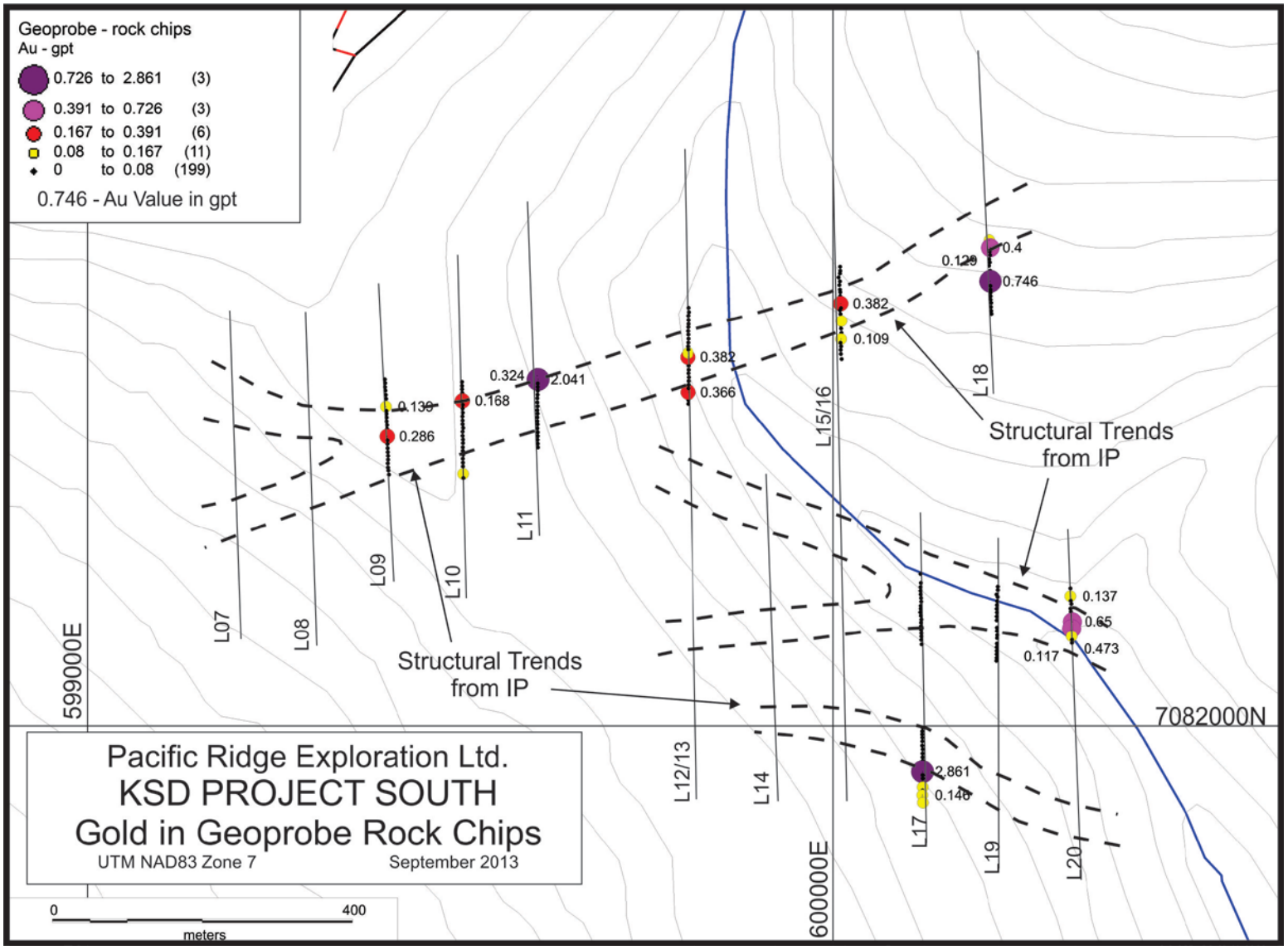

Figure 19. Gold geochemistry from Geoprobe rock chips, bottom of hole.

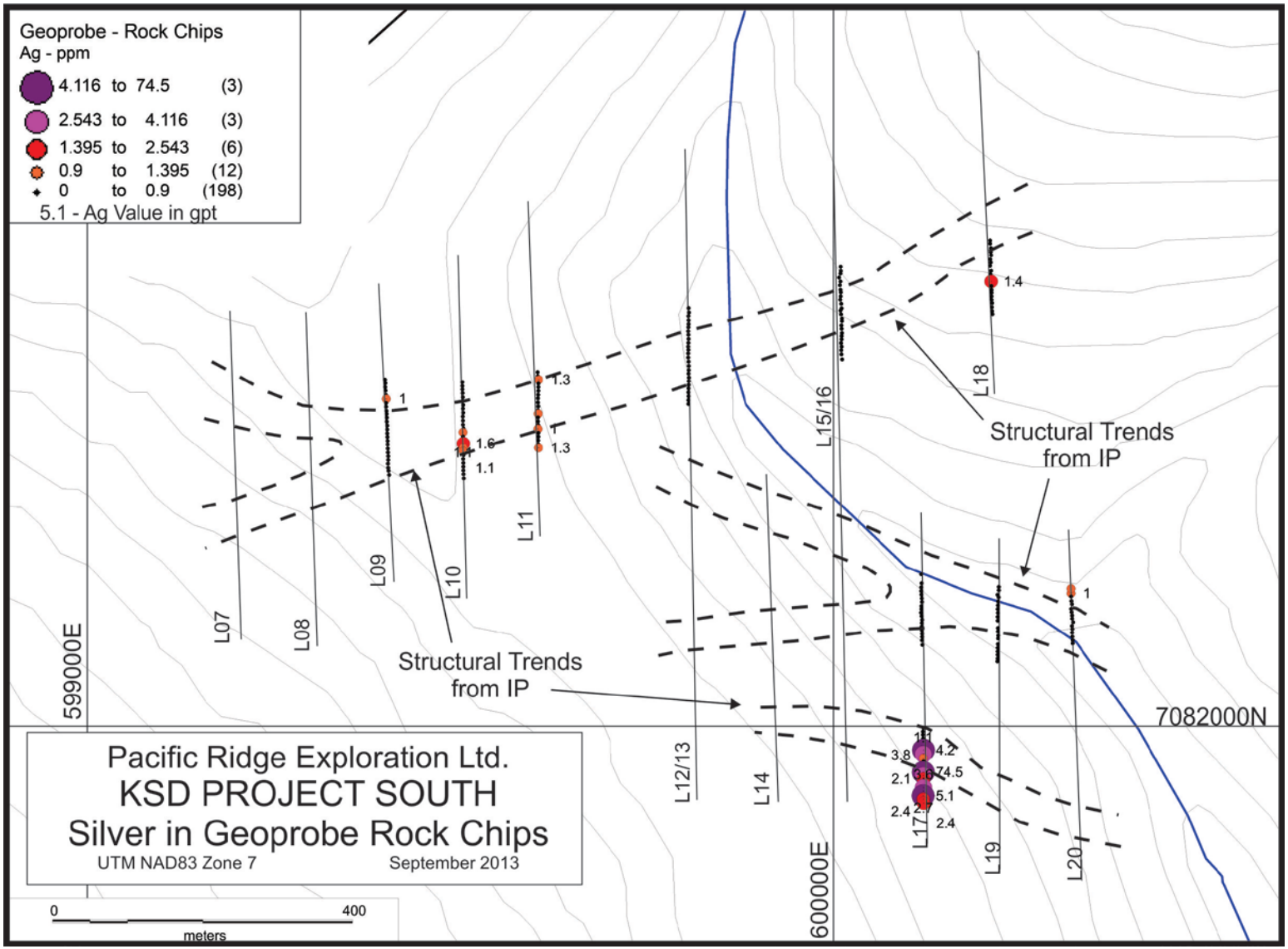

Figure 20. Silver geochemistry from Geoprobe rock chips, bottom of hole.

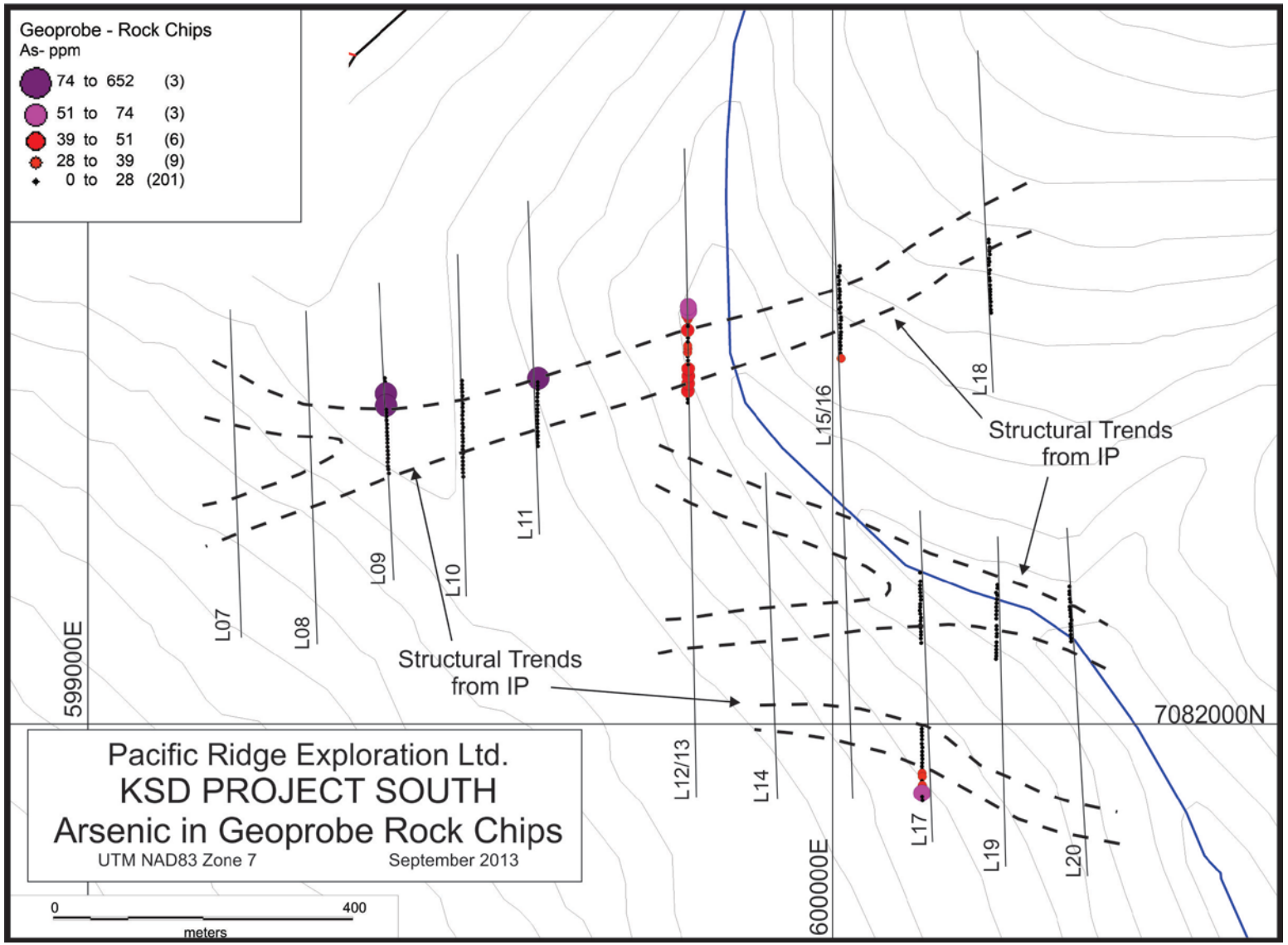

Figure 21. Arsenic geochemistry from Geoprobe rock chips, bottom of hole.

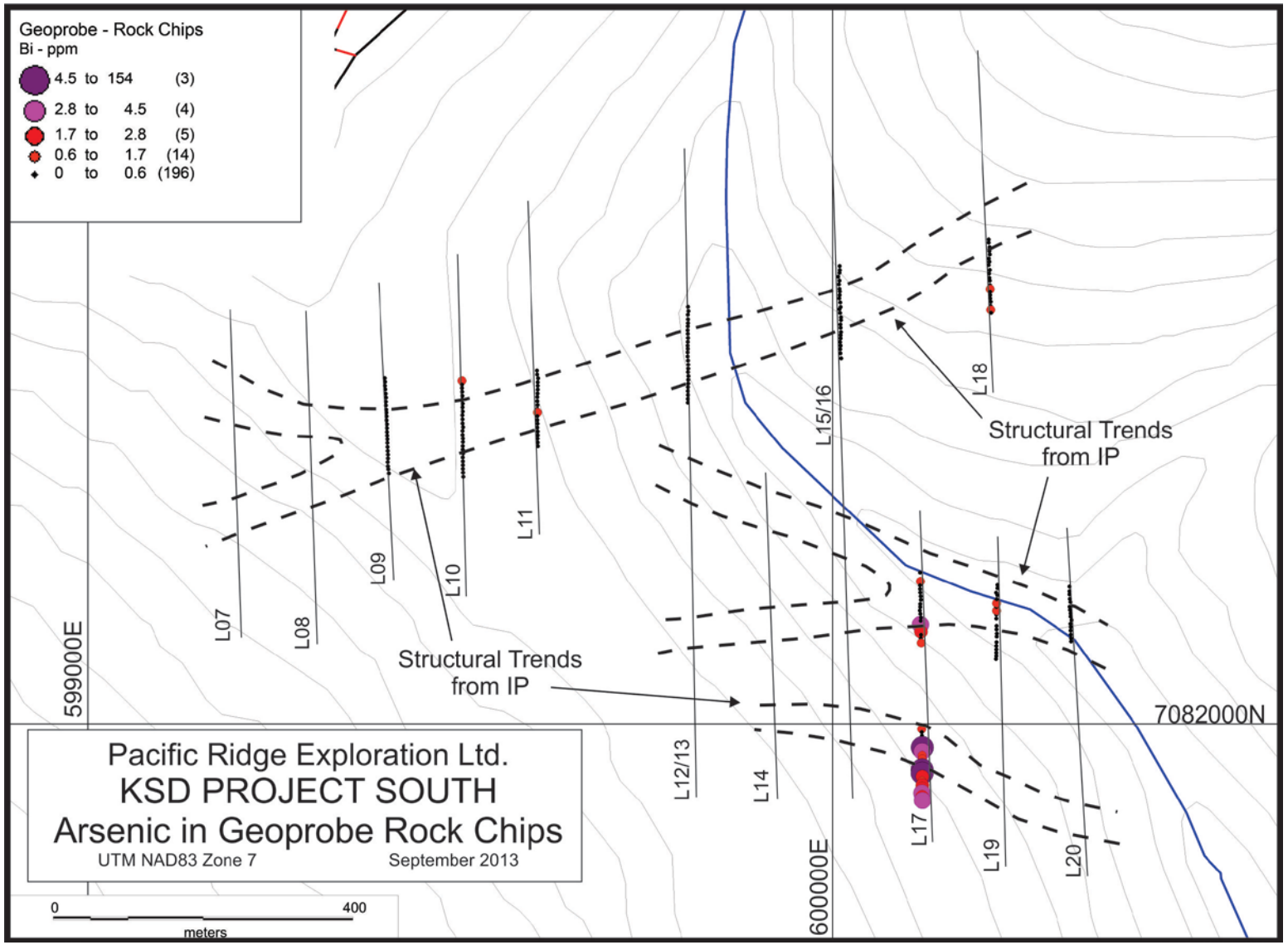

Figure 22. Bismuth geochemistry from Geoprobe rock chips, bottom of hole.

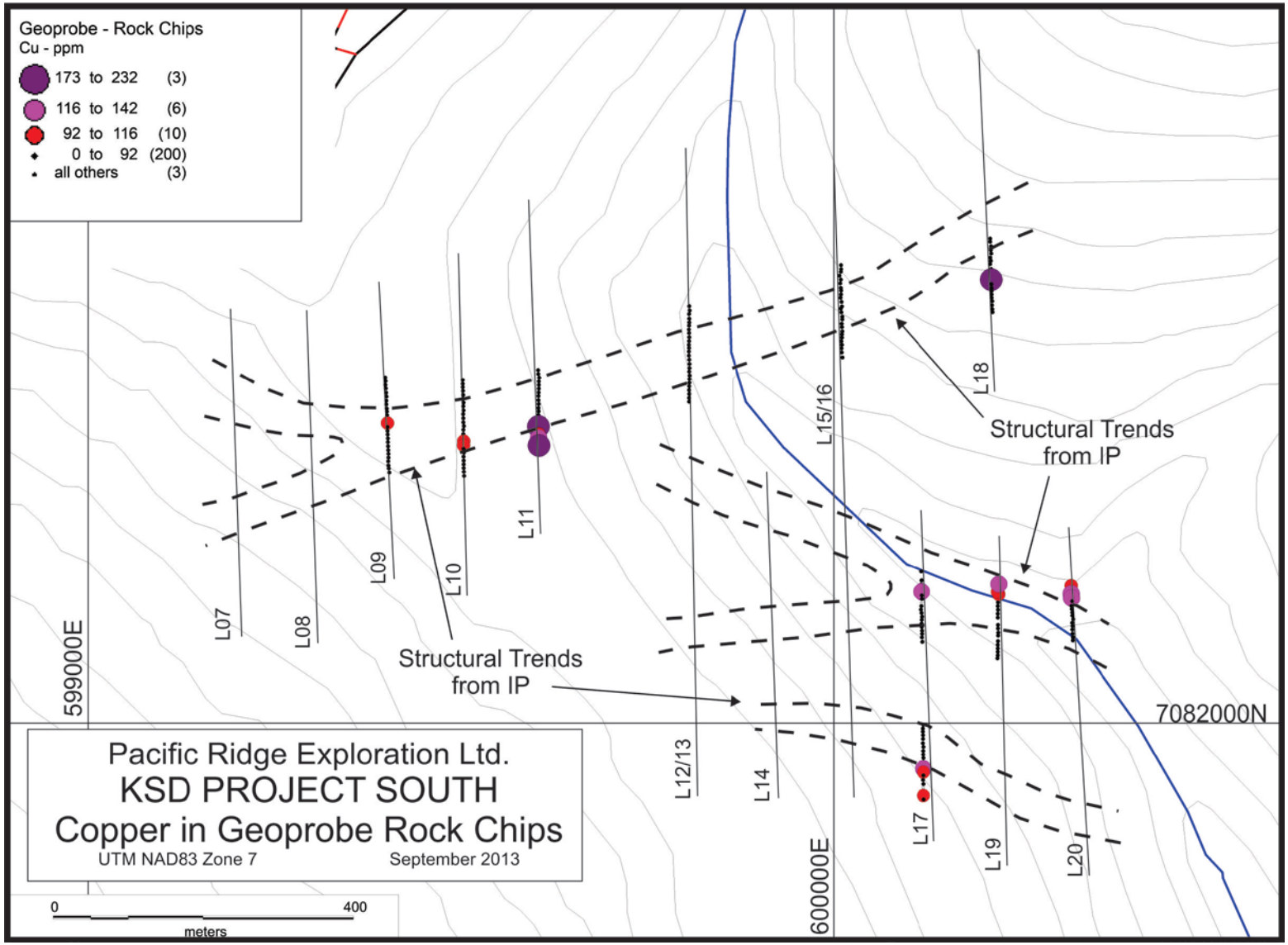

Figure 23. Copper geochemistry from Geoprobe rock chips, bottom of hole.

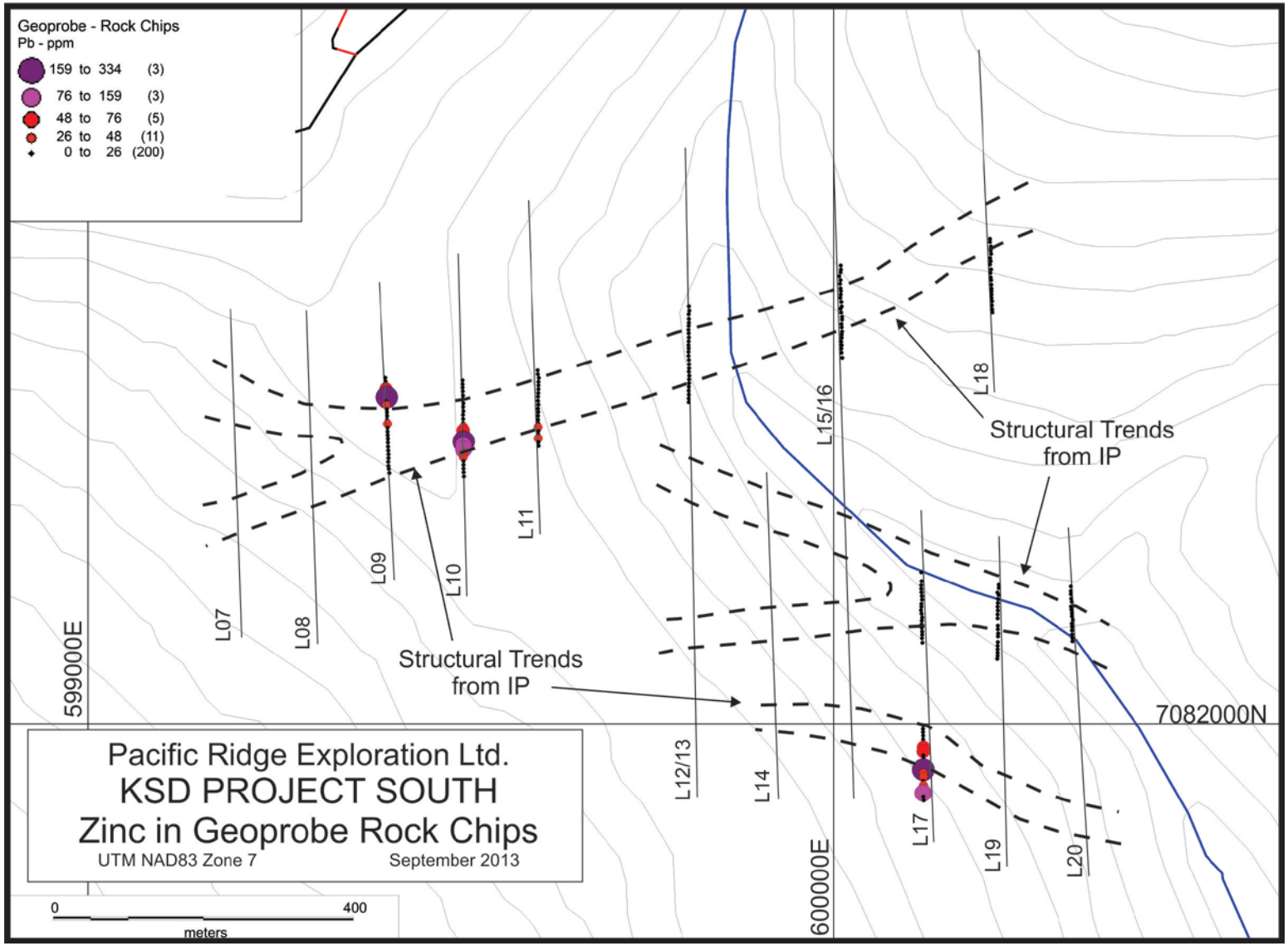

Figure 24. Lead geochemistry from Geoprobe rock chips, bottom of hole.

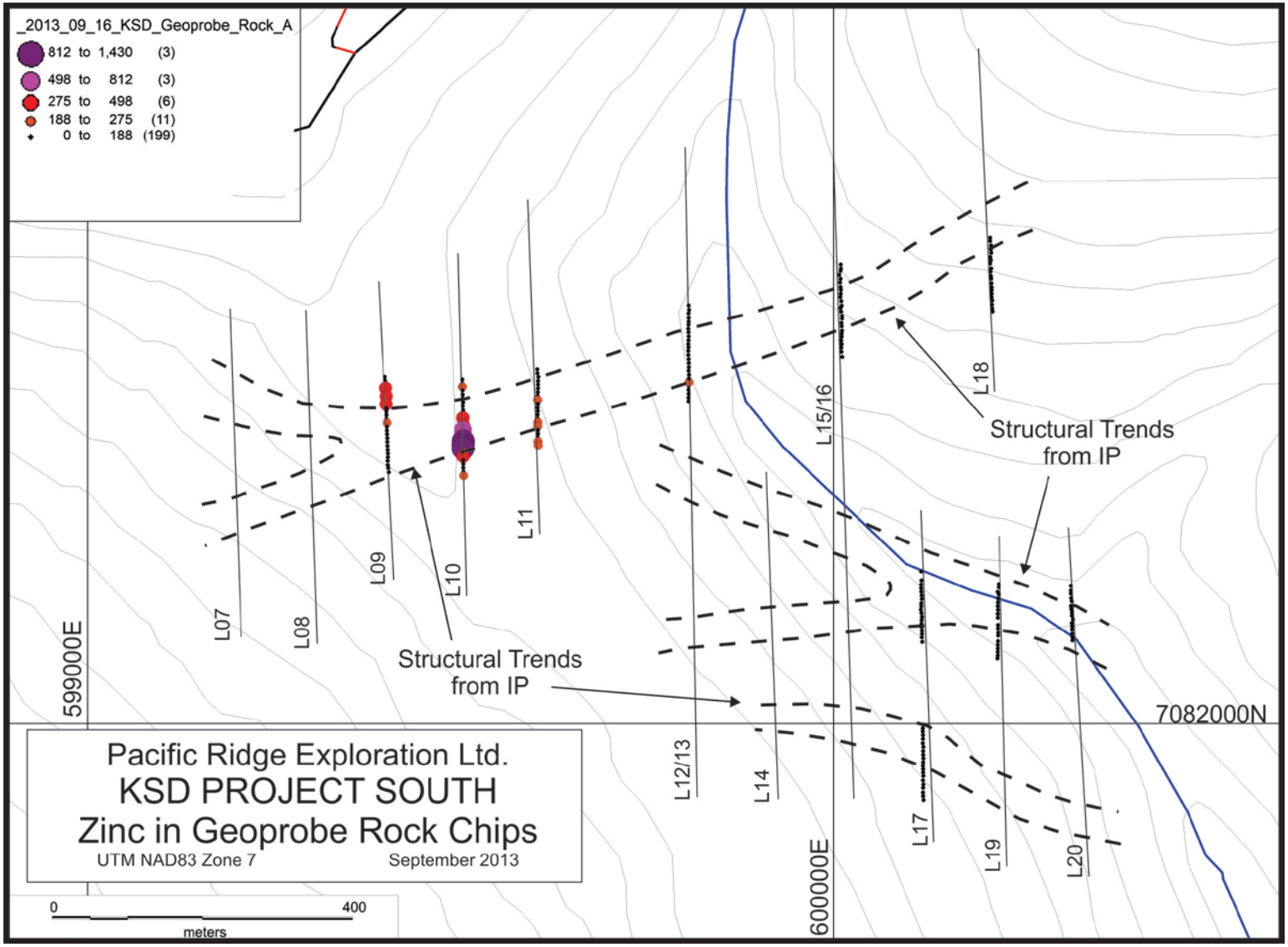

Figure 25. Zinc geochemistry from Geoprobe rock chips, bottom of hole.

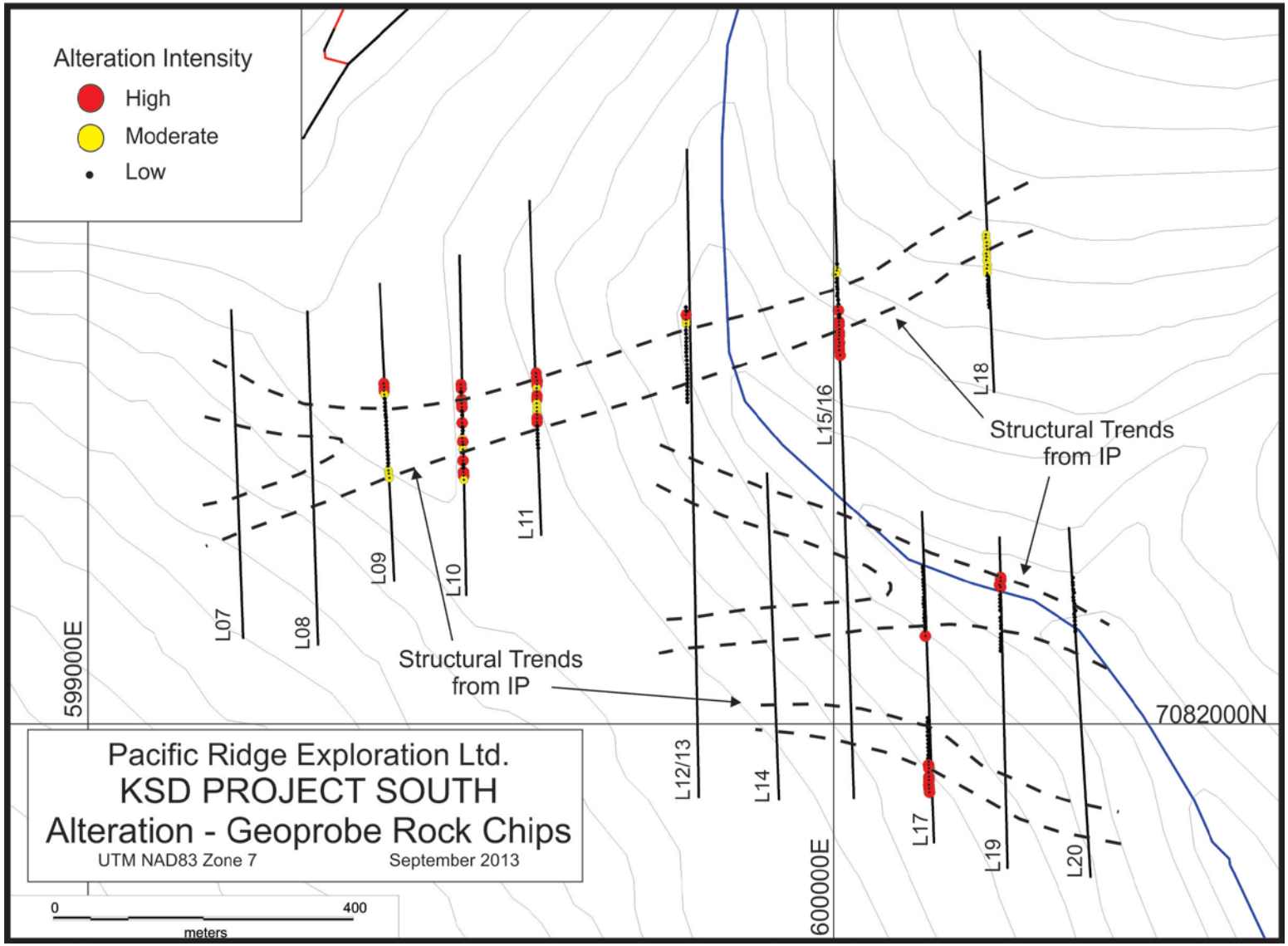

Figure 26. Alteration intensity from Geoprobe rock chips, bottom of hole.

Geoprobe Survey Results

The feature that becomes first apparent when comparing surface soil results with Geoprobe results is that the soils are much more widely dispersed compared with the Geoprobe results, which are tightly constrained. For example, there is no significant Geoprobe gold anomaly on L13 directly below the highest gold soil anomaly of 1.3 ppm gold. The sample sits is at the bottom of a slope, thus suggesting that the soil anomaly may be the result of down-slope dispersion.

Anomalous gold values were encountered on IP L17 – 2.861 gpt Au, L11 – 2.041 gpt Au, L18 – 0.746 gpt Au and L20 – 0.680 gpt Au and 0.473 gpt Au (see Figure 18). All of these are significant values and deserving of follow-up.

The key anomaly is the King Zone, with anomalous to strongly anomalous gold values over 900 m in an east-northeasterly direction. This anomaly has associated with it only weakly anomalous silver values. It has a strong arsenic association, but only in the central to western portion of the anomaly. Cu, Pb and Zn are anomalous only at the extreme western end of this zone. The King Zone is interpreted to be a steep-dipping mineralized structure, possibly over 1 km in length and of uncertain thickness

Of similar interest is the L18 anomaly, within the King SE Zone. It also has strongly anomalous silver values (Figure 19), with one value of 75 ppm Ag. The silver anomaly extends along L10 for 50 m. There are no adjacent Geoprobe lines, but the silver soil results (Figure 9) suggest that this anomaly could extend for over 500 m in a northwesterly direction. This anomaly is also supported by strongly anomalous Bi, both in Geoprobe (Figure 22) and soils (Figure 11) as well as Pb and As. It is also associated with anomalous Cu values over a broad area, roughly 500 m diameter in soils along the western edge of the Ag anomaly and extending to the southeast (Figure 14). At this time, it is uncertain if the gold-silver is associated with a structure that is similar and sub-parallel to the King Zone or a north-northwesterly trending cross structure that could intersect the King Zone near IP L13.

Geological Mapping:

During the period August 9 through September 1, 2013, Jean Pautler, a geologist with an exceptional amount of field experience in the Klondike district, spent four days examining the rocks and photographs from all the Geoprobe samples collected from the King Zone and King SE Zone targets. Her complete results are included as Appendix 9 to this report.

All the rocks from the Geoprobe sampling were identified as schist with variable amounts of sericite, chlorite, quartz and feldspar, with biotite locally present. The main alteration is quartz-sericite-pyrite, with the pyrite altered to limonite. The alteration results, with three levels of alteration intensity, are shown in Figure 25.

The zones of more intense alteration are observed in the central King Zone, with the high Au-Ag values in the King SE Zone and along L16 within the eastern King Zone.

CONCLUSIONS

Soil sampling by Shawn Ryan during the period 2004 to 2012 resulted in the definition of a strong gold soil anomaly with locally associated tungsten, silver, arsenic, bismuth, molybdenum, copper, lead and

zinc values, referred to as the KSD South Zone. This anomaly is bisected by an east-northeast trending structure and a north-northwesterly cross structure, as interpreted from aeromagnetic data. The northern half of the anomaly has a strong As association, with anomalous Ag, Mo and Bi in its eastern portion, near the cross structure, and weakly anomalous gold values.

The strongest gold anomaly, the King Zone, south of the main structure, has a tungsten association in its core and a weak base metal signature at its western end, but it is largely a gold-only anomaly. Related anomalies included the King SE Zone Au-Ag-Bi-Cu anomaly and the Prince Au-Ag anomaly, along trend from the King Zone to the west.

In order to better define these anomalies, innovative exploration technologies developed by Shawn Ryan and Ground Truth Exploration were applied to the project. This included detailed, high resolution IP/Resistivity surveys followed by deep penetrating Geoprobe soil and rock sampling.

The IP survey was successful in outlining a number of steeply dipping, east-west trending structures that can be traced from line to line and that correlate with the strongest gold soil anomalies. Typically, these zones have low resistivity and low chargeability, but higher chargeability and high resistivity features are also present. The strongest of these features trends beneath the King Zone soil anomaly but similar zones were also noted beneath the King SE and Prince Zones. The IP survey also defined a shallow, south dipping feature in the Prince Zone with a surface trace that appears to correlate with the east-west structure recognized in the aeromagnetic data. This could be an important controlling structure in terms of mineralization, in particular as it appears to be important in the localization of the various components of the KSD South soil anomaly.

The Geoprobe proved to be effective in cutting through the surficial dispersion patterns characteristic of the regular soil sampling survey and in defining specific areas of anomalous gold +/- silver values for further follow-up. These focused target areas are within the structural trends outlined by the IP survey and, for the most part, coincide with zones of highest alteration intensity as defined by Jean Pautler (this report). These zones include the central King Zone (Au - 10), eastern King Zone (Au - L18), southern King SE Zone (Au+Ag – L17) and eastern King SE Zone (Au – L20).

RECOMMENDATIONS

A follow-up program of focused trenching is recommended for each of the strong gold +/- silver Geoprobe anomalies described above. The trenching, including at least three trenches across each zone, would be designed to determine the location of the bedrock source of the gold mineralization, as well as its orientation. In addition, a Geoprobe survey of approximately 800 m (160 samples) should be completed over the Prince Zone.

Contingent on successful results from the trenching program, a core drilling program of at least three holes per target is recommended.

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CERTIFICATE OF QUALIFICATIONS

I, Gerald G. Carlson, hereby certify that:

1. I am a consulting mineral exploration geologist and Vice President of Exploration for Pacific Ridge Exploration Ltd., 11th Floor – 1111 Melville St., Vancouver, B.C. V6E 3V6.

2. I am a graduate of the University of Toronto, with a degree in Geological Engineering (B.A.Sc., 1969). I attended graduate school at Michigan Technological University (M.Sc., 1974) and Dartmouth College (Ph.D., 1978). I have been involved in geological mapping, mineral exploration and the management of mineral exploration companies continuously since 1969, with the exception of time between 1972 and 1978 for graduate studies in economic geology.

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 12513 and of the Association of Professional Engineers of Yukon, Registration No. 0198.

4. I am the author of this report on the King Solomon Project, YMIP Project 13-073.

5. The report is based on a literature review, on private company reports and on the 2013 work program.

6. I am Vice President of Exploration for Pacific Ridge Exploration Ltd. and I own shares in the company.

7. I was personally involved in the planning, execution and interpretation of the exploration programs discussed in this report.

Dated at Vancouver, B.C. this 1st day of October, 2013,

Gerald G. Carlson, Ph.D., P. Eng.

Appendix I
Statement of Expenditures

Item	Contractor/Supplier	Description	Amount
Soil Sampling	GroundTruth Exploration	462 samples	$9,142.40
Geochem Analysis	Acme Analytical	462 samples	$8,665.44
IP Survey	GroundTruth Exploration	20 x 420 m lines	$54,534.00
Geoprobe Survey	GroundTruth Exploration	10 lines, 230 samples	$33,657.80
Geochem Analysis	Acme Analytical	228 samples	$7,728.32
Lithology/Alteration	JP Exploration Services	4 days	$3,400.00
Project Supervision	KGE Management (G.Carlson)		$7,838.75
Total			**$124,966.71**

Appendix II
List of Claims

Grant No.	Name	No.	Owner	Expiry Date
YC23516	Crown Jewel	1	Shawn Ryan - 100%	23-Feb-2014
YC23517	Crown Jewel	2	Shawn Ryan - 100%	23-Feb-2014
YC23518	Crown Jewel	3	Shawn Ryan - 100%	23-Feb-2014
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YC23520	Crown Jewel	5	Shawn Ryan - 100%	23-Feb-2014
YC23521	Crown Jewel	6	Shawn Ryan - 100%	23-Feb-2014
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YC86752	King	51	Shawn Ryan - 100%	23-Feb-2014
YC86753	King	52	Shawn Ryan - 100%	23-Feb-2014
YC86754	King	53	Shawn Ryan - 100%	23-Feb-2014
YC86755	King	54	Shawn Ryan - 100%	23-Feb-2014
YC44334	NPrince	1	Shawn Ryan - 100%	23-Feb-2014
YC44335	NPrince	2	Shawn Ryan - 100%	23-Feb-2014
YC44336	NPrince	3	Shawn Ryan - 100%	23-Feb-2014
YC44337	NPrince	4	Shawn Ryan - 100%	23-Feb-2014

Grant No.	Name	No.	Owner	Expiry Date
YC44338	NPrince	5	Shawn Ryan - 100%	23-Feb-2014
YC44339	NPrince	6	Shawn Ryan - 100%	23-Feb-2014
YC44340	NPrince	7	Shawn Ryan - 100%	23-Feb-2014
YC44341	NPrince	8	Shawn Ryan - 100%	23-Feb-2014
YC44342	NPrince	9	Shawn Ryan - 100%	23-Feb-2014
YC44343	NPrince	10	Shawn Ryan - 100%	23-Feb-2014
YC44344	NPrince	11	Shawn Ryan - 100%	23-Feb-2014
YC44345	NPrince	12	Shawn Ryan - 100%	23-Feb-2014
YC44346	NPrince	13	Shawn Ryan - 100%	23-Feb-2014
YC44347	NPrince	14	Shawn Ryan - 100%	23-Feb-2014
YC44348	NPrince	15	Shawn Ryan - 100%	23-Feb-2014
YC44349	NPrince	16	Shawn Ryan - 100%	23-Feb-2014
YC20647	Prince	1	Shawn Ryan - 100%	23-Feb-2014
YC20648	Prince	2	Shawn Ryan - 100%	23-Feb-2014
YC20649	Prince	3	Shawn Ryan - 100%	23-Feb-2014
YC20650	Prince	4	Shawn Ryan - 100%	23-Feb-2014
YC20651	Prince	5	Shawn Ryan - 100%	23-Feb-2014
YC20652	Prince	6	Shawn Ryan - 100%	23-Feb-2014
YC20653	Prince	7	Shawn Ryan - 100%	23-Feb-2014
YC20654	Prince	8	Shawn Ryan - 100%	23-Feb-2014
YC20655	Prince	9	Shawn Ryan - 100%	23-Feb-2014
YC20656	Prince	10	Shawn Ryan - 100%	23-Feb-2014
YC20657	Prince	11	Shawn Ryan - 100%	23-Feb-2014
YC20658	Prince	12	Shawn Ryan - 100%	23-Feb-2014
YC20659	Prince	13	Shawn Ryan - 100%	23-Feb-2014
YC20660	Prince	14	Shawn Ryan - 100%	23-Feb-2014
YC20661	Prince	15	Shawn Ryan - 100%	23-Feb-2014
YC20662	Prince	16	Shawn Ryan - 100%	23-Feb-2014
YC20663	Prince	17	Shawn Ryan - 100%	23-Feb-2014
YC20664	Prince	18	Shawn Ryan - 100%	23-Feb-2014
YC20665	Prince	19	Shawn Ryan - 100%	23-Feb-2014
YC20666	Prince	20	Shawn Ryan - 100%	23-Feb-2014
YC20667	Prince	21	Shawn Ryan - 100%	23-Feb-2014
YC20668	Prince	22	Shawn Ryan - 100%	23-Feb-2014
YC20669	Prince	23	Shawn Ryan - 100%	23-Feb-2014
YC20670	Prince	24	Shawn Ryan - 100%	23-Feb-2014
YC20671	Prince	25	Shawn Ryan - 100%	23-Feb-2014
YC20672	Prince	26	Shawn Ryan - 100%	23-Feb-2014
YC20673	Prince	27	Shawn Ryan - 100%	23-Feb-2014
YC20674	Prince	28	Shawn Ryan - 100%	23-Feb-2014
YC20675	Prince	29	Shawn Ryan - 100%	23-Feb-2014
YC20676	Prince	30	Shawn Ryan - 100%	23-Feb-2014
YC20677	Prince	31	Shawn Ryan - 100%	23-Feb-2014
YC20678	Prince	32	Shawn Ryan - 100%	23-Feb-2014
YC20679	Prince	33	Shawn Ryan - 100%	23-Feb-2014
YC20680	Prince	34	Shawn Ryan - 100%	23-Feb-2014

Grant No.	Name	No.	Owner	Expiry Date
YC20681	Prince	35	Shawn Ryan - 100%	23-Feb-2014
YC20682	Prince	36	Shawn Ryan - 100%	23-Feb-2014
YC20683	Prince	37	Shawn Ryan - 100%	23-Feb-2014
YC20684	Prince	38	Shawn Ryan - 100%	23-Feb-2014
YC20685	Prince	39	Shawn Ryan - 100%	23-Feb-2014
YC20686	Prince	40	Shawn Ryan - 100%	23-Feb-2014
YC20687	Prince	41	Shawn Ryan - 100%	23-Feb-2014
YC20688	Prince	42	Shawn Ryan - 100%	23-Feb-2014
YC20689	Prince	43	Shawn Ryan - 100%	23-Feb-2014
YC20690	Prince	44	Shawn Ryan - 100%	23-Feb-2014
YC20691	Prince	45	Shawn Ryan - 100%	23-Feb-2014
YC20692	Prince	46	Shawn Ryan - 100%	23-Feb-2014
YC21127	Prince	47	Shawn Ryan - 100%	23-Feb-2014
YC21128	Prince	48	Shawn Ryan - 100%	23-Feb-2014
YC21129	Prince	49	Shawn Ryan - 100%	23-Feb-2014
YC21130	Prince	50	Shawn Ryan - 100%	23-Feb-2014
YC21131	Prince	51	Shawn Ryan - 100%	23-Feb-2014
YC21132	Prince	52	Shawn Ryan - 100%	23-Feb-2014
YC21133	Prince	53	Shawn Ryan - 100%	23-Feb-2014
YC21134	Prince	54	Shawn Ryan - 100%	23-Feb-2014
YC34443	Prince	61	Shawn Ryan - 100%	23-Feb-2014
YC34444	Prince	62	Shawn Ryan - 100%	23-Feb-2014
YC34445	Prince	63	Shawn Ryan - 100%	23-Feb-2014
YC34446	Prince	64	Shawn Ryan - 100%	23-Feb-2014
YC34447	Prince	65	Shawn Ryan - 100%	23-Feb-2014
YC34448	Prince	66	Shawn Ryan - 100%	23-Feb-2014
YC34449	Prince	67	Shawn Ryan - 100%	23-Feb-2014
YC34450	Prince	68	Shawn Ryan - 100%	23-Feb-2014
YC34451	Prince	69	Shawn Ryan - 100%	23-Feb-2014
YC34452	Prince	70	Shawn Ryan - 100%	23-Feb-2014
YC34453	Prince	71	Shawn Ryan - 100%	23-Feb-2014
YC34454	Prince	72	Shawn Ryan - 100%	23-Feb-2014
YC34455	Prince	73	Shawn Ryan - 100%	23-Feb-2014
YC34456	Prince	74	Shawn Ryan - 100%	23-Feb-2014
YC34457	Prince	75	Shawn Ryan - 100%	23-Feb-2014
YC34458	Prince	76	Shawn Ryan - 100%	23-Feb-2014
YC34459	Prince	77	Shawn Ryan - 100%	23-Feb-2014
YC34460	Prince	78	Shawn Ryan - 100%	23-Feb-2014
YC34461	Prince	79	Shawn Ryan - 100%	23-Feb-2014
YC34462	Prince	80	Shawn Ryan - 100%	23-Feb-2014
YC34463	Prince	81	Shawn Ryan - 100%	23-Feb-2014
YC36113	Prince	82	Shawn Ryan - 100%	23-Feb-2014
YC36114	Prince	83	Shawn Ryan - 100%	23-Feb-2014
YC36115	Prince	84	Shawn Ryan - 100%	23-Feb-2014
YC36116	Prince	85	Shawn Ryan - 100%	23-Feb-2014
YC36117	Prince	86	Shawn Ryan - 100%	23-Feb-2014

Grant No.	Name	No.	Owner	Expiry Date
YC36118	Prince	87	Shawn Ryan - 100%	23-Feb-2014
YC36119	Prince	88	Shawn Ryan - 100%	23-Feb-2014
YC36120	Prince	89	Shawn Ryan - 100%	23-Feb-2014
YC36121	Prince	90	Shawn Ryan - 100%	23-Feb-2014
YC36122	Prince	91	Shawn Ryan - 100%	23-Feb-2014
YC36123	Prince	92	Shawn Ryan - 100%	23-Feb-2014
YC61040	Prince	93	Shawn Ryan - 100%	23-Feb-2014
YC61041	Prince	94	Shawn Ryan - 100%	23-Feb-2014
YC61042	Prince	95	Shawn Ryan - 100%	23-Feb-2014
YC61043	Prince	96	Shawn Ryan - 100%	23-Feb-2014
YD11751	Sophie	1	39242 Yukon Inc. - 100%	24-Dec-2014
YD11752	Sophie	2	39242 Yukon Inc. - 100%	24-Dec-2014
YD11753	Sophie	3	39242 Yukon Inc. - 100%	24-Dec-2014
YD11754	Sophie	4	39242 Yukon Inc. - 100%	24-Dec-2014
YD11755	Sophie	5	39242 Yukon Inc. - 100%	24-Dec-2014
YD11756	Sophie	6	39242 Yukon Inc. - 100%	24-Dec-2014
YD11757	Sophie	7	39242 Yukon Inc. - 100%	24-Dec-2014
YD11758	Sophie	8	39242 Yukon Inc. - 100%	24-Dec-2014
YD11759	Sophie	9	39242 Yukon Inc. - 100%	24-Dec-2014
YD11760	Sophie	10	39242 Yukon Inc. - 100%	24-Dec-2014
YD11761	Sophie	11	39242 Yukon Inc. - 100%	24-Dec-2014
YD11762	Sophie	12	39242 Yukon Inc. - 100%	24-Dec-2014
YD11763	Sophie	13	39242 Yukon Inc. - 100%	24-Dec-2014
YD11764	Sophie	14	39242 Yukon Inc. - 100%	24-Dec-2014
YD11765	Sophie	15	39242 Yukon Inc. - 100%	24-Dec-2014
YD11766	Sophie	16	39242 Yukon Inc. - 100%	24-Dec-2014
YD11767	Sophie	17	39242 Yukon Inc. - 100%	24-Dec-2014
YD11768	Sophie	18	39242 Yukon Inc. - 100%	24-Dec-2014
YD11769	Sophie	19	39242 Yukon Inc. - 100%	24-Dec-2014
YD11770	Sophie	20	39242 Yukon Inc. - 100%	24-Dec-2014
YD11771	Sophie	21	39242 Yukon Inc. - 100%	24-Dec-2014
YD11772	Sophie	22	39242 Yukon Inc. - 100%	24-Dec-2014
YE65081	Sophie	23	39242 Yukon Inc. - 100%	11-Oct-2013
YE65082	Sophie	24	39242 Yukon Inc. - 100%	11-Oct-2013
YE65083	Sophie	25	39242 Yukon Inc. - 100%	11-Oct-2013
YE65084	Sophie	26	39242 Yukon Inc. - 100%	11-Oct-2013
YE65085	Sophie	27	39242 Yukon Inc. - 100%	11-Oct-2013
YE65086	Sophie	28	39242 Yukon Inc. - 100%	11-Oct-2013
YE65087	Sophie	29	39242 Yukon Inc. - 100%	11-Oct-2013
YE65088	Sophie	30	39242 Yukon Inc. - 100%	11-Oct-2013
YE65089	Sophie	31	39242 Yukon Inc. - 100%	11-Oct-2013
YE79476	Sophie	32	39242 Yukon Inc. - 100%	11-Oct-2013
YE79477	Sophie	33	39242 Yukon Inc. - 100%	11-Oct-2013
YE79478	Sophie	34	39242 Yukon Inc. - 100%	11-Oct-2013
YE79479	Sophie	35	39242 Yukon Inc. - 100%	11-Oct-2013
YE79480	Sophie	36	39242 Yukon Inc. - 100%	11-Oct-2013

Grant No.	Name	No.	Owner	Expiry Date
YE79481	Sophie	37	39242 Yukon Inc. - 100%	11-Oct-2013
YE79482	Sophie	39	39242 Yukon Inc. - 100%	11-Oct-2013
YE79484	Sophie	40	39242 Yukon Inc. - 100%	11-Oct-2013
YE79485	Sophie	41	39242 Yukon Inc. - 100%	11-Oct-2013

Appendix III
Summary Table of Key Geochemical Results – Sophie Grid

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1264890	599843	7081807	14.3	0.5	0.4	53.9	11.6	32	5.6	0.2
1264891	599844	7081757	17.1	0.1	0.8	24.4	9.6	47	21.1	0.3
1264892	599846	7081707	12.9	0.4	1.1	34.4	9.4	67	14.0	0.3
1264893	599848	7081657	13.8	0.3	0.9	38.5	8.2	48	7.0	0.3
1264894	599850	7081607	273.7	0.5	0.8	41.7	11.2	79	13.3	0.3
1264895	599853	7081556	16.7	0.6	1.3	59.3	20.3	160	11.2	0.2
1264896	599854	7081507	6.3	0.3	0.9	22.0	15.7	83	16.4	0.1
1264897	599751	7081503	3.2	0.3	1.2	26.1	12.5	79	57.6	0.1
1264898	599751	7081553	18.6	0.4	1.3	41.4	13.8	82	13.5	0.3
1264899	599750	7081604	31.6	2.6	3.8	106.5	17.5	48	31.1	0.9
1264900	599747	7081653	10.8	0.3	1.3	30.3	8.6	59	12.7	0.3
1264902	599745	7081703	9.1	0.2	0.7	25.7	7.6	54	9.9	0.2
1264903	599743	7081752	90.0	0.4	0.5	47.5	9.3	58	20.9	0.4
1264904	599741	7081803	81.0	0.5	0.5	44.0	9.6	55	10.9	0.3
1264905	600512	7082681	11.2	0.3	0.7	16.8	4.5	34	7.6	0.1
1264906	600514	7082631	6.5	0.2	0.7	25.6	5.4	37	7.4	0.1
1264907	600516	7082581	4.9	0.2	1.0	18.2	9.9	53	8.7	0.2
1264908	600517	7082531	18.3	0.2	1.0	20.4	10.2	53	8.4	0.2
1264909	600519	7082482	112.5	0.2	0.5	30.8	5.2	59	8.3	0.3
1264910	600522	7082431	6.6	0.2	1.1	28.6	9.5	56	9.4	0.3
1264911	600522	7082381	10.2	0.1	0.9	25.1	8.4	54	9.0	0.1
1264912	600524	7082331	11.2	0.1	1.0	25.5	8.7	54	9.2	0.2
1264913	600526	7082281	3.7	0.1	1.1	21.3	8.1	52	9.0	0.1
1264914	600527	7082231	4.0	0.2	0.8	22.0	7.2	47	7.5	0.1
1264915	600528	7082181	3.1	0.1	0.8	14.2	8.3	47	8.1	0.1
1264916	600530	7082131	10.6	0.4	0.5	54.0	7.9	70	6.9	0.2
1264917	600540	7082082	12.0	0.4	0.8	31.5	9.9	79	12.9	0.3
1264918	600512	7082029	14.0	0.8	0.5	31.9	7.3	44	23.7	0.8
1264919	600535	7081981	17.4	0.9	0.4	24.3	10.6	36	22.9	1.9
1264920	600537	7081931	17.5	0.9	0.9	24.8	8.4	41	32.0	1.4
1264921	600538	7081881	13.6	1.6	1.4	38.1	14.8	55	64.0	1.8
1264922	600540	7081831	20.8	0.9	1.6	63.1	10.0	47	268.2	1.2
1264923	600542	7081780	9.0	0.7	1.0	27.7	8.6	38	67.0	0.9
1264924	600543	7081732	9.0	0.7	1.0	31.6	8.5	45	37.1	0.7

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1264925	600543	7081732	6.2	0.7	0.8	26.8	7.7	40	34.7	0.5
1264926	599141	7081830	13.8	0.8	1.0	31.8	26.6	99	9.2	0.3
1264927	599139	7081880	17.3	0.5	0.5	34.4	27.6	128	11.1	0.2
1264928	599138	7081931	9.3	0.3	0.5	45.2	7.3	58	7.2	0.2
1264929	599136	7081982	17.7	0.4	0.6	56.3	7.1	68	8.8	0.2
1264930	599134	7082032	22.4	0.4	0.5	75.4	7.2	73	10.3	0.3
1264931	599133	7082082	5.9	0.2	0.9	22.5	8.7	63	10.1	0.2
1264932	599131	7082133	95.5	0.2	0.8	32.4	18.7	112	19.2	0.1
1264933	599231	7082134	14.1	0.2	0.6	42.2	9.6	70	10.7	0.2
1264934	599232	7082086	8.2	0.2	0.7	36.8	8.8	55	9.5	0.2
1264935	599234	7082036	5.4	0.2	0.8	30.0	8.6	57	7.7	0.2
1264936	599235	7081986	7.1	0.2	0.8	27.8	10.8	62	10.3	0.2
1264937	599238	7081936	16.1	0.6	0.2	70.6	8.3	76	5.4	0.1
1264938	599239	7081886	19.2	0.9	0.6	66.4	7.6	84	8.9	0.2
1264939	599242	7081834	24.1	0.7	0.4	83.4	8.9	110	8.8	0.2
1264940	600745	7081739	3.5	0.1	0.5	10.9	3.4	35	8.4	0.1
1264941	600743	7081786	4.1	0.3	1.0	22.1	6.2	42	8.0	0.1
1264942	600742	7081836	3.8	0.1	0.6	19.8	4.8	37	7.1	0.1
1264943	600741	7081886	2.4	0.2	0.6	23.1	5.2	42	6.5	0.1
1264944	600737	7081937	3.9	0.1	0.7	24.3	5.7	46	7.1	0.1
1264945	600736	7081985	4.4	0.1	1.1	23.9	8.6	53	9.5	0.1
1264946	600735	7082037	16.0	0.1	0.7	20.6	6.3	49	7.4	0.1
1264947	600733	7082088	3.7	0.1	0.6	20.2	5.7	49	7.8	0.1
1264948	600731	7082136	9.2	0.1	0.6	14.8	6.2	45	9.3	0.1
1264949	600729	7082187	5.2	0.1	0.7	16.2	5.4	43	7.9	0.1
1264950	600728	7082236	23.3	0.1	0.7	13.8	6.0	41	8.1	0.1
1278787	597642	7081680	3.9	0.2	1.3	19.9	9.4	75	21.0	0.1
1278790	600028	7082114	12.2	0.4	0.2	119.7	5.2	36	7.9	0.2
1278791	600036	7082013	11.8	0.2	0.3	68.8	4.3	45	6.0	0.2
1278792	600038	7081913	16.6	0.3	0.5	51.6	4.5	44	6.9	0.4
1278793	600041	7081811	12.0	0.3	0.5	32.3	4.2	43	8.9	0.3
1278796	600047	7081714	74.9	0.3	1.1	39.0	6.4	51	18.0	0.5
1278797	597643	7081732	3.8	0.1	1.2	25.3	10.7	78	25.1	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1278798	597645	7081631	3.5	0.2	1.0	23.1	9.9	67	15.8	0.1
1278799	597646	7081581	2.7	0.1	1.3	41.4	9.8	86	7.8	0.1
1278800	597647	7081530	1.2	0.1	2.0	44.6	9.3	85	8.4	0.1
1278802	600727	7082286	111.8	0.1	0.4	14.4	2.6	39	6.3	0.1
1278803	600724	7082338	12.6	0.1	0.7	20.9	6.0	43	7.9	0.1
1278804	600723	7082386	8.3	0.1	0.8	20.7	4.5	42	9.1	0.1
1278805	600721	7082437	18.7	0.1	0.7	18.0	6.0	40	9.1	0.1
1278806	600719	7082485	4.5	0.1	1.0	25.0	8.0	48	9.0	0.1
1278807	600717	7082538	7.6	0.1	0.9	28.0	6.5	48	7.8	0.1
1278808	600716	7082585	7.5	0.2	0.8	41.0	6.2	51	7.4	0.1
1278809	600714	7082637	4.6	0.2	1.1	25.5	9.1	65	8.5	0.1
1278810	600712	7082687	3.5	0.2	1.0	18.9	8.3	51	7.9	0.1
1278811	600612	7082684	18.4	0.2	0.7	19.3	6.9	44	9.3	0.1
1278812	600615	7082635	4.2	0.1	0.9	18.0	7.7	52	8.3	0.1
1278813	600616	7082585	3.7	0.1	0.9	20.7	7.7	57	8.2	0.2
1278814	600619	7082534	3.2	0.3	1.1	21.8	7.9	48	7.5	0.1
1278815	600620	7082485	4.2	0.1	0.7	22.3	7.0	43	9.1	0.2
1278816	600622	7082435	9.8	0.1	0.7	22.6	6.3	46	7.8	0.1
1278817	600624	7082384	3.9	0.3	1.1	23.8	9.0	53	10.2	0.2
1278818	600625	7082335	23.9	0.1	0.6	15.8	4.5	42	8.3	0.2
1278819	600628	7082284	10.2	0.1	0.7	18.1	6.9	46	8.8	0.2
1365343	598554	7081462	11.0	0.4	0.4	20.7	9.2	66	33.4	0.1
1365344	598552	7081512	14.5	0.1	0.3	13.9	11.9	86	28.2	0.1
1365345	598550	7081562	24.8	0.2	0.2	13.2	5.2	79	56.2	0.1
1365346	598548	7081611	7.5	0.4	0.2	15.8	25.5	86	26.7	0.2
1365347	598547	7081663	15.2	0.1	0.4	16.9	7.5	77	35.7	0.1
1365348	598545	7081711	10.3	0.5	0.3	29.9	11.4	87	75.2	0.1
1365349	598543	7081763	10.0	0.2	1.2	31.2	17.9	109	90.2	0.2
1365350	598542	7081810	46.9	0.1	1.3	26.4	16.4	81	36.3	0.2
1365352	598540	7081861	7.7	0.2	0.6	19.8	13.6	72	53.5	0.1
1365353	598538	7081911	8.2	0.1	0.8	21.7	15.1	106	77.9	0.1
1365354	598536	7081963	4.6	0.1	1.1	20.4	10.8	60	69.6	0.1
1365355	598535	7082012	6.6	0.1	1.0	25.8	13.0	84	80.8	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1365471	598343	7081755	5.0	0.1	0.5	10.7	13.2	68	6.5	0.2
1365472	598339	7081805	2.5	0.1	0.5	17.6	11.8	71	2.8	0.2
1365473	598338	7081854	7.5	0.3	0.7	21.7	20.7	81	5.9	0.1
1365474	598338	7081903	6.2	0.1	0.4	16.7	16.1	62	3.3	0.1
1365475	598338	7081903	78.9	0.1	0.4	23.1	13.8	71	3.3	0.1
1365476	598338	7081956	30.4	0.2	2.7	48.8	21.8	163	4.9	0.1
1365477	598335	7082004	18.9	0.4	1.8	6.5	12.8	55	8.4	0.4
1365478	598335	7082055	8.8	0.2	1.0	20.5	16.5	69	59.8	0.1
1365479	598233	7082051	14.4	0.7	1.0	48.5	27.1	140	10.1	0.3
1365480	598235	7082002	22.9	0.3	0.4	60.9	36.7	142	6.0	0.1
1365481	598236	7081951	17.8	0.8	1.3	38.9	38.0	113	7.0	0.1
1365482	598240	7081901	63.4	0.3	0.7	26.9	31.1	106	9.3	0.1
1365483	598240	7081852	11.0	0.3	0.9	26.6	54.2	122	9.2	0.1
1365484	598242	7081802	7.2	0.3	0.6	34.2	19.4	88	6.8	0.2
1365485	598242	7081751	9.7	0.2	0.6	39.7	13.9	83	5.5	0.1
1365486	598245	7081702	65.7	0.4	1.6	30.7	21.4	125	7.9	0.2
1365487	598245	7081652	20.8	0.7	1.4	43.7	23.6	190	7.3	0.1
1365488	598250	7081551	185.6	12.4	12.1	139.6	995.2	723	13.1	0.7
1365489	598249	7081601	11.5	0.3	2.7	42.2	117.8	252	10.7	0.1
1365490	598252	7081501	8.9	0.3	0.6	24.5	43.1	163	5.5	0.1
1365491	598252	7081449	1.4	0.3	1.6	45.3	12.4	572	56.0	0.2
1365492	598153	7081448	4.7	0.3	0.9	22.6	26.4	97	13.6	0.1
1365493	598153	7081498	2.3	0.2	0.7	22.0	29.5	85	12.8	0.1
1365494	598152	7081545	4.0	0.2	1.1	32.5	21.3	118	27.1	0.3
1365495	598149	7081598	8.4	0.3	4.6	24.9	23.9	102	12.1	0.2
1365496	598147	7081647	10.2	0.1	1.2	32.0	57.4	134	16.9	0.1
1365497	598145	7081698	7.7	0.3	0.9	29.5	37.4	121	12.4	0.1
1365498	598143	7081749	16.2	0.7	1.7	44.7	28.2	247	7.0	0.2
1365499	598141	7081797	15.2	0.4	0.9	18.3	26.6	203	4.8	0.1
1365500	598139	7081847	14.5	0.3	1.0	40.1	37.4	108	6.6	0.2
1365676	598139	7081898	18.1	0.5	0.5	41.1	16.5	74	6.1	0.2
1365677	598136	7081949	15.5	0.2	0.7	27.6	17.1	93	2.6	0.1
1365678	598135	7081997	22.4	0.6	0.9	50.3	37.6	145	8.0	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1365679	598132	7082047	13.3	0.2	0.9	37.3	14.8	147	7.9	0.2
1365680	599953	7081511	6.6	0.2	1.1	39.1	8.3	88	4.8	0.1
1365681	599951	7081558	9.8	0.4	1.3	48.1	12.9	109	8.8	0.1
1365682	599948	7081609	15.0	0.3	0.8	34.6	7.2	43	21.5	0.6
1365683	599948	7081659	23.7	0.6	0.8	77.7	6.0	62	15.9	0.5
1365684	599946	7081710	42.2	0.6	0.5	11.7	5.2	56	10.8	0.5
1365685	599943	7081759	27.0	0.3	0.6	47.9	6.9	104	18.1	0.4
1365686	599942	7081809	19.1	0.3	1.0	25.7	5.9	48	16.2	0.4
1365687	599940	7081860	7.9	0.1	0.9	42.9	6.2	52	15.3	0.3
1365688	599939	7081910	6.2	0.2	1.7	64.0	8.7	50	12.2	0.7
1365689	599937	7081961	1.6	0.1	0.3	9.7	3.9	21	4.3	0.1
1365690	599935	7082008	13.9	0.2	0.7	43.0	7.6	51	20.3	0.5
1365691	599933	7082060	12.7	0.3	1.0	58.3	10.3	42	9.0	0.2
1365692	599933	7082110	4.8	0.3	0.6	86.4	8.4	39	8.1	0.3
1365693	599931	7082159	162.0	0.4	0.3	105.2	7.9	40	6.5	0.2
1365694	599830	7082156	15.2	2.1	0.3	374.7	11.1	48	7.5	0.9
1365695	599832	7082107	4.8	0.2	2.1	32.3	17.3	46	14.6	0.5
1365696	599833	7082057	8.2	0.2	0.2	104.1	8.4	61	6.9	0.2
1365697	599836	7082007	4.9	0.2	0.2	61.5	9.0	31	3.4	0.2
1365698	599837	7081956	39.9	0.3	1.9	54.6	8.7	69	24.7	1.4
1365699	599839	7081907	21.6	0.4	1.2	63.5	10.7	61	11.6	0.4
1365700	599841	7081857	21.5	0.3	1.3	39.1	9.0	48	21.3	0.7
1378002	598735	7081966	18.0	0.5	1.2	44.0	24.1	108	35.7	0.2
1378003	598737	7081916	53.7	0.2	1.1	33.4	18.3	101	40.9	0.2
1378004	598739	7081865	38.1	0.3	1.2	34.3	21.8	84	29.4	0.2
1378005	598741	7081817	29.9	0.3	0.6	30.7	16.4	98	38.2	0.1
1378006	598744	7081764	35.3	0.2	1.0	33.8	24.4	101	39.3	0.2
1378007	598745	7081717	11.6	0.2	0.7	33.0	18.5	114	24.1	0.2
1378008	598746	7081668	23.9	0.3	1.1	36.6	19.0	178	10.6	0.4
1378009	598748	7081616	62.3	0.6	0.6	132.1	7.6	80	9.7	0.6
1378010	598750	7081565	15.6	0.5	0.7	90.8	9.5	60	8.6	0.5
1378011	598753	7081515	1.0	0.2	0.8	23.0	12.2	78	7.9	0.1
1378012	598752	7081469	0.3	0.1	0.5	23.5	12.0	83	6.1	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1378013	598653	7081464	3.8	0.2	0.6	29.2	12.5	83	10.2	0.1
1378014	598647	7081514	11.1	0.4	0.5	25.0	11.0	91	29.4	0.2
1378015	598649	7081565	12.6	0.3	0.9	27.9	10.2	132	13.8	0.3
1378016	598650	7081616	2.1	0.3	0.4	36.1	227.4	238	11.1	0.4
1378017	598646	7081664	12.2	0.2	0.6	28.2	14.4	90	48.4	0.1
1378018	598643	7081716	15.7	0.2	0.3	20.7	8.3	82	50.1	0.1
1378019	598644	7081765	24.2	0.1	0.7	30.2	10.7	82	159.0	0.1
1378020	598641	7081816	8.3	0.1	0.9	24.1	14.7	73	21.2	0.2
1378021	598641	7081866	114.7	0.2	0.9	27.8	16.0	90	70.5	0.2
1378022	598640	7081916	44.3	0.2	1.2	32.3	16.5	97	94.0	0.2
1378023	598635	7081966	17.3	0.3	1.0	34.9	19.4	102	72.1	0.2
1378024	598634	7082017	320.5	0.3	1.2	31.7	20.6	84	38.2	0.1
1378025	598634	7082017	25.9	0.4	1.1	29.1	20.3	82	38.6	0.2
1378026	598635	7082065	10.5	0.5	2.5	43.8	33.2	181	143.3	0.3
1378027	598845	7081722	130.8	0.7	0.6	81.9	14.8	153	12.4	0.2
1378028	598842	7081671	235.0	0.9	0.7	127.0	14.1	70	9.6	0.3
1378029	598848	7081620	32.7	0.6	0.5	86.5	10.6	79	8.1	0.4
1378030	598851	7081572	11.2	0.3	0.6	20.9	26.9	95	10.5	0.2
1378031	598853	7081522	1.1	0.2	0.7	24.0	11.0	87	9.3	0.1
1378032	598854	7081473	5.1	0.2	0.4	35.0	17.0	94	32.9	0.2
1378033	599531	7082145	21.5	0.4	0.6	29.0	9.5	54	8.5	0.2
1378034	599531	7082097	19.5	0.2	0.7	38.7	24.3	79	9.0	0.1
1378035	599534	7082048	11.5	0.4	0.6	47.8	9.8	74	9.8	0.2
1378036	599538	7081996	4.8	0.3	0.8	26.5	9.9	53	7.6	0.2
1378037	599536	7081947	14.5	0.4	0.7	33.7	11.5	62	9.7	0.3
1378038	599539	7081898	16.3	0.5	0.7	43.5	10.5	76	9.4	0.4
1378039	599539	7081847	15.0	0.4	1.0	35.0	10.9	50	10.6	0.4
1378040	599543	7081797	17.5	0.5	0.4	54.7	13.1	67	11.1	0.3
1378041	599543	7081747	23.1	0.3	0.9	30.3	8.8	57	9.0	0.2
1378042	599544	7081696	44.6	0.3	0.6	40.4	6.3	63	8.6	0.2
1378043	599546	7081646	21.5	0.4	1.0	31.2	10.1	56	16.3	0.3
1378044	599548	7081596	9.1	0.3	1.3	19.6	8.7	55	10.4	0.3
1378045	599551	7081545	11.7	1.4	1.2	81.2	164.9	105	33.8	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1378046	599553	7081499	2.2	0.3	1.0	25.4	9.0	77	23.9	0.1
1378047	599454	7081492	22.6	0.5	2.2	20.9	18.0	94	90.8	0.1
1378048	599450	7081542	1.6	0.3	1.7	17.4	11.5	82	53.7	0.1
1378049	599451	7081594	15.0	0.5	0.9	25.2	7.6	54	10.8	0.4
1378050	599446	7081642	18.6	0.4	1.0	35.8	8.2	56	10.3	0.3
1378052	600416	7082577	53.8	0.2	0.4	22.6	7.5	55	7.5	0.3
1378053	600416	7082525	3.4	0.2	1.1	21.3	9.5	62	9.6	0.2
1378054	600419	7082475	5.4	0.1	0.8	20.6	8.3	52	8.9	0.1
1378055	600420	7082427	1.4	0.2	0.6	33.6	6.5	66	7.1	0.2
1378056	600421	7082376	56.3	0.2	0.2	32.7	3.0	54	8.6	0.1
1378057	600430	7082327	6.6	0.3	0.7	22.4	6.2	48	7.9	0.2
1378058	600427	7082225	11.4	0.7	0.7	29.3	7.8	53	13.9	0.5
1378059	600428	7082178	14.9	0.8	0.5	56.4	8.7	53	11.2	0.5
1378060	600429	7082127	32.3	1.2	0.6	62.8	9.4	49	30.2	0.8
1378061	600432	7082077	20.2	0.5	0.7	37.0	8.1	44	53.0	0.4
1378062	600434	7081977	25.3	2.0	1.0	39.8	15.5	45	36.3	3.1
1378063	600436	7081927	83.9	1.4	1.3	47.3	10.4	46	62.6	2.4
1378064	600439	7081876	21.6	1.1	0.9	46.6	9.8	53	36.1	1.3
1378065	600440	7081827	49.9	1.1	0.8	60.4	7.9	61	35.7	0.7
1378066	600443	7081776	16.7	1.1	0.9	94.1	7.3	59	16.8	0.5
1378067	600446	7081727	19.1	0.9	0.9	52.9	6.2	49	12.2	0.4
1378068	600354	7081526	8.6	0.1	1.2	16.2	6.5	38	10.2	0.4
1378069	600350	7081575	8.0	0.2	0.8	44.8	7.0	55	16.5	0.5
1378070	600351	7081624	14.5	1.0	0.7	180.1	8.5	80	16.4	0.6
1378071	600346	7081674	14.7	1.8	0.8	170.8	7.8	131	18.9	0.7
1378072	600345	7081725	13.1	1.2	0.8	115.6	8.1	78	11.1	0.5
1378073	600344	7081775	31.1	1.7	1.8	146.0	12.3	80	18.5	0.9
1378074	600342	7081824	9.3	1.0	0.7	99.5	6.9	79	10.9	0.5
1378075	600342	7081824	8.3	0.9	0.7	93.1	6.2	80	12.3	0.5
1378076	599445	7081692	8.5	0.4	0.8	34.0	8.7	53	8.0	0.3
1378077	599443	7081743	8.8	0.3	1.1	28.5	9.6	48	9.4	0.3
1378078	599441	7081791	11.8	0.2	0.9	25.8	15.7	90	14.0	0.4
1378079	599441	7081842	20.0	0.5	0.7	48.1	11.9	65	11.0	0.4

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1378080	599439	7081890	18.1	0.5	1.0	26.6	12.4	77	8.4	0.4
1378081	599435	7081943	11.6	0.2	0.6	29.0	9.5	63	10.2	0.2
1378082	599436	7081992	7.0	0.3	0.7	44.4	9.1	73	9.2	0.2
1378083	599433	7082043	18.2	0.5	0.7	53.9	9.0	78	10.6	0.2
1378084	599432	7082092	14.5	0.3	0.5	69.2	8.0	63	9.6	0.2
1378085	599427	7082141	16.4	0.4	0.5	78.0	10.5	63	12.2	0.2
1378086	599353	7081491	7.3	0.5	2.4	49.9	17.5	118	70.7	0.1
1378087	599350	7081538	1.3	0.3	2.3	28.2	7.9	85	28.8	0.1
1378088	599348	7081588	3.6	0.5	1.8	26.1	14.2	81	22.9	0.1
1378089	599345	7081687	36.6	1.0	0.7	50.8	14.7	88	14.0	0.4
1378090	599343	7081741	14.6	0.3	0.5	27.2	8.6	54	8.5	0.2
1378091	599346	7081788	39.4	0.5	0.6	62.2	17.0	96	15.0	0.4
1378092	599340	7081839	9.2	0.3	0.5	26.4	10.3	72	9.7	0.2
1378093	599339	7081891	18.4	0.5	0.5	58.4	16.1	84	8.2	0.1
1378094	599336	7081939	29.7	0.8	0.5	89.0	8.1	236	10.7	0.2
1378095	599335	7081988	30.2	0.9	0.5	116.1	9.0	203	8.5	0.2
1378096	599333	7082039	19.5	0.2	0.5	63.8	8.5	69	10.4	0.2
1378097	599331	7082091	14.1	0.3	0.9	48.7	18.0	108	10.8	0.2
1378098	599331	7082136	4.0	0.3	0.8	42.1	11.5	73	11.8	0.2
1378099	600412	7082676	9.1	0.2	0.7	27.2	7.1	60	8.3	0.2
1378100	600415	7082627	8.4	0.2	0.6	22.3	5.9	57	7.5	0.2
1378109	598532	7082060	6.7	0.2	1.1	27.3	13.9	88	67.3	0.1
1378110	598432	7082057	9.6	0.1	0.8	18.9	14.4	83	52.0	0.1
1378111	598435	7082007	12.3	0.1	0.7	27.7	9.1	86	63.9	0.1
1378112	598438	7081959	9.0	0.1	0.7	27.7	8.2	71	65.4	0.1
1378113	598437	7081908	9.1	0.1	0.6	20.9	11.8	96	58.1	0.1
1378114	598440	7081858	9.9	0.1	0.6	17.3	17.8	89	21.5	0.1
1378115	598442	7081808	5.9	0.2	1.3	32.4	12.1	81	25.1	0.1
1378116	598444	7081758	4.2	0.1	1.4	37.6	26.4	108	87.5	0.1
1378117	598446	7081708	5.9	0.4	1.5	38.6	70.3	245	56.2	0.2
1378118	598447	7081659	16.4	0.3	0.9	34.1	16.3	89	37.6	0.1
1378119	598450	7081559	14.7	0.5	0.4	24.7	10.4	104	35.8	0.1
1378120	598452	7081509	22.9	0.2	0.7	25.8	11.2	81	15.3	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1378121	598453	7081459	3.6	0.1	1.0	33.8	11.6	89	11.4	0.1
1378122	598353	7081454	31.1	1.0	2.1	74.9	53.9	252	17.7	0.4
1378123	598351	7081504	7.5	0.3	1.9	40.6	76.0	159	9.8	0.3
1378124	598351	7081554	8.5	0.2	0.4	30.9	10.7	76	4.4	0.1
1378125	598351	7081554	10.5	0.2	0.5	31.1	12.9	84	4.6	0.2
1378152	598348	7081604	22.9	0.6	0.8	41.8	22.1	179	5.3	0.2
1378153	598349	7081653	9.1	0.2	0.5	30.5	7.4	81	6.0	0.2
1378154	598344	7081703	4.7	0.2	0.7	19.7	11.7	68	6.2	0.1
1378155	597633	7082030	28.2	0.3	0.8	73.6	75.9	217	2.9	0.1
1378156	597635	7081981	9.0	0.5	1.4	25.6	16.2	60	13.2	0.2
1378157	597636	7081930	7.0	0.2	0.9	24.1	16.5	73	47.1	0.1
1378158	597639	7081879	1.9	0.6	1.1	16.2	11.1	60	17.7	0.1
1378160	597642	7081778	43.7	0.1	1.5	54.2	12.6	82	66.5	0.1
1378161	597639	7081831	4.5	0.3	0.8	21.0	10.6	65	18.5	0.1
1378162	599729	7082154	25.7	0.5	0.8	89.4	9.5	82	10.3	0.3
1378163	599732	7082104	7.5	0.5	1.1	54.6	12.5	71	8.5	0.2
1378164	599734	7082055	3.2	0.3	1.2	29.9	11.8	47	9.2	0.2
1378165	599736	7082003	11.7	0.2	1.0	60.4	10.1	56	11.1	0.3
1378166	599737	7081954	16.8	0.4	0.3	24.9	8.5	49	7.9	0.2
1378167	599739	7081904	20.8	1.0	0.9	100.5	9.0	77	13.7	0.4
1378168	599740	7081852	32.1	0.4	1.1	42.6	10.2	69	9.5	0.3
1378169	599743	7081803	10.0	0.3	0.8	32.0	12.8	56	10.0	0.4
1378170	599631	7082150	14.4	0.7	0.9	79.8	13.7	66	10.5	0.3
1378171	599632	7082102	4.8	0.3	0.9	37.0	11.4	60	9.2	0.2
1378172	599633	7082050	8.8	0.2	0.9	32.4	9.6	52	8.0	0.2
1378173	599636	7082000	6.8	0.2	0.9	40.1	13.4	51	8.4	0.2
1378174	599638	7081950	5.0	0.2	0.9	29.4	9.8	53	8.9	0.2
1378175	599638	7081950	5.1	0.2	0.9	32.2	10.5	55	9.4	0.2
1378176	599638	7081900	4.1	0.2	0.7	24.0	7.7	58	8.5	0.2
1378177	599642	7081850	4.3	0.3	0.7	32.8	10.3	53	8.4	0.2
1378178	599643	7081800	7.3	0.3	0.9	29.6	10.0	56	8.8	0.2
1378179	599645	7081750	20.4	0.4	0.7	54.8	9.0	62	10.4	0.2
1378180	599646	7081700	23.4	0.3	1.0	23.5	6.8	55	11.9	0.2

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1378181	599648	7081649	12.4	0.3	1.0	19.9	8.4	50	9.2	0.3
1378182	599649	7081599	27.3	0.8	1.7	62.8	13.4	107	24.2	0.4
1378183	599651	7081549	13.6	0.3	1.9	32.7	13.3	65	11.6	0.2
1378184	599653	7081500	4.4	0.3	1.0	17.4	13.3	76	25.2	0.1
1378185	599253	7081486	3.0	0.1	0.9	26.9	12.3	64	11.7	0.2
1378186	599252	7081534	2.2	0.3	0.8	28.8	13.3	82	21.2	0.2
1378187	599249	7081586	4.4	0.2	1.2	19.2	7.9	84	18.4	0.1
1378188	599248	7081635	15.0	0.5	4.7	20.7	64.3	140	31.5	0.2
1378189	599246	7081684	20.8	0.8	0.8	46.6	21.5	91	12.5	0.4
1378190	599241	7081737	85.5	1.3	1.3	89.4	16.2	86	12.8	0.4
1378191	599242	7081785	8.0	0.4	0.7	28.2	10.8	62	7.6	0.2
1379752	600338	7081875	24.5	1.7	0.7	62.5	10.5	61	25.8	2.2
1379753	600337	7081924	69.5	2.1	1.8	53.6	11.4	33	60.1	5.3
1379754	600335	7081975	26.8	1.6	1.1	61.1	12.0	54	64.8	1.8
1379755	600333	7082026	18.2	0.5	0.8	48.0	6.1	47	24.4	0.4
1379756	600331	7082075	20.6	0.5	0.7	43.2	6.4	55	49.9	0.4
1379757	600330	7082125	15.1	1.1	0.8	58.8	9.6	47	25.0	0.9
1379758	600329	7082173	21.0	0.5	0.7	52.9	6.6	52	19.0	0.4
1379926	600642	7081734	5.3	0.6	0.6	23.8	5.8	44	16.8	0.4
1379927	600643	7081784	8.4	0.4	0.9	18.4	5.7	37	35.3	0.3
1379928	600651	7081834	11.8	0.5	0.8	31.0	10.2	75	11.4	0.4
1379929	600655	7081884	5.8	0.2	0.9	21.8	7.1	51	8.2	0.1
1379930	600639	7081934	6.0	0.1	0.7	15.8	8.3	42	7.6	0.1
1379931	600637	7081984	4.5	0.1	1.0	21.9	13.4	48	8.7	0.2
1379932	600635	7082034	35.5	0.2	0.6	17.6	5.6	55	7.5	0.1
1379933	600633	7082084	38.5	0.1	0.8	15.7	7.2	46	8.8	0.1
1379934	600631	7082134	6.2	0.1	0.7	14.6	6.8	44	8.8	0.2
1379935	600629	7082184	4.0	0.1	0.3	26.2	2.4	56	5.2	0.2
1379936	600627	7082234	5.9	0.1	0.9	13.6	8.1	46	9.0	0.2
1397448	598054	7081445	5.0	0.4	1.4	21.7	9.2	69	21.7	0.1
1397449	598052	7081494	2.6	0.3	1.1	18.7	8.8	64	17.4	0.1
1397450	598050	7081543	15.6	0.2	1.1	24.4	10.2	69	18.4	0.1
1397452	598049	7081594	8.5	0.1	1.0	18.8	8.1	57	14.6	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1397453	598047	7081643	2.9	0.2	1.5	20.3	9.9	60	14.6	0.1
1397454	598044	7081693	6.6	0.2	1.0	23.7	10.2	58	20.9	0.1
1397455	598044	7081743	4.0	0.1	1.1	28.8	21.6	135	12.0	0.1
1397456	598042	7081795	8.6	0.6	1.3	40.6	220.8	135	10.4	0.1
1397457	598040	7081845	10.4	0.2	1.7	22.7	21.9	81	7.8	0.1
1397458	598038	7081895	480.1	0.4	1.3	48.1	34.5	103	8.1	0.2
1397459	598036	7081946	12.9	0.6	1.3	47.3	23.2	106	8.4	0.2
1397460	598033	7081994	11.4	0.8	0.6	58.1	7.9	64	6.2	0.2
1397461	598034	7082044	18.5	0.4	0.7	39.6	7.9	62	8.1	0.2
1397462	597932	7082040	12.9	0.8	0.6	48.6	8.3	60	5.8	0.2
1397463	597936	7081991	37.5	1.2	3.2	70.8	48.5	157	11.3	0.2
1397464	597936	7081940	19.3	0.4	2.7	57.6	109.7	201	10.5	0.4
1397465	597937	7081889	10.8	0.1	0.9	19.9	13.7	86	11.6	0.3
1397466	597940	7081841	4.5	0.1	0.6	22.3	11.9	67	12.7	0.2
1397467	597941	7081789	22.2	0.1	1.4	37.2	11.7	90	133.8	0.2
1397468	597942	7081742	3.0	0.2	1.0	25.7	10.3	65	22.0	0.1
1397469	597944	7081689	3.3	0.1	0.9	31.3	12.0	77	16.9	0.4
1397470	597947	7081641	5.3	0.1	1.0	21.8	9.2	63	17.9	0.2
1397471	597948	7081592	2.2	0.2	1.1	36.1	12.4	88	13.5	0.2
1397472	597949	7081539	1.7	0.2	1.1	23.1	11.4	69	14.3	0.1
1397473	597952	7081491	2.7	0.2	1.9	42.3	10.8	86	55.9	0.3
1397474	597953	7081440	12.6	0.2	1.5	37.9	11.0	84	20.2	0.2
1397475	597955	7081440	2.0	0.2	1.2	35.5	12.7	83	25.9	0.2
1397476	597854	7081438	1.4	0.1	0.9	23.1	9.5	69	10.7	0.1
1397477	597852	7081487	1.2	0.2	1.8	39.7	10.9	86	13.2	0.2
1397478	597849	7081534	1.8	0.2	1.6	32.6	9.9	85	13.4	0.1
1397479	597848	7081587	1.3	0.2	0.8	24.6	10.3	74	15.5	0.1
1397480	597848	7081635	3.8	0.2	0.7	22.3	10.0	78	20.0	0.1
1397481	597845	7081687	5.2	0.3	1.3	20.8	11.0	74	22.7	0.1
1397482	599031	7082128	22.8	0.2	1.2	32.1	21.2	90	20.5	0.1
1397483	599033	7082081	20.6	0.3	1.0	31.6	24.3	102	16.0	0.1
1397484	599033	7082030	15.7	0.3	0.9	26.7	14.0	77	12.3	0.1
1397485	599035	7081980	8.5	0.3	1.0	27.1	11.1	67	10.1	0.2

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1397486	599038	7081930	6.9	0.2	0.6	35.5	7.8	63	9.9	0.1
1397487	599038	7081879	212.4	0.8	0.3	104.3	8.1	91	10.8	0.3
1397488	599041	7081830	34.8	0.5	0.5	35.0	31.7	107	17.6	0.3
1397489	599044	7081780	18.1	0.6	0.9	31.1	28.6	144	9.1	0.5
1397490	599044	7081731	42.0	0.7	1.1	36.5	24.6	153	8.2	0.3
1397491	599045	7081680	40.4	0.9	0.8	44.0	24.4	167	9.8	0.3
1397492	599050	7081581	31.9	1.6	3.2	58.5	166.0	142	25.5	0.1
1397493	599052	7081530	3.4	0.1	0.6	21.1	10.3	68	11.1	0.1
1397494	599053	7081479	3.5	0.3	0.7	27.6	11.2	82	14.3	0.1
1397495	599153	7081483	3.5	0.3	1.0	27.2	15.4	65	16.4	0.1
1397496	599152	7081531	4.1	0.2	0.7	26.3	8.5	77	8.7	0.1
1397497	599149	7081581	1.5	0.2	1.1	18.5	10.4	73	13.3	0.1
1397498	599147	7081632	12.1	0.9	2.2	30.1	133.9	323	19.0	0.2
1397499	599145	7081731	16.9	1.1	0.5	38.3	23.4	117	8.8	0.2
1397500	599144	7081781	30.8	0.5	0.4	25.6	18.1	114	15.3	0.2
1399060	597845	7081740	3.3	0.2	1.7	39.8	17.1	87	15.5	0.1
1399061	597843	7081786	6.0	0.1	0.8	28.0	11.9	63	24.7	0.1
1399062	597843	7081837	5.4	0.1	0.7	40.3	10.8	75	71.7	0.1
1399063	597839	7081886	1.8	0.2	0.7	22.9	9.6	58	11.6	0.1
1399064	597838	7081937	9.1	0.1	1.1	26.1	10.3	73	17.5	0.1
1399065	597836	7081986	90.3	0.2	4.3	29.1	32.4	114	6.0	0.1
1399066	597833	7082034	156.4	1.1	17.0	131.1	104.6	329	7.1	0.2
1399067	597734	7082034	83.6	1.2	1.7	90.2	500.0	334	7.3	0.1
1399068	597736	7081986	8.6	0.3	1.8	19.0	18.9	65	8.9	0.2
1399069	597738	7081935	8.3	0.3	1.0	22.1	16.6	66	21.0	0.2
1399070	597738	7081887	6.0	0.2	0.6	29.3	10.1	63	15.8	0.1
1399071	597741	7081834	14.2	0.2	1.2	51.1	14.1	71	36.8	0.1
1399072	597745	7081785	5.6	0.3	0.9	20.7	10.1	63	17.9	0.1
1399073	597746	7081735	1.8	0.2	1.6	42.4	15.3	89	9.8	0.1
1399074	597746	7081683	11.0	0.1	0.9	37.1	12.5	82	33.1	0.1
1399075	597746	7081683	7.1	0.2	1.2	32.3	12.1	74	30.0	0.1
1399076	597754	7081434	1.1	0.2	1.0	22.8	9.5	65	20.0	0.1
1399077	597754	7081485	2.2	0.1	0.8	27.4	5.9	79	11.6	0.1

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1399078	597752	7081535	3.2	0.1	1.2	40.0	13.8	97	19.2	0.1
1399079	597748	7081584	2.2	0.2	1.5	35.5	15.8	86	15.7	0.2
1399080	597748	7081635	76.1	0.1	1.3	36.5	12.4	66	26.3	0.2
1399081	598953	7081474	3.8	0.2	0.6	19.8	9.9	80	18.2	0.2
1399082	598954	7081525	11.8	0.3	1.0	32.7	25.9	103	16.4	0.1
1399084	598950	7081575	11.1	0.5	0.9	33.4	63.6	249	5.9	0.2
1399085	598946	7081677	10.8	0.6	0.5	44.5	9.4	104	7.5	0.2
1399086	598945	7081725	10.2	0.5	0.8	38.5	13.2	89	6.8	0.2
1399087	598942	7081775	24.7	0.5	0.5	79.6	10.3	88	8.4	0.3
1399088	598940	7081826	9.7	0.2	0.4	53.0	6.7	77	8.5	0.2
1399089	598940	7081876	9.9	0.1	1.0	35.3	12.4	81	15.6	0.2
1399090	598937	7081927	77.9	0.4	1.1	34.1	26.6	89	15.1	0.2
1399091	598936	7081974	32.2	0.5	1.6	40.4	43.2	150	24.4	0.2
1399092	598936	7082025	21.9	0.3	1.1	33.3	26.2	108	30.8	0.2
1399093	598934	7082076	153.9	0.3	0.9	32.7	25.2	93	24.9	0.1
1399094	598931	7082125	8.3	0.3	1.3	32.1	20.8	70	23.8	0.1
1399095	597653	7081431	0.9	0.1	0.9	31.6	4.4	80	6.5	0.1
1399096	597649	7081479	3.2	0.1	1.3	35.5	9.6	82	11.6	0.1
1399097	600052	7081515	31.6	0.1	0.1	64.8	27.0	90	8.2	0.4
1399098	600049	7081563	13.5	0.6	0.2	26.6	38.0	564	5.6	0.3
1399099	600048	7081612	17.3	0.2	1.2	31.7	8.0	47	16.1	0.5
1399100	600046	7081663	77.5	0.6	1.4	72.2	5.8	92	124.3	0.7
1399102	600042	7081764	9.2	0.1	0.5	7.9	5.5	33	9.1	0.5
1399103	600039	7081864	6.7	0.3	0.5	65.8	6.9	63	8.8	0.3
1399104	600036	7081962	14.3	0.4	0.8	97.7	9.8	61	14.9	0.4
1399105	600033	7082063	8.9	0.2	0.7	45.9	7.1	47	8.7	0.2
1399106	600028	7082164	11.2	1.8	0.7	176.2	7.8	113	26.6	0.4
1399107	600133	7082118	15.8	1.4	0.8	145.0	11.5	154	38.4	1.2
1399108	600130	7082168	66.8	2.5	2.2	115.0	47.7	140	42.6	6.2
1399109	600134	7082069	14.5	1.1	0.3	210.4	10.7	117	27.7	0.7
1399110	600137	7082019	8.3	0.7	0.3	104.7	7.0	113	8.2	0.2
1399111	600137	7081968	26.3	1.6	0.6	340.1	6.9	55	32.9	0.9
1399112	600141	7081918	13.8	0.6	0.3	187.8	5.2	50	11.1	0.4

Sample No.	Easting	Northing	Au(ppb)	Ag(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Bi(ppm)
1399113	600140	7081868	7.2	0.5	0.4	94.3	4.1	72	7.5	0.2
1399114	600142	7081818	7.1	0.3	0.7	44.1	5.9	42	21.6	0.8
1399115	600146	7081767	9.0	0.4	0.6	49.2	9.4	48	15.9	0.7
1399116	600147	7081718	10.3	0.2	0.7	34.7	4.8	43	13.1	0.5
1399117	600148	7081668	9.8	0.1	0.9	38.5	8.0	37	14.4	0.3
1399118	600150	7081618	9.4	0.2	0.8	28.5	4.4	38	12.0	0.4
1399119	600152	7081568	46.6	0.3	0.6	49.6	5.0	54	11.8	0.4
1399120	600154	7081517	41.4	0.3	0.6	52.5	7.3	61	14.9	0.4
1399121	600252	7081521	42.6	0.4	1.1	29.3	5.2	36	9.1	0.4
1399122	600250	7081569	5.7	0.6	0.8	61.5	5.7	36	14.9	0.9
1399123	600249	7081619	12.5	0.3	0.9	58.7	5.6	46	24.3	0.8
1399124	600248	7081669	8.3	1.2	1.0	124.3	8.7	85	40.8	1.5
1399125	600248	7081669	12.6	1.2	1.3	113.5	8.7	76	43.2	1.6
1399126	600244	7081720	10.4	1.6	0.4	294.2	6.0	48	22.1	0.5
1399127	600243	7081769	35.6	0.8	1.6	331.4	5.0	81	17.8	0.6
1399128	600243	7081820	7.4	1.3	0.4	211.4	10.4	108	11.8	0.7
1399129	600240	7081869	15.2	1.5	0.7	163.6	13.5	56	24.3	2.5
1399130	600238	7081919	91.4	1.2	0.9	148.3	11.6	132	42.8	0.8
1399131	600234	7081971	93.0	2.8	0.9	89.8	18.9	44	199.1	2.5
1399132	600235	7082019	17.0	3.0	1.0	66.2	19.1	69	45.0	7.8
1399133	600230	7082170	71.1	0.7	1.4	39.3	6.9	23	112.9	0.8
1399134	600231	7082120	33.2	0.8	1.5	62.6	7.0	34	26.5	0.9
1399135	600233	7082070	15.2	1.1	0.6	75.6	11.9	68	22.6	1.8
1399742	598842	7081770	13.3	0.4	1.1	65.4	20.9	163	20.0	0.2
1399743	598843	7081821	18.4	0.3	1.1	38.8	28.2	132	25.3	0.2
1399744	598840	7081870	85.3	0.3	1.4	36.0	27.8	116	25.1	0.2
1399745	598835	7081921	21.5	0.4	1.4	38.9	43.4	119	47.7	0.2
1399746	598837	7081972	21.8	0.4	1.0	40.1	30.1	105	42.3	0.2
1399747	598835	7082022	14.6	0.2	0.8	29.2	15.6	88	22.9	0.2
1399748	598831	7082068	16.0	0.4	1.1	40.9	20.8	101	32.6	0.2
1399749	598732	7082067	11.9	0.2	0.9	32.8	18.8	102	35.6	0.2
1399750	598730	7082016	13.7	0.3	0.9	37.8	20.7	100	33.5	0.2

Appendix IV
Assay Certificates – Sophie Grid

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
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Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: July 10, 2013
Report Date: July 26, 2013
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI13000111.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD-Soil2013-001
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	315	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
CANADA

CC: Isaac Fage
John Brock

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
Country Manager - Canada

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

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1365471	Soil		0.5	10.7	13.2	68	<0.1	8.5	5.3	437	1.86	6.5	0.5	5.0	5.5	9	0.3	0.2	0.2	20	0.17	0.044
1365472	Soil		0.5	17.6	11.8	71	0.1	8.9	6.5	357	2.43	2.8	0.4	2.5	6.4	8	0.1	0.3	0.2	23	0.13	0.044
1365473	Soil		0.7	21.7	20.7	81	0.3	13.0	11.6	700	2.90	5.9	0.6	7.5	3.8	13	0.4	0.3	0.1	40	0.24	0.059
1365474	Soil		0.4	16.7	16.1	62	0.1	6.0	6.2	471	1.86	3.3	0.5	6.2	8.1	9	0.1	0.1	0.1	17	0.15	0.044
1365475	Soil		0.4	23.1	13.8	71	0.1	8.6	8.8	426	2.63	3.3	0.6	78.9	6.4	10	0.1	0.2	0.1	25	0.19	0.055
1365476	Soil		2.7	48.8	21.8	163	0.2	37.7	19.1	844	3.14	4.9	1.9	30.4	8.7	15	1.3	0.3	0.1	19	0.34	0.136
1365477	Soil		1.8	6.5	12.8	55	0.4	3.6	3.3	66	2.41	8.4	1.1	18.9	3.7	16	0.2	0.4	0.4	6	0.01	0.034
1365478	Soil		1.0	20.5	16.5	69	0.2	19.2	9.6	359	2.80	59.8	0.8	8.8	3.6	17	0.2	0.5	0.1	41	0.20	0.045
1365479	Soil		1.0	48.5	27.1	140	0.7	15.8	11.4	502	3.50	10.1	0.9	14.4	4.0	14	0.6	0.6	0.3	48	0.14	0.035
1365480	Soil		0.4	60.9	36.7	142	0.3	17.3	19.1	1128	5.03	6.0	0.6	22.9	3.4	9	0.7	0.3	0.1	78	0.27	0.072
1365481	Soil		1.3	38.9	38.0	113	0.8	19.8	13.8	810	3.40	7.0	0.7	17.8	7.7	18	0.5	0.4	0.1	34	0.24	0.061
1365482	Soil		0.7	26.9	31.1	106	0.3	11.8	11.9	533	3.37	9.3	0.4	63.4	4.1	12	0.3	0.3	0.1	40	0.28	0.072
1365483	Soil		0.9	26.6	54.2	122	0.3	16.3	10.2	405	3.31	9.2	0.4	11.0	3.5	13	0.2	0.4	0.1	52	0.23	0.030
1365484	Soil		0.6	34.2	19.4	88	0.3	23.3	18.9	1063	4.06	6.8	0.5	7.2	2.0	11	0.4	0.3	0.2	57	0.39	0.065
1365485	Soil		0.6	39.7	13.9	83	0.2	18.7	13.8	732	4.17	5.5	0.4	9.7	2.0	12	0.2	0.3	0.1	59	0.29	0.058
1365486	Soil		1.6	30.7	21.4	125	0.4	17.8	11.6	471	3.45	7.9	0.8	65.7	3.0	12	0.5	0.4	0.2	54	0.14	0.040
1365487	Soil		1.4	43.7	23.6	190	0.7	13.0	19.8	1693	4.36	7.3	0.9	20.8	2.1	16	2.4	0.4	<0.1	54	0.29	0.070
1365488	Soil		12.1	139.6	995.2	723	12.4	12.1	7.1	356	4.16	13.1	4.1	185.6	6.6	80	8.5	8.0	0.7	25	0.15	0.092
1365489	Soil		2.7	42.2	117.8	252	0.3	14.4	11.8	442	3.91	10.7	1.3	11.5	4.8	15	0.9	0.5	<0.1	51	0.17	0.050
1365490	Soil		0.6	24.5	43.1	163	0.3	15.8	6.9	272	1.39	5.5	1.9	8.9	13.2	15	1.2	1.1	<0.1	16	0.33	0.137
1365491	Soil		1.6	45.3	12.4	572	0.3	34.0	15.2	1065	3.13	56.0	1.2	1.4	7.4	15	5.7	0.5	0.2	36	0.36	0.111
1365492	Soil		0.9	22.6	26.4	97	0.3	16.9	8.4	324	2.86	13.6	0.7	4.7	3.3	15	0.1	0.5	<0.1	43	0.22	0.049
1365493	Soil		0.7	22.0	29.5	85	0.2	16.2	8.4	290	2.84	12.8	0.8	2.3	4.8	20	0.2	0.3	<0.1	36	0.31	0.073
1365494	Soil		1.1	32.5	21.3	118	0.2	22.6	9.4	363	2.68	27.1	0.9	4.0	6.0	16	0.6	0.3	0.3	34	0.27	0.076
1365495	Soil		4.6	24.9	23.9	102	0.3	16.5	10.0	366	3.14	12.1	1.9	8.4	4.4	20	0.4	0.8	0.2	46	0.20	0.049
1365496	Soil		1.2	32.0	57.4	134	0.1	18.9	8.9	323	3.05	16.9	1.0	10.2	4.4	16	0.3	0.6	0.1	52	0.17	0.023
1365497	Soil		0.9	29.5	37.4	121	0.3	16.6	9.8	373	3.24	12.4	1.2	7.7	3.9	24	0.4	0.5	0.1	44	0.21	0.049
1365498	Soil		1.7	44.7	28.2	247	0.7	31.5	20.9	1055	4.68	7.0	0.8	16.2	1.7	18	1.8	0.5	0.2	71	0.28	0.052
1365499	Soil		0.9	18.3	26.6	203	0.4	9.0	13.0	535	3.93	4.8	0.7	15.2	3.5	14	1.2	0.3	<0.1	38	0.31	0.069
1365500	Soil		1.0	40.1	37.4	108	0.3	25.2	11.3	477	3.80	6.6	0.7	14.5	3.1	16	0.2	0.5	0.2	59	0.20	0.025

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1365471	Soil	18	14	0.92	177	0.012	1	1.25	0.003	0.03	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1365472	Soil	27	13	1.27	177	0.009	1	1.69	0.003	0.04	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1365473	Soil	15	22	1.22	241	0.016	2	1.72	0.005	0.03	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
1365474	Soil	33	9	1.11	179	0.005	<1	1.40	0.002	0.04	<0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1365475	Soil	26	11	1.43	201	0.006	<1	1.74	0.002	0.04	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
1365476	Soil	22	21	0.76	559	0.003	1	1.13	0.003	0.07	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
1365477	Soil	10	3	0.25	228	0.002	1	0.50	0.041	0.07	<0.1	0.02	1.3	<0.1	0.22	1	<0.5	<0.2
1365478	Soil	16	28	0.82	381	0.030	<1	1.61	0.007	0.05	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1365479	Soil	16	23	1.29	378	0.022	1	2.03	0.006	0.03	<0.1	0.05	5.2	<0.1	<0.05	5	<0.5	<0.2
1365480	Soil	12	21	2.30	278	0.006	<1	2.99	0.006	0.03	<0.1	0.04	12.0	<0.1	<0.05	8	<0.5	<0.2
1365481	Soil	31	24	1.33	362	0.013	<1	1.97	0.006	0.06	<0.1	0.09	3.7	<0.1	<0.05	5	<0.5	<0.2
1365482	Soil	16	16	1.47	197	0.010	2	2.05	0.004	0.04	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1365483	Soil	14	25	1.20	302	0.016	<1	2.14	0.006	0.04	0.1	0.10	4.4	<0.1	<0.05	6	<0.5	<0.2
1365484	Soil	9	38	1.76	207	0.012	<1	2.33	0.004	0.02	<0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
1365485	Soil	7	28	1.58	357	0.015	3	2.32	0.004	0.03	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
1365486	Soil	11	29	1.30	361	0.034	<1	2.14	0.005	0.03	0.1	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
1365487	Soil	9	11	1.63	438	0.011	<1	2.33	0.004	0.03	<0.1	0.13	5.9	<0.1	<0.05	6	<0.5	<0.2
1365488	Soil	40	13	1.05	222	0.060	<1	1.52	0.019	0.07	<0.1	>50	3.7	<0.1	0.17	4	5.6	<0.2
1365489	Soil	16	20	1.33	262	0.025	<1	2.05	0.006	0.03	<0.1	0.33	4.8	<0.1	<0.05	5	<0.5	<0.2
1365490	Soil	34	10	0.55	248	0.049	<1	0.87	0.002	0.06	<0.1	0.76	1.2	<0.1	<0.05	2	<0.5	<0.2
1365491	Soil	27	25	1.22	154	0.040	<1	1.58	0.003	0.02	<0.1	0.45	5.4	<0.1	<0.05	5	<0.5	<0.2
1365492	Soil	12	28	1.29	236	0.050	<1	1.78	0.004	0.04	<0.1	0.76	3.7	<0.1	<0.05	5	<0.5	<0.2
1365493	Soil	12	24	1.05	229	0.057	1	1.55	0.005	0.05	<0.1	0.87	3.8	<0.1	<0.05	5	<0.5	<0.2
1365494	Soil	16	19	0.83	235	0.043	1	1.29	0.003	0.04	<0.1	0.44	3.6	<0.1	<0.05	4	<0.5	<0.2
1365495	Soil	14	27	0.79	302	0.052	1	1.51	0.009	0.04	<0.1	0.34	4.0	<0.1	<0.05	4	<0.5	<0.2
1365496	Soil	15	28	1.04	274	0.044	<1	1.89	0.008	0.04	0.1	0.35	4.9	<0.1	<0.05	5	<0.5	<0.2
1365497	Soil	14	23	1.02	519	0.040	<1	1.63	0.008	0.04	0.1	0.18	4.7	<0.1	<0.05	5	<0.5	<0.2
1365498	Soil	6	49	2.21	422	0.022	1	2.84	0.006	0.03	<0.1	0.19	7.6	<0.1	<0.05	7	<0.5	<0.2
1365499	Soil	13	10	1.53	419	0.010	<1	2.07	0.005	0.02	<0.1	0.10	4.4	<0.1	<0.05	6	<0.5	<0.2
1365500	Soil	11	44	1.59	703	0.023	<1	2.34	0.008	0.04	<0.1	0.11	6.7	<0.1	<0.05	6	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1365676	Soil		0.5	41.1	16.5	74	0.5	23.5	15.8	779	3.38	6.1	0.7	18.1	1.9	15	0.4	0.3	0.2	54	0.49	0.055
1365677	Soil		0.7	27.6	17.1	93	0.2	6.4	11.1	892	3.71	2.6	0.6	15.5	6.6	11	0.1	0.3	0.1	30	0.36	0.080
1365678	Soil		0.9	50.3	37.6	145	0.6	22.5	12.3	527	3.62	8.0	0.9	22.4	3.7	12	0.3	0.4	0.1	52	0.31	0.032
1365679	Soil		0.9	37.3	14.8	147	0.2	26.5	16.5	931	4.13	7.9	0.5	13.3	3.3	6	0.5	0.3	0.2	53	0.09	0.025
1399095	Soil		0.9	31.6	4.4	80	0.1	20.8	10.2	424	3.60	6.5	0.5	0.9	1.2	14	0.1	0.4	<0.1	47	0.17	0.048
1399096	Soil		1.3	35.5	9.6	82	0.1	27.2	12.2	459	3.56	11.6	1.0	3.2	4.4	14	<0.1	0.3	<0.1	46	0.23	0.057
1399097	Soil		0.1	64.8	27.0	90	<0.1	11.5	25.0	1763	4.48	8.2	0.9	31.6	5.1	4	1.7	0.2	0.4	64	0.13	0.065
1399098	Soil		0.2	26.6	38.0	564	0.6	5.5	1.1	573	4.51	5.6	0.3	13.5	2.6	13	0.1	0.3	0.3	52	0.03	0.058
1399099	Soil		1.2	31.7	8.0	47	0.2	6.7	17.9	718	4.77	16.1	0.8	17.3	4.8	4	<0.1	0.4	0.5	35	0.07	0.083
1399100	Soil		1.4	72.2	5.8	92	0.6	3.6	19.2	1188	6.20	124.3	0.6	77.5	3.2	7	0.1	0.4	0.7	31	0.30	0.147
1399101	Rock Pulp		1.1	420.3	21.7	164	0.2	201.7	74.2	813	14.91	2.8	1.2	27.3	7.4	16	<0.1	0.4	0.2	203	0.30	0.043
1399102	Soil		0.5	7.9	5.5	33	0.1	6.0	12.9	794	3.30	9.1	1.9	9.2	7.5	6	<0.1	<0.1	0.5	11	0.03	0.068
1399103	Soil		0.5	65.8	6.9	63	0.3	30.4	22.3	1732	3.85	8.8	0.5	6.7	1.8	8	0.2	0.7	0.3	55	0.16	0.065
1399104	Soil		0.8	97.7	9.8	61	0.4	13.2	15.7	798	3.48	14.9	0.7	14.3	1.8	8	0.1	0.7	0.4	54	0.10	0.036
1399105	Soil		0.7	45.9	7.1	47	0.2	20.1	18.7	802	3.42	8.7	0.6	8.9	2.2	9	0.1	0.5	0.2	58	0.16	0.026
1399106	Soil		0.7	176.2	7.8	113	1.8	13.5	23.1	982	4.89	26.6	0.8	11.2	2.7	7	0.3	0.8	0.4	64	0.16	0.046
1378162	Soil		0.8	89.4	9.5	82	0.5	21.0	26.4	1119	4.56	10.3	0.5	25.7	3.2	10	0.2	0.6	0.3	75	0.19	0.041
1378163	Soil		1.1	54.6	12.5	71	0.5	26.7	20.1	867	3.46	8.5	0.8	7.5	2.9	21	0.2	0.5	0.2	70	0.49	0.037
1378164	Soil		1.2	29.9	11.8	47	0.3	23.7	15.1	743	2.90	9.2	0.7	3.2	2.1	20	<0.1	0.5	0.2	62	0.35	0.034
1378165	Soil		1.0	60.4	10.1	56	0.2	25.3	19.3	763	3.68	11.1	0.7	11.7	3.2	13	<0.1	0.7	0.3	62	0.14	0.030
1378166	Soil		0.3	24.9	8.5	49	0.4	21.3	43.5	1395	5.96	7.9	0.4	16.8	1.1	6	<0.1	0.7	0.2	87	0.13	0.039
1378167	Soil		0.9	100.5	9.0	77	1.0	7.2	29.6	1384	5.22	13.7	0.6	20.8	1.7	11	0.2	0.7	0.4	53	0.25	0.069
1378168	Soil		1.1	42.6	10.2	69	0.4	24.0	15.3	633	3.31	9.5	0.6	32.1	3.2	19	0.1	0.9	0.3	54	0.39	0.062
1378169	Soil		0.8	32.0	12.8	56	0.3	19.5	15.4	786	3.10	10.0	0.7	10.0	2.9	20	0.3	0.4	0.4	50	0.38	0.065
1378170	Soil		0.9	79.8	13.7	66	0.7	22.6	16.9	684	3.02	10.5	1.2	14.4	3.0	22	0.2	0.6	0.3	60	0.57	0.057
1378171	Soil		0.9	37.0	11.4	60	0.3	21.6	13.4	863	2.74	9.2	0.9	4.8	2.5	35	0.2	0.7	0.2	56	0.73	0.053
1378172	Soil		0.9	32.4	9.6	52	0.2	19.9	13.0	647	2.62	8.0	0.8	8.8	2.0	31	0.3	0.5	0.2	56	0.60	0.050
1378173	Soil		0.9	40.1	13.4	51	0.2	28.9	17.5	1122	2.92	8.4	0.8	6.8	2.2	33	0.3	0.6	0.2	56	0.80	0.052
1378174	Soil		0.9	29.4	9.8	53	0.2	26.0	13.8	564	2.74	8.9	1.0	5.0	2.9	31	<0.1	0.6	0.2	52	0.61	0.054
1378175	Soil		0.9	32.2	10.5	55	0.2	25.7	13.4	498	2.76	9.4	1.1	5.1	3.1	32	<0.1	0.7	0.2	54	0.59	0.056

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Project: KSD
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CERTIFICATE OF ANALYSIS WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1365676	Soil	10	38	1.43	288	0.013	1	2.11	0.005	0.02	0.2	0.07	6.4	<0.1	<0.05	5	<0.5	<0.2
1365677	Soil	24	6	1.52	255	0.004	<1	2.21	0.005	0.04	<0.1	0.09	3.8	<0.1	<0.05	6	<0.5	<0.2
1365678	Soil	13	37	1.46	309	0.014	2	2.32	0.006	0.03	0.2	0.15	6.2	<0.1	<0.05	6	0.9	<0.2
1365679	Soil	12	41	1.83	238	0.012	<1	2.41	0.003	0.03	<0.1	0.07	6.6	<0.1	<0.05	6	<0.5	<0.2
1399095	Soil	3	36	1.56	113	0.076	1	2.03	0.002	0.04	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1399096	Soil	13	27	1.49	193	0.073	<1	1.91	0.004	0.05	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
1399097	Soil	20	11	2.08	109	0.003	<1	2.68	0.002	0.03	<0.1	0.04	11.4	<0.1	<0.05	6	<0.5	<0.2
1399098	Soil	9	8	2.50	344	0.003	<1	2.53	0.053	0.13	<0.1	0.42	4.8	<0.1	0.46	7	1.5	<0.2
1399099	Soil	13	8	1.08	79	0.011	<1	1.93	0.002	0.03	<0.1	0.02	4.1	<0.1	<0.05	5	0.8	<0.2
1399100	Soil	8	2	1.00	132	0.003	<1	1.69	0.004	0.03	<0.1	0.03	6.7	<0.1	0.05	5	1.3	<0.2
1399101	Rock Pulp	18	630	0.14	141	0.164	4	4.10	0.015	0.07	<0.1	0.04	41.3	<0.1	<0.05	19	<0.5	<0.2
1399102	Soil	23	5	1.04	76	0.002	<1	1.20	0.003	0.02	<0.1	0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
1399103	Soil	8	68	1.73	109	0.035	<1	2.27	0.002	0.02	<0.1	0.06	7.4	<0.1	<0.05	5	<0.5	<0.2
1399104	Soil	10	22	0.96	102	0.049	2	1.99	0.005	0.03	0.1	0.07	4.0	<0.1	<0.05	5	<0.5	0.2
1399105	Soil	10	26	1.18	161	0.045	<1	2.05	0.006	0.03	<0.1	0.04	7.3	<0.1	<0.05	5	<0.5	<0.2
1399106	Soil	13	13	1.84	131	0.009	<1	2.48	0.003	0.02	<0.1	0.07	8.2	<0.1	<0.05	6	0.7	<0.2
1378162	Soil	12	23	1.47	200	0.027	<1	2.06	0.007	0.03	0.1	0.04	10.5	<0.1	<0.05	6	<0.5	<0.2
1378163	Soil	13	42	1.01	444	0.038	1	2.27	0.010	0.03	0.1	0.05	7.9	<0.1	<0.05	6	<0.5	<0.2
1378164	Soil	13	45	0.85	352	0.034	<1	1.95	0.008	0.03	0.1	0.04	6.0	<0.1	<0.05	6	<0.5	<0.2
1378165	Soil	13	46	1.17	222	0.043	<1	2.15	0.007	0.03	<0.1	0.03	8.2	<0.1	<0.05	5	<0.5	<0.2
1378166	Soil	6	26	2.25	345	0.041	<1	2.58	0.003	<0.01	<0.1	0.05	13.6	<0.1	<0.05	6	<0.5	0.2
1378167	Soil	11	6	1.42	75	0.043	<1	2.08	0.006	0.03	<0.1	0.03	8.6	<0.1	<0.05	4	0.7	0.3
1378168	Soil	13	35	1.07	232	0.038	1	1.79	0.010	0.03	0.1	0.04	6.3	<0.1	<0.05	4	<0.5	<0.2
1378169	Soil	14	28	1.02	290	0.030	<1	1.82	0.008	0.04	0.2	0.03	5.5	<0.1	<0.05	5	0.6	<0.2
1378170	Soil	13	28	0.96	310	0.029	<1	1.86	0.010	0.03	0.2	0.05	7.4	<0.1	<0.05	5	<0.5	<0.2
1378171	Soil	13	29	0.72	388	0.032	<1	1.74	0.013	0.04	0.2	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
1378172	Soil	12	33	0.70	314	0.030	<1	1.64	0.011	0.04	0.1	0.05	4.6	<0.1	<0.05	5	<0.5	<0.2
1378173	Soil	13	44	0.94	395	0.025	<1	1.85	0.010	0.03	0.2	0.03	6.9	<0.1	<0.05	5	<0.5	<0.2
1378174	Soil	14	33	0.80	407	0.034	<1	1.63	0.012	0.04	0.2	0.04	5.7	<0.1	<0.05	4	<0.5	<0.2
1378175	Soil	15	34	0.77	431	0.037	<1	1.68	0.013	0.04	0.2	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1378176	Soil	0.7	24.0	7.7	58	0.2	19.1	11.6	752	2.59	8.5	0.6	4.1	2.6	30	0.2	0.6	0.2	48	0.70	0.058
1378177	Soil	0.7	32.8	10.3	53	0.3	19.4	13.5	733	2.69	8.4	0.8	4.3	2.3	28	0.2	0.7	0.2	49	0.62	0.063
1378178	Soil	0.9	29.6	10.0	56	0.3	18.9	15.2	824	2.81	8.8	0.8	7.3	2.0	26	0.3	0.5	0.2	48	0.70	0.075
1378179	Soil	0.7	54.8	9.0	62	0.4	16.5	20.0	876	3.88	10.4	0.8	20.4	3.0	17	0.3	0.5	0.2	50	0.54	0.084
1378180	Soil	1.0	23.5	6.8	55	0.3	10.2	13.8	757	3.26	11.9	0.7	23.4	3.4	12	0.1	0.3	0.2	33	0.17	0.067
1378181	Soil	1.0	19.9	8.4	50	0.3	13.8	9.6	382	2.57	9.2	0.8	12.4	2.0	21	<0.1	0.5	0.3	35	0.37	0.064
1378182	Soil	1.7	62.8	13.4	107	0.8	11.2	12.5	776	3.32	24.2	1.0	27.3	3.1	33	0.6	0.3	0.4	22	0.61	0.096
1378183	Soil	1.9	32.7	13.3	65	0.3	18.5	10.7	389	2.61	11.6	0.9	13.6	2.6	21	0.3	0.4	0.2	36	0.56	0.083
1378184	Soil	1.0	17.4	13.3	76	0.3	16.6	9.5	366	3.06	25.2	0.7	4.4	3.1	19	0.1	0.2	<0.1	47	0.31	0.073
1378185	Soil	0.9	26.9	12.3	64	<0.1	18.1	9.1	329	2.68	11.7	1.0	3.0	0.7	11	0.4	0.2	0.2	51	0.14	0.057
1378186	Soil	0.8	28.8	13.3	82	0.3	26.3	13.9	383	3.38	21.2	0.8	2.2	2.2	16	0.1	0.3	0.2	61	0.22	0.050
1378187	Soil	1.2	19.2	7.9	84	0.2	17.8	13.9	592	2.90	18.4	0.6	4.4	1.8	32	0.2	0.2	<0.1	50	0.62	0.075
1378188	Soil	4.7	20.7	64.3	140	0.5	16.2	38.6	1326	4.30	31.5	0.4	15.0	2.2	26	0.3	0.6	0.2	45	0.47	0.091
1378189	Soil	0.8	46.6	21.5	91	0.8	16.5	24.3	817	4.18	12.5	0.8	20.8	2.9	23	0.7	0.5	0.4	38	0.38	0.060
1378190	Soil	1.3	89.4	16.2	86	1.3	18.6	29.6	1325	5.60	12.8	0.4	85.5	1.9	9	0.3	0.5	0.4	63	0.39	0.052
1378191	Soil	0.7	28.2	10.8	62	0.4	17.1	12.6	693	2.90	7.6	0.6	8.0	1.2	42	0.2	0.4	0.2	47	1.08	0.047
1365688	Soil	1.7	64.0	8.7	50	0.2	36.6	42.2	2359	4.18	12.2	0.7	6.2	1.9	2	0.1	0.6	0.7	40	0.06	0.044
1365689	Soil	0.3	9.7	3.9	21	<0.1	34.0	14.7	700	2.73	4.3	0.2	1.6	1.1	4	<0.1	0.2	<0.1	78	0.08	0.033
1365690	Soil	0.7	43.0	7.6	51	0.2	8.5	18.0	1446	3.50	20.3	0.6	13.9	3.8	4	0.1	0.6	0.5	21	0.12	0.082
1365691	Soil	1.0	58.3	10.3	42	0.3	26.8	28.2	1076	4.52	9.0	0.5	12.7	2.4	3	<0.1	0.8	0.2	58	0.05	0.032
1365680	Soil	1.1	39.1	8.3	88	0.2	11.7	17.0	504	4.56	4.8	0.9	6.6	4.6	6	<0.1	0.3	0.1	60	0.13	0.060
1365681	Soil	1.3	48.1	12.9	109	0.4	26.1	21.4	464	2.98	8.8	1.3	9.8	2.0	10	1.1	0.3	0.1	37	0.19	0.068
1365682	Soil	0.8	34.6	7.2	43	0.3	3.8	20.1	1714	5.38	21.5	1.0	15.0	4.6	4	0.2	0.4	0.6	23	0.16	0.107
1365683	Soil	0.8	77.7	6.0	62	0.6	4.5	25.1	1554	5.42	15.9	1.2	23.7	3.4	5	<0.1	0.3	0.5	31	0.17	0.123
1365684	Soil	0.5	11.7	5.2	56	0.6	8.7	14.2	665	3.73	10.8	1.3	42.2	5.4	3	0.3	0.2	0.5	10	0.09	0.075
1365685	Soil	0.6	47.9	6.9	104	0.3	4.2	21.5	1222	4.63	18.1	0.5	27.0	4.6	4	0.6	0.6	0.4	25	0.15	0.087
1365686	Soil	1.0	25.7	5.9	48	0.3	5.6	15.0	797	4.36	16.2	0.9	19.1	3.8	3	0.2	0.7	0.4	18	0.05	0.066
1365687	Soil	0.9	42.9	6.2	52	0.1	7.4	14.7	499	4.14	15.3	0.6	7.9	2.8	4	0.1	1.2	0.3	22	0.05	0.050
1264891	Soil	0.8	24.4	9.6	47	0.1	9.7	13.4	672	4.03	21.1	0.9	17.1	3.6	9	0.1	0.9	0.3	26	0.19	0.074
1264892	Soil	1.1	34.4	9.4	67	0.4	17.3	15.2	905	3.54	14.0	1.0	12.9	3.8	21	0.2	0.6	0.3	40	0.39	0.074

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1378176	Soil	12	24	0.70	294	0.037	<1	1.45	0.012	0.05	0.3	0.07	4.3	<0.1	<0.05	4	<0.5	<0.2
1378177	Soil	13	26	0.73	341	0.035	<1	1.56	0.012	0.04	0.2	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
1378178	Soil	11	29	0.91	240	0.024	<1	1.61	0.009	0.03	0.1	0.03	5.0	<0.1	<0.05	4	0.5	<0.2
1378179	Soil	14	26	1.08	174	0.010	<1	1.94	0.005	0.02	<0.1	0.03	7.9	<0.1	<0.05	5	0.6	<0.2
1378180	Soil	15	12	0.95	217	0.017	<1	1.59	0.007	0.03	<0.1	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
1378181	Soil	12	19	0.61	228	0.021	<1	1.29	0.010	0.03	0.2	0.02	3.0	<0.1	<0.05	4	0.6	<0.2
1378182	Soil	12	12	0.77	200	0.010	<1	1.15	0.008	0.04	<0.1	0.03	3.2	<0.1	<0.05	3	0.8	0.2
1378183	Soil	13	25	1.00	200	0.016	<1	1.52	0.008	0.03	0.1	0.03	3.3	<0.1	<0.05	4	1.1	<0.2
1378184	Soil	10	32	1.70	138	0.025	<1	1.90	0.003	0.05	<0.1	0.02	5.2	<0.1	<0.05	6	0.7	<0.2
1378185	Soil	15	33	1.05	170	0.027	<1	1.73	0.005	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1378186	Soil	14	39	1.46	258	0.022	<1	2.25	0.006	0.06	<0.1	0.03	5.5	<0.1	<0.05	7	0.5	<0.2
1378187	Soil	8	37	1.74	152	0.019	1	1.82	0.004	0.04	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1378188	Soil	8	27	1.54	161	0.010	2	1.66	0.003	0.02	<0.1	0.25	3.8	<0.1	<0.05	5	0.7	<0.2
1378189	Soil	12	21	1.58	225	0.006	<1	1.88	0.008	0.02	<0.1	0.05	6.1	<0.1	0.08	4	1.2	<0.2
1378190	Soil	6	20	1.80	238	0.003	<1	2.11	0.004	0.01	<0.1	0.05	10.1	<0.1	0.17	5	1.7	<0.2
1378191	Soil	8	29	0.80	277	0.020	1	1.45	0.006	0.03	0.1	0.04	5.1	<0.1	0.06	5	0.7	<0.2
1365688	Soil	7	74	1.61	92	0.075	<1	1.98	0.002	<0.01	<0.1	0.03	7.6	<0.1	<0.05	4	<0.5	0.2
1365689	Soil	2	98	1.86	36	0.042	<1	2.09	0.002	<0.01	<0.1	0.02	7.7	<0.1	<0.05	5	<0.5	<0.2
1365690	Soil	11	8	0.80	51	0.024	<1	1.61	0.002	0.02	0.1	0.01	3.0	<0.1	<0.05	4	0.5	0.5
1365691	Soil	6	39	1.47	112	0.104	<1	2.07	0.002	0.01	<0.1	0.02	7.9	<0.1	<0.05	5	<0.5	<0.2
1365680	Soil	19	22	2.02	212	0.009	<1	2.56	0.004	0.02	<0.1	0.03	7.5	<0.1	<0.05	8	<0.5	<0.2
1365681	Soil	33	32	1.10	275	0.010	<1	1.71	0.006	0.02	<0.1	0.04	2.8	<0.1	<0.05	5	0.8	<0.2
1365682	Soil	37	2	0.97	79	0.004	<1	1.44	0.002	0.02	<0.1	0.02	5.2	<0.1	<0.05	4	1.2	<0.2
1365683	Soil	14	2	1.26	103	0.004	<1	1.82	0.002	0.02	<0.1	0.02	5.1	<0.1	<0.05	4	1.0	<0.2
1365684	Soil	12	6	0.58	65	0.005	<1	0.84	0.003	0.02	<0.1	0.03	3.2	<0.1	<0.05	2	0.9	<0.2
1365685	Soil	17	4	1.07	59	0.005	<1	1.51	0.001	0.01	<0.1	0.03	6.3	<0.1	<0.05	5	0.7	0.3
1365686	Soil	19	6	0.76	60	0.007	<1	1.15	0.003	0.02	<0.1	0.05	3.4	<0.1	<0.05	3	0.7	0.3
1365687	Soil	6	9	0.77	69	0.052	<1	1.51	0.003	0.02	<0.1	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
1264891	Soil	15	11	0.70	132	0.016	<1	1.28	0.003	0.02	<0.1	0.03	4.6	<0.1	<0.05	3	<0.5	0.3
1264892	Soil	17	19	0.66	295	0.027	<1	1.49	0.009	0.04	0.2	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2

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Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1264893	Soil	0.9	38.5	8.2	48	0.3	15.3	13.2	835	2.75	7.0	1.6	13.8	2.4	36	0.1	0.5	0.3	40	1.19	0.053
1264894	Soil	0.8	41.7	11.2	79	0.5	8.6	14.1	685	4.30	13.3	0.7	273.7	3.5	10	0.1	0.3	0.3	31	0.17	0.078
1264895	Soil	1.3	59.3	20.3	160	0.6	16.6	22.1	909	4.07	11.2	1.0	16.7	4.7	13	0.9	0.3	0.2	55	0.30	0.061
1264896	Soil	0.9	22.0	15.7	83	0.3	18.1	12.8	618	2.79	16.4	1.6	6.3	3.9	47	0.5	0.2	0.1	46	0.84	0.068
1264897	Soil	1.2	26.1	12.5	79	0.3	22.9	15.1	753	3.14	57.6	1.5	3.2	3.9	46	0.4	0.3	0.1	47	0.72	0.080
1264898	Soil	1.3	41.4	13.8	82	0.4	13.1	11.2	439	3.52	13.5	0.9	18.6	3.5	19	0.2	0.4	0.3	38	0.32	0.078
1264899	Soil	3.8	106.5	17.5	48	2.6	11.8	7.8	444	3.83	31.1	0.6	31.6	6.6	55	0.4	0.7	0.9	8	0.17	0.072
1264900	Soil	1.3	30.3	8.6	59	0.3	16.0	13.0	706	3.43	12.7	0.8	10.8	2.1	21	0.2	0.6	0.3	37	0.51	0.072
1264901	Rock Pulp	1.3	430.7	22.0	171	0.2	204.2	71.3	806	16.43	3.5	1.1	34.5	6.9	16	0.1	0.4	0.2	206	0.29	0.042
1264902	Soil	0.7	25.7	7.6	54	0.2	14.6	10.5	426	2.92	9.9	1.0	9.1	3.1	18	<0.1	0.6	0.2	37	0.28	0.071
1264903	Soil	0.5	47.5	9.3	58	0.4	7.5	23.1	1061	5.04	20.9	1.0	90.0	4.5	6	0.2	0.5	0.4	19	0.16	0.084
1264904	Soil	0.5	44.0	9.6	55	0.5	16.3	19.4	786	4.03	10.9	0.4	81.0	2.2	16	0.1	0.4	0.3	44	0.29	0.063
1365692	Soil	0.6	86.4	8.4	39	0.3	36.8	22.6	1315	3.63	8.1	0.3	4.8	1.6	3	<0.1	0.5	0.3	69	0.08	0.036
1365693	Soil	0.3	105.2	7.9	40	0.4	13.2	22.7	2033	3.98	6.5	0.1	162.0	1.4	5	0.3	0.3	0.2	38	0.13	0.054
1365694	Soil	0.3	374.7	11.1	48	2.1	39.7	36.9	2194	4.42	7.5	0.3	15.2	2.0	3	0.1	0.4	0.9	69	0.06	0.048
1365695	Soil	2.1	32.3	17.3	46	0.2	38.2	29.6	2388	5.28	14.6	0.4	4.8	1.9	3	0.2	0.4	0.5	66	0.07	0.054
1365696	Soil	0.2	104.1	8.4	61	0.2	42.6	28.1	1469	4.39	6.9	0.4	8.2	2.0	5	0.2	0.5	0.2	79	0.13	0.036
1365697	Soil	0.2	61.5	9.0	31	0.2	28.4	22.6	1299	3.45	3.4	0.2	4.9	1.2	3	0.1	0.3	0.2	48	0.11	0.066
1365698	Soil	1.9	54.6	8.7	69	0.3	3.6	20.4	1377	4.60	24.7	0.5	39.9	4.3	3	0.3	1.4	1.4	11	0.17	0.118
1365699	Soil	1.2	63.5	10.7	61	0.4	14.4	24.2	916	4.38	11.6	0.6	21.6	2.2	6	0.1	0.8	0.4	54	0.07	0.034
1365700	Soil	1.3	39.1	9.0	48	0.3	13.5	21.4	980	4.49	21.3	0.5	21.5	3.1	9	<0.1	0.6	0.7	31	0.28	0.129
1264890	Soil	0.4	53.9	11.6	32	0.5	55.4	34.2	1755	3.65	5.6	0.2	14.3	1.9	5	0.1	0.3	0.2	84	0.14	0.055
1278787	Soil	1.3	19.9	9.4	75	0.2	16.7	7.6	322	3.24	21.0	0.5	3.9	4.0	7	0.2	0.3	0.1	45	0.09	0.026
1278790	Soil	0.2	119.7	5.2	36	0.4	23.5	33.4	1416	3.86	7.9	0.1	12.2	0.9	4	<0.1	0.4	0.2	43	0.13	0.035
1278791	Soil	0.3	68.8	4.3	45	0.2	14.6	27.6	1229	4.09	6.0	0.3	11.8	0.9	4	<0.1	0.3	0.2	51	0.09	0.042
1278792	Soil	0.5	51.6	4.5	44	0.3	10.8	27.3	1045	4.08	6.9	0.4	16.6	0.6	2	0.2	0.4	0.4	45	0.07	0.040
1278793	Soil	0.5	32.3	4.2	43	0.3	2.6	13.1	704	3.83	8.9	1.3	12.0	5.5	3	0.1	0.7	0.3	13	0.12	0.091
1278796	Soil	1.1	39.0	6.4	51	0.3	3.4	23.8	1474	5.62	18.0	0.9	74.9	4.4	2	<0.1	0.3	0.5	25	0.07	0.109
1278797	Soil	1.2	25.3	10.7	78	<0.1	20.7	7.1	281	3.18	25.1	0.7	3.8	4.3	14	<0.1	0.2	0.1	40	0.19	0.075
1278798	Soil	1.0	23.1	9.9	67	0.2	21.2	11.4	340	2.99	15.8	0.6	3.5	3.8	9	0.1	0.4	<0.1	52	0.12	0.024

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CERTIFICATE OF ANALYSIS WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1264893	Soil	13	22	0.53	265	0.020	<1	1.58	0.008	0.03	0.1	0.03	4.3	<0.1	0.10	5	0.7	<0.2
1264894	Soil	14	9	1.23	174	0.007	<1	1.64	0.005	0.03	<0.1	0.03	3.9	<0.1	<0.05	4	0.9	<0.2
1264895	Soil	17	25	1.95	242	0.006	<1	2.38	0.003	0.02	<0.1	0.12	6.9	<0.1	<0.05	6	0.6	<0.2
1264896	Soil	18	26	1.43	469	0.004	<1	1.86	0.003	0.05	<0.1	0.05	5.7	<0.1	0.06	6	0.8	<0.2
1264897	Soil	15	34	1.69	184	0.012	<1	1.81	0.004	0.05	<0.1	0.03	6.0	<0.1	0.06	5	<0.5	<0.2
1264898	Soil	13	16	1.17	233	0.015	<1	1.67	0.006	0.03	0.1	0.03	3.5	<0.1	<0.05	5	1.1	<0.2
1264899	Soil	12	8	0.50	208	0.002	<1	0.70	0.052	0.16	<0.1	0.02	1.9	<0.1	0.47	2	1.1	0.3
1264900	Soil	11	20	0.54	259	0.020	<1	1.28	0.006	0.03	0.2	0.04	3.1	<0.1	<0.05	4	0.5	<0.2
1264901	Rock Pulp	17	623	0.12	149	0.154	4	3.74	0.011	0.07	<0.1	0.03	39.1	<0.1	<0.05	21	<0.5	<0.2
1264902	Soil	15	18	0.63	269	0.026	<1	1.39	0.007	0.03	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1264903	Soil	22	5	0.75	119	0.006	<1	1.34	0.003	0.02	<0.1	0.04	7.8	<0.1	<0.05	4	<0.5	<0.2
1264904	Soil	12	19	1.32	267	0.018	<1	1.68	0.004	0.02	0.1	0.03	5.1	<0.1	<0.05	5	0.6	<0.2
1365692	Soil	9	91	1.78	88	0.057	<1	2.03	0.001	<0.01	<0.1	0.02	11.4	<0.1	<0.05	5	<0.5	<0.2
1365693	Soil	6	21	1.19	166	0.004	<1	1.38	0.001	<0.01	<0.1	0.04	9.5	<0.1	0.10	4	<0.5	<0.2
1365694	Soil	11	81	1.92	125	0.007	<1	1.90	<0.001	<0.01	<0.1	0.05	16.2	<0.1	<0.05	5	1.0	0.2
1365695	Soil	8	73	2.16	140	0.005	<1	2.09	0.002	<0.01	<0.1	<0.01	10.2	<0.1	<0.05	5	1.1	<0.2
1365696	Soil	10	98	2.10	281	0.024	<1	2.27	0.002	<0.01	<0.1	0.04	14.9	<0.1	<0.05	7	<0.5	<0.2
1365697	Soil	4	71	1.55	96	0.023	<1	1.65	<0.001	<0.01	<0.1	<0.01	7.8	<0.1	<0.05	5	<0.5	<0.2
1365698	Soil	12	4	0.78	31	0.009	2	1.33	0.003	<0.01	<0.1	0.04	3.7	0.1	<0.05	3	1.6	0.9
1365699	Soil	10	21	1.27	133	0.055	3	1.93	0.003	0.02	<0.1	0.05	6.8	<0.1	<0.05	5	<0.5	0.2
1365700	Soil	14	20	1.08	131	0.015	2	1.63	0.004	0.03	<0.1	0.03	5.3	<0.1	<0.05	4	0.6	<0.2
1264890	Soil	14	126	2.00	119	0.010	2	2.07	0.002	<0.01	<0.1	0.05	20.5	<0.1	<0.05	5	<0.5	<0.2
1278787	Soil	17	23	1.32	174	0.042	3	1.87	0.003	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1278790	Soil	3	43	1.56	104	0.026	2	1.64	0.001	<0.01	<0.1	0.04	6.3	<0.1	<0.05	4	<0.5	<0.2
1278791	Soil	5	18	1.48	57	0.047	<1	1.83	0.002	<0.01	<0.1	0.05	7.9	<0.1	<0.05	5	<0.5	<0.2
1278792	Soil	4	10	1.41	31	0.115	2	1.46	0.001	<0.01	<0.1	0.03	5.2	<0.1	<0.05	4	<0.5	<0.2
1278793	Soil	28	3	0.88	42	0.019	1	1.19	0.003	0.02	<0.1	0.06	4.0	<0.1	<0.05	3	<0.5	<0.2
1278796	Soil	15	2	1.08	54	0.004	1	1.64	0.002	0.01	<0.1	<0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
1278797	Soil	19	26	1.42	162	0.032	2	1.77	0.004	0.08	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1278798	Soil	11	26	1.12	293	0.051	<1	1.82	0.004	0.03	0.1	0.02	5.1	<0.1	<0.05	6	<0.5	<0.2

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278799	Soil	1.3	41.4	9.8	86	<0.1	31.1	13.4	552	3.96	7.8	1.6	2.7	5.9	27	0.1	0.3	<0.1	53	0.28	0.093
1278800	Soil	2.0	44.6	9.3	85	<0.1	31.9	12.0	393	3.73	8.4	2.3	1.2	8.2	23	<0.1	0.2	<0.1	44	0.22	0.071
1378002	Soil	1.2	44.0	24.1	108	0.5	17.6	14.3	497	3.99	35.7	1.0	18.0	3.9	19	0.3	0.6	0.2	53	0.22	0.047
1378003	Soil	1.1	33.4	18.3	101	0.2	17.5	11.5	423	3.53	40.9	0.7	53.7	4.0	16	0.1	0.8	0.2	47	0.22	0.055
1378004	Soil	1.2	34.3	21.8	84	0.3	18.8	10.5	398	3.23	29.4	0.8	38.1	4.0	19	<0.1	0.8	0.2	47	0.26	0.051
1378005	Soil	0.6	30.7	16.4	98	0.3	16.5	10.1	366	3.49	38.2	0.9	29.9	4.7	19	0.3	0.5	0.1	44	0.32	0.067
1378006	Soil	1.0	33.8	24.4	101	0.2	14.3	10.7	482	3.82	39.3	1.3	35.3	4.1	12	0.1	0.6	0.2	52	0.17	0.048
1399742	Soil	1.1	65.4	20.9	163	0.4	26.2	12.8	518	4.71	20.0	0.9	13.3	3.9	14	0.2	0.7	0.2	64	0.18	0.034
1399743	Soil	1.1	38.8	28.2	132	0.3	22.1	12.1	416	3.51	25.3	1.1	18.4	5.1	23	0.3	0.7	0.2	50	0.31	0.051
1399744	Soil	1.4	36.0	27.8	116	0.3	23.7	12.4	458	3.39	25.1	0.9	85.3	5.0	20	0.3	0.9	0.2	48	0.28	0.050
1399745	Soil	1.4	38.9	43.4	119	0.4	21.0	14.3	839	3.71	47.7	1.2	21.5	4.9	22	0.3	0.8	0.2	46	0.30	0.056
1399746	Soil	1.0	40.1	30.1	105	0.4	18.4	14.2	494	3.78	42.3	0.9	21.8	4.7	20	0.2	0.6	0.2	53	0.27	0.052
1399747	Soil	0.8	29.2	15.6	88	0.2	17.8	9.6	367	3.08	22.9	0.7	14.6	3.4	16	0.2	0.5	0.2	48	0.21	0.054
1399748	Soil	1.1	40.9	20.8	101	0.4	20.1	12.9	428	3.66	32.6	0.8	16.0	4.2	20	0.2	0.6	0.2	51	0.23	0.045
1399749	Soil	0.9	32.8	18.8	102	0.2	16.4	9.7	393	3.20	35.6	0.9	11.9	4.4	15	0.3	0.6	0.2	42	0.20	0.053
1399750	Soil	0.9	37.8	20.7	100	0.3	17.1	10.7	376	3.59	33.5	0.9	13.7	4.1	17	0.2	0.6	0.2	50	0.24	0.048
1378021	Soil	0.9	27.8	16.0	90	0.2	18.3	10.1	374	3.25	70.5	0.7	114.7	3.9	13	0.1	0.5	0.2	48	0.17	0.042
1378022	Soil	1.2	32.3	16.5	97	0.2	18.5	10.6	437	3.48	94.0	0.8	44.3	3.9	16	0.2	0.5	0.2	49	0.20	0.048
1378023	Soil	1.0	34.9	19.4	102	0.3	17.1	11.8	465	3.61	72.1	0.8	17.3	3.9	15	0.2	0.5	0.2	48	0.19	0.057
1378024	Soil	1.2	31.7	20.6	84	0.3	15.4	12.3	467	3.16	38.2	0.8	320.5	1.7	13	0.2	0.5	0.1	43	0.18	0.064
1378025	Soil	1.1	29.1	20.3	82	0.4	15.1	16.6	742	3.22	38.6	0.9	25.9	1.7	12	0.2	0.5	0.2	45	0.16	0.063
1378026	Soil	2.5	43.8	33.2	181	0.5	27.2	9.2	501	3.63	143.3	1.1	10.5	4.9	11	0.7	0.8	0.3	42	0.07	0.042
1378027	Soil	0.6	81.9	14.8	153	0.7	20.0	15.9	948	4.66	12.4	0.5	130.8	3.8	10	0.6	0.5	0.2	52	0.20	0.033
1378028	Soil	0.7	127.0	14.1	70	0.9	27.5	22.6	1626	4.80	9.6	0.3	235.0	2.5	9	0.3	0.3	0.3	81	0.27	0.038
1378029	Soil	0.5	86.5	10.6	79	0.6	24.5	19.6	1225	4.94	8.1	0.4	32.7	1.9	16	0.3	0.3	0.4	86	0.67	0.051
1378030	Soil	0.6	20.9	26.9	95	0.3	14.2	6.2	221	2.63	10.5	0.6	11.2	2.4	20	0.2	0.4	0.2	46	0.22	0.068
1378031	Soil	0.7	24.0	11.0	87	0.2	18.9	10.7	338	2.88	9.3	1.1	1.1	3.9	31	0.3	0.3	0.1	41	0.67	0.081
1378032	Soil	0.4	35.0	17.0	94	0.2	26.6	14.2	413	3.99	32.9	0.6	5.1	5.2	25	0.3	0.2	0.2	57	0.49	0.078
1378001	Rock Pulp	1.2	423.1	21.5	170	0.2	202.6	71.4	810	16.56	3.0	1.1	29.9	7.0	15	<0.1	0.4	0.1	216	0.28	0.043
1378007	Soil	0.7	33.0	18.5	114	0.2	16.6	11.9	506	3.54	24.1	0.8	11.6	3.5	15	0.2	0.4	0.2	47	0.20	0.044

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1278799	Soil	18	32	1.75	123	0.093	<1	1.96	0.003	0.09	<0.1	<0.01	4.4	0.1	<0.05	6	0.7	<0.2
1278800	Soil	13	26	1.69	141	0.122	<1	1.90	0.002	0.28	<0.1	0.02	3.5	0.3	<0.05	6	0.8	<0.2
1378002	Soil	13	24	1.12	335	0.042	1	2.12	0.005	0.03	<0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
1378003	Soil	13	23	0.99	280	0.037	2	1.86	0.010	0.03	0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1378004	Soil	13	25	0.76	319	0.038	<1	1.67	0.007	0.03	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
1378005	Soil	13	24	1.07	248	0.030	1	1.84	0.007	0.05	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1378006	Soil	12	22	1.13	280	0.032	<1	2.01	0.004	0.03	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
1399742	Soil	11	29	1.39	373	0.025	1	2.40	0.007	0.03	<0.1	0.05	8.3	<0.1	<0.05	6	<0.5	<0.2
1399743	Soil	15	27	0.79	440	0.045	<1	1.87	0.009	0.04	0.1	0.06	5.4	<0.1	<0.05	5	0.6	<0.2
1399744	Soil	15	29	0.71	410	0.046	<1	1.77	0.007	0.04	0.2	0.05	5.1	<0.1	<0.05	5	0.7	<0.2
1399745	Soil	14	24	0.77	395	0.039	<1	1.83	0.007	0.05	0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
1399746	Soil	13	23	1.13	343	0.043	1	2.14	0.006	0.03	<0.1	0.02	5.4	<0.1	<0.05	5	0.5	<0.2
1399747	Soil	13	24	0.80	248	0.042	<1	1.76	0.006	0.04	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1399748	Soil	14	24	1.09	297	0.042	<1	2.01	0.009	0.04	<0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
1399749	Soil	14	24	1.04	226	0.035	1	1.76	0.005	0.03	0.1	0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
1399750	Soil	14	22	1.11	294	0.037	<1	1.94	0.005	0.03	0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
1378021	Soil	12	26	0.98	216	0.038	1	1.91	0.005	0.03	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1378022	Soil	12	27	1.16	212	0.040	<1	1.92	0.004	0.03	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1378023	Soil	13	24	1.17	245	0.034	<1	1.99	0.004	0.03	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1378024	Soil	11	23	0.86	193	0.025	<1	1.77	0.004	0.03	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1378025	Soil	11	22	0.90	208	0.026	1	1.81	0.005	0.03	0.1	0.03	3.5	<0.1	<0.05	5	0.7	<0.2
1378026	Soil	14	27	1.11	140	0.028	<1	2.04	0.003	0.03	<0.1	0.03	3.4	<0.1	<0.05	6	0.6	<0.2
1378027	Soil	9	29	1.26	165	0.006	<1	2.02	0.003	0.03	<0.1	0.03	9.3	<0.1	<0.05	6	<0.5	<0.2
1378028	Soil	10	48	1.90	135	0.010	<1	2.49	0.003	0.02	<0.1	0.03	13.7	<0.1	<0.05	6	0.8	<0.2
1378029	Soil	7	59	2.31	146	0.006	2	2.78	0.003	0.01	<0.1	0.01	11.5	<0.1	<0.05	7	<0.5	<0.2
1378030	Soil	10	22	1.05	141	0.022	2	1.60	0.005	0.04	0.1	0.20	2.9	<0.1	<0.05	5	<0.5	<0.2
1378031	Soil	18	19	0.98	258	0.013	2	1.29	0.005	0.06	<0.1	0.03	6.1	<0.1	<0.05	4	<0.5	<0.2
1378032	Soil	20	33	1.95	138	0.036	1	1.90	0.003	0.07	<0.1	0.01	6.4	<0.1	<0.05	6	<0.5	<0.2
1378001	Rock Pulp	17	640	0.12	145	0.153	5	3.71	0.011	0.06	<0.1	0.04	39.0	<0.1	<0.05	20	<0.5	<0.2
1378007	Soil	10	22	1.15	298	0.032	<1	1.79	0.004	0.02	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1378008	Soil		1.1	36.6	19.0	178	0.3	12.0	9.1	660	4.42	10.6	0.5	23.9	3.3	7	0.5	0.4	0.4	21	0.07	0.051
1378009	Soil		0.6	132.1	7.6	80	0.6	33.9	22.0	974	4.43	9.7	0.2	62.3	3.3	9	0.2	0.3	0.6	51	0.49	0.060
1378010	Soil		0.7	90.8	9.5	60	0.5	25.1	19.1	957	3.73	8.6	0.6	15.6	3.5	32	0.2	0.2	0.5	47	0.88	0.037
1378011	Soil		0.8	23.0	12.2	78	0.2	17.7	9.5	303	2.80	7.9	1.2	1.0	5.1	36	0.2	0.2	0.1	39	0.56	0.105
1378012	Soil		0.5	23.5	12.0	83	0.1	19.3	10.2	285	2.88	6.1	0.8	<0.5	5.7	31	0.2	0.2	0.1	39	0.42	0.108
1378013	Soil		0.6	29.2	12.5	83	0.2	17.6	12.1	448	3.26	10.2	0.8	3.8	4.2	28	0.2	0.3	<0.1	49	0.47	0.079
1378014	Soil		0.5	25.0	11.0	91	0.4	10.5	12.5	606	3.83	29.4	0.8	11.1	4.7	17	0.5	0.3	0.2	28	0.36	0.067
1378015	Soil		0.9	27.9	10.2	132	0.3	13.5	13.7	1117	4.38	13.8	0.6	12.6	5.4	17	0.5	0.4	0.3	18	0.29	0.083
1378016	Soil		0.4	36.1	227.4	238	0.3	15.7	27.8	387	5.45	11.1	0.8	2.1	1.2	11	0.7	0.6	0.4	49	0.22	0.060
1378017	Soil		0.6	28.2	14.4	90	0.2	16.4	8.6	358	3.03	48.4	0.8	12.2	4.6	18	0.2	0.6	0.1	40	0.30	0.058
1399107	Soil		0.8	145.0	11.5	154	1.4	32.4	24.4	1382	5.59	38.4	0.4	15.8	3.4	7	1.4	0.6	1.2	86	0.21	0.064
1399108	Soil		2.2	115.0	47.7	140	2.5	14.5	23.5	1049	5.04	42.6	0.5	66.8	6.2	14	1.7	1.0	6.2	52	0.25	0.096
1399109	Soil		0.3	210.4	10.7	117	1.1	18.2	32.2	1909	5.59	27.7	0.4	14.5	3.0	5	1.5	0.6	0.7	66	0.17	0.067
1399110	Soil		0.3	104.7	7.0	113	0.7	19.2	24.6	1730	4.54	8.2	0.2	8.3	1.6	5	2.2	0.3	0.2	82	0.15	0.044
1399111	Soil		0.6	340.1	6.9	55	1.6	13.1	30.7	1447	5.53	32.9	0.4	26.3	2.1	5	0.1	0.7	0.9	69	0.16	0.070
1399112	Soil		0.3	187.8	5.2	50	0.6	9.5	27.7	1956	5.57	11.1	0.1	13.8	1.0	5	0.2	0.4	0.4	82	0.22	0.058
1399113	Soil		0.4	94.3	4.1	72	0.5	91.7	25.8	1413	4.16	7.5	0.1	7.2	1.3	10	0.5	0.3	0.2	77	0.55	0.086
1399114	Soil		0.7	44.1	5.9	42	0.3	6.7	15.5	1130	4.00	21.6	0.4	7.1	4.4	5	<0.1	0.6	0.8	24	0.26	0.119
1399115	Soil		0.6	49.2	9.4	48	0.4	7.5	14.0	1065	3.87	15.9	0.6	9.0	4.2	5	0.1	0.4	0.7	28	0.21	0.093
1399116	Soil		0.7	34.7	4.8	43	0.2	4.7	13.6	787	3.79	13.1	0.9	10.3	4.3	3	<0.1	0.3	0.5	23	0.07	0.056
1399117	Soil		0.9	38.5	8.0	37	0.1	6.9	14.9	1091	3.81	14.4	1.0	9.8	5.3	5	<0.1	0.5	0.3	25	0.12	0.079
1399118	Soil		0.8	28.5	4.4	38	0.2	5.2	11.7	574	3.91	12.0	0.9	9.4	5.4	4	<0.1	0.2	0.4	20	0.08	0.065
1399119	Soil		0.6	49.6	5.0	54	0.3	3.0	17.5	804	4.81	11.8	0.8	46.6	5.0	5	0.2	0.2	0.4	19	0.19	0.110
1399120	Soil		0.6	52.5	7.3	61	0.3	3.8	15.1	915	5.01	14.9	1.0	41.4	4.0	3	0.2	0.2	0.4	20	0.08	0.093
1399121	Soil		1.1	29.3	5.2	36	0.4	9.2	17.7	758	4.05	9.1	0.9	42.6	6.0	5	<0.1	0.2	0.4	21	0.19	0.095
1399122	Soil		0.8	61.5	5.7	36	0.6	4.7	21.1	1278	4.16	14.9	1.1	5.7	6.5	5	<0.1	0.3	0.9	19	0.21	0.129
1399123	Soil		0.9	58.7	5.6	46	0.3	3.6	19.8	1425	4.87	24.3	0.4	12.5	6.1	6	0.1	0.4	0.8	28	0.36	0.151
1399124	Soil		1.0	124.3	8.7	85	1.2	4.4	19.0	1268	5.94	40.8	0.6	8.3	5.2	5	0.3	0.6	1.5	34	0.31	0.136
1399125	Soil		1.3	113.5	8.7	76	1.2	4.7	19.8	1228	5.91	43.2	0.8	12.6	5.3	5	0.2	0.6	1.6	34	0.31	0.130
1399126	Soil		0.4	294.2	6.0	48	1.6	13.2	35.7	1446	6.09	22.1	0.3	10.4	1.1	6	<0.1	0.4	0.5	83	0.25	0.076

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		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1378008	Soil		7	12	0.96	109	0.004	<1	1.32	0.003	0.01	<0.1	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
1378009	Soil		10	66	2.09	46	0.004	<1	2.28	0.002	0.02	<0.1	0.01	6.5	<0.1	0.06	5	0.9	<0.2
1378010	Soil		11	53	1.71	54	0.002	1	1.94	0.003	0.01	<0.1	<0.01	6.6	<0.1	0.06	5	1.3	<0.2
1378011	Soil		19	24	1.39	184	0.043	<1	1.46	0.004	0.08	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1378012	Soil		18	22	1.29	139	0.060	<1	1.44	0.003	0.10	<0.1	0.01	4.4	0.1	<0.05	5	<0.5	<0.2
1378013	Soil		16	22	1.24	179	0.034	<1	1.58	0.004	0.06	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
1378014	Soil		10	12	1.19	155	0.003	<1	1.68	0.004	0.03	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
1378015	Soil		11	8	0.78	347	<0.001	1	1.28	0.003	0.03	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
1378016	Soil		3	11	1.47	120	0.001	<1	1.95	0.003	0.02	<0.1	0.02	4.3	<0.1	<0.05	5	1.0	0.3
1378017	Soil		14	22	0.94	321	0.031	<1	1.62	0.005	0.04	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
1399107	Soil		24	63	2.07	120	0.006	<1	2.33	0.001	0.01	<0.1	0.14	13.6	<0.1	<0.05	7	1.5	0.4
1399108	Soil		32	13	1.79	97	0.006	<1	1.93	0.002	0.02	<0.1	0.07	5.9	<0.1	<0.05	6	3.8	2.4
1399109	Soil		17	22	2.16	98	0.004	<1	2.52	0.004	0.01	<0.1	0.06	11.6	<0.1	<0.05	6	1.1	<0.2
1399110	Soil		16	23	2.17	79	0.008	<1	2.45	0.001	<0.01	<0.1	0.03	14.7	<0.1	<0.05	6	<0.5	<0.2
1399111	Soil		17	18	1.79	82	0.013	<1	2.09	0.002	<0.01	<0.1	0.06	10.0	<0.1	<0.05	6	<0.5	<0.2
1399112	Soil		13	7	1.80	111	0.012	<1	2.40	<0.001	0.01	<0.1	0.03	13.9	<0.1	<0.05	7	<0.5	<0.2
1399113	Soil		12	268	2.55	61	0.014	<1	2.61	0.001	0.01	<0.1	0.03	12.6	<0.1	<0.05	6	<0.5	<0.2
1399114	Soil		23	13	1.15	71	0.004	<1	1.53	0.002	0.02	<0.1	0.05	4.5	<0.1	<0.05	4	1.0	<0.2
1399115	Soil		19	12	1.11	92	0.006	<1	1.49	0.002	0.02	<0.1	0.04	4.7	<0.1	<0.05	4	<0.5	0.3
1399116	Soil		21	5	1.00	76	0.006	<1	1.47	0.001	0.01	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
1399117	Soil		27	7	1.16	127	0.006	<1	1.50	0.002	0.02	<0.1	0.04	4.7	<0.1	<0.05	4	0.5	<0.2
1399118	Soil		22	5	0.95	70	0.003	<1	1.28	0.002	0.02	<0.1	0.04	4.6	<0.1	<0.05	3	0.6	<0.2
1399119	Soil		8	2	0.83	118	0.003	<1	1.28	0.002	0.02	<0.1	0.05	5.0	<0.1	<0.05	4	<0.5	<0.2
1399120	Soil		13	3	0.86	126	0.005	<1	1.38	0.002	0.02	<0.1	0.03	5.4	<0.1	<0.05	4	0.7	<0.2
1399121	Soil		17	7	1.25	120	0.002	<1	1.45	0.002	0.03	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
1399122	Soil		32	4	1.48	60	0.003	<1	1.58	<0.001	0.01	<0.1	0.02	2.5	<0.1	<0.05	4	0.9	<0.2
1399123	Soil		41	3	1.38	76	0.003	<1	1.97	0.002	0.02	<0.1	0.07	5.6	<0.1	<0.05	5	0.7	<0.2
1399124	Soil		27	4	1.41	80	0.011	<1	2.20	0.003	0.02	<0.1	0.04	4.7	<0.1	<0.05	6	0.6	0.7
1399125	Soil		27	5	1.45	90	0.019	<1	2.29	0.002	0.02	<0.1	0.06	4.8	<0.1	<0.05	6	<0.5	0.8
1399126	Soil		6	17	1.96	87	0.025	<1	2.40	0.002	0.02	<0.1	0.03	8.7	<0.1	<0.05	6	1.1	0.2

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Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1399127	Soil	1.6	331.4	5.0	81	0.8	15.7	37.1	2161	7.02	17.8	0.4	35.6	1.3	7	0.5	0.5	0.6	118	0.25	0.072
1399128	Soil	0.4	211.4	10.4	108	1.3	11.1	32.0	2109	5.26	11.8	0.1	7.4	1.4	9	1.2	0.3	0.7	100	0.32	0.057
1399129	Soil	0.7	163.6	13.5	56	1.5	10.9	45.8	1419	6.23	24.3	0.6	15.2	1.8	6	0.5	0.6	2.5	80	0.19	0.081
1399130	Soil	0.9	148.3	11.6	132	1.2	10.1	32.0	929	5.37	42.8	0.3	91.4	1.7	8	1.5	0.7	0.8	89	0.21	0.078
1399131	Soil	0.9	89.8	18.9	44	2.8	32.0	21.4	703	5.14	199.1	0.8	93.0	9.7	19	0.4	1.0	2.5	44	0.40	0.162
1399132	Soil	1.0	66.2	19.1	69	3.0	15.0	15.3	600	3.82	45.0	0.6	17.0	2.8	18	0.4	0.6	7.8	53	0.62	0.084
1399133	Soil	1.4	39.3	6.9	23	0.7	5.7	7.9	379	2.67	112.9	1.2	71.1	9.7	4	0.1	0.4	0.8	4	0.12	0.050
1399134	Soil	1.5	62.6	7.0	34	0.8	10.6	10.1	393	3.41	26.5	1.6	33.2	7.2	6	0.1	0.6	0.9	20	0.15	0.060
1399135	Soil	0.6	75.6	11.9	68	1.1	22.6	18.5	472	3.90	22.6	0.9	15.2	3.5	16	0.1	0.6	1.8	64	0.36	0.065
1378018	Soil	0.3	20.7	8.3	82	0.2	11.0	9.9	728	3.34	50.1	0.6	15.7	3.5	21	0.2	0.4	0.1	39	0.36	0.084
1378019	Soil	0.7	30.2	10.7	82	0.1	22.8	7.7	322	2.71	159.0	0.7	24.2	3.7	16	0.2	0.4	0.1	33	0.21	0.040
1378020	Soil	0.9	24.1	14.7	73	<0.1	17.1	7.5	293	2.54	21.2	0.8	8.3	4.2	17	0.1	0.6	0.2	45	0.23	0.041
1378033	Soil	0.6	29.0	9.5	54	0.4	18.5	9.4	564	2.36	8.5	0.6	21.5	1.6	22	0.3	0.5	0.2	44	0.40	0.056
1378034	Soil	0.7	38.7	24.3	79	0.2	15.9	10.2	451	2.64	9.0	0.4	19.5	2.5	12	0.3	0.3	0.1	50	0.21	0.037
1378035	Soil	0.6	47.8	9.8	74	0.4	16.8	16.6	687	3.53	9.8	0.6	11.5	2.4	12	0.1	0.5	0.2	60	0.22	0.041
1378036	Soil	0.8	26.5	9.9	53	0.3	20.2	13.5	612	2.52	7.6	0.6	4.8	1.8	25	<0.1	0.4	0.2	53	0.52	0.049
1378037	Soil	0.7	33.7	11.5	62	0.4	25.5	17.1	721	3.51	9.7	0.6	14.5	2.4	20	0.2	0.6	0.3	48	0.35	0.044
1378038	Soil	0.7	43.5	10.5	76	0.5	43.2	25.5	1011	4.51	9.4	0.6	16.3	2.3	18	0.1	0.6	0.4	65	0.28	0.051
1378039	Soil	1.0	35.0	10.9	50	0.4	14.8	17.1	694	3.24	10.6	0.6	15.0	2.4	16	0.2	0.6	0.4	43	0.36	0.064
1378040	Soil	0.4	54.7	13.1	67	0.5	19.6	23.5	854	4.35	11.1	0.6	17.5	2.6	12	0.1	0.5	0.3	61	0.29	0.050
1378041	Soil	0.9	30.3	8.8	57	0.3	16.5	17.0	795	3.30	9.0	0.5	23.1	1.6	23	0.2	0.5	0.2	48	0.64	0.078
1378042	Soil	0.6	40.4	6.3	63	0.3	10.2	12.5	484	3.08	8.6	1.0	44.6	3.3	19	0.3	0.4	0.2	33	0.64	0.085
1378043	Soil	1.0	31.2	10.1	56	0.4	8.1	11.5	583	3.25	16.3	0.7	21.5	3.3	12	0.2	0.5	0.3	25	0.19	0.072
1378044	Soil	1.3	19.6	8.7	55	0.3	12.0	14.5	904	2.48	10.4	0.7	9.1	1.9	20	0.2	0.4	0.3	33	0.40	0.061
1378045	Soil	1.2	81.2	164.9	105	1.4	21.9	15.3	443	2.82	33.8	1.4	11.7	3.0	19	0.4	1.3	0.1	38	0.28	0.081
1378046	Soil	1.0	25.4	9.0	77	0.3	22.2	17.1	460	2.79	23.9	0.7	2.2	2.4	17	<0.1	0.2	<0.1	43	0.28	0.071
1378047	Soil	2.2	20.9	18.0	94	0.5	20.9	17.5	879	3.45	90.8	0.7	22.6	3.3	28	0.2	0.1	<0.1	50	0.49	0.090
1378048	Soil	1.7	17.4	11.5	82	0.3	17.6	10.2	493	3.28	53.7	0.6	1.6	3.3	20	0.2	0.2	<0.1	45	0.30	0.093
1378049	Soil	0.9	25.2	7.6	54	0.5	8.4	12.8	710	2.85	10.8	0.6	15.0	2.9	20	0.3	0.3	0.4	19	0.61	0.076
1378050	Soil	1.0	35.8	8.2	56	0.4	16.1	14.9	903	3.39	10.3	0.8	18.6	2.9	16	0.2	0.4	0.3	37	0.52	0.074

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1399127	Soil	12	9	1.47	143	0.003	1	1.84	0.003	0.02	<0.1	0.06	15.7	<0.1	<0.05	5	0.6	<0.2
1399128	Soil	10	12	2.41	122	0.012	1	2.61	0.001	0.01	<0.1	0.06	12.6	<0.1	<0.05	8	0.6	0.2
1399129	Soil	10	7	1.83	89	0.005	1	2.36	0.002	0.02	<0.1	0.06	8.2	<0.1	<0.05	6	1.6	1.1
1399130	Soil	13	6	1.76	58	0.005	<1	2.07	0.002	0.01	<0.1	0.08	8.9	<0.1	<0.05	6	2.3	0.7
1399131	Soil	74	41	1.56	89	0.005	<1	2.00	0.002	0.01	<0.1	0.06	7.9	<0.1	<0.05	5	1.7	2.4
1399132	Soil	11	16	1.03	159	0.006	1	1.47	0.003	0.02	<0.1	0.07	6.8	<0.1	<0.05	4	0.6	2.4
1399133	Soil	15	3	0.14	44	0.001	<1	0.30	0.002	0.02	<0.1	0.01	2.6	<0.1	<0.05	<1	0.8	<0.2
1399134	Soil	14	10	0.73	84	0.007	<1	1.01	0.002	0.02	<0.1	0.02	3.7	<0.1	<0.05	3	1.1	0.2
1399135	Soil	19	29	1.30	222	0.020	<1	1.99	0.005	0.02	<0.1	0.05	8.7	<0.1	<0.05	5	<0.5	0.5
1378018	Soil	9	18	1.38	111	0.005	<1	1.69	0.004	0.03	<0.1	<0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
1378019	Soil	11	22	0.93	263	0.013	<1	1.49	0.005	0.03	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1378020	Soil	15	25	0.79	265	0.041	<1	1.52	0.008	0.04	0.2	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
1378033	Soil	12	23	0.57	348	0.030	1	1.50	0.008	0.04	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1378034	Soil	9	22	0.90	164	0.025	1	1.56	0.006	0.03	0.2	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
1378035	Soil	8	24	1.22	172	0.023	2	1.90	0.007	0.02	0.1	0.02	7.0	<0.1	<0.05	5	<0.5	<0.2
1378036	Soil	11	31	0.73	281	0.026	1	1.60	0.010	0.03	0.2	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1378037	Soil	8	36	1.11	545	0.022	1	1.59	0.009	0.02	0.1	0.03	6.9	<0.1	<0.05	4	<0.5	<0.2
1378038	Soil	7	59	1.19	801	0.015	<1	1.60	0.007	0.02	<0.1	0.04	11.1	<0.1	<0.05	4	<0.5	<0.2
1378039	Soil	10	19	0.83	279	0.025	<1	1.44	0.007	0.03	0.1	0.03	5.4	<0.1	<0.05	4	<0.5	<0.2
1378040	Soil	11	22	1.55	245	0.017	<1	2.05	0.006	0.02	<0.1	0.03	9.0	<0.1	<0.05	5	0.7	<0.2
1378041	Soil	7	26	1.16	420	0.013	1	1.60	0.006	0.02	0.1	0.03	5.7	<0.1	<0.05	4	0.8	<0.2
1378042	Soil	15	13	1.00	156	0.012	<1	1.57	0.005	0.02	<0.1	0.05	5.8	<0.1	<0.05	5	<0.5	<0.2
1378043	Soil	17	12	0.88	155	0.012	<1	1.33	0.006	0.03	0.1	0.04	3.0	<0.1	<0.05	4	0.5	<0.2
1378044	Soil	11	18	0.67	219	0.018	<1	1.31	0.009	0.03	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1378045	Soil	11	32	1.41	126	0.028	<1	1.66	0.005	0.04	<0.1	1.04	4.4	<0.1	<0.05	5	<0.5	<0.2
1378046	Soil	8	36	1.53	99	0.036	<1	1.76	0.004	0.04	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
1378047	Soil	12	30	2.10	210	0.006	<1	2.26	0.005	0.05	<0.1	0.04	3.4	<0.1	<0.05	7	<0.5	<0.2
1378048	Soil	11	27	1.82	127	0.013	<1	1.97	0.004	0.05	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1378049	Soil	17	8	0.90	247	0.006	<1	1.31	0.006	0.02	<0.1	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2
1378050	Soil	14	24	1.01	243	0.012	<1	1.53	0.006	0.02	<0.1	0.05	6.2	<0.1	<0.05	4	<0.5	<0.2

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1378076	Soil	0.8	34.0	8.7	53	0.4	18.1	12.1	644	2.74	8.0	0.7	8.5	1.5	26	0.2	0.4	0.3	44	0.74	0.068
1378077	Soil	1.1	28.5	9.6	48	0.3	15.2	17.2	852	2.99	9.4	0.5	8.8	2.0	17	0.2	0.4	0.3	47	0.43	0.050
1378078	Soil	0.9	25.8	15.7	90	0.2	15.4	25.8	991	4.82	14.0	0.3	11.8	1.5	12	0.1	0.5	0.4	76	0.09	0.044
1378079	Soil	0.7	48.1	11.9	65	0.5	28.0	22.0	782	3.54	11.0	0.8	20.0	2.7	16	0.3	0.6	0.4	48	0.38	0.057
1378080	Soil	1.0	26.6	12.4	77	0.5	28.3	18.4	644	3.86	8.4	0.5	18.1	1.9	17	0.2	0.5	0.4	54	0.39	0.044
1378081	Soil	0.6	29.0	9.5	63	0.2	19.2	19.5	813	3.12	10.2	0.4	11.6	1.9	17	0.1	0.3	0.2	53	0.43	0.062
1378082	Soil	0.7	44.4	9.1	73	0.3	18.4	12.7	600	2.85	9.2	0.6	7.0	2.6	15	0.2	0.4	0.2	54	0.31	0.043
1378083	Soil	0.7	53.9	9.0	78	0.5	23.0	13.7	747	3.28	10.6	0.6	18.2	3.0	12	0.2	0.4	0.2	61	0.22	0.047
1378084	Soil	0.5	69.2	8.0	63	0.3	33.3	15.5	737	3.04	9.6	0.5	14.5	2.6	13	0.3	0.5	0.2	63	0.28	0.045
1378085	Soil	0.5	78.0	10.5	63	0.4	23.6	15.3	730	3.38	12.2	0.7	16.4	3.0	9	0.2	0.6	0.2	59	0.11	0.031
1378086	Soil	2.4	49.9	17.5	118	0.5	43.2	16.3	618	4.24	70.7	1.6	7.3	5.9	32	0.6	0.3	0.1	58	0.32	0.099
1378087	Soil	2.3	28.2	7.9	85	0.3	24.8	13.2	678	2.97	28.8	1.0	1.3	2.8	40	0.4	0.2	<0.1	39	0.63	0.089
1378088	Soil	1.8	26.1	14.2	81	0.5	21.8	7.2	389	3.04	22.9	1.0	3.6	2.6	17	0.3	0.1	<0.1	47	0.22	0.078
1378089	Soil	0.7	50.8	14.7	88	1.0	20.2	36.2	1256	5.71	14.0	0.5	36.6	1.3	16	0.2	0.5	0.4	97	0.40	0.051
1378090	Soil	0.5	27.2	8.6	54	0.3	19.4	16.2	809	2.92	8.5	0.4	14.6	1.3	34	0.2	0.4	0.2	46	1.09	0.044
1378091	Soil	0.6	62.2	17.0	96	0.5	24.0	29.3	2094	4.92	15.0	0.5	39.4	3.1	11	0.5	0.5	0.4	58	0.25	0.066
1378092	Soil	0.5	26.4	10.3	72	0.3	26.7	17.3	672	3.72	9.7	0.5	9.2	1.9	18	0.2	0.4	0.2	56	0.27	0.047
1378093	Soil	0.5	58.4	16.1	84	0.5	47.8	24.2	1190	4.24	8.2	0.4	18.4	2.0	12	0.5	0.3	0.1	75	0.32	0.050
1378094	Soil	0.5	89.0	8.1	236	0.8	12.9	16.4	1113	4.20	10.7	0.3	29.7	3.7	10	1.5	0.4	0.2	39	0.33	0.088
1378095	Soil	0.5	116.1	9.0	203	0.9	13.9	17.3	1621	4.16	8.5	0.5	30.2	3.8	9	1.6	0.6	0.2	40	0.19	0.053
1378096	Soil	0.5	63.8	8.5	69	0.2	31.9	20.3	846	3.99	10.4	0.4	19.5	2.3	9	0.1	0.5	0.2	65	0.17	0.036
1378097	Soil	0.9	48.7	18.0	108	0.3	21.1	11.5	477	3.30	10.8	0.9	14.1	3.7	16	0.2	0.8	0.2	52	0.20	0.043
1378098	Soil	0.8	42.1	11.5	73	0.3	24.2	11.8	474	3.10	11.8	0.7	4.0	4.3	21	0.1	0.9	0.2	54	0.30	0.056
1378068	Soil	1.2	16.2	6.5	38	0.1	10.7	13.3	508	3.25	10.2	0.9	8.6	3.8	9	<0.1	0.3	0.4	31	0.11	0.046
1378069	Soil	0.8	44.8	7.0	55	0.2	6.4	16.7	770	3.92	16.5	1.0	8.0	3.4	9	<0.1	0.4	0.5	38	0.19	0.086
1378070	Soil	0.7	180.1	8.5	80	1.0	44.5	30.1	1984	4.74	16.4	0.4	14.5	3.2	8	0.3	0.5	0.6	50	0.40	0.154
1378071	Soil	0.8	170.8	7.8	131	1.8	40.3	27.7	1335	5.68	18.9	0.4	14.7	2.4	7	0.6	0.6	0.7	101	0.22	0.073
1378072	Soil	0.8	115.6	8.1	78	1.2	17.6	19.7	849	4.00	11.1	0.8	13.1	2.5	14	0.3	0.3	0.5	69	0.39	0.064
1378073	Soil	1.8	146.0	12.3	80	1.7	13.5	17.5	1049	4.89	18.5	0.7	31.1	4.2	12	0.6	0.5	0.9	46	0.32	0.103
1378062	Soil	1.0	39.8	15.5	45	2.0	15.3	12.5	356	2.95	36.3	1.0	25.3	4.1	18	0.1	0.3	3.1	41	0.49	0.079

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1378076	Soil	11	28	0.92	439	0.017	<1	1.56	0.008	0.03	0.1	0.04	5.2	<0.1	<0.05	4	<0.5	<0.2
1378077	Soil	8	21	0.88	275	0.022	<1	1.47	0.007	0.03	0.1	0.03	4.7	<0.1	<0.05	4	0.6	<0.2
1378078	Soil	5	25	1.83	137	0.013	<1	2.23	0.009	0.02	<0.1	0.01	10.8	<0.1	<0.05	6	<0.5	<0.2
1378079	Soil	12	43	1.17	421	0.016	<1	1.71	0.007	0.02	<0.1	0.06	9.6	<0.1	<0.05	5	<0.5	<0.2
1378080	Soil	6	48	1.36	502	0.014	<1	1.75	0.005	0.02	<0.1	0.04	8.6	<0.1	<0.05	5	<0.5	<0.2
1378081	Soil	8	28	0.99	180	0.020	<1	1.57	0.007	0.02	0.2	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
1378082	Soil	11	26	0.98	226	0.022	<1	1.78	0.012	0.03	0.2	0.04	5.6	<0.1	<0.05	5	<0.5	<0.2
1378083	Soil	10	40	1.16	231	0.024	<1	1.99	0.006	0.03	0.1	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
1378084	Soil	11	63	1.30	198	0.018	<1	1.90	0.008	0.03	0.1	0.03	9.0	<0.1	<0.05	4	<0.5	<0.2
1378085	Soil	12	30	1.14	183	0.027	2	1.95	0.007	0.03	0.1	0.04	7.7	<0.1	<0.05	5	<0.5	<0.2
1378086	Soil	20	42	2.60	214	0.016	<1	2.72	0.005	0.08	<0.1	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
1378087	Soil	9	28	1.70	179	0.015	1	1.78	0.006	0.06	<0.1	0.03	3.2	<0.1	<0.05	5	1.2	<0.2
1378088	Soil	12	32	1.69	185	0.019	1	1.95	0.005	0.06	<0.1	0.03	3.7	<0.1	<0.05	6	0.5	<0.2
1378089	Soil	8	26	2.84	339	0.005	<1	2.98	0.004	0.02	<0.1	0.05	15.8	<0.1	<0.05	7	0.7	<0.2
1378090	Soil	7	32	1.04	350	0.016	2	1.43	0.009	0.02	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
1378091	Soil	10	34	1.63	415	0.008	<1	1.99	0.006	0.02	<0.1	0.02	9.9	<0.1	<0.05	5	0.7	<0.2
1378092	Soil	7	47	1.55	628	0.020	<1	1.93	0.006	0.02	<0.1	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
1378093	Soil	8	88	1.95	208	0.014	<1	2.38	0.004	0.02	<0.1	0.02	13.1	<0.1	<0.05	6	<0.5	<0.2
1378094	Soil	7	11	1.78	94	0.005	<1	2.25	0.003	0.02	<0.1	0.02	6.5	<0.1	<0.05	6	0.9	<0.2
1378095	Soil	9	14	1.58	156	0.006	<1	2.11	0.006	0.02	<0.1	0.05	8.8	<0.1	<0.05	5	<0.5	<0.2
1378096	Soil	8	57	1.57	147	0.017	<1	2.24	0.005	0.02	0.2	0.04	9.8	<0.1	<0.05	6	<0.5	<0.2
1378097	Soil	14	25	0.95	290	0.036	<1	1.85	0.009	0.03	0.1	0.05	5.7	<0.1	<0.05	5	0.6	<0.2
1378098	Soil	15	28	0.89	349	0.038	1	1.70	0.013	0.04	0.2	0.04	5.6	<0.1	<0.05	5	<0.5	<0.2
1378068	Soil	15	13	0.99	121	0.012	<1	1.56	0.005	0.03	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
1378069	Soil	17	11	1.23	110	0.014	<1	2.11	0.004	0.03	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
1378070	Soil	23	104	2.15	115	0.005	<1	2.43	0.002	0.02	<0.1	0.06	9.0	<0.1	<0.05	6	1.0	0.3
1378071	Soil	16	95	2.74	142	0.008	<1	3.03	0.002	0.02	<0.1	0.07	12.9	<0.1	<0.05	7	<0.5	0.3
1378072	Soil	13	31	1.68	231	0.014	<1	2.46	0.004	0.02	<0.1	0.06	8.0	<0.1	<0.05	6	<0.5	<0.2
1378073	Soil	12	20	2.02	118	0.005	<1	2.25	0.003	0.02	<0.1	0.04	7.2	<0.1	<0.05	5	1.8	<0.2
1378062	Soil	17	19	0.99	151	0.012	<1	1.51	0.005	0.03	<0.1	0.05	5.2	<0.1	<0.05	4	1.2	1.3

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1378051	Rock Pulp	2.1	24.7	2.3	43	0.4	23.2	9.8	424	2.36	4.4	0.2	1.4	0.8	39	0.1	0.3	<0.1	60	0.80	0.055
1378052	Soil	0.4	22.6	7.5	55	0.2	22.2	11.5	752	2.98	7.5	0.6	53.8	2.9	17	0.2	0.5	0.3	62	0.30	0.050
1378053	Soil	1.1	21.3	9.5	62	0.2	17.8	7.9	354	2.56	9.6	0.6	3.4	2.3	23	0.2	0.6	0.2	56	0.34	0.055
1378054	Soil	0.8	20.6	8.3	52	<0.1	16.3	8.7	303	2.52	8.9	0.6	5.4	3.9	20	0.1	0.6	0.1	54	0.27	0.054
1378055	Soil	0.6	33.6	6.5	66	0.2	24.6	14.1	623	3.42	7.1	0.5	1.4	2.8	17	0.1	0.5	0.2	86	0.29	0.055
1378056	Soil	0.2	32.7	3.0	54	0.2	20.4	15.5	892	3.67	8.6	0.3	56.3	1.2	12	0.3	0.2	0.1	80	0.27	0.060
1378057	Soil	0.7	22.4	6.2	48	0.3	12.0	7.6	359	2.40	7.9	0.5	6.6	2.7	16	<0.1	0.3	0.2	37	0.24	0.059
1378058	Soil	0.7	29.3	7.8	53	0.7	15.4	12.2	411	2.88	13.9	0.8	11.4	1.7	21	0.2	0.1	0.5	58	0.54	0.064
1378059	Soil	0.5	56.4	8.7	53	0.8	18.7	18.0	738	3.14	11.2	1.0	14.9	2.2	26	0.2	0.3	0.5	63	0.78	0.055
1378060	Soil	0.6	62.8	9.4	49	1.2	12.5	13.3	540	3.36	30.2	0.8	32.3	4.7	11	0.3	0.5	0.8	43	0.29	0.069
1378061	Soil	0.7	37.0	8.1	44	0.5	14.0	11.5	409	2.74	53.0	1.2	20.2	3.2	21	0.1	0.3	0.4	43	0.55	0.056
1378063	Soil	1.3	47.3	10.4	46	1.4	14.8	13.8	430	3.19	62.6	1.4	83.9	4.1	20	0.3	0.4	2.4	40	0.54	0.104
1378064	Soil	0.9	46.6	9.8	53	1.1	14.7	13.6	423	3.03	36.1	0.7	21.6	2.9	19	0.3	0.3	1.3	44	0.66	0.086
1378065	Soil	0.8	60.4	7.9	61	1.1	13.0	18.8	704	3.56	35.7	0.9	49.9	2.1	18	0.2	0.3	0.7	58	0.64	0.066
1378066	Soil	0.9	94.1	7.3	59	1.1	20.4	19.1	1388	3.44	16.8	1.5	16.7	2.2	22	0.4	0.4	0.5	54	0.65	0.073
1378067	Soil	0.9	52.9	6.2	49	0.9	15.9	11.0	281	2.77	12.2	1.6	19.1	4.5	10	<0.1	0.3	0.4	39	0.24	0.068
1378074	Soil	0.7	99.5	6.9	79	1.0	19.2	22.9	1094	4.19	10.9	0.8	9.3	2.0	13	0.5	0.4	0.5	75	0.45	0.075
1378075	Soil	0.7	93.1	6.2	80	0.9	18.5	23.9	865	4.46	12.3	0.7	8.3	2.2	11	0.4	0.4	0.5	75	0.35	0.075
1378099	Soil	0.7	27.2	7.1	60	0.2	21.0	13.9	766	3.33	8.3	0.8	9.1	3.4	12	<0.1	0.5	0.2	71	0.18	0.035
1378100	Soil	0.6	22.3	5.9	57	0.2	20.0	13.1	659	3.15	7.5	0.5	8.4	2.8	10	0.1	0.4	0.2	61	0.20	0.043
1379752	Soil	0.7	62.5	10.5	61	1.7	17.3	18.9	702	3.73	25.8	0.7	24.5	2.7	17	0.4	0.4	2.2	61	0.58	0.067
1379753	Soil	1.8	53.6	11.4	33	2.1	15.0	14.3	231	3.30	60.1	0.7	69.5	5.9	12	0.1	0.5	5.3	30	0.33	0.106
1379754	Soil	1.1	61.1	12.0	54	1.6	15.2	17.6	476	3.87	64.8	0.7	26.8	3.8	11	0.3	0.5	1.8	59	0.38	0.090
1379755	Soil	0.8	48.0	6.1	47	0.5	14.7	18.7	960	3.66	24.4	0.8	18.2	2.6	12	0.2	0.3	0.4	60	0.36	0.057
1379756	Soil	0.7	43.2	6.4	55	0.5	16.0	16.6	556	3.59	49.9	0.7	20.6	2.4	12	0.2	0.3	0.4	64	0.38	0.056
1379757	Soil	0.8	58.8	9.6	47	1.1	18.7	19.8	486	3.85	25.0	0.8	15.1	2.4	15	0.2	0.3	0.9	71	0.50	0.059
1379758	Soil	0.7	52.9	6.6	52	0.5	21.8	16.9	530	3.57	19.0	0.7	21.0	2.3	12	0.2	0.3	0.4	67	0.33	0.067
1397448	Soil	1.4	21.7	9.2	69	0.4	21.7	9.8	367	2.91	21.7	0.6	5.0	3.3	10	0.1	0.3	0.1	52	0.12	0.040
1397449	Soil	1.1	18.7	8.8	64	0.3	17.1	10.7	454	2.87	17.4	0.6	2.6	3.2	10	0.1	0.3	0.1	53	0.13	0.036
1397450	Soil	1.1	24.4	10.2	69	0.2	20.2	9.7	355	2.99	18.4	0.7	15.6	3.9	12	0.1	0.4	0.1	48	0.16	0.048

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1378051	Rock Pulp	4	29	0.85	92	0.110	3	1.48	0.080	0.12	11.9	<0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
1378052	Soil	16	52	1.15	246	0.031	<1	2.04	0.007	0.03	0.2	0.02	7.2	<0.1	<0.05	6	<0.5	<0.2
1378053	Soil	15	27	0.69	293	0.035	2	1.62	0.010	0.05	0.2	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1378054	Soil	15	27	0.65	238	0.046	2	1.55	0.009	0.04	0.4	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
1378055	Soil	10	65	1.70	212	0.037	<1	2.20	0.007	0.03	0.2	0.04	9.1	<0.1	<0.05	6	<0.5	<0.2
1378056	Soil	6	43	2.39	99	0.024	1	2.68	0.003	0.02	<0.1	<0.01	8.3	<0.1	<0.05	6	<0.5	<0.2
1378057	Soil	11	17	0.86	173	0.035	<1	1.44	0.008	0.03	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1378058	Soil	8	28	1.16	155	0.013	1	1.74	0.005	0.03	<0.1	0.04	5.9	<0.1	<0.05	5	<0.5	<0.2
1378059	Soil	12	28	1.17	195	0.016	1	1.94	0.005	0.03	<0.1	0.04	7.0	<0.1	<0.05	5	<0.5	<0.2
1378060	Soil	13	17	1.11	75	0.019	<1	1.59	0.005	0.02	<0.1	<0.01	5.8	<0.1	<0.05	4	0.7	0.5
1378061	Soil	14	19	0.92	193	0.015	1	1.54	0.005	0.03	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
1378063	Soil	17	14	0.88	160	0.011	<1	1.33	0.004	0.02	<0.1	0.04	5.7	<0.1	<0.05	4	1.5	0.8
1378064	Soil	13	18	0.81	202	0.009	<1	1.38	0.003	0.02	0.1	0.05	4.7	<0.1	0.05	4	0.9	0.5
1378065	Soil	10	18	1.19	241	0.007	1	1.82	0.003	0.02	<0.1	0.05	5.5	<0.1	0.06	5	0.8	<0.2
1378066	Soil	13	30	1.05	311	0.011	<1	1.65	0.004	0.02	0.1	0.07	5.4	<0.1	0.07	5	1.1	<0.2
1378067	Soil	17	25	0.95	214	0.010	<1	1.54	0.003	0.03	<0.1	0.05	3.6	<0.1	0.05	4	0.6	<0.2
1378074	Soil	14	31	1.63	271	0.010	<1	2.51	0.004	0.02	<0.1	0.06	8.6	<0.1	0.06	7	0.6	<0.2
1378075	Soil	13	30	1.59	219	0.011	<1	2.45	0.003	0.02	<0.1	0.05	8.7	<0.1	<0.05	7	0.6	<0.2
1378099	Soil	20	37	1.11	272	0.032	<1	2.23	0.006	0.03	0.1	0.04	6.8	<0.1	0.05	6	<0.5	<0.2
1378100	Soil	12	39	1.12	200	0.022	<1	1.95	0.005	0.03	0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1379752	Soil	13	23	1.12	194	0.012	<1	1.86	0.004	0.02	<0.1	0.06	6.5	<0.1	<0.05	5	1.2	0.8
1379753	Soil	18	11	0.47	77	0.004	<1	0.76	0.002	0.02	<0.1	0.03	5.5	<0.1	0.07	2	2.2	3.0
1379754	Soil	20	21	1.30	136	0.010	<1	1.80	0.003	0.02	<0.1	0.05	6.8	<0.1	<0.05	5	1.2	0.7
1379755	Soil	12	18	1.08	141	0.017	<1	1.74	0.003	0.02	0.1	0.04	6.2	<0.1	0.06	5	0.8	<0.2
1379756	Soil	9	22	1.13	104	0.017	<1	1.76	0.003	0.02	<0.1	0.03	6.0	<0.1	0.08	5	0.8	<0.2
1379757	Soil	12	25	1.22	168	0.018	<1	2.01	0.004	0.02	0.1	0.03	6.7	<0.1	0.07	6	0.8	0.4
1379758	Soil	11	29	1.40	170	0.019	<1	1.94	0.004	0.02	<0.1	0.02	6.5	<0.1	<0.05	5	1.1	<0.2
1397448	Soil	13	29	1.13	206	0.028	<1	1.93	0.005	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1397449	Soil	12	28	1.27	256	0.031	<1	1.88	0.006	0.04	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
1397450	Soil	13	27	1.35	199	0.034	<1	1.84	0.004	0.04	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2

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Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1397451	Rock Pulp	2.5	24.9	2.2	44	0.3	24.4	11.0	432	2.60	4.7	0.2	0.9	0.8	36	0.2	0.3	<0.1	66	0.81	0.060
1397452	Soil	1.0	18.8	8.1	57	0.1	16.7	9.2	341	2.45	14.6	0.5	8.5	3.1	13	<0.1	0.3	0.1	40	0.19	0.061
1397453	Soil	1.5	20.3	9.9	60	0.2	18.1	8.5	275	2.49	14.6	0.7	2.9	3.1	14	0.1	0.4	<0.1	44	0.16	0.037
1397454	Soil	1.0	23.7	10.2	58	0.2	21.3	10.1	297	2.59	20.9	0.8	6.6	3.3	16	0.1	0.5	0.1	49	0.22	0.046
1397455	Soil	1.1	28.8	21.6	135	0.1	17.1	11.8	495	3.16	12.0	0.6	4.0	4.1	13	0.5	0.5	<0.1	46	0.20	0.058
1397456	Soil	1.3	40.6	220.8	135	0.6	16.4	8.6	342	3.24	10.4	0.7	8.6	3.2	17	0.1	0.8	0.1	49	0.16	0.038
1397457	Soil	1.7	22.7	21.9	81	0.2	13.4	9.1	308	2.85	7.8	0.9	10.4	3.1	12	0.2	0.4	0.1	42	0.13	0.041
1397458	Soil	1.3	48.1	34.5	103	0.4	25.6	16.3	679	3.58	8.1	0.6	480.1	2.6	12	0.2	0.5	0.2	62	0.15	0.032
1397459	Soil	1.3	47.3	23.2	106	0.6	23.3	17.7	1321	4.22	8.4	0.5	12.9	2.2	10	0.4	0.4	0.2	59	0.18	0.040
1397460	Soil	0.6	58.1	7.9	64	0.8	35.7	18.7	947	3.47	6.2	0.6	11.4	1.4	14	0.2	0.3	0.2	61	0.56	0.041
1397461	Soil	0.7	39.6	7.9	62	0.4	30.4	15.0	647	3.63	8.1	0.6	18.5	2.2	9	<0.1	0.4	0.2	63	0.30	0.024
1397462	Soil	0.6	48.6	8.3	60	0.8	44.9	29.1	1950	4.50	5.8	0.2	12.9	1.0	6	0.2	0.2	0.2	84	0.27	0.039
1397463	Soil	3.2	70.8	48.5	157	1.2	18.3	13.2	482	4.24	11.3	0.9	37.5	3.2	14	0.4	0.6	0.2	58	0.15	0.032
1397464	Soil	2.7	57.6	109.7	201	0.4	21.6	14.7	590	4.27	10.5	1.2	19.3	4.3	13	0.5	0.7	0.4	60	0.07	0.032
1397465	Soil	0.9	19.9	13.7	86	0.1	13.8	8.4	294	3.01	11.6	0.9	10.8	4.0	16	0.1	0.3	0.3	40	0.16	0.032
1397466	Soil	0.6	22.3	11.9	67	<0.1	19.4	11.0	291	2.73	12.7	0.8	4.5	4.2	13	0.2	0.4	0.2	52	0.12	0.018
1397467	Soil	1.4	37.2	11.7	90	0.1	31.1	15.7	656	3.45	133.8	0.7	22.2	4.4	14	0.4	0.5	0.2	54	0.17	0.065
1397468	Soil	1.0	25.7	10.3	65	0.2	23.4	10.1	325	2.84	22.0	0.9	3.0	3.1	17	<0.1	0.4	0.1	52	0.25	0.053
1397469	Soil	0.9	31.3	12.0	77	0.1	24.1	9.3	316	2.89	16.9	1.2	3.3	4.6	17	0.2	0.4	0.4	38	0.14	0.036
1397470	Soil	1.0	21.8	9.2	63	0.1	19.0	8.7	329	2.59	17.9	0.7	5.3	3.6	16	0.1	0.4	0.2	42	0.18	0.035
1397471	Soil	1.1	36.1	12.4	88	0.2	24.3	12.3	526	3.35	13.5	0.9	2.2	5.2	16	0.2	0.3	0.2	50	0.18	0.053
1397472	Soil	1.1	23.1	11.4	69	0.2	19.8	10.0	436	3.08	14.3	1.0	1.7	4.0	15	<0.1	0.4	0.1	52	0.14	0.039
1397473	Soil	1.9	42.3	10.8	86	0.2	27.9	11.3	437	3.42	55.9	0.8	2.7	5.1	14	0.2	0.5	0.3	49	0.10	0.025
1397474	Soil	1.5	37.9	11.0	84	0.2	30.5	10.7	539	3.38	20.2	1.0	12.6	4.6	22	0.3	0.3	0.2	44	0.19	0.055
1397475	Soil	1.2	35.5	12.7	83	0.2	31.4	10.3	535	3.43	25.9	1.1	2.0	4.6	23	0.1	0.4	0.2	45	0.20	0.060
1397476	Soil	0.9	23.1	9.5	69	0.1	20.9	9.6	425	2.94	10.7	0.9	1.4	4.1	12	<0.1	0.3	<0.1	47	0.15	0.037
1397477	Soil	1.8	39.7	10.9	86	0.2	30.2	10.5	508	3.56	13.2	1.7	1.2	5.3	18	0.1	0.3	0.2	45	0.16	0.048
1397478	Soil	1.6	32.6	9.9	85	0.2	24.6	10.0	470	3.36	13.4	1.1	1.8	4.5	14	0.2	0.3	<0.1	52	0.12	0.036
1397479	Soil	0.8	24.6	10.3	74	0.2	22.5	10.2	495	3.22	15.5	0.7	1.3	4.0	16	0.3	0.2	<0.1	58	0.19	0.066
1397480	Soil	0.7	22.3	10.0	78	0.2	16.9	8.3	483	3.19	20.0	0.5	3.8	4.0	8	<0.1	0.3	<0.1	53	0.10	0.034

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1397451	Rock Pulp	4	32	0.78	95	0.112	2	1.52	0.073	0.12	12.3	<0.01	4.6	<0.1	0.08	5	<0.5	<0.2
1397452	Soil	11	23	1.08	147	0.038	<1	1.45	0.004	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1397453	Soil	11	25	1.13	176	0.046	<1	1.51	0.004	0.04	<0.1	0.21	2.8	<0.1	<0.05	4	<0.5	<0.2
1397454	Soil	13	30	0.89	287	0.042	<1	1.54	0.006	0.04	0.1	0.03	3.9	<0.1	0.05	4	<0.5	<0.2
1397455	Soil	15	24	1.35	216	0.030	<1	1.94	0.006	0.03	0.1	0.14	4.8	<0.1	0.05	6	<0.5	<0.2
1397456	Soil	11	28	1.19	336	0.043	<1	1.74	0.008	0.04	0.1	1.20	4.1	<0.1	0.05	5	<0.5	<0.2
1397457	Soil	11	23	0.82	274	0.036	<1	1.62	0.006	0.04	0.1	0.05	4.2	<0.1	<0.05	5	<0.5	<0.2
1397458	Soil	10	43	1.49	471	0.024	<1	1.98	0.005	0.03	0.1	0.08	6.1	<0.1	<0.05	5	<0.5	<0.2
1397459	Soil	9	35	1.63	611	0.011	<1	2.22	0.003	0.02	<0.1	0.06	7.1	<0.1	<0.05	6	<0.5	<0.2
1397460	Soil	9	64	1.90	216	0.011	<1	2.43	0.005	0.02	0.2	0.17	8.8	<0.1	<0.05	5	<0.5	<0.2
1397461	Soil	8	52	1.57	200	0.015	<1	2.31	0.005	0.02	0.1	0.04	8.3	<0.1	<0.05	5	<0.5	<0.2
1397462	Soil	9	95	3.13	188	0.005	<1	3.02	0.003	0.01	<0.1	0.03	12.2	<0.1	<0.05	7	<0.5	<0.2
1397463	Soil	10	26	1.34	652	0.015	<1	2.21	0.007	0.03	<0.1	0.09	6.3	<0.1	<0.05	6	0.7	<0.2
1397464	Soil	14	39	1.45	335	0.030	3	2.34	0.007	0.04	<0.1	0.25	7.1	<0.1	<0.05	6	<0.5	<0.2
1397465	Soil	13	25	1.02	360	0.055	<1	1.73	0.006	0.04	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1397466	Soil	15	32	0.95	292	0.064	2	1.84	0.005	0.04	<0.1	<0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
1397467	Soil	16	33	1.24	255	0.032	<1	1.92	0.003	0.06	<0.1	0.01	4.2	<0.1	<0.05	5	0.9	<0.2
1397468	Soil	13	33	1.17	253	0.052	<1	1.60	0.006	0.04	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
1397469	Soil	13	26	1.46	194	0.041	1	1.83	0.003	0.04	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
1397470	Soil	14	27	1.17	264	0.031	<1	1.68	0.005	0.05	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1397471	Soil	14	29	1.76	226	0.031	<1	2.15	0.003	0.04	<0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1397472	Soil	15	29	1.47	284	0.036	<1	2.02	0.005	0.06	<0.1	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1397473	Soil	17	34	1.64	267	0.029	2	2.14	0.004	0.04	<0.1	0.01	4.5	<0.1	<0.05	6	0.5	<0.2
1397474	Soil	19	29	1.76	222	0.020	<1	2.11	0.004	0.03	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1397475	Soil	15	29	1.78	204	0.021	<1	2.10	0.004	0.03	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
1397476	Soil	15	27	1.36	250	0.049	1	1.81	0.007	0.07	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
1397477	Soil	13	28	1.79	195	0.074	<1	2.09	0.004	0.05	<0.1	<0.01	3.8	<0.1	<0.05	6	0.6	<0.2
1397478	Soil	12	30	1.72	192	0.072	<1	2.05	0.003	0.04	<0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1397479	Soil	15	29	1.67	231	0.028	<1	2.11	0.004	0.06	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
1397480	Soil	14	30	1.46	169	0.033	<1	2.04	0.003	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2

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Project: KSD
Report Date: July 26, 2013

CERTIFICATE OF ANALYSIS WHI13000111.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1397481	Soil	1.3	20.8	11.0	74	0.3	19.7	8.0	307	2.92	22.7	0.5	5.2	3.5	15	0.2	0.3	<0.1	47	0.18	0.057
1264933	Soil	0.6	42.2	9.6	70	0.2	24.5	10.6	463	3.15	10.7	0.9	14.1	3.7	22	<0.1	0.7	0.2	56	0.29	0.039
1264934	Soil	0.7	36.8	8.8	55	0.2	21.7	9.3	392	2.62	9.5	0.7	8.2	3.7	22	0.2	0.5	0.2	50	0.31	0.046
1264935	Soil	0.8	30.0	8.6	57	0.2	16.6	8.8	336	2.59	7.7	0.7	5.4	3.2	17	<0.1	0.6	0.2	50	0.24	0.027
1264936	Soil	0.8	27.8	10.8	62	0.2	17.4	8.8	368	2.84	10.3	0.7	7.1	3.5	20	0.1	0.5	0.2	54	0.24	0.029
1264937	Soil	0.2	70.6	8.3	76	0.6	43.6	17.4	1401	3.77	5.4	0.4	16.1	2.0	7	0.3	0.2	0.1	67	0.17	0.067
1264938	Soil	0.6	66.4	7.6	84	0.9	26.2	18.7	1408	3.16	8.9	0.9	19.2	1.5	24	0.7	0.3	0.2	56	0.53	0.078
1264939	Soil	0.4	83.4	8.9	110	0.7	22.7	20.4	949	3.84	8.8	0.4	24.1	2.1	21	0.6	0.4	0.2	58	0.48	0.073
1397496	Soil	0.7	26.3	8.5	77	0.2	13.2	9.0	251	2.43	8.7	1.0	4.1	6.0	26	0.2	0.3	<0.1	27	0.33	0.103
1397497	Soil	1.1	18.5	10.4	73	0.2	15.7	11.8	420	2.53	13.3	0.7	1.5	1.4	17	<0.1	0.1	<0.1	37	0.24	0.072
1397498	Soil	2.2	30.1	133.9	323	0.9	12.0	6.3	404	4.23	19.0	0.8	12.1	2.1	22	0.6	1.5	0.2	60	0.17	0.073
1397499	Soil	0.5	38.3	23.4	117	1.1	17.0	14.2	610	3.75	8.8	0.6	16.9	1.9	47	0.4	0.5	0.2	56	0.68	0.054
1397500	Soil	0.4	25.6	18.1	114	0.5	5.2	10.2	374	4.23	15.3	0.7	30.8	4.1	58	0.1	0.6	0.2	27	0.10	0.086
1397482	Soil	1.2	32.1	21.2	90	0.2	18.1	10.1	403	2.78	20.5	1.0	22.8	4.9	17	0.2	0.7	0.1	41	0.22	0.037
1397483	Soil	1.0	31.6	24.3	102	0.3	16.5	7.6	311	2.67	16.0	0.8	20.6	4.3	18	0.2	0.7	0.1	42	0.22	0.038
1397484	Soil	0.9	26.7	14.0	77	0.3	19.0	11.3	393	2.71	12.3	0.9	15.7	2.5	17	0.3	0.5	0.1	49	0.24	0.061
1397485	Soil	1.0	27.1	11.1	67	0.3	20.1	14.6	608	2.74	10.1	0.8	8.5	1.9	19	0.2	0.5	0.2	53	0.23	0.061
1397486	Soil	0.6	35.5	7.8	63	0.2	21.1	10.2	420	2.92	9.9	0.9	6.9	3.5	20	<0.1	0.6	0.1	55	0.27	0.040
1397487	Soil	0.3	104.3	8.1	91	0.8	22.4	17.0	954	4.90	10.8	0.5	212.4	2.3	12	0.1	0.5	0.3	72	0.27	0.069
1397488	Soil	0.5	35.0	31.7	107	0.5	18.0	22.1	1234	4.97	17.6	0.8	34.8	1.9	11	0.4	0.7	0.3	84	0.15	0.046

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1397481	Soil	15	28	1.40	250	0.030	<1	1.96	0.004	0.07	<0.1	<0.01	3.2	<0.1	<0.05	5	0.6	<0.2
1264933	Soil	14	31	0.98	353	0.044	<1	1.87	0.011	0.04	0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
1264934	Soil	15	28	0.75	323	0.044	<1	1.62	0.012	0.04	0.2	0.05	5.4	<0.1	<0.05	5	<0.5	<0.2
1264935	Soil	13	25	0.79	261	0.034	<1	1.70	0.010	0.03	0.1	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
1264936	Soil	13	28	0.81	267	0.040	<1	1.73	0.009	0.04	0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
1264937	Soil	9	93	2.12	159	0.005	<1	2.49	0.003	0.01	<0.1	0.03	12.8	<0.1	<0.05	7	<0.5	<0.2
1264938	Soil	13	32	1.10	274	0.017	<1	2.05	0.006	0.03	0.1	0.04	7.7	<0.1	<0.05	5	0.7	<0.2
1264939	Soil	8	36	1.64	95	0.013	<1	2.14	0.005	0.02	<0.1	0.04	8.8	<0.1	<0.05	6	<0.5	<0.2
1397496	Soil	25	17	1.19	170	0.079	<1	1.29	0.006	0.13	<0.1	<0.01	3.8	0.2	<0.05	5	0.6	<0.2
1397497	Soil	11	25	1.23	125	0.033	<1	1.55	0.004	0.05	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
1397498	Soil	11	19	1.58	187	0.009	<1	2.03	0.008	0.04	<0.1	0.92	4.8	<0.1	<0.05	6	2.0	<0.2
1397499	Soil	10	22	1.78	459	0.009	<1	2.26	0.009	0.02	<0.1	0.06	7.2	<0.1	<0.05	6	0.7	<0.2
1397500	Soil	22	5	1.16	148	0.005	<1	1.67	0.047	0.06	<0.1	0.03	4.9	<0.1	0.17	5	1.1	<0.2
1397482	Soil	17	23	0.82	313	0.040	1	1.60	0.006	0.04	0.2	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
1397483	Soil	16	24	0.76	341	0.039	<1	1.67	0.008	0.04	0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
1397484	Soil	15	26	0.76	337	0.030	<1	1.71	0.008	0.04	0.3	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
1397485	Soil	13	29	0.83	297	0.032	2	1.77	0.008	0.04	0.2	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
1397486	Soil	14	32	0.97	288	0.042	<1	1.78	0.010	0.04	0.1	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2
1397487	Soil	6	27	1.66	198	0.009	<1	2.43	0.005	0.02	<0.1	0.02	11.4	<0.1	<0.05	7	<0.5	<0.2
1397488	Soil	9	21	2.77	459	0.010	<1	2.86	0.005	0.01	<0.1	0.04	12.2	<0.1	<0.05	7	0.5	<0.2

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Project: KSD
Report Date: July 26, 2013

QUALITY CONTROL REPORT WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1365479	Soil	1.0	48.5	27.1	140	0.7	15.8	11.4	502	3.50	10.1	0.9	14.4	4.0	14	0.6	0.6	0.3	48	0.14	0.035
REP 1365479	QC	1.0	48.7	25.9	135	0.7	16.0	11.3	503	3.52	10.0	0.8	15.1	3.8	13	0.5	0.4	0.3	49	0.14	0.034
1365489	Soil	2.7	42.2	117.8	252	0.3	14.4	11.8	442	3.91	10.7	1.3	11.5	4.8	15	0.9	0.5	<0.1	51	0.17	0.050
REP 1365489	QC	2.9	40.6	119.4	255	0.4	15.0	11.7	434	3.81	11.3	1.2	7.7	4.8	16	0.9	0.4	0.1	51	0.17	0.051
1399105	Soil	0.7	45.9	7.1	47	0.2	20.1	18.7	802	3.42	8.7	0.6	8.9	2.2	9	0.1	0.5	0.2	58	0.16	0.026
REP 1399105	QC	0.7	45.5	7.2	49	0.1	20.2	18.3	835	3.51	8.1	0.6	14.0	2.3	9	<0.1	0.7	0.2	58	0.17	0.026
1378170	Soil	0.9	79.8	13.7	66	0.7	22.6	16.9	684	3.02	10.5	1.2	14.4	3.0	22	0.2	0.6	0.3	60	0.57	0.057
REP 1378170	QC	0.8	79.5	12.9	69	0.6	22.2	17.3	673	2.99	10.7	1.1	12.3	2.9	22	0.2	0.5	0.3	59	0.58	0.056
1365680	Soil	1.1	39.1	8.3	88	0.2	11.7	17.0	504	4.56	4.8	0.9	6.6	4.6	6	<0.1	0.3	0.1	60	0.13	0.060
REP 1365680	QC	1.3	38.3	8.6	84	0.2	11.5	15.9	473	4.29	4.7	0.9	6.0	4.6	6	0.1	0.3	0.1	57	0.14	0.061
1264893	Soil	0.9	38.5	8.2	48	0.3	15.3	13.2	835	2.75	7.0	1.6	13.8	2.4	36	0.1	0.5	0.3	40	1.19	0.053
REP 1264893	QC	0.8	38.6	7.8	48	0.3	15.2	13.0	840	2.71	7.2	1.5	10.6	2.4	34	0.1	0.4	0.2	38	1.10	0.051
1278793	Soil	0.5	32.3	4.2	43	0.3	2.6	13.1	704	3.83	8.9	1.3	12.0	5.5	3	0.1	0.7	0.3	13	0.12	0.091
REP 1278793	QC	0.4	32.5	4.3	44	0.2	2.7	13.6	712	3.91	9.3	1.2	16.2	5.4	3	<0.1	0.6	0.3	13	0.12	0.092
1378006	Soil	1.0	33.8	24.4	101	0.2	14.3	10.7	482	3.82	39.3	1.3	35.3	4.1	12	0.1	0.6	0.2	52	0.17	0.048
REP 1378006	QC	1.1	33.6	24.0	105	0.2	15.0	10.6	482	3.82	39.5	1.2	58.6	4.1	12	0.1	0.6	0.2	52	0.17	0.045
1378010	Soil	0.7	90.8	9.5	60	0.5	25.1	19.1	957	3.73	8.6	0.6	15.6	3.5	32	0.2	0.2	0.5	47	0.88	0.037
REP 1378010	QC	0.6	97.0	9.6	62	0.6	26.4	19.8	979	3.86	8.2	0.5	15.8	3.5	32	0.3	0.2	0.5	48	0.94	0.038
1399109	Soil	0.3	210.4	10.7	117	1.1	18.2	32.2	1909	5.59	27.7	0.4	14.5	3.0	5	1.5	0.6	0.7	66	0.17	0.067
REP 1399109	QC	0.4	209.9	10.9	121	1.1	19.4	31.9	1876	5.64	27.6	0.4	14.7	2.9	5	1.4	0.6	0.6	66	0.17	0.061
1399135	Soil	0.6	75.6	11.9	68	1.1	22.6	18.5	472	3.90	22.6	0.9	15.2	3.5	16	0.1	0.6	1.8	64	0.36	0.065
REP 1399135	QC	1.1	76.5	12.1	70	1.2	22.0	19.6	487	3.95	23.1	0.9	15.8	3.5	16	0.4	0.6	1.8	66	0.36	0.066
1378039	Soil	1.0	35.0	10.9	50	0.4	14.8	17.1	694	3.24	10.6	0.6	15.0	2.4	16	0.2	0.6	0.4	43	0.36	0.064
REP 1378039	QC	0.9	34.5	10.7	49	0.3	15.8	16.6	692	3.14	10.3	0.6	11.1	2.2	16	0.2	0.6	0.3	40	0.36	0.062
1378090	Soil	0.5	27.2	8.6	54	0.3	19.4	16.2	809	2.92	8.5	0.4	14.6	1.3	34	0.2	0.4	0.2	46	1.09	0.044
REP 1378090	QC	0.6	27.7	9.2	53	0.3	19.7	16.1	825	2.93	8.2	0.4	25.5	1.3	34	0.2	0.4	0.2	45	1.15	0.044
1378069	Soil	0.8	44.8	7.0	55	0.2	6.4	16.7	770	3.92	16.5	1.0	8.0	3.4	9	<0.1	0.4	0.5	38	0.19	0.086
REP 1378069	QC	0.8	45.5	7.0	55	0.2	5.8	17.0	766	3.92	17.1	0.9	4.3	3.4	8	0.1	0.4	0.5	37	0.19	0.084

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QUALITY CONTROL REPORT WHI13000111.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1365479	Soil	16	23	1.29	378	0.022	1	2.03	0.006	0.03	<0.1	0.05	5.2	<0.1	<0.05	5	<0.5	<0.2
REP 1365479	QC	16	24	1.30	369	0.024	<1	1.96	0.006	0.03	<0.1	0.05	5.3	<0.1	<0.05	5	<0.5	<0.2
1365489	Soil	16	20	1.33	262	0.025	<1	2.05	0.006	0.03	<0.1	0.33	4.8	<0.1	<0.05	5	<0.5	<0.2
REP 1365489	QC	15	19	1.39	257	0.025	1	2.06	0.007	0.04	0.1	0.32	4.7	<0.1	<0.05	6	<0.5	<0.2
1399105	Soil	10	26	1.18	161	0.045	<1	2.05	0.006	0.03	<0.1	0.04	7.3	<0.1	<0.05	5	<0.5	<0.2
REP 1399105	QC	10	25	1.23	165	0.042	<1	2.13	0.005	0.03	0.1	0.07	7.5	<0.1	<0.05	5	<0.5	<0.2
1378170	Soil	13	28	0.96	310	0.029	<1	1.86	0.010	0.03	0.2	0.05	7.4	<0.1	<0.05	5	<0.5	<0.2
REP 1378170	QC	13	27	0.92	300	0.029	<1	1.84	0.009	0.03	0.2	0.03	7.3	<0.1	<0.05	5	0.5	<0.2
1365680	Soil	19	22	2.02	212	0.009	<1	2.56	0.004	0.02	<0.1	0.03	7.5	<0.1	<0.05	8	<0.5	<0.2
REP 1365680	QC	19	20	1.98	209	0.009	<1	2.39	0.003	0.02	<0.1	0.04	7.2	<0.1	<0.05	7	<0.5	<0.2
1264893	Soil	13	22	0.53	265	0.020	<1	1.58	0.008	0.03	0.1	0.03	4.3	<0.1	0.10	5	0.7	<0.2
REP 1264893	QC	12	20	0.51	244	0.020	<1	1.50	0.008	0.03	0.2	0.04	3.9	<0.1	0.09	4	0.6	<0.2
1278793	Soil	28	3	0.88	42	0.019	1	1.19	0.003	0.02	<0.1	0.06	4.0	<0.1	<0.05	3	<0.5	<0.2
REP 1278793	QC	27	3	0.90	39	0.020	<1	1.24	0.003	0.01	<0.1	0.04	4.0	<0.1	<0.05	3	<0.5	<0.2
1378006	Soil	12	22	1.13	280	0.032	<1	2.01	0.004	0.03	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
REP 1378006	QC	12	22	1.10	277	0.034	<1	1.96	0.004	0.02	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1378010	Soil	11	53	1.71	54	0.002	1	1.94	0.003	0.01	<0.1	<0.01	6.6	<0.1	0.06	5	1.3	<0.2
REP 1378010	QC	12	55	1.78	54	0.003	2	2.04	0.003	0.02	<0.1	0.02	6.7	<0.1	0.06	5	1.5	<0.2
1399109	Soil	17	22	2.16	98	0.004	<1	2.52	0.004	0.01	<0.1	0.06	11.6	<0.1	<0.05	6	1.1	<0.2
REP 1399109	QC	17	23	2.11	98	0.005	1	2.46	0.001	<0.01	<0.1	0.05	11.7	<0.1	<0.05	6	1.1	<0.2
1399135	Soil	19	29	1.30	222	0.020	<1	1.99	0.005	0.02	<0.1	0.05	8.7	<0.1	<0.05	5	<0.5	0.5
REP 1399135	QC	20	31	1.32	229	0.021	1	2.03	0.005	0.03	<0.1	0.04	8.9	<0.1	<0.05	6	1.1	0.5
1378039	Soil	10	19	0.83	279	0.025	<1	1.44	0.007	0.03	0.1	0.03	5.4	<0.1	<0.05	4	<0.5	<0.2
REP 1378039	QC	10	18	0.78	272	0.022	<1	1.32	0.007	0.03	0.1	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
1378090	Soil	7	32	1.04	350	0.016	2	1.43	0.009	0.02	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
REP 1378090	QC	6	33	1.06	356	0.016	<1	1.43	0.009	0.02	0.1	0.02	5.7	<0.1	<0.05	4	1.1	<0.2
1378069	Soil	17	11	1.23	110	0.014	<1	2.11	0.004	0.03	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
REP 1378069	QC	17	10	1.24	109	0.014	<1	2.10	0.005	0.02	<0.1	0.03	4.0	<0.1	<0.05	5	0.8	0.2

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1379752	Soil	0.7	62.5	10.5	61	1.7	17.3	18.9	702	3.73	25.8	0.7	24.5	2.7	17	0.4	0.4	2.2	61	0.58	0.067
REP 1379752	QC	0.8	64.9	10.6	61	1.8	17.8	19.8	716	3.90	26.1	0.7	24.3	2.8	17	0.5	0.4	2.2	64	0.58	0.068
1397451	Rock Pulp	2.5	24.9	2.2	44	0.3	24.4	11.0	432	2.60	4.7	0.2	0.9	0.8	36	0.2	0.3	<0.1	66	0.81	0.060
REP 1397451	QC	2.5	24.4	2.1	44	0.3	24.7	10.6	408	2.52	5.0	0.2	1.7	0.8	36	0.2	0.3	<0.1	67	0.85	0.059
1397467	Soil	1.4	37.2	11.7	90	0.1	31.1	15.7	656	3.45	133.8	0.7	22.2	4.4	14	0.4	0.5	0.2	54	0.17	0.065
REP 1397467	QC	1.4	36.6	11.4	92	0.1	31.8	16.8	667	3.39	136.7	0.7	4.7	4.5	14	0.7	0.6	0.2	55	0.17	0.071
1264933	Soil	0.6	42.2	9.6	70	0.2	24.5	10.6	463	3.15	10.7	0.9	14.1	3.7	22	<0.1	0.7	0.2	56	0.29	0.039
REP 1264933	QC	0.8	40.8	10.0	70	0.2	23.9	10.6	467	3.16	10.5	0.9	7.1	3.6	23	<0.1	0.7	0.2	55	0.30	0.038
1264938	Soil	0.6	66.4	7.6	84	0.9	26.2	18.7	1408	3.16	8.9	0.9	19.2	1.5	24	0.7	0.3	0.2	56	0.53	0.078
REP 1264938	QC	0.7	65.1	7.6	83	0.9	25.7	18.5	1371	3.12	9.5	0.9	22.2	1.5	23	0.7	0.4	0.1	54	0.53	0.079
Reference Materials																					
STD DS9	Standard	13.1	110.0	126.6	306	1.7	38.7	7.5	615	2.63	25.9	2.7	113.9	6.8	65	2.3	5.6	6.0	43	0.68	0.076
STD DS9	Standard	12.7	105.4	127.7	314	1.8	36.8	7.7	666	2.49	25.1	2.7	102.4	6.7	70	2.5	5.8	5.8	42	0.71	0.084
STD DS9	Standard	13.5	109.0	125.4	310	1.8	38.9	7.8	607	2.63	25.5	2.6	115.6	6.6	65	2.4	5.8	6.1	39	0.66	0.075
STD DS9	Standard	12.6	107.6	126.5	311	1.8	35.9	7.4	628	2.37	23.2	2.6	106.5	6.4	65	1.7	6.0	6.1	40	0.69	0.077
STD DS9	Standard	12.7	107.1	125.3	309	1.6	36.0	7.3	630	2.34	23.6	2.6	119.6	6.0	63	2.2	5.6	5.8	41	0.67	0.083
STD DS9	Standard	12.9	110.8	126.1	315	1.7	38.1	7.4	622	2.64	25.2	2.6	103.6	6.4	66	2.6	6.1	6.5	43	0.65	0.078
STD DS9	Standard	13.7	112.8	131.4	317	1.8	39.3	7.9	681	2.56	24.6	2.7	109.7	7.0	72	2.3	5.9	6.1	44	0.74	0.081
STD DS9	Standard	13.1	111.3	125.9	311	1.9	37.6	7.4	593	2.57	24.5	2.5	107.6	6.2	64	2.2	5.9	6.3	40	0.66	0.075
STD DS9	Standard	14.2	111.2	126.3	299	1.5	39.3	7.5	627	2.45	24.6	2.9	119.2	7.3	72	2.1	5.8	6.3	46	0.72	0.076
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.7	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: July 26, 2013

QUALITY CONTROL REPORT WHI13000111.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1379752	Soil	13	23	1.12	194	0.012	<1	1.86	0.004	0.02	<0.1	0.06	6.5	<0.1	<0.05	5	1.2	0.8
REP 1379752	QC	13	25	1.19	200	0.013	<1	1.98	0.004	0.02	<0.1	0.06	7.1	<0.1	0.08	5	1.0	0.8
1397451	Rock Pulp	4	32	0.78	95	0.112	2	1.52	0.073	0.12	12.3	<0.01	4.6	<0.1	0.08	5	<0.5	<0.2
REP 1397451	QC	4	33	0.80	93	0.111	2	1.53	0.076	0.12	11.9	0.02	4.7	<0.1	0.09	5	<0.5	<0.2
1397467	Soil	16	33	1.24	255	0.032	<1	1.92	0.003	0.06	<0.1	0.01	4.2	<0.1	<0.05	5	0.9	<0.2
REP 1397467	QC	16	33	1.25	260	0.030	<1	1.95	0.003	0.05	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
1264933	Soil	14	31	0.98	353	0.044	<1	1.87	0.011	0.04	0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
REP 1264933	QC	14	31	1.01	360	0.045	<1	1.90	0.011	0.04	0.2	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
1264938	Soil	13	32	1.10	274	0.017	<1	2.05	0.006	0.03	0.1	0.04	7.7	<0.1	<0.05	5	0.7	<0.2
REP 1264938	QC	12	32	1.07	262	0.017	<1	2.00	0.006	0.03	0.1	0.04	7.5	<0.1	<0.05	5	0.6	<0.2
Reference Materials																		
STD DS9	Standard	15	119	0.61	287	0.119	3	0.92	0.076	0.42	3.2	0.25	2.6	5.2	0.14	5	5.6	5.0
STD DS9	Standard	16	119	0.69	286	0.119	3	0.93	0.100	0.42	3.2	0.22	2.8	5.3	0.16	5	6.3	4.6
STD DS9	Standard	14	116	0.59	276	0.110	3	0.90	0.079	0.42	3.1	0.22	2.7	5.1	0.14	5	5.5	4.4
STD DS9	Standard	14	115	0.68	269	0.106	3	0.89	0.092	0.41	2.9	0.21	2.6	5.2	0.06	5	4.8	4.7
STD DS9	Standard	14	115	0.69	269	0.105	3	0.89	0.091	0.41	3.1	0.18	2.7	5.1	0.13	5	3.6	4.8
STD DS9	Standard	15	121	0.60	299	0.115	<1	0.90	0.073	0.40	3.4	0.22	2.5	5.3	0.16	5	4.5	5.0
STD DS9	Standard	17	124	0.72	291	0.123	3	0.98	0.097	0.44	2.9	0.18	2.9	5.5	0.12	4	5.2	5.3
STD DS9	Standard	13	118	0.58	267	0.112	3	0.87	0.082	0.41	3.1	0.22	2.4	5.1	0.14	5	4.7	5.1
STD DS9	Standard	17	126	0.59	288	0.123	3	0.94	0.083	0.40	2.7	0.19	2.4	5.0	0.11	5	6.3	4.9
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.03	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: July 26, 2013

QUALITY CONTROL REPORT WHI13000111.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Project: KSD
Report Date: July 26, 2013

QUALITY CONTROL REPORT WHI13000111.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.07	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	0.1	<0.05	<1	0.6	<0.2

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Client: **Pacific Ridge Exploration Ltd.**
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Vancouver BC V6E 3T5 CANADA

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: July 10, 2013
Report Date: July 25, 2013
Page: 1 of 6

CERTIFICATE OF ANALYSIS WHI13000112.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSD-Soil2013-001
P.O. Number
Number of Samples: 148

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	148	Dry at 60C			WHI
SS80	147	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	148	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
CANADA

CC: Isaac Fage
John Brock

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
Country Manager - Canada

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

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1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1397489	Soil	0.9	31.1	28.6	144	0.6	12.3	16.4	930	4.09	9.1	0.6	18.1	2.6	20	0.6	0.7	0.5	39	0.18	0.085
1397490	Soil	1.1	36.5	24.6	153	0.7	13.4	24.0	1218	4.62	8.2	0.7	42.0	3.2	21	1.4	0.4	0.3	42	0.29	0.065
1397491	Soil	0.8	44.0	24.4	167	0.9	12.7	19.9	933	4.46	9.8	0.6	40.4	3.3	21	1.3	0.4	0.3	41	0.25	0.064
1264926	Soil	1.0	31.8	26.6	99	0.8	11.5	9.7	335	4.92	9.2	0.5	13.8	2.5	33	<0.1	0.6	0.3	51	0.05	0.053
1264927	Soil	0.5	34.4	27.6	128	0.5	13.5	10.5	497	3.70	11.1	0.6	17.3	2.4	10	0.2	0.5	0.2	50	0.14	0.025
1264928	Soil	0.5	45.2	7.3	58	0.3	21.9	10.0	349	3.06	7.2	0.5	9.3	2.5	11	<0.1	0.5	0.2	55	0.18	0.022
1264929	Soil	0.6	56.3	7.1	68	0.4	25.4	12.5	509	3.39	8.8	0.4	17.7	2.6	10	<0.1	0.5	0.2	59	0.19	0.042
1264930	Soil	0.5	75.4	7.2	73	0.4	24.1	13.4	515	3.89	10.3	0.5	22.4	2.2	8	<0.1	0.4	0.3	65	0.14	0.032
1264931	Soil	0.9	22.5	8.7	63	0.2	16.1	11.5	404	2.88	10.1	0.5	5.9	2.1	14	0.3	0.5	0.2	47	0.21	0.054
1264932	Soil	0.8	32.4	18.7	112	0.2	16.0	8.2	256	2.77	19.2	0.8	95.5	3.5	13	0.3	0.5	0.1	42	0.17	0.042
1397492	Soil	3.2	58.5	166.0	142	1.6	13.5	7.8	251	3.66	25.5	1.7	31.9	3.1	42	0.4	6.4	<0.1	37	0.20	0.064
1397493	Soil	0.6	21.1	10.3	68	<0.1	17.4	8.4	270	2.55	11.1	0.7	3.4	3.6	15	0.3	0.3	<0.1	42	0.26	0.072
1397494	Soil	0.7	27.6	11.2	82	0.3	23.7	8.9	319	3.16	14.3	1.1	3.5	4.2	21	0.3	0.4	0.1	54	0.29	0.069
1397495	Soil	1.0	27.2	15.4	65	0.3	20.6	6.8	204	2.62	16.4	1.1	3.5	1.0	16	0.3	0.2	0.1	42	0.19	0.065
1365346	Soil	0.2	15.8	25.5	86	0.4	15.0	10.5	754	3.40	26.7	0.8	7.5	4.6	28	0.3	0.2	0.2	49	0.39	0.089
1365344	Soil	0.3	13.9	11.9	86	0.1	9.6	7.3	592	3.04	28.2	0.8	14.5	6.1	14	0.3	0.4	<0.1	23	0.35	0.114
1365345	Soil	0.2	13.2	5.2	79	0.2	8.0	6.1	483	2.69	56.2	0.8	24.8	4.7	16	0.3	0.4	<0.1	19	0.31	0.101
1365348	Soil	0.3	29.9	11.4	87	0.5	28.9	16.1	936	3.67	75.2	1.1	10.3	4.6	11	0.5	0.2	<0.1	59	0.30	0.097
1365350	Soil	1.3	26.4	16.4	81	0.1	17.3	9.4	297	2.96	36.3	0.8	46.9	3.5	16	0.2	0.5	0.2	46	0.21	0.051
1365343	Soil	0.4	20.7	9.2	66	0.4	7.7	6.6	329	2.65	33.4	1.3	11.0	4.0	40	0.5	0.3	0.1	27	1.07	0.080
1365347	Soil	0.4	16.9	7.5	77	0.1	12.5	8.3	369	3.05	35.7	0.6	15.2	4.5	11	0.1	0.3	<0.1	38	0.18	0.058
1365349	Soil	1.2	31.2	17.9	109	0.2	20.0	8.1	334	3.10	90.2	0.8	10.0	4.1	13	0.3	0.6	0.2	40	0.15	0.039
1365352	Soil	0.6	19.8	13.6	72	0.2	15.0	7.3	268	2.74	53.5	0.7	7.7	3.0	13	0.3	0.5	<0.1	37	0.22	0.066
1365353	Soil	0.8	21.7	15.1	106	0.1	18.0	7.1	302	2.96	77.9	0.8	8.2	3.4	11	0.2	0.4	<0.1	36	0.17	0.052
1378155	Soil	0.8	73.6	75.9	217	0.3	5.5	2.5	274	4.83	2.9	0.7	28.2	4.8	27	0.3	0.4	<0.1	25	0.02	0.060
1365351	Rock Pulp	2.0	22.8	2.2	42	0.2	21.6	9.5	352	2.34	4.6	0.2	2.0	0.8	32	0.1	0.3	<0.1	56	0.73	0.054
1378156	Soil	1.4	25.6	16.2	60	0.5	17.8	9.3	213	3.58	13.2	1.0	9.0	4.7	12	<0.1	0.5	0.2	59	0.10	0.026
1378157	Soil	0.9	24.1	16.5	73	0.2	17.9	9.3	239	3.20	47.1	0.6	7.0	7.9	3	0.2	0.4	0.1	40	0.05	0.017
1378124	Soil	0.4	30.9	10.7	76	0.2	32.3	16.2	572	3.73	4.4	0.3	8.5	1.4	10	0.2	0.3	<0.1	66	0.20	0.042
1378160	Soil	1.5	54.2	12.6	82	<0.1	36.7	16.2	375	3.54	66.5	0.9	43.7	5.8	7	0.2	0.4	0.1	55	0.16	0.049

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Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1397489	Soil	11	20	1.32	250	0.010	2	1.70	0.009	0.03	<0.1	0.02	4.1	<0.1	<0.05	5	0.6	<0.2
1397490	Soil	13	15	1.28	376	0.009	2	1.94	0.011	0.02	0.1	0.02	5.3	<0.1	<0.05	5	0.5	<0.2
1397491	Soil	14	12	1.36	241	0.005	2	1.75	0.006	0.02	<0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
1264926	Soil	14	12	1.66	161	0.005	1	2.25	0.012	0.02	<0.1	0.02	6.3	<0.1	0.06	6	1.1	<0.2
1264927	Soil	10	17	1.82	596	0.010	2	2.20	0.004	0.01	<0.1	0.05	7.3	<0.1	<0.05	6	0.8	<0.2
1264928	Soil	9	37	1.08	205	0.023	1	1.81	0.005	0.02	0.1	0.02	6.2	<0.1	<0.05	5	<0.5	<0.2
1264929	Soil	8	50	1.21	173	0.019	<1	1.88	0.004	0.02	0.1	0.01	6.9	<0.1	<0.05	5	0.9	<0.2
1264930	Soil	7	39	1.53	151	0.022	2	2.31	0.004	0.02	<0.1	0.03	8.2	<0.1	<0.05	6	<0.5	<0.2
1264931	Soil	9	24	0.69	227	0.028	2	1.43	0.005	0.03	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
1264932	Soil	13	22	0.82	257	0.026	2	1.54	0.005	0.02	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
1397492	Soil	12	20	0.92	224	0.016	1	1.39	0.013	0.08	0.1	4.79	3.5	<0.1	0.19	4	0.8	<0.2
1397493	Soil	14	25	1.01	246	0.034	2	1.53	0.004	0.04	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
1397494	Soil	16	31	1.14	327	0.033	1	1.94	0.005	0.04	0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
1397495	Soil	18	26	0.94	301	0.020	<1	1.84	0.005	0.07	<0.1	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
1365346	Soil	15	41	1.39	76	0.047	1	1.63	0.002	0.10	<0.1	0.02	9.3	0.2	<0.05	6	<0.5	<0.2
1365344	Soil	23	14	0.99	110	0.009	<1	1.35	0.002	0.06	<0.1	<0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
1365345	Soil	12	10	0.68	115	0.008	1	1.13	0.003	0.05	<0.1	<0.01	5.4	<0.1	<0.05	4	<0.5	<0.2
1365348	Soil	11	38	1.68	103	0.006	1	1.99	0.002	0.02	<0.1	<0.01	7.8	<0.1	<0.05	6	<0.5	<0.2
1365350	Soil	13	25	0.73	248	0.036	1	1.61	0.005	0.03	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1365343	Soil	14	15	0.93	230	0.011	3	1.35	0.006	0.07	<0.1	0.02	4.9	<0.1	0.08	5	0.9	<0.2
1365347	Soil	16	22	1.09	187	0.017	<1	1.73	0.003	0.04	<0.1	0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
1365349	Soil	12	25	0.94	213	0.027	1	1.69	0.004	0.03	<0.1	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
1365352	Soil	13	21	0.93	219	0.024	<1	1.53	0.003	0.03	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
1365353	Soil	13	22	0.91	205	0.023	<1	1.58	0.004	0.03	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
1378155	Soil	16	12	1.44	202	0.002	<1	1.84	0.011	0.06	<0.1	0.06	2.9	<0.1	0.12	5	0.5	<0.2
1365351	Rock Pulp	4	27	0.68	86	0.100	3	1.34	0.059	0.12	13.7	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
1378156	Soil	16	36	0.81	324	0.033	2	2.13	0.005	0.04	<0.1	0.04	4.6	<0.1	<0.05	6	<0.5	<0.2
1378157	Soil	23	29	1.34	168	0.047	1	1.87	0.002	0.04	<0.1	<0.01	5.8	<0.1	<0.05	6	<0.5	<0.2
1378124	Soil	5	73	2.15	293	0.019	<1	2.50	0.002	0.02	<0.1	0.05	5.7	<0.1	<0.05	6	<0.5	<0.2
1378160	Soil	19	36	1.43	122	0.045	<1	1.78	0.002	0.02	<0.1	0.01	6.7	<0.1	<0.05	6	0.8	<0.2

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Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1378161	Soil		0.8	21.0	10.6	65	0.3	17.2	9.1	270	3.06	18.5	0.4	4.5	3.9	7	0.2	0.3	<0.1	46	0.10	0.018
1378158	Soil		1.1	16.2	11.1	60	0.6	17.0	9.1	199	3.29	17.7	0.4	1.9	3.4	7	<0.1	0.4	0.1	64	0.09	0.025
1378121	Soil		1.0	33.8	11.6	89	<0.1	27.3	12.3	455	2.93	11.4	0.5	3.6	3.3	43	0.4	0.9	0.1	52	0.78	0.069
1378119	Soil		0.4	24.7	10.4	104	0.5	13.7	8.4	393	2.65	35.8	2.0	14.7	2.4	32	1.9	0.3	<0.1	35	0.58	0.087
1378123	Soil		1.9	40.6	76.0	159	0.3	19.5	16.9	756	3.68	9.8	0.8	7.5	3.0	19	0.6	0.4	0.3	48	0.27	0.078
1378125	Soil		0.5	31.1	12.9	84	0.2	29.3	16.3	673	3.71	4.6	0.3	10.5	1.6	12	0.3	0.3	0.2	70	0.23	0.052
1378122	Soil		2.1	74.9	53.9	252	1.0	9.2	20.4	808	7.04	17.7	1.5	31.1	3.2	17	2.2	0.6	0.4	59	0.27	0.098
1378153	Soil		0.5	30.5	7.4	81	0.2	19.2	15.1	1144	3.87	6.0	0.3	9.1	2.0	9	0.3	0.2	0.2	56	0.29	0.063
1378120	Soil		0.7	25.8	11.2	81	0.2	18.0	8.6	338	2.48	15.3	0.7	22.9	3.2	25	0.7	0.5	0.1	44	0.35	0.079
1378152	Soil		0.8	41.8	22.1	179	0.6	23.8	22.7	1682	3.53	5.3	0.6	22.9	3.6	10	1.2	0.2	0.2	45	0.26	0.089
1378111	Soil		0.7	27.7	9.1	86	0.1	20.5	9.5	346	3.20	63.9	1.1	12.3	4.2	16	0.2	0.4	0.1	49	0.29	0.066
1378110	Soil		0.8	18.9	14.4	83	0.1	14.1	7.3	216	2.51	52.0	0.7	9.6	3.2	13	0.1	0.4	<0.1	41	0.21	0.054
1378154	Soil		0.7	19.7	11.7	68	0.2	16.9	10.8	406	2.93	6.2	0.3	4.7	2.1	7	0.2	0.2	0.1	55	0.22	0.029
1378118	Soil		0.9	34.1	16.3	89	0.3	11.3	11.0	337	2.81	37.6	0.8	16.4	3.6	9	0.9	0.2	<0.1	43	0.28	0.057
1365355	Soil		1.0	25.8	13.0	84	0.1	21.2	8.0	277	2.75	80.8	0.6	6.6	4.3	10	0.2	0.5	0.1	43	0.14	0.054
1378112	Soil		0.7	27.7	8.2	71	0.1	20.1	12.1	364	2.87	65.4	0.6	9.0	3.7	15	0.1	0.4	<0.1	46	0.28	0.051
1378109	Soil		1.1	27.3	13.9	88	0.2	23.0	8.8	351	2.90	67.3	0.7	6.7	4.0	12	0.2	0.5	0.1	43	0.18	0.055
1365354	Soil		1.1	20.4	10.8	60	0.1	17.8	12.0	838	2.40	69.6	0.6	4.6	1.8	10	0.2	0.4	<0.1	36	0.15	0.072
1378114	Soil		0.6	17.3	17.8	89	<0.1	10.4	5.9	183	2.88	21.5	1.0	9.9	5.3	13	0.3	0.3	<0.1	35	0.30	0.106
1378116	Soil		1.4	37.6	26.4	108	0.1	29.8	15.6	672	3.38	87.5	0.9	4.2	4.7	17	0.5	0.7	0.1	48	0.25	0.063
1378113	Soil		0.6	20.9	11.8	96	0.1	14.3	7.7	299	3.16	58.1	1.0	9.1	4.6	16	0.2	0.3	<0.1	40	0.34	0.088
1378117	Soil		1.5	38.6	70.3	245	0.4	33.2	17.6	968	4.16	56.2	1.0	5.9	4.8	11	1.0	0.5	0.2	39	0.15	0.052
1278802	Soil		0.4	14.4	2.6	39	<0.1	9.1	10.0	425	3.21	6.3	0.3	111.8	2.4	9	<0.1	0.3	<0.1	40	0.17	0.053
1278804	Soil		0.8	20.7	4.5	42	<0.1	10.1	10.5	446	3.38	9.1	0.4	8.3	2.8	5	<0.1	0.3	0.1	47	0.11	0.048
1278803	Soil		0.7	20.9	6.0	43	0.1	13.4	8.4	296	2.54	7.9	0.7	12.6	3.4	9	<0.1	0.4	0.1	49	0.12	0.024
1378115	Soil		1.3	32.4	12.1	81	0.2	25.4	9.5	402	2.69	25.1	0.5	5.9	4.4	20	0.3	0.8	0.1	44	0.30	0.073
1278807	Soil		0.9	28.0	6.5	48	<0.1	17.5	9.2	358	2.56	7.8	0.7	7.6	3.6	14	<0.1	0.4	0.1	49	0.18	0.022
1278808	Soil		0.8	41.0	6.2	51	0.2	16.0	10.5	434	2.58	7.4	0.4	7.5	3.2	14	0.2	0.5	0.1	44	0.28	0.062
1278809	Soil		1.1	25.5	9.1	65	0.2	24.6	11.3	451	2.57	8.5	0.6	4.6	3.3	26	0.2	0.6	0.1	57	0.39	0.062
1278810	Soil		1.0	18.9	8.3	51	0.2	19.7	9.3	383	2.40	7.9	0.5	3.5	2.1	20	<0.1	0.5	0.1	52	0.30	0.052

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Project: KSD
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CERTIFICATE OF ANALYSIS WHI13000112.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1378161	Soil		14	30	1.19	224	0.030	2	1.95	0.003	0.04	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1378158	Soil		9	33	0.88	221	0.044	1	2.05	0.003	0.04	0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1378121	Soil		14	28	0.78	372	0.061	2	1.38	0.025	0.06	0.2	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
1378119	Soil		13	19	0.87	331	0.013	<1	1.50	0.004	0.04	<0.1	0.04	5.1	<0.1	0.09	4	0.9	<0.2
1378123	Soil		11	29	1.56	328	0.019	3	2.05	0.005	0.04	<0.1	0.24	4.5	<0.1	<0.05	6	<0.5	<0.2
1378125	Soil		6	65	2.17	305	0.028	<1	2.73	0.003	0.03	<0.1	0.04	5.7	<0.1	<0.05	6	<0.5	<0.2
1378122	Soil		16	7	2.30	191	0.006	2	2.58	0.010	0.03	<0.1	0.60	7.7	<0.1	0.07	6	2.9	0.2
1378153	Soil		8	33	1.77	181	0.011	<1	2.35	0.003	0.03	<0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
1378120	Soil		16	24	0.74	242	0.048	1	1.43	0.012	0.07	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
1378152	Soil		14	37	1.73	307	0.010	<1	2.13	0.003	0.03	<0.1	0.24	4.7	<0.1	<0.05	5	<0.5	<0.2
1378111	Soil		13	32	1.25	220	0.038	<1	2.04	0.005	0.03	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1378110	Soil		13	22	1.00	217	0.027	<1	1.61	0.005	0.03	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1378154	Soil		8	30	1.18	189	0.016	<1	1.89	0.004	0.03	0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1378118	Soil		9	15	1.66	47	0.003	<1	1.90	0.003	0.02	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1365355	Soil		13	26	1.03	195	0.029	<1	1.91	0.004	0.03	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1378112	Soil		12	27	1.28	211	0.033	<1	2.01	0.004	0.03	<0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
1378109	Soil		13	28	1.25	214	0.027	<1	2.03	0.005	0.04	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1365354	Soil		10	23	0.85	161	0.019	<1	1.38	0.003	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1378114	Soil		17	22	2.05	161	0.016	<1	2.13	0.002	0.01	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1378116	Soil		11	28	0.99	223	0.032	<1	1.88	0.005	0.04	<0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
1378113	Soil		17	25	1.96	198	0.027	<1	2.34	0.004	0.02	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1378117	Soil		12	26	1.47	172	0.004	<1	1.95	0.002	0.02	<0.1	0.04	3.0	<0.1	<0.05	5	0.5	<0.2
1278802	Soil		8	9	1.01	127	0.027	<1	1.64	0.003	0.02	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1278804	Soil		5	13	0.92	114	0.028	<1	1.84	0.003	0.02	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
1278803	Soil		13	21	0.65	176	0.038	<1	1.54	0.005	0.02	0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
1378115	Soil		13	31	0.73	430	0.039	<1	1.31	0.011	0.04	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
1278807	Soil		13	24	0.71	262	0.038	<1	1.62	0.007	0.03	0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
1278808	Soil		11	18	0.78	236	0.031	<1	1.39	0.008	0.03	0.2	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
1278809	Soil		15	32	0.66	321	0.042	<1	1.54	0.012	0.04	0.3	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
1278810	Soil		13	28	0.53	277	0.030	<1	1.53	0.010	0.04	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2

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CERTIFICATE OF ANALYSIS WHI13000112.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1264941	Soil	1.0	22.1	6.2	42	0.3	16.7	15.0	1199	2.57	8.0	0.5	4.1	2.4	16	0.1	0.3	0.1	49	0.29	0.041
1264940	Soil	0.5	10.9	3.4	35	0.1	11.2	9.4	589	2.43	8.4	0.4	3.5	3.0	7	<0.1	0.1	<0.1	31	0.24	0.087
1278805	Soil	0.7	18.0	6.0	40	<0.1	14.8	9.6	324	3.07	9.1	0.4	18.7	2.7	7	<0.1	0.4	0.1	51	0.10	0.043
1278806	Soil	1.0	25.0	8.0	48	0.1	16.5	9.5	362	2.70	9.0	0.7	4.5	3.7	12	<0.1	0.4	0.1	58	0.13	0.022
1278815	Soil	0.7	22.3	7.0	43	0.1	13.7	9.4	351	2.63	9.1	0.6	4.2	3.8	12	<0.1	0.4	0.2	46	0.19	0.042
1264944	Soil	0.7	24.3	5.7	46	<0.1	18.7	11.2	333	2.34	7.1	0.5	3.9	2.5	15	<0.1	0.3	0.1	48	0.22	0.029
1264950	Soil	0.7	13.8	6.0	41	<0.1	12.3	7.5	282	2.44	8.1	0.6	23.3	3.2	6	<0.1	0.4	0.1	46	0.08	0.038
1264942	Soil	0.6	19.8	4.8	37	<0.1	14.4	12.9	395	2.17	7.1	0.3	3.8	1.7	10	0.1	0.3	<0.1	41	0.18	0.029
1278814	Soil	1.1	21.8	7.9	48	0.3	16.7	10.0	424	2.59	7.5	0.5	3.2	3.1	16	<0.1	0.4	0.1	56	0.23	0.041
1278811	Soil	0.7	19.3	6.9	44	0.2	15.2	7.9	319	2.68	9.3	0.5	18.4	3.4	11	0.1	0.3	0.1	49	0.20	0.059
1264946	Soil	0.7	20.6	6.3	49	<0.1	16.7	11.0	318	2.42	7.4	0.5	16.0	2.6	13	<0.1	0.4	<0.1	52	0.20	0.024
1264949	Soil	0.7	16.2	5.4	43	<0.1	14.2	9.9	315	2.67	7.9	0.6	5.2	3.5	7	<0.1	0.3	0.1	51	0.09	0.021
1278817	Soil	1.1	23.8	9.0	53	0.3	20.2	9.7	358	2.69	10.2	0.5	3.9	3.5	20	<0.1	0.6	0.2	53	0.38	0.029
1278812	Soil	0.9	18.0	7.7	52	0.1	18.3	9.5	357	2.35	8.3	0.6	4.2	2.2	17	0.1	0.4	0.1	49	0.24	0.057
1264945	Soil	1.1	23.9	8.6	53	0.1	19.6	11.2	326	2.53	9.5	0.6	4.4	2.7	16	<0.1	0.5	0.1	51	0.23	0.028
1264948	Soil	0.6	14.8	6.2	45	0.1	15.0	9.0	298	2.44	9.3	0.5	9.2	2.7	11	<0.1	0.4	0.1	50	0.16	0.045
1278816	Soil	0.7	22.6	6.3	46	<0.1	15.8	9.4	459	2.34	7.8	0.7	9.8	2.8	12	0.1	0.4	0.1	46	0.16	0.032
1278813	Soil	0.9	20.7	7.7	57	0.1	20.0	8.8	330	2.39	8.2	0.6	3.7	2.4	21	0.1	0.5	0.2	54	0.33	0.066
1264943	Soil	0.6	23.1	5.2	42	0.2	16.4	11.1	294	2.30	6.5	0.6	2.4	2.3	14	<0.1	0.3	<0.1	46	0.21	0.032
1264947	Soil	0.6	20.2	5.7	49	<0.1	16.1	10.7	378	2.64	7.8	0.6	3.7	2.8	12	<0.1	0.4	<0.1	53	0.17	0.027
1264920	Soil	0.9	24.8	8.4	41	0.9	14.0	10.9	443	2.76	32.0	0.8	17.5	3.1	13	0.1	0.3	1.4	38	0.46	0.068
1264921	Soil	1.4	38.1	14.8	55	1.6	11.5	12.3	767	2.81	64.0	0.7	13.6	3.0	10	0.2	0.4	1.8	44	0.27	0.065
1278819	Soil	0.7	18.1	6.9	46	<0.1	13.6	9.0	324	2.74	8.8	0.6	10.2	3.3	12	<0.1	0.4	0.2	47	0.17	0.040
1278818	Soil	0.6	15.8	4.5	42	0.1	9.9	9.2	342	3.04	8.3	0.5	23.9	2.4	8	<0.1	0.3	0.2	46	0.13	0.040
1264908	Soil	1.0	20.4	10.2	53	0.2	18.9	9.4	373	2.37	8.4	0.6	18.3	2.6	17	0.1	0.4	0.2	53	0.27	0.053
1264918	Soil	0.5	31.9	7.3	44	0.8	16.8	14.8	486	2.85	23.7	0.5	14.0	1.7	20	0.2	0.2	0.8	54	0.70	0.061
1264917	Soil	0.8	31.5	9.9	79	0.4	17.3	12.0	339	2.76	12.9	0.8	12.0	2.2	17	0.6	0.3	0.3	57	0.30	0.054
1264924	Soil	1.0	31.6	8.5	45	0.7	19.6	11.8	951	3.39	37.1	1.7	9.0	11.5	12	0.4	0.3	0.7	19	0.35	0.110
1264905	Soil	0.7	16.8	4.5	34	0.3	6.7	8.6	835	3.05	7.6	0.3	11.2	1.8	12	0.1	0.2	0.1	50	0.28	0.079
1379928	Soil	0.8	31.0	10.2	75	0.5	18.0	13.3	436	2.67	11.4	1.0	11.8	2.3	22	0.5	0.4	0.4	51	0.43	0.058

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Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1264941	Soil	9	23	0.85	317	0.027	<1	1.82	0.007	0.04	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
1264940	Soil	8	25	0.93	143	0.022	<1	1.50	0.003	0.03	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1278805	Soil	8	20	0.65	125	0.031	<1	1.79	0.004	0.03	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1278806	Soil	13	29	0.66	229	0.041	<1	1.71	0.006	0.03	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
1278815	Soil	13	20	0.63	197	0.030	<1	1.58	0.005	0.03	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
1264944	Soil	9	24	0.88	222	0.040	<1	1.46	0.006	0.02	0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
1264950	Soil	10	20	0.57	127	0.031	<1	1.45	0.004	0.02	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
1264942	Soil	6	18	0.86	133	0.034	<1	1.48	0.004	0.02	0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1278814	Soil	12	24	0.64	220	0.034	<1	1.76	0.009	0.03	0.2	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1278811	Soil	17	21	0.62	155	0.028	<1	1.53	0.005	0.03	0.2	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
1264946	Soil	9	22	0.88	196	0.042	<1	1.61	0.006	0.02	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
1264949	Soil	9	22	0.83	146	0.042	<1	1.83	0.004	0.02	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
1278817	Soil	12	30	0.62	316	0.047	<1	1.61	0.011	0.04	0.2	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1278812	Soil	13	27	0.59	251	0.032	<1	1.47	0.008	0.03	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
1264945	Soil	10	28	0.84	229	0.044	<1	1.57	0.007	0.03	0.1	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
1264948	Soil	11	22	0.68	203	0.035	<1	1.44	0.005	0.03	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
1278816	Soil	13	24	0.59	247	0.034	<1	1.35	0.006	0.02	0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
1278813	Soil	14	28	0.60	290	0.035	<1	1.45	0.011	0.04	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1264943	Soil	9	23	0.87	194	0.038	<1	1.50	0.006	0.03	0.1	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
1264947	Soil	11	24	0.96	222	0.043	<1	1.65	0.005	0.02	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
1264920	Soil	9	24	0.94	94	0.011	<1	1.28	0.003	0.02	<0.1	0.02	3.9	<0.1	<0.05	4	0.9	0.7
1264921	Soil	13	16	0.77	141	0.006	<1	1.24	0.003	0.02	<0.1	0.05	3.6	<0.1	<0.05	4	0.5	0.7
1278819	Soil	12	20	0.77	207	0.035	<1	1.53	0.005	0.03	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
1278818	Soil	9	13	0.88	143	0.029	<1	1.70	0.004	0.02	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
1264908	Soil	14	27	0.57	256	0.038	1	1.48	0.008	0.04	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
1264918	Soil	7	36	1.36	100	0.018	<1	1.70	0.005	0.02	<0.1	0.03	5.0	<0.1	<0.05	5	0.5	0.5
1264917	Soil	14	27	0.97	303	0.018	<1	1.72	0.006	0.03	0.1	0.04	5.6	<0.1	0.07	5	0.6	<0.2
1264924	Soil	31	19	0.75	109	0.003	<1	1.03	0.002	0.03	<0.1	<0.01	3.4	<0.1	<0.05	3	0.7	0.3
1264905	Soil	9	9	0.96	154	0.013	<1	1.63	0.004	0.05	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
1379928	Soil	13	25	0.95	271	0.021	1	1.71	0.007	0.03	0.1	0.04	5.2	<0.1	0.08	5	0.8	<0.2

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Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1264923	Soil	1.0	27.7	8.6	38	0.7	10.6	11.4	656	2.77	67.0	1.1	9.0	4.6	10	0.2	0.3	0.9	28	0.25	0.065
1264925	Soil	0.8	26.8	7.7	40	0.7	14.9	9.1	429	2.66	34.7	1.6	6.2	7.2	14	0.2	0.3	0.5	21	0.41	0.069
1264906	Soil	0.7	25.6	5.4	37	0.2	10.1	11.4	348	3.11	7.4	0.4	6.5	1.0	15	0.1	0.3	0.1	52	0.36	0.067
1379927	Soil	0.9	18.4	5.7	37	0.4	11.5	6.4	230	1.82	35.3	1.5	8.4	3.1	15	0.2	0.2	0.3	24	0.35	0.064
1379926	Soil	0.6	23.8	5.8	44	0.6	13.6	10.6	589	2.07	16.8	1.1	5.3	3.0	22	0.2	0.2	0.4	30	0.72	0.048
1264922	Soil	1.6	63.1	10.0	47	0.9	11.5	11.4	431	3.69	268.2	1.2	20.8	5.1	14	0.3	0.6	1.2	22	0.32	0.100
1379936	Soil	0.9	13.6	8.1	46	<0.1	13.9	8.9	341	2.63	9.0	0.6	5.9	2.3	10	<0.1	0.3	0.2	52	0.12	0.041
1264915	Soil	0.8	14.2	8.3	47	0.1	23.5	9.4	434	2.50	8.1	0.5	3.1	3.2	14	0.1	0.3	0.1	50	0.34	0.087
1264912	Soil	1.0	25.5	8.7	54	<0.1	19.0	10.1	392	3.03	9.2	0.5	11.2	3.2	15	0.1	0.5	0.2	55	0.26	0.052
1264911	Soil	0.9	25.1	8.4	54	0.1	19.5	10.6	423	3.00	9.0	0.5	10.2	3.2	16	<0.1	0.5	0.1	54	0.27	0.053
1379929	Soil	0.9	21.8	7.1	51	0.2	17.8	15.0	551	2.52	8.2	0.6	5.8	2.2	19	0.1	0.4	0.1	51	0.43	0.036
1379932	Soil	0.6	17.6	5.6	55	0.2	16.2	10.1	473	2.73	7.5	0.5	35.5	3.1	13	0.1	0.3	0.1	45	0.23	0.070
1264910	Soil	1.1	28.6	9.5	56	0.2	15.9	9.4	394	2.94	9.4	0.5	6.6	3.3	14	0.2	0.5	0.3	46	0.24	0.059
1264916	Soil	0.5	54.0	7.9	70	0.4	19.9	11.8	726	2.95	6.9	0.6	10.6	5.0	11	0.3	0.3	0.2	53	0.35	0.094
1379933	Soil	0.8	15.7	7.2	46	0.1	15.8	10.9	436	2.46	8.8	0.5	38.5	2.0	15	<0.1	0.4	0.1	50	0.24	0.055
1379935	Soil	0.3	26.2	2.4	56	<0.1	9.6	8.0	599	2.63	5.2	0.3	4.0	2.3	10	0.2	0.2	0.2	44	0.25	0.075
1264914	Soil	0.8	22.0	7.2	47	0.2	15.6	10.1	609	2.47	7.5	0.6	4.0	2.8	13	<0.1	0.4	0.1	48	0.25	0.049
1264913	Soil	1.1	21.3	8.1	52	0.1	18.2	11.0	481	2.71	9.0	0.6	3.7	3.3	16	<0.1	0.5	0.1	50	0.27	0.060
1379931	Soil	1.0	21.9	13.4	48	0.1	17.7	11.5	347	2.76	8.7	0.7	4.5	2.7	16	<0.1	0.5	0.2	45	0.21	0.034
1379934	Soil	0.7	14.6	6.8	44	<0.1	14.1	9.0	304	2.67	8.8	0.6	6.2	3.1	10	0.1	0.5	0.2	42	0.13	0.036
1264907	Soil	1.0	18.2	9.9	53	0.2	17.4	8.3	291	2.58	8.7	0.6	4.9	2.5	20	0.1	0.4	0.2	50	0.36	0.050
1264909	Soil	0.5	30.8	5.2	59	0.2	17.2	11.9	525	3.42	8.3	0.5	112.5	2.8	12	<0.1	0.4	0.3	53	0.28	0.074
1399079	Soil	1.5	35.5	15.8	86	0.2	27.2	13.3	573	4.28	15.7	1.3	2.2	5.7	22	0.1	0.2	0.2	60	0.29	0.081
1399080	Soil	1.3	36.5	12.4	66	<0.1	27.9	10.7	404	3.19	26.3	1.2	76.1	5.8	16	<0.1	0.6	0.2	55	0.19	0.036
1399085	Soil	0.5	44.5	9.4	104	0.6	34.1	17.3	1081	3.79	7.5	0.5	10.8	1.8	21	0.6	0.3	0.2	77	0.65	0.048
1379930	Soil	0.7	15.8	8.3	42	0.1	13.7	9.5	317	2.30	7.6	0.6	6.0	2.5	16	0.2	0.3	<0.1	42	0.27	0.039
1399060	Soil	1.7	39.8	17.1	87	0.2	26.8	10.8	316	3.77	15.5	1.7	3.3	6.4	18	0.1	0.3	0.1	46	0.11	0.033
1399076	Soil	1.0	22.8	9.5	65	0.2	19.7	10.1	520	3.29	20.0	0.6	1.1	3.6	8	0.1	0.3	0.1	45	0.12	0.047
1399086	Soil	0.8	38.5	13.2	89	0.5	44.1	26.9	1559	3.69	6.8	0.4	10.2	2.1	9	1.0	0.3	0.2	85	0.21	0.050
1399081	Soil	0.6	19.8	9.9	80	0.2	19.3	10.9	521	2.77	18.2	0.7	3.8	3.1	34	0.3	0.3	0.2	53	0.54	0.073

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1264923	Soil	14	14	0.72	173	0.010	<1	1.27	0.003	0.02	<0.1	0.03	2.9	<0.1	<0.05	4	<0.5	0.3
1264925	Soil	24	18	0.69	129	0.007	<1	1.04	0.003	0.03	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1264906	Soil	9	14	0.80	141	0.019	<1	1.59	0.005	0.03	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
1379927	Soil	13	13	0.48	196	0.011	<1	0.94	0.004	0.03	0.1	0.04	2.1	<0.1	0.08	3	<0.5	<0.2
1379926	Soil	10	22	0.75	204	0.009	<1	1.18	0.004	0.03	<0.1	0.04	2.9	<0.1	0.07	3	0.6	<0.2
1264922	Soil	11	12	0.79	92	0.008	<1	1.27	0.005	0.02	<0.1	0.01	2.9	<0.1	0.07	4	1.5	0.4
1379936	Soil	11	23	0.65	194	0.031	<1	1.65	0.005	0.03	0.2	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
1264915	Soil	33	38	0.85	185	0.025	<1	1.62	0.005	0.03	0.2	0.02	5.3	<0.1	<0.05	4	<0.5	<0.2
1264912	Soil	12	28	0.93	271	0.036	<1	1.80	0.008	0.03	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
1264911	Soil	13	33	0.91	264	0.039	<1	1.63	0.008	0.03	0.2	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
1379929	Soil	11	25	0.86	209	0.034	<1	1.67	0.006	0.03	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
1379932	Soil	12	23	0.98	166	0.031	<1	1.57	0.006	0.02	0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
1264910	Soil	11	22	0.81	229	0.032	<1	1.48	0.007	0.02	0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
1264916	Soil	25	38	1.23	124	0.013	<1	1.73	0.004	0.02	0.1	0.03	9.6	<0.1	<0.05	5	<0.5	<0.2
1379933	Soil	11	23	0.74	199	0.035	<1	1.52	0.005	0.03	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1379935	Soil	7	18	1.08	139	0.015	<1	1.51	0.003	<0.01	<0.1	<0.01	5.6	<0.1	<0.05	5	<0.5	<0.2
1264914	Soil	13	23	0.67	260	0.032	<1	1.48	0.006	0.03	0.2	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
1264913	Soil	12	25	0.73	260	0.038	<1	1.51	0.008	0.03	0.2	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
1379931	Soil	10	23	0.77	254	0.037	2	1.56	0.005	0.02	0.2	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
1379934	Soil	10	21	0.66	169	0.037	2	1.38	0.004	0.02	0.2	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
1264907	Soil	13	27	0.53	242	0.033	2	1.45	0.007	0.03	0.3	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1264909	Soil	14	39	1.30	126	0.019	1	1.67	0.003	0.02	<0.1	<0.01	7.6	<0.1	<0.05	5	0.7	<0.2
1399079	Soil	13	32	1.92	145	0.054	<1	2.01	0.004	0.04	<0.1	<0.01	5.5	<0.1	<0.05	7	<0.5	<0.2
1399080	Soil	20	32	0.86	372	0.039	1	1.54	0.006	0.04	0.1	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
1399085	Soil	8	69	1.63	332	0.015	2	2.28	0.004	0.02	<0.1	0.03	8.4	<0.1	<0.05	6	<0.5	<0.2
1379930	Soil	10	21	0.62	201	0.036	2	1.33	0.006	0.03	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1399060	Soil	15	32	1.85	223	0.058	2	2.11	0.004	0.04	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1399076	Soil	8	25	1.16	208	0.040	1	1.59	0.003	0.05	<0.1	<0.01	3.1	<0.1	<0.05	5	1.1	<0.2
1399086	Soil	8	102	1.72	291	0.017	2	2.22	0.003	0.02	<0.1	0.02	10.8	<0.1	<0.05	6	<0.5	<0.2
1399081	Soil	14	25	1.07	307	0.027	1	1.68	0.006	0.06	0.2	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2

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Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1399061	Soil	0.8	28.0	11.9	63	0.1	24.4	10.8	323	2.94	24.7	0.8	6.0	3.9	21	0.1	0.5	0.1	58	0.25	0.022
1399078	Soil	1.2	40.0	13.8	97	0.1	33.2	14.7	607	4.08	19.2	1.1	3.2	7.0	20	0.2	0.4	<0.1	58	0.22	0.071
1399087	Soil	0.5	79.6	10.3	88	0.5	32.4	20.5	1185	4.66	8.4	0.3	24.7	3.0	13	0.2	0.5	0.3	90	0.28	0.060
1399082	Soil	1.0	32.7	25.9	103	0.3	24.5	12.2	441	3.25	16.4	1.2	11.8	4.9	27	0.5	0.6	0.1	58	0.33	0.071
1399062	Soil	0.7	40.3	10.8	75	<0.1	30.6	13.4	365	3.36	71.7	0.6	5.4	4.1	12	<0.1	0.5	<0.1	57	0.18	0.033
1399077	Soil	0.8	27.4	5.9	79	0.1	20.9	9.2	446	3.65	11.6	0.8	2.2	5.3	11	0.1	0.2	<0.1	59	0.14	0.040
1399088	Soil	0.4	53.0	6.7	77	0.2	15.9	13.5	750	4.02	8.5	0.5	9.7	2.5	11	0.2	0.4	0.2	67	0.27	0.063
1399084	Soil	0.9	33.4	63.6	249	0.5	9.9	7.7	478	4.37	5.9	0.7	11.1	3.0	34	0.5	0.4	0.2	59	0.13	0.062
1399089	Soil	1.0	35.3	12.4	81	0.1	23.8	18.2	814	4.16	15.6	0.5	9.9	2.2	11	0.2	0.5	0.2	71	0.18	0.064
1399066	Soil	17.0	131.1	104.6	329	1.1	20.4	8.7	228	4.61	7.1	4.1	156.4	9.8	15	1.0	0.7	0.2	29	0.05	0.074
1399068	Soil	1.8	19.0	18.9	65	0.3	20.4	10.5	229	3.23	8.9	0.6	8.6	3.9	9	0.1	0.5	0.2	58	0.07	0.023
1399069	Soil	1.0	22.1	16.6	66	0.3	15.4	7.3	248	2.63	21.0	1.0	8.3	6.9	12	0.1	0.4	0.2	35	0.17	0.046
1399090	Soil	1.1	34.1	26.6	89	0.4	19.7	8.8	290	2.86	15.1	1.0	77.9	2.6	22	0.6	0.5	0.2	48	0.28	0.065
1399064	Soil	1.1	26.1	10.3	73	<0.1	18.8	11.3	328	3.22	17.5	0.9	9.1	4.5	8	0.1	0.4	<0.1	46	0.12	0.023
1399067	Soil	1.7	90.2	500.0	334	1.2	10.7	6.5	330	4.34	7.3	0.5	83.6	3.5	10	0.6	1.0	0.1	53	0.06	0.046
1399071	Soil	1.2	51.1	14.1	71	0.2	28.4	15.0	482	3.72	36.8	0.8	14.2	5.2	12	0.1	0.5	<0.1	59	0.17	0.030
1399091	Soil	1.6	40.4	43.2	150	0.5	25.4	11.9	353	3.36	24.4	0.9	32.2	5.0	19	0.3	0.6	0.2	48	0.23	0.044
1399063	Soil	0.7	22.9	9.6	58	0.2	20.0	10.7	269	2.89	11.6	0.5	1.8	3.0	13	0.1	0.4	<0.1	49	0.15	0.019
1399065	Soil	4.3	29.1	32.4	114	0.2	12.5	9.3	286	3.51	6.0	1.3	90.3	5.3	20	0.3	0.4	0.1	33	0.14	0.053
1399070	Soil	0.6	29.3	10.1	63	0.2	23.7	11.5	315	3.16	15.8	0.6	6.0	3.2	13	<0.1	0.3	<0.1	57	0.14	0.013
1399092	Soil	1.1	33.3	26.2	108	0.3	19.6	9.6	380	3.26	30.8	0.8	21.9	4.3	15	0.2	0.7	0.2	42	0.19	0.045
1399093	Soil	0.9	32.7	25.2	93	0.3	17.7	7.9	280	2.79	24.9	0.9	153.9	4.6	14	0.2	0.5	0.1	38	0.20	0.037
1399094	Soil	1.3	32.1	20.8	70	0.3	26.4	11.4	507	3.17	23.8	1.1	8.3	3.8	26	0.1	0.7	0.1	52	0.36	0.062
1399073	Soil	1.6	42.4	15.3	89	0.2	24.2	8.0	353	4.06	9.8	2.4	1.8	7.6	21	0.2	0.2	<0.1	48	0.23	0.075
1399075	Soil	1.2	32.3	12.1	74	0.2	23.0	9.3	357	3.07	30.0	0.9	7.1	4.9	11	0.2	0.4	0.1	46	0.12	0.035
1399074	Soil	0.9	37.1	12.5	82	<0.1	28.0	10.8	448	3.50	33.1	0.9	11.0	5.5	11	0.1	0.3	<0.1	49	0.17	0.047
1399072	Soil	0.9	20.7	10.1	63	0.3	17.6	9.7	334	2.80	17.9	0.5	5.6	3.4	9	<0.1	0.3	<0.1	44	0.11	0.019
1264919	Soil	0.4	24.3	10.6	36	0.9	12.0	7.7	262	2.10	22.9	1.1	17.4	2.7	29	0.2	0.3	1.9	31	0.85	0.053

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Project: KSD
Report Date: July 25, 2013

CERTIFICATE OF ANALYSIS WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1399061	Soil	14	41	1.17	353	0.067	<1	1.87	0.007	0.04	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
1399078	Soil	22	36	1.99	202	0.056	<1	2.31	0.003	0.08	<0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
1399087	Soil	12	51	2.23	187	0.020	2	2.98	0.006	0.03	<0.1	0.02	9.7	<0.1	<0.05	8	<0.5	<0.2
1399082	Soil	19	33	1.41	313	0.034	<1	2.10	0.007	0.06	0.2	0.17	5.4	<0.1	<0.05	6	<0.5	<0.2
1399062	Soil	13	42	1.38	215	0.044	2	1.72	0.004	0.03	<0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
1399077	Soil	13	24	1.11	199	0.061	<1	1.53	0.005	0.12	<0.1	<0.01	5.5	<0.1	<0.05	6	<0.5	<0.2
1399088	Soil	9	26	1.35	165	0.021	2	2.07	0.012	0.02	0.1	0.02	6.7	<0.1	<0.05	6	<0.5	<0.2
1399084	Soil	12	14	1.87	172	0.010	<1	2.28	0.011	0.03	<0.1	0.53	5.1	<0.1	0.08	6	1.3	<0.2
1399089	Soil	9	41	1.15	204	0.025	2	1.88	0.004	0.02	0.2	0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
1399066	Soil	14	21	0.68	151	0.006	<1	1.37	0.007	0.03	0.1	0.35	8.3	<0.1	<0.05	3	3.3	<0.2
1399068	Soil	11	36	0.86	233	0.055	<1	2.07	0.006	0.04	0.2	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1399069	Soil	23	21	0.84	260	0.051	1	1.37	0.003	0.06	0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
1399090	Soil	15	27	0.62	304	0.034	1	1.63	0.006	0.03	0.2	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
1399064	Soil	13	35	1.28	174	0.089	<1	1.82	0.003	0.02	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1399067	Soil	8	20	1.01	283	0.017	<1	2.45	0.005	0.03	<0.1	0.64	3.5	<0.1	<0.05	6	0.5	<0.2
1399071	Soil	15	47	1.54	203	0.077	1	1.99	0.004	0.03	<0.1	0.04	8.6	<0.1	<0.05	6	0.5	<0.2
1399091	Soil	14	33	0.86	337	0.043	2	1.77	0.008	0.03	0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1399063	Soil	10	37	1.01	226	0.091	1	1.65	0.008	0.04	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
1399065	Soil	14	20	0.94	200	0.042	<1	1.47	0.009	0.03	0.1	0.08	5.5	<0.1	<0.05	5	<0.5	<0.2
1399070	Soil	11	43	1.39	194	0.098	<1	1.90	0.003	0.03	0.1	0.01	5.3	<0.1	<0.05	6	<0.5	<0.2
1399092	Soil	15	24	0.73	314	0.035	<1	1.53	0.004	0.03	0.1	0.03	4.5	<0.1	<0.05	5	0.7	<0.2
1399093	Soil	15	23	0.66	269	0.040	<1	1.47	0.011	0.03	0.1	0.03	4.1	<0.1	<0.05	4	0.9	<0.2
1399094	Soil	15	33	0.71	383	0.041	<1	1.65	0.010	0.04	0.2	0.06	5.1	<0.1	<0.05	5	<0.5	<0.2
1399073	Soil	10	31	1.79	125	0.093	<1	1.90	0.003	0.03	<0.1	<0.01	3.1	<0.1	<0.05	6	0.6	<0.2
1399075	Soil	17	30	1.40	242	0.033	<1	1.92	0.005	0.05	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
1399074	Soil	16	31	1.87	218	0.029	<1	2.28	0.004	0.04	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2
1399072	Soil	10	33	1.20	159	0.068	<1	1.79	0.004	0.03	<0.1	<0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
1264919	Soil	13	17	0.85	189	0.010	1	1.30	0.006	0.02	<0.1	0.03	4.0	<0.1	<0.05	4	0.6	0.7

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Project: KSD
Report Date: July 25, 2013

QUALITY CONTROL REPORT WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1264927	Soil	0.5	34.4	27.6	128	0.5	13.5	10.5	497	3.70	11.1	0.6	17.3	2.4	10	0.2	0.5	0.2	50	0.14	0.025
REP 1264927	QC	0.5	36.3	26.3	132	0.4	14.9	11.0	501	3.68	10.8	0.6	19.9	2.3	11	0.2	0.5	0.2	50	0.14	0.023
1378156	Soil	1.4	25.6	16.2	60	0.5	17.8	9.3	213	3.58	13.2	1.0	9.0	4.7	12	<0.1	0.5	0.2	59	0.10	0.026
REP 1378156	QC	1.6	25.3	16.0	60	0.6	18.1	8.9	214	3.54	13.0	1.1	8.7	4.8	12	0.1	0.5	0.2	60	0.11	0.029
1378153	Soil	0.5	30.5	7.4	81	0.2	19.2	15.1	1144	3.87	6.0	0.3	9.1	2.0	9	0.3	0.2	0.2	56	0.29	0.063
REP 1378153	QC	0.5	31.4	7.4	82	0.2	19.8	15.2	1139	3.95	6.1	0.4	7.9	2.0	9	0.3	0.2	0.2	55	0.30	0.063
1378120	Soil	0.7	25.8	11.2	81	0.2	18.0	8.6	338	2.48	15.3	0.7	22.9	3.2	25	0.7	0.5	0.1	44	0.35	0.079
REP 1378120	QC	0.7	25.6	11.2	83	0.2	18.4	8.7	335	2.50	15.1	0.8	7.1	3.3	26	0.7	0.6	0.1	44	0.36	0.077
1378111	Soil	0.7	27.7	9.1	86	0.1	20.5	9.5	346	3.20	63.9	1.1	12.3	4.2	16	0.2	0.4	0.1	49	0.29	0.066
REP 1378111	QC	0.6	27.6	9.4	86	0.2	20.2	9.6	336	3.20	65.7	1.1	7.5	4.2	15	<0.1	0.4	<0.1	50	0.31	0.063
1278805	Soil	0.7	18.0	6.0	40	<0.1	14.8	9.6	324	3.07	9.1	0.4	18.7	2.7	7	<0.1	0.4	0.1	51	0.10	0.043
REP 1278805	QC	0.9	18.3	6.2	42	<0.1	14.3	9.6	328	2.96	9.5	0.4	10.2	2.8	7	<0.1	0.4	0.1	51	0.10	0.046
1278816	Soil	0.7	22.6	6.3	46	<0.1	15.8	9.4	459	2.34	7.8	0.7	9.8	2.8	12	0.1	0.4	0.1	46	0.16	0.032
REP 1278816	QC	0.8	22.3	6.3	46	0.1	15.8	9.6	484	2.48	7.7	0.7	3.3	3.1	14	<0.1	0.4	0.1	49	0.18	0.031
1264912	Soil	1.0	25.5	8.7	54	<0.1	19.0	10.1	392	3.03	9.2	0.5	11.2	3.2	15	0.1	0.5	0.2	55	0.26	0.052
REP 1264912	QC	1.0	25.7	9.6	53	<0.1	17.7	9.8	391	2.97	9.5	0.6	2.5	3.3	14	<0.1	0.6	0.2	54	0.29	0.052
1399079	Soil	1.5	35.5	15.8	86	0.2	27.2	13.3	573	4.28	15.7	1.3	2.2	5.7	22	0.1	0.2	0.2	60	0.29	0.081
REP 1399079	QC	1.9	34.2	15.8	86	0.2	28.0	12.7	589	4.05	15.2	1.4	4.4	5.6	21	0.3	0.3	0.2	62	0.29	0.083
1399067	Soil	1.7	90.2	500.0	334	1.2	10.7	6.5	330	4.34	7.3	0.5	83.6	3.5	10	0.6	1.0	0.1	53	0.06	0.046
REP 1399067	QC	2.0	91.3	507.1	332	1.4	11.7	6.8	341	4.33	7.0	0.6	47.9	3.5	10	0.7	1.0	0.1	53	0.06	0.048
Reference Materials																					
STD DS9	Standard	12.6	107.6	126.5	311	1.8	35.9	7.4	628	2.37	23.2	2.6	106.5	6.4	65	1.7	6.0	6.1	40	0.69	0.077
STD DS9	Standard	13.8	106.0	112.5	294	1.7	39.0	7.3	586	2.35	23.1	2.5	107.0	6.2	58	2.1	5.3	5.9	43	0.66	0.078
STD DS9	Standard	13.3	104.8	109.7	289	1.7	37.5	7.1	578	2.21	22.2	2.4	108.9	6.4	54	2.0	4.8	5.5	41	0.63	0.074
STD DS9	Standard	13.8	117.4	132.8	319	1.7	42.6	8.4	653	2.63	26.8	2.9	115.6	7.6	79	2.3	6.4	6.7	48	0.77	0.080
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Project: KSD
Report Date: July 25, 2013

QUALITY CONTROL REPORT WHI13000112.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1264927	Soil	10	17	1.82	596	0.010	2	2.20	0.004	0.01	<0.1	0.05	7.3	<0.1	<0.05	6	0.8	<0.2
REP 1264927	QC	10	18	1.68	558	0.010	1	2.04	0.003	0.01	<0.1	0.04	7.2	<0.1	<0.05	5	<0.5	<0.2
1378156	Soil	16	36	0.81	324	0.033	2	2.13	0.005	0.04	<0.1	0.04	4.6	<0.1	<0.05	6	<0.5	<0.2
REP 1378156	QC	16	35	0.82	331	0.034	<1	2.13	0.006	0.04	0.1	0.05	4.6	<0.1	<0.05	6	<0.5	<0.2
1378153	Soil	8	33	1.77	181	0.011	<1	2.35	0.003	0.03	<0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
REP 1378153	QC	8	33	1.75	186	0.010	1	2.32	0.003	0.03	<0.1	0.02	6.3	<0.1	<0.05	6	<0.5	<0.2
1378120	Soil	16	24	0.74	242	0.048	1	1.43	0.012	0.07	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
REP 1378120	QC	15	23	0.74	251	0.048	<1	1.42	0.012	0.08	0.2	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
1378111	Soil	13	32	1.25	220	0.038	<1	2.04	0.005	0.03	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
REP 1378111	QC	14	32	1.24	215	0.038	<1	1.94	0.005	0.03	<0.1	0.02	5.1	<0.1	<0.05	6	<0.5	<0.2
1278805	Soil	8	20	0.65	125	0.031	<1	1.79	0.004	0.03	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
REP 1278805	QC	8	20	0.70	124	0.031	<1	1.90	0.004	0.03	0.2	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
1278816	Soil	13	24	0.59	247	0.034	<1	1.35	0.006	0.02	0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
REP 1278816	QC	14	26	0.61	260	0.039	<1	1.38	0.007	0.03	0.2	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
1264912	Soil	12	28	0.93	271	0.036	<1	1.80	0.008	0.03	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
REP 1264912	QC	13	28	0.91	274	0.040	<1	1.63	0.007	0.03	0.2	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
1399079	Soil	13	32	1.92	145	0.054	<1	2.01	0.004	0.04	<0.1	<0.01	5.5	<0.1	<0.05	7	<0.5	<0.2
REP 1399079	QC	15	33	2.05	156	0.065	<1	2.14	0.004	0.05	<0.1	<0.01	5.4	<0.1	<0.05	7	1.8	<0.2
1399067	Soil	8	20	1.01	283	0.017	<1	2.45	0.005	0.03	<0.1	0.64	3.5	<0.1	<0.05	6	0.5	<0.2
REP 1399067	QC	8	20	1.02	283	0.015	<1	2.42	0.005	0.03	<0.1	0.63	3.5	<0.1	<0.05	6	0.9	<0.2
Reference Materials																		
STD DS9	Standard	14	115	0.68	269	0.106	3	0.89	0.092	0.41	2.9	0.21	2.6	5.2	0.06	5	4.8	4.7
STD DS9	Standard	14	121	0.64	274	0.106	3	0.90	0.089	0.38	3.2	0.21	2.3	5.2	0.15	4	5.1	5.0
STD DS9	Standard	14	112	0.57	262	0.103	2	0.84	0.076	0.36	2.9	0.20	2.3	5.1	0.16	4	4.1	4.8
STD DS9	Standard	18	129	0.67	309	0.138	4	1.01	0.102	0.42	3.3	0.22	2.8	5.3	0.13	5	6.7	5.2
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Project: KSD
Report Date: July 25, 2013

QUALITY CONTROL REPORT WHI13000112.1

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

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QUALITY CONTROL REPORT WHI13000112.1

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

Appendix V
IP Field Report

Resistivity and Induced Polarization Survey

King Solomon Dome Project

This memorandum describes recent resistivity and induced polarization ground geophysical surveys conducted on the King Solomon's Dome gold property located in the Klondike Goldfields area , Yukon Territory. The surveys were designed to outline geological structures which could be related to gold mineralization. A total of 20 420m lines were surveyed between July 25th and August 9th, 2013.

Personnel:

The surveys were conducted by the following GroundTruth Exploration personnel:

- Chad Cote — Lead Operator and Crew Chief
- David Cox — Secondary Lead and GPS Technician
- Hector Barrientos — Geo Technician
- Tim Rennie — Geo Technician
- Jordan Cassoli — Geo Technician

Instruments and equipment:

The crew was equipped with the following instruments and equipment.

- Advanced Geosciences Supersting R8 IP
- 84 electrode passive cables
- Stainless steel electrodes
- 2 – 12V DC regulated power supply
- Honda 1000 watt generator
- 2 – Promark3 GPS receivers

Survey location:

The geophysical surveys took place on the "King Solomon Dome" mineral claim block located approximately 30 km southeast of Dawson City, Yukon. Please see attached maps for line layout and location.

Survey specifications:

Survey lines are spaced at 100m and centred on the known soil anomalies. Electrode spacing is set at 5m giving the survey a potential reading depth of 90m and a traverse distance of 415m.

Each traverse is surveyed using both Dipole-Dipole and Inverse Shlumberger arrays. The command files for these arrays are included in the final data output. The Dipole-Dipole array is set up to delineate vertical structures within the geology and the Inverse Shlumberger is set up to delineate more horizontal structures. Resistivity and induced polarization measurements are taken at every reading to give comparable data.

All traverses are surveyed with the ProMark3 differential GPS units to obtain accurate horizontal and vertical position.

Data processing:

The data that is collected is downloaded in the field after every array and checked immediately for integrity. This allows us to identify any field errors and correct them before moving the equipment.

The data is fully processed every evening by the lead operator in the field using EarthImager2D software provided by Advanced Geosciences Inc. The GPS data is processed using GNSS Solutuions software. All unedited data is archived along with the command files for further investigation if required.

Products:

The following files are provided to the client:

Instrument dump files

- "*.stg" file – reading file containing all resistivity and induced polarization data
- "*.cmd" file – command file containing the command lines for the array
- "*.crs" file – contact resistance file showing the contact resistance at surface for the array

GPS files

- Raw GPS files for base and rover
- "*.csv" file with processed data points from the raw GPS files
- "*.xls" file with easily accessed GPS points
- "*.shp" file containing traverse points in ESRI shape format

Intermediate files

- "*.trn" file used by the Earth Imager 2D software to compute inversions
- "*stg" file with processed data used for final Dipole-Dipole resistivity inversion
- "*stg" file with processed data used for final Dipole-Dipole IP inversion
- "*stg" file with processed data used for final Inverse Shlumberger resistivity inversion
- "*stg" file with processed data used for final Inverse Shlumberger IP inversion
- "*stg" file with processed data used for final Merged resistivity inversion
- "*stg" file with processed data used for final Merged IP inversion

Final Figures

- "*.bmp" file showing contact resistance in a visual format
- "*.jpg" file showing a scatter diagram of the Surface Apparent Resistivity
- "*.jpg" file showing the Measured Apparent Resistivity
- "*.jpg" file showing the Inverted Resistivity Pseudosection
- "*.jpg" file showing a Scatter Plot of Surface Apparent Chargability
- "*.jpg" file showing the Inverted Induced Polarization Pseudosection

Appendix VI
Geoprobe Field Report

GroundTruth Exploration Inc.

Box 70, Dawson YT, Y0B 1G0 (867) 993-5612

GEOPROBE MEMORANDUM

To: **Date:** /2013

From:

Re:

Personnel : The surveys are conducted by the following GroundTruth personnel :

Dan Murray -	Lead Geo Probe Operator
Ross Reed -	Lead Sampling Technician
Mark Grossman -	Line Cutter / Sampling Assistant / Surveyor

A. Instruments and Equipment : The crew is equipped with the following instruments and equipment.

Geo Probe Bedrock Interface sampler :

Remotely controlled track platform with hydraulically operated bedrock interface sampler on tilting mast. The Geo Probe has 1650 sq. inches of track coverage with less than 1.0 psi ground pressure. The entire unit is powered by a gasoline engine and is completely hydraulically operated.

Geo Probe Dimensions :
Width – 50”
Length – 96”
Height – 48”
Weight – 2450 lbs.

Geo Probe Sampling Rod / Extension Dimensions:
Length – 90cm
Inner Diameter – 1.50”
Outer Diameter – 2.25”

XRF – Innovex DELTA portable handheld XRF

Survey GPS – Ashtech PROMARK 100 GPS

Field Handheld Device – Aceca Meazura MEZ1500 Data logger / barcode scanner

Data Processing – Laptop computer with proprietary ‘Truthware’ software for synchronous download of handheld / GPS / photos / XRF data

Satellite Internet – Portable Satellite Internet for nightly data downloads.

B. Geo Probe Standard Operating Procedure:

Overview

This document outlines the standard operating procedures used to collect rock chip and soil samples which have been extracted by the Geo Probe Bedrock Interface Sampler (GP) and analyzed by the field portable XRF. This describes the methodology behind the Geo Probe Survey based on Yukon Projects conducted during the 2013 field season.

Geo Probe Sampling :

1. Planned line is cut and picketed with sample locations at 5m intervals.

2. Sampling Technicians setup XRF sampling station midway on the planned line.

3. Geo Probe operator drives machine to sample location at start of planned line.

4. Once Geo Probe is in position and setup, the operator drives the first sampling rod to 90cm then extracts sample and discards.

5. Then a second sampling rod is put into the existing hole with an extension and is driven to bedrock interface (90cm – 450cm). Geo Probe Operator then extracts sampling rod which contains bedrock interface sample and passes it onto the Sampling Assistant who takes it to the XRF station to be sampled.

6. Operator moves Geo Probe to the next 5m sample location.

7. At the XRF sampling station the Technician uses a scraping tool remove the outermost layer of material from the cut out in the sampling rod. The purpose of this is to eliminate the possibility of cross contamination by smearing dirt while extracting the rod.

8. Technician empties sample from the sampling rod into the top tray on the custom core box, making sure to empty it in a way that the depth from where the sample was taken from, matches up with the same depth indicated on the measuring tape that he lays across the core box (cm).

9. Technician places sample ID barcode tag and colour card alongside the contents of extracted material in core box and takes a photo of bedrock interface profile.

10. A representative rock chip is taken out of the bottom section of the sample (bedrock interface) and XRF analyzed. This rock chip is stored in a chip tray.

11. Technician stacks a 4 mesh sieve on top of an 80 mesh sieve with a plastic tray underneath and empties selected sample material into coarse 4 mesh sieve. Shakes sieves until large rocks remain in 4 mesh sieve, fine rocks remain in 80 mesh sieve and all soil remains in plastic tray.

12. 4 mesh and 80 mesh rocks from sieves are washed lightly and placed on photo tray with sample ID barcode and colour card and photo is taken.

13. All rocks in the 4 mesh and 80 mesh sieves are put into small ore bag with sample ID barcode and ready for lab analysis.

14. Soil is collected from plastic tray and put into 40gram bag with sample ID barcode number written on bag and XRF analyzed. Sample is held for retention.

15. Soil remaining in plastic tray is placed on photo tray with sample ID barcode and colour card and photo is taken.

16. Technician places soil into Kraft bag (soil envelope) with sample ID barcode written on bag. Sample is held for retention.

17. Assistant returns sampling rod to Geo Probe Operator and takes reading on Ashtech PROMARK 100 GPS of sampled location.

Preparing samples for shipment

1. Label two rice bags, one for rocks and one for soils, with the shipper, client, project code, number and type of samples (rock or soil).

2. Prepare QAQC samples so the ratio of 25 samples to one QAQC sample is maintained. This means that for each man day bag of rocks and soils there will be a QAQC sample included. Alternate between standards and blanks daily (assuming production will equal ~ 25 holes/day)

3. Zip rice bag closed with red security tag and record number with the date samples were collected in Excel spreadsheet.

C. Data Processing :

Data is downloaded and sent to Groundtruth Headquarters nightly and a USB stick is loaded for backup.

Appendix VII
Summary Table of Key Geochemical Results – Geoprobe rocks

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-01	0	599411	7082725	1039	1265963	0.024	0.6	15	8.4	179	0.2	9.9	0.1
KSDGP13-01	5	599411	7082720	1039	1265964	0.008	0.9	18.4	17	107	0.3	16.5	0.3
KSDGP13-01	10	599411	7082715	1039	1265965	0.012	0.9	37.3	23.3	111	0.5	19.4	0.4
KSDGP13-01	15	599412	7082711	1040	1265966	0.013	1.1	34.1	58.1	279	0.6	15	0.2
KSDGP13-01	20	599412	7082705	1039	1265967	0.007	0.4	23.1	25.6	139	0.3	78.6	0.05
KSDGP13-01	25	599413	7082700	1039	1265968	0.023	0.2	56.8	161.9	411	1	11.8	0.05
KSDGP13-01	30	599413	7082695	1040	1265969	0.023	0.8	28.6	25.6	236	0.4	12.5	0.05
KSDGP13-01	35	599413	7082690	1039	1265970	0.139	0.7	43	32.3	314	0.6	651.7	0.05
KSDGP13-01	40	599413	7082685	1038	1265971	0.025	0.4	67	16.8	141	0.4	11.8	0.05
KSDGP13-01	45	599414	7082681	1039	1265972	0.006	0.2	29.8	9.6	87	0.2	3.9	0.05
KSDGP13-01	50	599414	7082676	1038	1265973	0.023	0.2	56.7	13.2	110	0.3	5.3	0.05
KSDGP13-01	55	599414	7082671	1038	1265974	0.012	0.2	35.6	22.8	97	0.3	5.3	0.05
KSDGP13-01	60	599415	7082665	1038	1265975	0.018	0.1	104.1	29.4	216	0.7	14	0.1
KSDGP13-01	65	599415	7082660	1037	1265976	0.012	0.05	64.1	17.2	169	0.4	5.4	0.1
KSDGP13-01	70	599415	7082655	1037	1265977	0.005	0.05	49	19.7	108	0.2	2.1	0.05
KSDGP13-01	75	599415	7082651	1036	1265978	0.286	0.4	42.5	17.2	133	0.5	4.7	0.05
KSDGP13-01	80	599416	7082645	1036	1265979	0.013	0.3	18.9	9.2	99	0.2	7.2	0.3
KSDGP13-01	85	599416	7082641	1035	1265980	0.027	0.4	28.6	7.3	94	0.2	6.9	0.4
KSDGP13-01	90	599416	7082635	1034	1265981	0.011	0.2	18	5.9	82	0.1	6	0.3
KSDGP13-01	95	599416	7082630	1033	1265982	0.02	1	32.2	7.7	85	0.3	9.5	0.3
KSDGP13-01	100	599417	7082625	1033	1265983	0.014	0.4	18.3	4.6	94	0.2	6.4	0.2
KSDGP13-01	105	599417	7082620	1032	1265984	0.013	0.5	31.4	4.9	71	0.2	9.6	0.2
KSDGP13-01	110	599417	7082616	1030	1265985	0.014	0.6	14.1	4.8	68	0.2	6.9	0.2
KSDGP13-01	115	599417	7082610	1029	1265986	0.038	0.6	21.4	5.6	82	0.2	6.2	0.2
KSDGP13-01	120	599418	7082607	1028	1265987	0.023	0.7	27.1	7.3	113	0.4	8.6	0.1
KSDGP13-01	125	599418	7082601	1027	1265988	0.011	1.4	55.8	8.7	123	0.7	6.7	0.1
KSDGP13-02	0	599513	7082724	1027	1265989	0.017	0.4	16.1	3.6	84	0.4	2.6	0.6
KSDGP13-02	5	599513	7082719	1027	1265990	0.021	0.9	28.6	10.9	116	0.4	1.8	0.4
KSDGP13-02	10	599513	7082714	1027	1265991	0.012	0.05	47.6	16.9	220	0.4	1.7	0.3
KSDGP13-02	15	599513	7082709	1028	1265992	0.014	0.3	55.9	11.9	161	0.8	5.5	0.2
KSDGP13-02	20	599514	7082704	1028	1265993	0.026	0.7	42.1	10.7	127	0.5	10.9	0.2
KSDGP13-02	25	599514	7082699	1028	1265994	0.168	0.6	17.7	12.6	90	0.4	3.1	0.2
KSDGP13-02	30	599514	7082694	1029	1265995	0.016	0.6	32.3	9.4	69	0.3	7.4	0.1

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-02	35	599514	7082689	1029	1265996	0.006	0.3	8.3	6.5	74	0.1	2.4	0.05
KSDGP13-02	40	599514	7082684	1028	1265997	0.011	0.05	14.1	8.1	72	0.2	3.1	0.05
KSDGP13-02	45	599514	7082679	1028	1265998	0.017	0.2	11	11.7	79	0.05	4.3	0.2
KSDGP13-02	50	599514	7082674	1028	1265999	0.015	0.7	31	20.2	467	0.4	10.4	0.3
KSDGP13-02	55	599515	7082668	1028	1266000	0.009	0.5	6.1	19	96	0.2	5.3	0.2
KSDGP13-02	60	599515	7082664	1028	1341751	0.034	0.3	13	28.3	276	0.4	6.6	0.05
KSDGP13-02	65	599515	7082659	1029	1341752	0.055	0.6	59.9	75.2	680	1.1	8.3	0.05
KSDGP13-02	70	599515	7082653	1028	1341753	0.049	0.2	60.9	38.7	534	0.5	2.7	0.05
KSDGP13-02	75	599515	7082648	1028	1341754	0.033	0.8	74.2	73.9	653	0.7	9.2	0.05
KSDGP13-02	80	599516	7082644	1028	1341755	0.041	2	100.3	253.7	1429	1.6	6.4	0.4
KSDGP13-02	85	599515	7082638	1028	1341756	0.049	0.9	100.2	147.3	1384	1.1	10.1	0.4
KSDGP13-02	90	599515	7082634	1028	1341757	0.022	0.4	74.6	77	847	0.9	2.7	0.05
KSDGP13-02	95	599516	7082629	1028	1341758	0.048	0.3	51.2	36	212	0.6	2.9	0.05
KSDGP13-02	100	599515	7082623	1028	1341759	0.042	0.5	43.5	34.3	279	0.7	9.3	0.2
KSDGP13-02	105	599516	7082619	1029	1341760	0.026	0.4	17.9	18.4	110	0.4	4.2	0.2
KSDGP13-02	110	599516	7082614	1029	1341761	0.009	0.5	17	20.8	130	0.3	1.9	0.2
KSDGP13-02	115	599516	7082609	1029	1341762	0.011	0.3	15.8	10.5	111	0.3	2.1	0.1
KSDGP13-02	120	599516	7082604	1029	1341763	0.08	0.4	12.7	8.5	82	0.5	5.7	0.3
KSDGP13-02	125	599517	7082599	1029	1341764	0.033	1.2	17.1	7.9	271	0.3	5.2	0.3
KSDGP13-03	0	599612	7082739	1005	1341765	0.025	0.4	25.7	5.3	73	0.3	7.5	0.1
KSDGP13-03	5	599612	7082734	1006	1341766	0.324	0.4	19.4	13	68	0.6	10.3	0.2
KSDGP13-03	10	599613	7082729	1007	1341767	2.041	0.3	83.6	16.1	108	1.3	117.9	0.2
KSDGP13-03	15	599613	7082724	1007	1341768	0.062	0.4	61.8	10.4	96	0.5	12	0.1
KSDGP13-03	20	599613	7082719	1007	1341769	0.018	0.3	50.3	5.7	91	0.3	7.6	0.3
KSDGP13-03	25	599613	7082714	1007	1341770	0.015	0.9	38.1	3.7	99	0.2	2.5	0.05
KSDGP13-03	30	599613	7082709	1008	1341771	0.014	0.3	30.5	4	116	0.2	4.9	0.1
KSDGP13-03	35	599613	7082705	1008	1341772	0.01	0.7	81.6	5	87	0.4	4.5	0.2
KSDGP13-03	40	599613	7082699	1008	1341773	0.022	0.4	39.9	6	259	0.3	24.4	0.3
KSDGP13-03	45	599613	7082694	1009	1341774	0.017	0.4	33.7	9.5	112	0.3	16.6	0.4
KSDGP13-03	50	599613	7082689	1009	1341775	0.01	0.5	54.4	9.7	70	0.4	4.8	0.2
KSDGP13-03	55	599613	7082684	1009	1341776	0.024	2.2	71.5	10.2	62	0.9	10.7	0.8
KSDGP13-03	60	599613	7082680	1010	1341777	0.012	1.9	13.5	6.2	71	0.3	12.7	0.5
KSDGP13-03	65	599613	7082675	1010	1341778	0.024	0.5	65.6	15.8	132	0.4	6.2	0.2

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-03	70	599614	7082670	1011	1341779	0.026	0.3	80.6	12.4	200	0.6	7.4	0.1
KSDGP13-03	75	599613	7082665	1011	1341780	0.038	0.5	182.6	47.3	200	1	8.5	0.2
KSDGP13-03	80	599614	7082660	1012	1341781	0.025	0.2	91.7	25.2	160	0.5	5.7	0.05
KSDGP13-03	85	599614	7082655	1012	1341782	0.015	0.4	93.2	16.8	92	0.4	4.4	0.05
KSDGP13-03	90	599614	7082650	1012	1341783	0.016	0.1	121.4	32	142	0.8	3.8	0.1
KSDGP13-03	95	599614	7082645	1012	1341784	0.017	0.5	156.2	19.9	234	0.8	3.4	0.05
KSDGP13-03	100	599615	7082640	1013	1341785	0.037	0.05	177	22.1	189	1.3	4	0.05
KSDGP13-04	0	599811	7082701	956	1341786	0.02	1.2	15.7	4.2	49	0.5	26.4	0.5
KSDGP13-04	5	599811	7082706	956	1341787	0.015	0.9	30	3.3	53	0.3	16.1	0.2
KSDGP13-04	10	599812	7082711	955	1341788	0.023	1.2	23	3.6	71	0.3	19.5	0.2
KSDGP13-04	15	599811	7082716	954	1341789	0.366	0.7	35.8	3.9	65	0.3	49.2	0.2
KSDGP13-04	20	599811	7082721	954	1341790	0.054	0.3	12.3	3.4	41	0.2	17	0.2
KSDGP13-04	25	599812	7082726	953	1341791	0.05	0.8	26.2	12.1	194	0.7	48.5	0.3
KSDGP13-04	30	599811	7082731	953	1341792	0.017	0.5	15.5	6	95	0.4	17.5	0.3
KSDGP13-04	35	599812	7082736	951	1341793	0.021	0.9	12.9	7.5	89	0.3	41.5	0.4
KSDGP13-04	40	599811	7082741	951	1341794	0.025	0.5	12.5	3.5	57	0.2	32.1	0.3
KSDGP13-04	45	599811	7082745	950	1341795	0.01	0.9	9	3.7	56	0.2	39.5	0.4
KSDGP13-04	50	599811	7082751	949	1341796	0.009	0.7	22.2	4.2	64	0.2	22.2	0.4
KSDGP13-04	55	599811	7082756	950	1341797	0.01	0.7	11.2	3.1	43	0.2	12.6	0.2
KSDGP13-04	60	599810	7082762	950	1341798	0.382	1	11.8	3.6	55	0.3	18.4	0.4
KSDGP13-04	65	599810	7082767	950	1341799	0.095	0.8	17.7	3.7	50	0.2	28.9	0.4
KSDGP13-04	70	599810	7082771	949	1341800	0.025	0.8	28.1	4.7	55	0.2	32.5	0.4
KSDGP13-04	75	599810	7082776	949	1341801	0.027	0.8	37.9	4.7	58	0.3	37.7	0.3
KSDGP13-04	80	599810	7082780	949	1341802	0.033	0.6	18.6	3.6	73	0.2	27.7	0.3
KSDGP13-04	85	599810	7082786	948	1341803	0.014	0.6	19.5	4.5	69	0.2	26.3	0.3
KSDGP13-04	90	599810	7082791	949	1341804	0.013	0.7	27.2	3.3	54	0.2	20	0.2
KSDGP13-04	95	599810	7082796	948	1341805	0.011	0.9	24.2	5	60	0.2	39.6	0.3
KSDGP13-04	100	599810	7082801	948	1341806	0.008	0.7	20.6	3.8	43	0.1	21.7	0.2
KSDGP13-04	105	599810	7082805	947	1341807	0.008	0.6	15.5	5.5	54	0.05	21.9	0.1
KSDGP13-04	110	599810	7082810	947	1341808	0.017	1	17.8	5.7	68	0.05	28.2	0.2
KSDGP13-04	115	599810	7082816	948	1341809	0.014	1.3	23.9	7.5	67	0.2	49.7	0.2
KSDGP13-04	120	599810	7082821	950	1341810	0.024	1.7	35.7	5	72	0.2	54.2	0.3
KSDGP13-04	125	599810	7082826	951	1341811	0.01	1.1	38.2	4	105	0.2	57	0.3

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-05	0	600009	7082883	990	1341812	0.011	0.3	8.1	4.2	40	0.2	10.7	0.3
KSDGP13-05	5	600009	7082878	989	1341813	0.032	0.4	21.3	5.2	51	0.3	15.8	0.4
KSDGP13-05	10	600009	7082875	989	1341814	0.046	0.7	13.7	4.7	61	0.3	25.8	0.4
KSDGP13-05	15	600007	7082869	985	1341815	0.018	0.2	22.7	6.3	44	0.2	16.3	0.4
KSDGP13-05	20	600009	7082864	989	1341816	0.016	0.5	13.5	5.6	53	0.3	12.6	0.2
KSDGP13-05	25	600008	7082859	986	1341817	0.066	0.05	13.6	4.2	45	0.2	12.3	0.2
KSDGP13-05	30	600009	7082854	986	1341818	0.037	0.2	20.6	5.4	51	0.3	11.2	0.3
KSDGP13-05	35	600010	7082850	984	1341819	0.049	0.1	38.1	4.6	72	0.4	9.4	0.3
KSDGP13-05	40	600009	7082845	984	1341820	0.067	0.2	18.8	6.5	62	0.3	7.3	0.3
KSDGP13-05	45	600009	7082841	982	1341821	0.049	0.3	19	4.4	64	0.3	11.8	0.3
KSDGP13-05	50	600010	7082835	981	1341822	0.382	0.2	21	6.1	55	0.7	7.4	0.3
KSDGP13-05	55	600011	7082830	982	1341823	0.045	0.4	13.1	5.4	58	0.3	11.4	0.3
KSDGP13-05	60	600010	7082826	980	1341824	0.027	0.4	13.1	3.7	63	0.2	8.9	0.2
KSDGP13-05	65	600011	7082822	978	1341825	0.034	0.7	18.3	3.9	70	0.3	9.9	0.2
KSDGP13-05	70	600012	7082816	977	1341826	0.03	0.1	6.5	4.1	44	0.3	9.6	0.3
KSDGP13-05	75	600012	7082812	974	1341827	0.098	0.3	12.2	9.6	51	0.5	14.8	0.4
KSDGP13-05	80	600011	7082807	973	1341828	0.05	0.3	24.2	5.3	51	0.3	10.7	0.2
KSDGP13-05	85	600011	7082803	972	1341829	0.042	0.3	17.5	5.1	55	0.2	12.6	0.3
KSDGP13-05	90	600012	7082797	971	1341830	0.017	0.2	29.7	6.2	91	0.2	13.2	0.3
KSDGP13-05	95	600012	7082793	970	1341831	0.022	0.4	63	9.1	126	0.4	21	0.4
KSDGP13-05	100	600012	7082789	968	1341832	0.109	0.4	24.9	7.7	76	0.3	20.5	0.4
KSDGP13-05	105	600011	7082784	968	1341833	0.028	0.5	15.2	6.6	49	0.3	21	0.4
KSDGP13-05	110	600012	7082779	967	1341834	0.018	0.3	13	6.3	33	0.3	21.1	0.4
KSDGP13-05	115	600012	7082775	965	1341835	0.021	0.3	18.1	3.7	26	0.3	11.3	0.3
KSDGP13-05	120	600012	7082769	965	1341836	0.018	0.3	12.9	4.1	35	0.3	15.5	0.3
KSDGP13-05	125	600013	7082763	965	1341837	0.07	0.3	31.8	4.4	105	0.4	28.4	0.2
KSDGP13-06	0	600205	7082921	1024	1341838	0.129	0.8	22.4	7.8	63	0.5	14	0.3
KSDGP13-06	5	600205	7082917	1025	1341839	0.02	0.6	8.9	4.5	43	0.2	5.7	0.2
KSDGP13-06	10	600206	7082912	1022	1341840	0.4	2.2	8.3	5.4	64	0.5	9.9	0.2
KSDGP13-06	15	600206	7082907	1021	1341841	0.045	0.5	7.3	5.5	49	0.3	6.1	0.3
KSDGP13-06	20	600207	7082902	1020	1341842	0.026	0.8	14.7	6.4	123	0.4	12.3	0.4
KSDGP13-06	25	600206	7082897	1018	1341843	0.027	0.5	5.1	4	84	0.2	7.6	0.2
KSDGP13-06	30	600206	7082893	1018	1341844	0.022	0.2	20.2	4	46	0.3	6.8	0.4

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-06	35	600206	7082888	1017	1341845	0.032	0.4	7.4	5.9	55	0.3	7	0.3
KSDGP13-06	40	600207	7082882	1015	1341846	0.014	0.3	20.8	3.6	95	0.3	4.7	0.3
KSDGP13-06	45	600206	7082877	1013	1341847	0.01	0.2	15	5.8	42	0.2	3.6	0.1
KSDGP13-06	50	600207	7082872	1011	1341848	0.029	0.4	46.3	6.2	71	0.4	17.3	0.2
KSDGP13-06	55	600207	7082868	1012	1341849	0.746	0.6	231.5	6.1	81	1.4	12.6	0.2
KSDGP13-06	60	600208	7082862	1011	1341850	0.029	0.2	35.3	3.9	77	0.3	9.3	0.3
KSDGP13-06	65	600208	7082857	1010	1341851	0.019	0.4	37	6.4	85	0.5	12.8	0.7
KSDGP13-06	70	600208	7082853	1009	1341852	0.033	0.5	31.3	5.1	83	0.3	11.7	0.5
KSDGP13-06	75	600208	7082849	1007	1341853	0.013	0.4	37.6	6.1	76	0.3	11.9	0.5
KSDGP13-06	80	600208	7082844	1006	1341854	0.009	0.2	34.3	6.5	77	0.3	4.9	0.4
KSDGP13-06	85	600209	7082840	1006	1341855	0.008	0.3	28.8	4.3	145	0.2	2	0.1
KSDGP13-06	90	600209	7082835	1003	1341856	0.019	0.2	51.7	5.5	120	0.3	4.5	0.3
KSDGP13-06	95	600209	7082829	1004	1341857	0.043	0.4	50.4	4.5	101	0.5	4.8	0.6
KSDGP13-06	100	600210	7082826	1004	1341858	0.025	0.3	77.3	4.4	78	0.5	7	0.5
KSDGP13-07	0	600320	7082470	911	1341859	0.013	0.2	101.2	5	168	0.9	14.1	0.3
KSDGP13-07	5	600320	7082463	911	1341860	0.010	0.2	96.4	2.7	140	1	4.1	0.1
KSDGP13-07	10	600320	7082459	909	1341861	0.137	0.3	138.4	3.8	117	0.7	4.5	0.05
KSDGP13-07	15	600321	7082453	908	1341862	0.039	0.3	131.8	3.6	71	0.6	6.3	0.3
KSDGP13-07	20	600321	7082449	908	1341863	0.010	0.3	33.3	2	34	0.3	4	0.1
KSDGP13-07	25	600320	7082443	906	1341864	0.010	0.1	36	1.3	36	0.3	3	0.05
KSDGP13-07	30	600321	7082439	906	1341865	0.019	0.1	29.6	2	32	0.2	2.7	0.05
KSDGP13-07	35	600322	7082435	905	1341866	0.030	0.2	39.4	1.8	75	0.3	2.2	0.05
KSDGP13-07	40	600322	7082431	902	1341867	0.034	0.2	67.7	1.6	68	0.4	3.4	0.05
KSDGP13-07	45	600323	7082426	899	1341868	0.650	0.2	62.4	2.6	55	0.4	4.2	0.05
KSDGP13-07	50	600322	7082421	897	1341869	0.048	0.4	46.2	2.6	61	0.3	2.6	0.05
KSDGP13-07	55	600322	7082417	896	1341870	0.473	0.3	47	2.8	41	0.3	6.6	0.1
KSDGP13-07	60	600322	7082412	894	1341871	0.025	0.2	26.8	1.5	59	0.1	0.9	0.05
KSDGP13-07	65	600323	7082407	892	1341872	0.117	0.4	16.9	2.1	61	0.05	1.8	0.05
KSDGP13-07	70	600323	7082402	890	1341873	0.048	0.3	23.8	2.9	63	0.2	5.4	0.2
KSDGP13-07	75	600323	7082398	888	1341874	0.057	0.3	25.9	4	55	0.2	8.5	0.2
KSDGP13-08	0	600224	7082373	915	1341875	0.006	0.3	17.7	4.8	55	0.2	4.5	0.4
KSDGP13-08	5	600225	7082377	913	1341876	0.010	0.3	25	3.8	55	0.3	6.7	0.4
KSDGP13-08	10	600225	7082382	911	1341877	0.009	0.3	29.1	3.4	68	0.3	6.4	0.4

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-08	15	600225	7082386	911	1341878	0.008	0.3	23.8	3.5	62	0.2	6.2	0.3
KSDGP13-08	20	600224	7082391	909	1341879	0.003	0.2	41.5	2.2	77	0.2	5.5	0.2
KSDGP13-08	25	600225	7082395	908	1341880	0.003	0.1	17.2	2.3	47	0.2	2.6	0.2
KSDGP13-08	30	600225	7082403	903	1341881	0.003	0.3	19.2	3.8	71	0.3	5.6	0.3
KSDGP13-08	35	600225	7082407	902	1341882	0.009	0.2	25.8	3.3	71	0.2	4.2	0.3
KSDGP13-08	40	600224	7082412	899	1341883	0.003	0.4	36	3.5	85	0.2	6.7	0.4
KSDGP13-08	45	600224	7082417	900	1341884	0.003	0.4	22.9	5.6	81	0.1	5.5	0.3
KSDGP13-08	55	600224	7082426	897	1341886	0.007	0.3	26.4	6.2	58	0.3	6.4	0.3
KSDGP13-08	60	600224	7082431	897	1341887	0.003	0.3	41.5	4.5	62	0.3	9.5	0.3
KSDGP13-08	65	600224	7082436	897	1341888	0.036	0.3	26.9	5.3	75	0.2	5.9	0.6
KSDGP13-08	70	600224	7082441	896	1341889	0.005	0.4	24.8	4.6	92	0.2	5.7	0.3
KSDGP13-08	75	600224	7082446	899	1341890	0.036	0.3	63.2	4.8	70	0.8	6.8	0.8
KSDGP13-08	80	600224	7082451	899	1341891	0.015	0.3	60.8	2.5	65	0.4	4.8	0.3
KSDGP13-08	85	600225	7082457	901	1341892	0.017	0.6	92.4	3.7	67	0.7	7.3	0.3
KSDGP13-08	90	600223	7082460	905	1341893	0.019	0.5	107.4	4.3	74	0.7	12.9	0.4
KSDGP13-08	95	600225	7082466	903	1341894	0.024	0.5	76.3	3.3	78	0.4	3.8	0.2
KSDGP13-08	100	600225	7082470	905	1341895	0.018	0.5	128.8	3.3	88	0.4	5	0.5
KSDGP13-09	0	600122	7082484	904	1341896	0.010	0.5	32.3	8.9	80	0.3	13.8	0.5
KSDGP13-09	5	600122	7082482	904	1341897	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
KSDGP13-09	10	600122	7082477	905	1341898	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
KSDGP13-09	15	600123	7082473	907	1341899	0.017	0.5	44.8	8.2	91	0.4	9.3	0.6
KSDGP13-09	20	600123	7082468	909	1341900	0.003	0.3	42.6	3.3	66	0.2	6.3	0.2
KSDGP13-09	25	600123	7082463	910	1341901	0.007	0.4	90.9	3.8	72	0.4	10.1	0.3
KSDGP13-09	30	600123	7082458	911	1341902	0.003	0.2	117	3.2	71	0.3	3.1	0.05
KSDGP13-09	35	600123	7082453	913	1341903	0.003	0.05	87.7	3.5	66	0.3	2.7	0.1
KSDGP13-09	40	600124	7082449	914	1341904	0.013	0.5	73.1	3.9	56	0.4	11.4	0.2
KSDGP13-09	45	600123	7082443	916	1341905	0.013	0.6	153.6	3.6	58	0.7	8	0.4
KSDGP13-09	50	600123	7082439	917	1341906	0.020	0.5	79.3	5.2	68	0.6	13.3	0.3
KSDGP13-09	55	600123	7082435	918	1341907	0.012	0.3	63.3	5.1	55	0.4	9.1	0.2
KSDGP13-09	60	600124	7082430	920	1341908	0.007	0.4	66.8	4	61	0.4	9	0.05
KSDGP13-09	65	600124	7082425	923	1341909	0.006	0.3	36.1	4.1	49	0.2	3.8	0.05
KSDGP13-09	70	600124	7082421	925	1341910	0.010	0.4	47.8	5	64	0.2	4.7	0.05
KSDGP13-09	75	600124	7082416	927	1341911	0.015	0.6	31.7	13	71	0.5	11	2.8

Line ID	Sta.	Easting	Northing	Eleva.	Sample No.	Au(ppm)	Mo(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	As(ppm)	Bi(ppm)
KSDGP13-09	80	600124	7082412	930	1341912	0.009	0.2	34.7	6.3	68	0.3	6.9	0.4
KSDGP13-09	85	600125	7082407	930	1341913	0.011	0.2	34.3	14.2	60	0.5	7.4	1.7
KSDGP13-09	90	600125	7082403	932	1341914	0.010	0.2	32.5	5	47	0.3	6.2	0.5
KSDGP13-09	95	600125	7082398	933	1341915	0.006	0.2	35.9	5.4	46	0.3	4	0.5
KSDGP13-09	100	600125	7082393	934	1341916	0.013	0.3	54.3	10.2	87	0.8	11.9	1.2
KSDGP13-10	0	600128	7082285	963	1341917	0.013	0.4	59.9	7.2	52	0.3	12	0.5
KSDGP13-10	5	600128	7082280	964	1341918	0.014	0.3	76.4	4.9	41	0.5	6.6	0.8
KSDGP13-10	10	600128	7082276	966	1341919	0.036	1	37.6	4.6	65	0.2	6	0.3
KSDGP13-10	15	600128	7082271	967	1341920	0.003	0.2	50.5	8.7	52	0.3	5.8	0.4
KSDGP13-10	20	600128	7082266	967	1341921	0.003	0.6	54.1	6.7	65	0.3	13.3	0.4
KSDGP13-10	25	600128	7082261	967	1341922	0.003	0.9	61	11.5	73	0.6	2.6	0.8
KSDGP13-10	30	600129	7082256	967	1341923	0.065	0.7	79.3	51.5	124	4.2	20.7	7.3
KSDGP13-10	35	600129	7082250	968	1341924	0.075	0.6	25.6	65.8	49	3.6	6.7	3.7
KSDGP13-10	40	600129	7082245	969	1341925	0.040	0.8	32.8	18	50	1.1	7.6	1
KSDGP13-10	45	600129	7082241	971	1341926	0.022	0.3	62	11.3	67	0.8	9.2	0.8
KSDGP13-10	50	600129	7082236	971	1341927	0.013	0.3	67.5	7.1	77	0.6	14.8	0.7
KSDGP13-10	55	600129	7082231	971	1341928	0.008	0.8	40.9	6.6	44	0.4	11.4	0.4
KSDGP13-10	60	600130	7082227	972	1341929	2.861	1.6	122.3	334	165	74.5	25.4	153.8
KSDGP13-10	65	600129	7082222	973	1341930	0.061	0.4	100	47.6	114	3.8	29.4	4.7
KSDGP13-10	70	600130	7082218	974	1341931	0.055	0.6	70.3	39.8	125	2.1	30.3	2.3
KSDGP13-10	75	600129	7082212	974	1341932	0.036	0.3	78.3	12.1	72	0.9	27.6	0.7
KSDGP13-10	80	600130	7082207	975	1341933	0.087	0.5	91.5	44.2	118	2.7	28.2	1.7
KSDGP13-10	85	600130	7082202	976	1341934	0.039	0.2	147.1	22.8	142	2.4	27.2	2
KSDGP13-10	90	600130	7082196	978	1341935	0.146	1.1	82.5	108.8	85	5.1	51.7	4
KSDGP13-10	95	600130	7082192	978	1341936	0.031	0.5	92.6	16.9	97	1.6	23.4	1.8
KSDGP13-10	100	600131	7082187	978	1341937	0.088	1.4	10.3	19.9	21	2.4	7.3	2.8

Appendix VIII
Assay Certificates – Geoprobe rocks

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 14, 2013
Report Date: August 28, 2013
Page: 1 of 7

CERTIFICATE OF ANALYSIS WHI13000294.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSDGP13-001
P.O. Number
Number of Samples: 158

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	152	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G601	158	Fire Assay Fusion Au - AAS Finish	30	Completed	VAN
1DX1	158	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
CANADA

CC: John Brock

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341838	Rock	0.97	0.129	0.8	22.4	7.8	63	0.5	29.2	17.8	873	4.19	14.0	75.3	8.4	15	0.2	0.4	0.3	30	0.30
1341839	Rock	0.94	0.020	0.6	8.9	4.5	43	0.2	47.0	22.2	833	4.26	5.7	17.1	10.8	18	<0.1	<0.1	0.2	54	0.38
1341840	Rock	1.24	0.400	2.2	8.3	5.4	64	0.5	68.0	21.1	946	3.78	9.9	31.6	8.0	18	0.1	0.4	0.2	30	1.01
1341841	Rock	1.16	0.045	0.5	7.3	5.5	49	0.3	64.3	22.4	934	4.08	6.1	19.2	8.4	17	0.3	0.1	0.3	34	1.24
1341842	Rock	1.10	0.026	0.8	14.7	6.4	123	0.4	108.8	28.9	970	4.85	12.3	24.1	6.6	14	0.3	0.7	0.4	50	0.36
1341843	Rock	1.34	0.027	0.5	5.1	4.0	84	0.2	92.5	25.3	1026	4.39	7.6	23.9	6.1	43	0.2	0.2	0.2	43	2.64
1341844	Rock	0.95	0.022	0.2	20.2	4.0	46	0.3	42.5	20.3	728	4.42	6.8	20.5	7.5	21	0.1	0.1	0.4	65	0.59
1341845	Rock	0.94	0.032	0.4	7.4	5.9	55	0.3	56.9	22.6	1183	4.30	7.0	80.4	10.1	26	0.2	0.1	0.3	36	2.02
1341846	Rock	0.83	0.014	0.3	20.8	3.6	95	0.3	27.3	17.1	844	3.94	4.7	12.6	2.5	12	0.5	<0.1	0.3	64	0.24
1341847	Rock	0.93	0.010	0.2	15.0	5.8	42	0.2	50.3	19.7	963	3.82	3.6	7.9	10.3	38	0.3	0.1	0.1	63	8.59
1341848	Rock	0.80	0.029	0.4	46.3	6.2	71	0.4	9.9	12.0	816	3.75	17.3	21.9	3.6	19	0.4	0.2	0.2	26	3.87
1341849	Rock	0.73	0.746	0.6	231.5	6.1	81	1.4	12.2	16.6	929	4.28	12.6	501.0	2.4	65	0.7	0.1	0.2	58	2.84
1341850	Rock	0.92	0.029	0.2	35.3	3.9	77	0.3	12.1	18.3	815	5.56	9.3	23.5	0.9	57	0.2	<0.1	0.3	137	2.09
1341851	Rock	0.93	0.019	0.4	37.0	6.4	85	0.5	17.5	23.5	1194	5.57	12.8	14.6	1.3	54	0.4	0.2	0.7	114	2.72
1341852	Rock	0.94	0.033	0.5	31.3	5.1	83	0.3	37.3	16.9	648	3.82	11.7	32.2	5.0	8	0.5	0.1	0.5	41	0.28
1341853	Rock	0.79	0.013	0.4	37.6	6.1	76	0.3	20.6	26.0	930	4.56	11.9	12.3	2.1	18	0.4	0.2	0.5	54	0.68
1341854	Rock	1.03	0.009	0.2	34.3	6.5	77	0.3	48.6	19.0	1030	4.07	4.9	10.3	10.0	76	0.8	0.1	0.4	62	3.27
1341855	Rock	0.47	0.008	0.3	28.8	4.3	145	0.2	175.8	27.4	1313	5.06	2.0	6.9	3.7	64	1.1	<0.1	0.1	122	1.84
1341856	Rock	0.71	0.019	0.2	51.7	5.5	120	0.3	28.8	24.2	1251	6.01	4.5	19.3	2.4	16	0.6	0.2	0.3	110	0.65
1341857	Rock	1.13	0.043	0.4	50.4	4.5	101	0.5	16.9	23.5	1099	5.62	4.8	41.3	1.6	7	0.4	0.1	0.6	75	0.23
1341858	Rock	0.89	0.025	0.3	77.3	4.4	78	0.5	44.0	26.7	1085	5.45	7.0	18.7	2.1	8	0.4	0.2	0.5	101	0.26
1266788	Rock Pulp	0.05	0.006	2.5	23.3	2.4	44	0.2	22.7	9.9	380	2.31	4.4	<0.5	0.9	40	0.1	0.3	<0.1	55	0.79
1266789	Rock Pulp	0.05	0.903	4.5	31.6	5.4	49	0.3	24.7	8.8	382	2.44	5.5	538.0	0.9	40	0.1	0.8	0.1	55	0.80
1341765	Rock	1.13	0.025	0.4	25.7	5.3	73	0.3	10.4	13.8	735	4.11	7.5	21.9	2.5	8	0.2	0.1	0.1	23	0.15
1341766	Rock	1.20	0.324	0.4	19.4	13.0	68	0.6	9.3	15.6	1276	4.32	10.3	81.9	2.3	13	0.8	0.2	0.2	15	0.85
1341767	Rock	1.40	2.041	0.3	83.6	16.1	108	1.3	5.4	16.8	660	5.62	117.9	1156	2.1	16	0.3	0.7	0.2	34	0.46
1341768	Rock	0.85	0.062	0.4	61.8	10.4	96	0.5	7.8	13.4	1442	4.15	12.0	82.0	2.2	10	0.6	0.3	0.1	21	0.24
1341769	Rock	0.66	0.018	0.3	50.3	5.7	91	0.3	9.3	13.7	1003	3.86	7.6	20.8	4.0	6	0.1	0.2	0.3	29	0.15
1341770	Rock	0.78	0.015	0.9	38.1	3.7	99	0.2	6.1	11.0	968	4.21	2.5	21.4	1.8	4	0.2	0.1	<0.1	69	0.07
1341771	Rock	0.98	0.014	0.3	30.5	4.0	116	0.2	8.2	11.9	1006	3.43	4.9	9.1	2.1	8	0.2	0.1	0.1	25	0.15

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Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341838	Rock		0.113	62	23	0.92	213	0.003	<20	1.67	0.030	0.21	<0.1	<0.01	9.1	<0.1	<0.05	5	0.7	<0.2
1341839	Rock		0.152	112	90	2.17	166	0.004	<20	2.72	0.032	0.11	<0.1	<0.01	10.7	<0.1	<0.05	7	<0.5	<0.2
1341840	Rock		0.134	86	80	1.29	232	0.003	<20	1.72	0.025	0.19	<0.1	<0.01	7.6	0.1	<0.05	4	0.7	<0.2
1341841	Rock		0.154	75	90	1.30	149	0.003	<20	1.71	0.032	0.15	<0.1	<0.01	8.1	<0.1	<0.05	4	<0.5	<0.2
1341842	Rock		0.139	59	153	1.95	172	0.002	<20	2.43	0.020	0.15	<0.1	0.02	9.0	0.1	<0.05	6	<0.5	<0.2
1341843	Rock		0.111	69	129	2.12	142	0.003	<20	2.40	0.022	0.14	<0.1	0.01	9.0	<0.1	<0.05	6	<0.5	<0.2
1341844	Rock		0.127	72	63	2.10	131	0.005	<20	2.49	0.043	0.09	<0.1	<0.01	11.4	<0.1	<0.05	6	0.5	<0.2
1341845	Rock		0.156	106	75	1.23	138	0.003	<20	1.73	0.031	0.13	<0.1	<0.01	9.6	<0.1	<0.05	4	<0.5	<0.2
1341846	Rock		0.059	21	50	1.76	142	0.002	<20	2.41	0.017	0.07	<0.1	<0.01	10.4	<0.1	<0.05	6	<0.5	<0.2
1341847	Rock		0.159	100	87	0.42	323	0.001	<20	1.46	0.019	0.07	0.2	<0.01	15.1	<0.1	<0.05	4	<0.5	<0.2
1341848	Rock		0.049	11	11	0.42	205	<0.001	<20	1.31	0.015	0.11	<0.1	<0.01	8.3	<0.1	<0.05	3	<0.5	<0.2
1341849	Rock		0.054	11	15	1.66	140	0.004	<20	2.16	0.013	0.14	<0.1	<0.01	10.8	<0.1	<0.05	6	<0.5	<0.2
1341850	Rock		0.057	5	17	2.42	64	0.033	<20	3.03	0.028	0.06	<0.1	<0.01	14.6	<0.1	0.06	10	<0.5	<0.2
1341851	Rock		0.050	11	28	2.71	100	0.008	<20	3.21	0.017	0.10	<0.1	<0.01	15.9	<0.1	<0.05	9	<0.5	0.3
1341852	Rock		0.074	36	57	2.05	136	0.005	<20	2.35	0.040	0.13	<0.1	<0.01	9.1	<0.1	<0.05	7	1.1	<0.2
1341853	Rock		0.064	21	31	2.47	127	0.005	<20	2.68	0.020	0.11	<0.1	<0.01	10.9	<0.1	<0.05	7	0.7	<0.2
1341854	Rock		0.175	121	91	2.86	128	0.005	<20	3.04	0.031	0.12	<0.1	<0.01	11.9	<0.1	<0.05	8	0.8	<0.2
1341855	Rock		0.089	44	473	4.56	72	0.011	<20	4.17	0.009	0.07	<0.1	<0.01	19.8	<0.1	<0.05	10	<0.5	<0.2
1341856	Rock		0.076	29	51	3.20	141	0.008	<20	3.71	0.018	0.12	<0.1	<0.01	14.9	<0.1	<0.05	10	0.5	<0.2
1341857	Rock		0.069	10	51	2.82	171	0.008	<20	3.18	0.022	0.14	<0.1	<0.01	11.7	<0.1	<0.05	9	1.0	0.2
1341858	Rock		0.067	20	89	3.20	139	0.016	<20	3.42	0.019	0.08	<0.1	<0.01	14.4	<0.1	<0.05	9	1.0	<0.2
1266788	Rock Pulp		0.057	4	28	0.76	96	0.117	<20	1.52	0.070	0.13	13.4	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1266789	Rock Pulp		0.055	4	32	0.72	92	0.117	<20	1.51	0.075	0.13	10.3	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
1341765	Rock		0.075	5	9	0.91	119	0.003	<20	1.48	0.040	0.16	<0.1	<0.01	5.6	<0.1	0.10	4	0.8	<0.2
1341766	Rock		0.105	4	3	0.29	125	0.002	<20	0.79	0.044	0.18	<0.1	<0.01	5.4	<0.1	0.53	2	0.8	0.4
1341767	Rock		0.139	9	4	1.04	86	0.002	<20	2.21	0.033	0.13	<0.1	<0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
1341768	Rock		0.101	4	6	0.64	81	0.002	<20	1.16	0.047	0.12	<0.1	0.02	7.1	<0.1	0.16	3	0.7	<0.2
1341769	Rock		0.060	12	9	1.51	152	0.003	<20	2.13	0.012	0.13	<0.1	0.01	5.8	<0.1	0.17	5	<0.5	<0.2
1341770	Rock		0.057	8	5	2.38	72	0.004	<20	2.53	0.040	0.06	<0.1	0.01	9.8	<0.1	<0.05	7	<0.5	<0.2
1341771	Rock		0.056	4	10	1.09	209	0.002	<20	1.50	0.040	0.14	<0.1	0.01	5.3	<0.1	0.20	4	<0.5	<0.2

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Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341772	Rock	0.66	0.010	0.7	81.6	5.0	87	0.4	15.7	22.7	1490	4.39	4.5	12.3	1.4	29	<0.1	0.1	0.2	36	1.62
1341773	Rock	1.03	0.022	0.4	39.9	6.0	259	0.3	3.8	11.1	738	3.91	24.4	23.1	3.4	5	0.5	0.2	0.3	25	0.11
1341774	Rock	0.88	0.017	0.4	33.7	9.5	112	0.3	4.6	12.7	1281	3.92	16.6	15.5	3.5	6	1.1	<0.1	0.4	28	0.14
1341775	Rock	0.95	0.010	0.5	54.4	9.7	70	0.4	25.2	21.4	1097	4.21	4.8	8.7	1.4	4	0.1	0.2	0.2	64	0.09
1341776	Rock	0.93	0.024	2.2	71.5	10.2	62	0.9	23.3	23.5	1229	5.04	10.7	18.3	1.4	6	0.1	0.2	0.8	30	0.07
1341777	Rock	0.96	0.012	1.9	13.5	6.2	71	0.3	17.1	14.1	814	4.96	12.7	8.4	0.9	4	0.1	0.2	0.5	52	0.04
1341778	Rock	0.88	0.024	0.5	65.6	15.8	132	0.4	12.5	13.7	687	4.03	6.2	13.8	2.6	7	0.7	0.2	0.2	34	0.10
1341779	Rock	1.04	0.026	0.3	80.6	12.4	200	0.6	10.7	19.3	713	4.67	7.4	19.8	1.2	5	0.6	0.2	0.1	72	0.08
1341780	Rock	1.01	0.038	0.5	182.6	47.3	200	1.0	19.1	33.6	1840	6.16	8.5	26.1	0.5	11	1.5	0.2	0.2	78	0.17
1341781	Rock	0.88	0.025	0.2	91.7	25.2	160	0.5	11.2	21.6	1140	4.12	5.7	16.3	0.9	29	1.1	0.1	<0.1	73	2.44
1341782	Rock	0.71	0.015	0.4	93.2	16.8	92	0.4	8.7	15.0	1124	3.01	4.4	10.4	0.6	48	0.8	0.2	<0.1	38	2.98
1341783	Rock	1.25	0.016	0.1	121.4	32.0	142	0.8	13.2	24.3	885	4.31	3.8	11.5	0.5	31	0.6	0.2	0.1	85	2.01
1341784	Rock	0.82	0.017	0.5	156.2	19.9	234	0.8	15.1	23.0	1363	4.18	3.4	9.9	0.6	10	2.4	0.1	<0.1	62	0.39
1341785	Rock	1.07	0.037	<0.1	177.0	22.1	189	1.3	13.4	17.7	862	4.28	4.0	31.8	0.6	5	1.8	0.3	<0.1	68	0.10
1265963	Rock	0.89	0.024	0.6	15.0	8.4	179	0.2	8.1	9.2	440	2.94	9.9	13.5	3.2	5	1.4	<0.1	0.1	23	0.15
1265964	Rock	0.86	0.008	0.9	18.4	17.0	107	0.3	11.2	7.3	342	2.92	16.5	4.7	4.4	7	0.5	0.2	0.3	17	0.20
1265965	Rock	1.14	0.012	0.9	37.3	23.3	111	0.5	20.5	6.5	425	2.09	19.4	7.4	6.7	7	0.8	0.1	0.4	13	0.19
1265966	Rock	1.10	0.013	1.1	34.1	58.1	279	0.6	15.7	9.1	592	2.84	15.0	6.5	4.8	6	2.4	0.2	0.2	21	0.15
1265967	Rock	1.17	0.007	0.4	23.1	25.6	139	0.3	17.0	7.7	416	2.51	78.6	2.5	5.0	6	0.8	0.1	<0.1	23	0.21
1265968	Rock	0.85	0.023	0.2	56.8	161.9	411	1.0	7.8	17.1	736	5.59	11.8	15.7	1.6	4	2.9	0.4	<0.1	164	0.13
1265969	Rock	1.06	0.023	0.8	28.6	25.6	236	0.4	4.5	12.5	630	3.90	12.5	15.5	3.5	6	2.1	0.3	<0.1	23	0.14
1265970	Rock	1.07	0.139	0.7	43.0	32.3	314	0.6	5.2	7.4	577	3.35	651.7	98.3	3.3	7	3.2	0.7	<0.1	20	0.16
1265971	Rock	1.04	0.025	0.4	67.0	16.8	141	0.4	22.1	23.9	1298	5.21	11.8	16.0	1.1	28	2.8	0.1	<0.1	91	2.26
1265972	Rock	1.06	0.006	0.2	29.8	9.6	87	0.2	21.9	20.4	1520	3.10	3.9	4.2	0.4	100	0.3	<0.1	<0.1	43	5.74
1265973	Rock	1.11	0.023	0.2	56.7	13.2	110	0.3	23.0	20.6	1110	3.49	5.3	14.3	0.5	61	0.5	<0.1	<0.1	66	4.51
1265974	Rock	0.81	0.012	0.2	35.6	22.8	97	0.3	17.0	22.1	962	4.49	5.3	8.0	0.8	57	0.6	0.1	<0.1	113	4.43
1265975	Rock	0.98	0.018	0.1	104.1	29.4	216	0.7	19.5	23.0	1104	4.18	14.0	10.9	0.4	34	0.7	0.2	0.1	100	2.98
1265976	Rock	1.31	0.012	<0.1	64.1	17.2	169	0.4	22.6	21.8	1194	3.74	5.4	7.4	0.5	41	0.7	<0.1	0.1	69	3.61
1265977	Rock	0.74	0.005	<0.1	49.0	19.7	108	0.2	24.1	24.1	1176	4.38	2.1	2.4	0.5	43	0.5	0.1	<0.1	134	2.61
1265978	Rock	1.18	0.286	0.4	42.5	17.2	133	0.5	24.4	22.9	1685	3.25	4.7	66.8	0.2	59	1.8	0.1	<0.1	21	8.15

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Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341772	Rock	0.050	1	10	1.81	94	0.002	<20	2.05	0.031	0.11	<0.1	<0.01	7.8	<0.1	0.65	5	1.0	<0.2
1341773	Rock	0.057	8	5	1.48	175	0.002	<20	2.00	0.033	0.17	<0.1	0.02	5.2	<0.1	0.09	5	0.7	<0.2
1341774	Rock	0.085	14	3	1.39	176	0.002	<20	2.00	0.028	0.17	<0.1	<0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
1341775	Rock	0.043	5	33	2.59	128	0.003	<20	2.65	0.022	0.10	<0.1	<0.01	8.7	<0.1	0.11	6	0.9	<0.2
1341776	Rock	0.069	5	26	1.83	126	0.002	<20	1.92	0.020	0.12	<0.1	0.03	4.1	<0.1	<0.05	4	2.3	<0.2
1341777	Rock	0.047	2	17	2.71	98	0.002	<20	2.55	0.011	0.09	<0.1	0.01	5.0	<0.1	<0.05	5	1.0	<0.2
1341778	Rock	0.060	6	10	1.46	114	0.002	<20	1.81	0.023	0.14	<0.1	0.02	5.7	<0.1	<0.05	4	1.2	<0.2
1341779	Rock	0.035	3	11	2.43	73	0.003	<20	2.77	0.028	0.11	<0.1	0.02	9.0	<0.1	0.14	6	0.9	<0.2
1341780	Rock	0.025	3	14	1.60	117	0.001	<20	2.37	0.032	0.11	<0.1	0.02	15.5	<0.1	0.19	4	0.8	<0.2
1341781	Rock	0.031	2	12	2.28	93	0.003	<20	2.60	0.022	0.09	<0.1	0.02	10.9	<0.1	0.59	5	<0.5	<0.2
1341782	Rock	0.019	2	11	1.23	102	0.002	<20	1.54	0.023	0.10	<0.1	0.01	6.7	<0.1	0.35	3	0.6	<0.2
1341783	Rock	0.016	2	11	2.33	118	0.004	<20	2.72	0.035	0.12	<0.1	0.02	8.9	<0.1	0.53	6	0.7	<0.2
1341784	Rock	0.021	4	15	2.51	130	0.004	<20	2.66	0.036	0.11	<0.1	0.02	8.0	<0.1	0.06	5	<0.5	<0.2
1341785	Rock	0.025	4	11	2.42	227	0.032	<20	2.64	0.015	0.10	<0.1	0.02	7.7	<0.1	<0.05	5	0.7	<0.2
1265963	Rock	0.066	10	13	1.61	168	0.004	<20	1.83	0.016	0.20	<0.1	<0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
1265964	Rock	0.081	8	13	1.76	163	0.003	<20	1.84	0.009	0.16	<0.1	0.01	3.2	<0.1	0.06	4	<0.5	<0.2
1265965	Rock	0.096	17	17	0.79	229	0.003	<20	1.13	0.023	0.20	<0.1	<0.01	2.5	<0.1	<0.05	3	0.5	<0.2
1265966	Rock	0.076	15	13	1.55	182	0.003	<20	1.75	0.007	0.17	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1265967	Rock	0.084	13	18	2.10	144	0.003	<20	2.07	0.007	0.14	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
1265968	Rock	0.064	6	5	1.77	51	0.007	<20	2.77	0.036	0.06	<0.1	0.01	14.7	<0.1	<0.05	10	1.9	<0.2
1265969	Rock	0.078	7	5	1.00	107	0.003	<20	1.66	0.028	0.16	<0.1	0.02	5.6	<0.1	0.06	5	0.6	<0.2
1265970	Rock	0.068	7	5	0.83	107	0.002	<20	1.37	0.023	0.13	<0.1	0.02	5.6	<0.1	<0.05	4	1.0	<0.2
1265971	Rock	0.039	2	11	2.08	57	0.003	<20	2.84	0.017	0.09	<0.1	0.02	12.2	<0.1	0.21	7	<0.5	<0.2
1265972	Rock	0.018	1	17	2.06	55	0.003	<20	2.39	0.024	0.10	<0.1	<0.01	10.7	<0.1	<0.05	5	<0.5	<0.2
1265973	Rock	0.019	2	20	2.43	73	0.003	<20	2.81	0.019	0.10	<0.1	<0.01	11.6	<0.1	0.08	5	<0.5	<0.2
1265974	Rock	0.029	3	23	2.32	35	0.003	<20	3.06	0.025	0.07	<0.1	0.01	12.3	<0.1	<0.05	7	0.6	<0.2
1265975	Rock	0.018	2	16	2.61	71	0.003	<20	3.00	0.013	0.09	<0.1	<0.01	12.1	<0.1	0.30	5	1.1	<0.2
1265976	Rock	0.015	2	13	2.47	65	0.003	<20	2.92	0.015	0.10	<0.1	<0.01	9.0	<0.1	0.10	6	<0.5	<0.2
1265977	Rock	0.021	2	15	2.63	83	0.008	<20	3.34	0.017	0.08	<0.1	<0.01	11.3	<0.1	<0.05	7	<0.5	<0.2
1265978	Rock	0.018	<1	9	0.75	102	0.001	<20	0.93	0.015	0.09	<0.1	<0.01	7.6	<0.1	0.14	2	<0.5	<0.2

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Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1265979	Rock	0.75	0.013	0.3	18.9	9.2	99	0.2	19.2	19.2	1202	4.74	7.2	10.5	1.7	15	0.2	0.1	0.3	27	1.99
1265980	Rock	1.21	0.027	0.4	28.6	7.3	94	0.2	20.3	19.0	1126	3.75	6.9	12.2	1.9	25	<0.1	0.2	0.4	28	2.02
1265981	Rock	0.88	0.011	0.2	18.0	5.9	82	0.1	16.6	17.2	1299	3.38	6.0	7.6	2.0	49	<0.1	0.1	0.3	28	2.85
1265982	Rock	1.12	0.020	1.0	32.2	7.7	85	0.3	11.9	14.7	1275	3.62	9.5	27.1	2.6	8	0.2	0.4	0.3	30	0.42
1265983	Rock	0.93	0.014	0.4	18.3	4.6	94	0.2	14.7	12.3	875	3.42	6.4	8.0	2.1	11	0.1	0.1	0.2	24	0.52
1265984	Rock	1.21	0.013	0.5	31.4	4.9	71	0.2	9.7	17.1	804	3.96	9.6	5.0	3.2	7	0.1	0.2	0.2	31	0.44
1265985	Rock	1.15	0.014	0.6	14.1	4.8	68	0.2	8.2	10.1	548	3.27	6.9	51.3	4.1	9	0.1	0.2	0.2	20	0.40
1265986	Rock	1.02	0.038	0.6	21.4	5.6	82	0.2	8.8	14.2	879	3.91	6.2	10.2	3.6	5	0.2	0.1	0.2	21	0.14
1265987	Rock	0.92	0.023	0.7	27.1	7.3	113	0.4	11.8	10.9	717	2.77	8.6	11.5	4.8	10	0.6	0.3	0.1	14	0.79
1265988	Rock	1.13	0.011	1.4	55.8	8.7	123	0.7	17.1	9.9	496	2.77	6.7	7.2	5.3	8	0.6	0.4	0.1	18	0.31
1265989	Rock	1.24	0.017	0.4	16.1	3.6	84	0.4	12.7	12.9	193	5.90	2.6	11.2	1.5	5	<0.1	<0.1	0.6	27	0.04
1265990	Rock	1.06	0.021	0.9	28.6	10.9	116	0.4	10.1	15.5	474	6.62	1.8	19.3	1.7	4	0.2	0.1	0.4	50	0.04
1265991	Rock	1.05	0.012	<0.1	47.6	16.9	220	0.4	17.6	23.8	1502	5.67	1.7	7.7	1.3	5	1.4	0.1	0.3	93	0.13
1265992	Rock	0.92	0.014	0.3	55.9	11.9	161	0.8	13.2	19.6	850	6.11	5.5	12.5	1.8	4	0.4	<0.1	0.2	84	0.10
1265993	Rock	0.88	0.026	0.7	42.1	10.7	127	0.5	8.8	15.4	801	4.19	10.9	13.4	2.5	5	1.3	0.3	0.2	27	0.09
1265994	Rock	0.78	0.168	0.6	17.7	12.6	90	0.4	3.8	6.3	237	2.20	3.1	50.0	3.3	3	0.7	0.1	0.2	5	0.02
1265995	Rock	0.87	0.016	0.6	32.3	9.4	69	0.3	8.4	10.8	941	2.96	7.4	10.7	3.8	5	0.6	0.2	0.1	18	0.10
1265996	Rock	0.72	0.006	0.3	8.3	6.5	74	0.1	13.6	7.4	1001	2.82	2.4	4.5	2.8	5	0.3	<0.1	<0.1	30	0.17
1265997	Rock	0.88	0.011	<0.1	14.1	8.1	72	0.2	12.8	8.8	942	2.99	3.1	4.1	3.2	12	0.4	<0.1	<0.1	33	0.79
1265998	Rock	0.95	0.017	0.2	11.0	11.7	79	<0.1	6.3	10.3	912	3.22	4.3	8.1	3.3	4	0.5	0.1	0.2	28	0.05
1265999	Rock	0.85	0.015	0.7	31.0	20.2	467	0.4	3.1	7.8	500	4.48	10.4	9.6	3.1	4	1.2	0.2	0.3	27	0.02
1266000	Rock	0.85	0.009	0.5	6.1	19.0	96	0.2	5.7	8.4	590	3.25	5.3	6.4	3.5	4	0.4	<0.1	0.2	13	0.03
1341751	Rock	0.96	0.034	0.3	13.0	28.3	276	0.4	7.4	5.9	404	2.61	6.6	24.1	3.8	5	1.8	0.3	<0.1	15	0.15
1341752	Rock	0.97	0.055	0.6	59.9	75.2	680	1.1	11.9	16.8	735	4.40	8.3	37.8	4.0	4	3.2	0.4	<0.1	55	0.11
1341753	Rock	0.90	0.049	0.2	60.9	38.7	534	0.5	9.3	12.4	923	3.26	2.7	33.8	2.4	5	3.0	0.2	<0.1	28	0.08
1341754	Rock	0.94	0.033	0.8	74.2	73.9	653	0.7	9.9	13.8	526	3.83	9.2	34.5	2.3	15	4.0	0.3	<0.1	29	0.09
1341755	Rock	1.04	0.041	2.0	100.3	253.7	1429	1.6	15.4	30.9	2163	4.85	6.4	37.8	1.7	9	13.3	0.4	0.4	43	0.59
1341756	Rock	0.82	0.049	0.9	100.2	147.3	1384	1.1	14.6	40.5	1287	6.00	10.1	156.5	1.9	6	6.3	0.4	0.4	41	0.07
1341757	Rock	1.16	0.022	0.4	74.6	77.0	847	0.9	12.0	20.1	787	3.59	2.7	18.5	2.4	4	4.7	0.4	<0.1	40	0.10
1341758	Rock	0.58	0.048	0.3	51.2	36.0	212	0.6	5.9	7.2	372	2.23	2.9	43.5	2.8	4	2.0	0.2	<0.1	10	0.06

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Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1265979	Rock	0.057	1	23	1.70	118	0.002	<20	2.02	0.010	0.11	<0.1	0.01	4.7	<0.1	1.46	4	2.4	0.2
1265980	Rock	0.060	2	24	1.70	121	0.002	<20	2.01	0.014	0.12	<0.1	<0.01	4.6	<0.1	0.62	4	<0.5	<0.2
1265981	Rock	0.058	4	21	1.71	119	0.003	<20	1.95	0.009	0.11	<0.1	<0.01	4.3	<0.1	0.68	4	<0.5	<0.2
1265982	Rock	0.066	7	13	1.36	169	0.002	<20	1.73	0.008	0.09	<0.1	<0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
1265983	Rock	0.052	7	17	1.61	149	0.003	<20	1.78	0.008	0.13	<0.1	<0.01	3.4	<0.1	0.30	4	<0.5	<0.2
1265984	Rock	0.060	10	10	1.66	102	0.002	<20	2.07	0.016	0.10	<0.1	0.01	5.1	<0.1	0.12	4	<0.5	<0.2
1265985	Rock	0.075	15	10	1.54	108	0.003	<20	1.91	0.015	0.10	<0.1	0.01	4.7	<0.1	0.10	4	<0.5	0.2
1265986	Rock	0.070	11	8	1.24	207	0.002	<20	1.70	0.014	0.14	<0.1	<0.01	4.3	<0.1	0.19	4	<0.5	<0.2
1265987	Rock	0.096	11	10	0.81	222	0.003	<20	1.20	0.008	0.19	<0.1	0.01	2.6	<0.1	0.22	3	0.7	<0.2
1265988	Rock	0.084	10	13	0.93	255	0.003	<20	1.27	0.014	0.19	<0.1	<0.01	2.3	<0.1	<0.05	3	0.8	<0.2
1265989	Rock	0.049	2	11	1.00	95	0.002	<20	1.41	0.017	0.12	<0.1	0.01	4.8	<0.1	0.30	4	2.3	0.3
1265990	Rock	0.059	4	9	1.35	118	0.004	<20	1.96	0.020	0.12	<0.1	0.02	6.7	<0.1	0.06	5	2.5	0.3
1265991	Rock	0.038	4	16	2.71	221	0.004	<20	3.16	0.009	0.09	<0.1	0.02	7.9	<0.1	0.41	8	0.9	0.3
1265992	Rock	0.058	5	13	2.60	121	0.005	<20	3.26	0.015	0.09	<0.1	0.02	9.3	<0.1	0.08	8	1.1	0.3
1265993	Rock	0.059	5	7	1.12	132	0.002	<20	1.57	0.029	0.09	<0.1	0.01	6.0	<0.1	0.11	4	<0.5	<0.2
1265994	Rock	0.036	8	4	0.15	132	0.001	<20	0.42	0.030	0.14	<0.1	0.02	1.8	<0.1	<0.05	1	<0.5	<0.2
1265995	Rock	0.047	9	7	0.92	159	0.002	<20	1.30	0.020	0.13	<0.1	0.01	3.8	<0.1	<0.05	3	<0.5	<0.2
1265996	Rock	0.093	9	14	1.66	111	0.003	<20	1.91	0.028	0.11	<0.1	<0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
1265997	Rock	0.079	11	16	1.53	75	0.002	<20	1.86	0.033	0.08	<0.1	<0.01	6.8	<0.1	0.06	5	<0.5	<0.2
1265998	Rock	0.049	12	6	1.31	62	0.002	<20	1.67	0.025	0.12	<0.1	<0.01	5.1	<0.1	<0.05	4	<0.5	<0.2
1265999	Rock	0.047	8	4	1.18	78	0.004	<20	1.51	0.015	0.11	<0.1	0.09	3.7	<0.1	<0.05	4	2.7	<0.2
1266000	Rock	0.038	7	6	0.76	157	0.002	<20	1.06	0.024	0.14	<0.1	<0.01	2.8	<0.1	0.06	3	0.8	<0.2
1341751	Rock	0.071	13	8	0.79	532	0.002	<20	1.32	0.013	0.10	<0.1	<0.01	4.0	<0.1	<0.05	3	<0.5	<0.2
1341752	Rock	0.062	12	16	2.18	261	0.003	<20	2.63	0.007	0.08	<0.1	0.03	7.0	<0.1	<0.05	7	<0.5	<0.2
1341753	Rock	0.046	5	11	1.30	282	0.002	<20	1.67	0.012	0.08	<0.1	0.04	4.3	<0.1	0.08	4	0.6	<0.2
1341754	Rock	0.049	5	10	1.25	690	0.002	<20	1.63	0.009	0.12	<0.1	0.03	3.9	<0.1	0.07	4	0.7	<0.2
1341755	Rock	0.054	4	9	1.86	416	0.002	<20	2.14	0.009	0.10	<0.1	0.13	5.8	<0.1	0.30	5	<0.5	0.4
1341756	Rock	0.054	4	8	1.87	340	0.002	<20	2.72	0.006	0.12	<0.1	0.16	5.0	<0.1	0.12	5	1.7	0.3
1341757	Rock	0.049	5	15	1.99	251	0.003	<20	2.23	0.007	0.08	<0.1	0.13	4.4	<0.1	0.09	5	<0.5	<0.2
1341758	Rock	0.048	8	8	0.54	298	0.003	<20	0.82	0.018	0.10	<0.1	0.02	2.5	<0.1	<0.05	2	1.0	<0.2

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Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341759	Rock	1.16	0.042	0.5	43.5	34.3	279	0.7	6.7	8.2	189	3.39	9.3	35.2	2.8	10	0.4	0.2	0.2	14	0.02
1341760	Rock	1.01	0.026	0.4	17.9	18.4	110	0.4	10.8	14.5	656	3.28	4.2	25.9	3.5	8	1.1	0.1	0.2	16	0.11
1341761	Rock	1.07	0.009	0.5	17.0	20.8	130	0.3	10.9	14.4	892	2.94	1.9	5.9	3.6	6	2.4	<0.1	0.2	17	0.13
1341762	Rock	0.79	0.011	0.3	15.8	10.5	111	0.3	9.9	11.4	454	2.60	2.1	6.9	3.3	4	0.8	0.1	0.1	12	0.07
1341763	Rock	0.97	0.080	0.4	12.7	8.5	82	0.5	9.6	13.1	885	3.34	5.7	48.3	3.7	10	0.9	<0.1	0.3	7	0.45
1341764	Rock	1.10	0.033	1.2	17.1	7.9	271	0.3	11.8	16.5	1618	3.16	5.2	20.4	4.4	8	5.2	0.2	0.3	13	0.09
1266784	Rock Pulp	0.05	<0.005	2.2	21.7	2.3	39	0.2	21.2	9.6	359	2.21	4.3	1.1	0.8	38	0.2	0.2	<0.1	53	0.74
1266785	Rock Pulp	0.06	0.798	3.8	28.6	5.1	44	0.4	22.1	8.3	363	2.31	6.4	520.8	0.8	36	0.2	0.7	0.1	52	0.74
1341786	Rock	0.97	0.020	1.2	15.7	4.2	49	0.5	1.3	6.4	541	4.03	26.4	76.8	3.8	26	0.1	0.3	0.5	18	0.19
1341787	Rock	0.77	0.015	0.9	30.0	3.3	53	0.3	1.3	9.3	924	3.80	16.1	15.9	4.3	11	0.3	0.1	0.2	19	0.23
1341788	Rock	1.03	0.023	1.2	23.0	3.6	71	0.3	1.6	10.0	684	4.08	19.5	14.5	4.3	19	0.3	0.2	0.2	25	0.57
1341789	Rock	0.83	0.366	0.7	35.8	3.9	65	0.3	1.2	10.6	746	3.85	49.2	55.1	4.1	13	0.2	0.2	0.2	21	0.29
1341790	Rock	0.91	0.054	0.3	12.3	3.4	41	0.2	1.7	9.9	648	3.93	17.0	48.7	4.4	11	0.2	0.3	0.2	25	0.26
1341791	Rock	0.80	0.050	0.8	26.2	12.1	194	0.7	1.4	10.3	566	3.98	48.5	34.9	4.7	15	0.9	0.6	0.3	26	0.30
1341792	Rock	0.42	0.017	0.5	15.5	6.0	95	0.4	1.2	9.0	646	3.75	17.5	8.9	5.3	17	0.5	0.3	0.3	23	0.52
1341793	Rock	1.11	0.021	0.9	12.9	7.5	89	0.3	1.9	7.7	766	2.94	41.5	18.7	3.8	12	0.5	0.3	0.4	16	0.20
1341794	Rock	0.90	0.025	0.5	12.5	3.5	57	0.2	1.5	7.4	473	3.05	32.1	18.7	3.0	11	0.3	0.2	0.3	17	0.22
1341795	Rock	0.70	0.010	0.9	9.0	3.7	56	0.2	4.1	9.3	627	3.53	39.5	6.9	4.5	14	0.3	0.1	0.4	18	0.27
1341796	Rock	0.89	0.009	0.7	22.2	4.2	64	0.2	143.5	26.6	1062	4.91	22.2	5.0	2.7	9	0.2	0.1	0.4	78	0.24
1341797	Rock	0.96	0.010	0.7	11.2	3.1	43	0.2	4.9	8.0	520	3.11	12.6	5.9	4.4	11	0.2	0.1	0.2	14	0.23
1341798	Rock	0.82	0.382	1.0	11.8	3.6	55	0.3	6.0	10.4	815	4.19	18.4	244.9	4.3	18	0.1	0.2	0.4	22	0.33
1341799	Rock	0.71	0.095	0.8	17.7	3.7	50	0.2	7.0	9.6	739	3.52	28.9	33.0	4.9	16	0.2	0.2	0.4	16	0.31
1341800	Rock	0.90	0.025	0.8	28.1	4.7	55	0.2	2.7	10.1	686	3.75	32.5	16.0	4.3	12	0.2	0.4	0.4	23	0.23
1341801	Rock	0.72	0.027	0.8	37.9	4.7	58	0.3	0.9	11.2	742	4.27	37.7	22.5	5.2	21	0.2	0.3	0.3	24	0.36
1341802	Rock	0.73	0.033	0.6	18.6	3.6	73	0.2	1.1	10.9	590	4.16	27.7	103.1	5.2	13	0.2	0.3	0.3	24	0.30
1341803	Rock	0.72	0.014	0.6	19.5	4.5	69	0.2	1.4	9.0	647	3.59	26.3	15.9	4.4	18	0.2	0.2	0.3	23	0.30
1341804	Rock	0.81	0.013	0.7	27.2	3.3	54	0.2	1.3	11.3	635	3.98	20.0	11.5	4.5	15	0.2	0.2	0.2	29	0.27
1341805	Rock	0.93	0.011	0.9	24.2	5.0	60	0.2	1.2	9.4	729	4.34	39.6	8.9	5.2	13	0.3	0.4	0.3	23	0.30
1341806	Rock	0.90	0.008	0.7	20.6	3.8	43	0.1	3.9	6.0	530	2.18	21.7	4.2	5.7	7	0.1	0.2	0.2	9	0.12
1341807	Rock	0.19	0.008	0.6	15.5	5.5	54	<0.1	5.5	8.0	566	2.99	21.9	3.3	2.3	5	0.2	0.2	0.1	19	0.12

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341759	Rock	0.043	4	7	0.81	779	0.002	<20	1.03	0.016	0.11	<0.1	0.02	2.9	<0.1	0.13	3	1.9	<0.2
1341760	Rock	0.045	6	9	0.98	346	0.002	<20	1.28	0.026	0.13	<0.1	<0.01	3.7	<0.1	0.45	3	<0.5	<0.2
1341761	Rock	0.038	7	8	1.08	235	0.002	<20	1.33	0.015	0.11	<0.1	0.01	3.6	<0.1	0.23	3	<0.5	<0.2
1341762	Rock	0.051	6	10	0.97	214	0.003	<20	1.24	0.013	0.11	<0.1	<0.01	3.4	<0.1	<0.05	3	0.8	<0.2
1341763	Rock	0.054	5	5	0.25	144	0.001	<20	0.55	0.020	0.15	<0.1	<0.01	3.0	<0.1	0.46	1	<0.5	<0.2
1341764	Rock	0.060	10	5	0.56	148	0.001	<20	1.03	0.024	0.13	<0.1	<0.01	3.9	<0.1	<0.05	3	<0.5	0.3
1266784	Rock Pulp	0.055	4	27	0.73	91	0.106	<20	1.45	0.065	0.12	12.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
1266785	Rock Pulp	0.050	4	28	0.69	88	0.104	<20	1.41	0.073	0.12	9.9	0.05	3.8	<0.1	<0.05	5	<0.5	<0.2
1341786	Rock	0.095	9	3	1.15	71	0.003	<20	1.70	0.023	0.11	<0.1	0.01	2.9	<0.1	0.06	5	0.8	0.2
1341787	Rock	0.093	15	3	0.91	108	0.003	<20	1.74	0.027	0.13	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1341788	Rock	0.089	13	2	0.86	78	0.003	<20	1.95	0.027	0.11	<0.1	<0.01	4.4	<0.1	0.08	6	<0.5	<0.2
1341789	Rock	0.095	13	3	0.76	134	0.003	<20	1.65	0.024	0.14	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
1341790	Rock	0.095	14	3	0.91	169	0.004	<20	1.86	0.031	0.14	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1341791	Rock	0.092	13	2	0.86	114	0.003	<20	1.93	0.020	0.12	<0.1	0.02	4.5	<0.1	<0.05	6	0.5	<0.2
1341792	Rock	0.084	16	2	1.07	95	0.004	<20	1.88	0.022	0.12	<0.1	<0.01	4.1	<0.1	0.07	5	<0.5	<0.2
1341793	Rock	0.062	13	3	0.45	106	0.001	<20	1.28	0.015	0.10	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1341794	Rock	0.070	12	2	0.61	93	0.003	<20	1.42	0.017	0.10	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1341795	Rock	0.080	16	5	0.58	134	0.002	<20	1.56	0.014	0.12	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
1341796	Rock	0.068	11	404	3.44	75	0.006	<20	3.59	0.011	0.07	<0.1	<0.01	10.9	<0.1	<0.05	10	<0.5	<0.2
1341797	Rock	0.068	14	10	0.55	114	0.002	<20	1.45	0.019	0.11	<0.1	<0.01	3.0	<0.1	<0.05	4	0.9	<0.2
1341798	Rock	0.085	12	9	0.62	151	0.001	<20	1.94	0.015	0.12	<0.1	<0.01	3.5	<0.1	<0.05	6	1.0	<0.2
1341799	Rock	0.080	13	14	0.58	129	0.001	<20	1.67	0.015	0.10	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1341800	Rock	0.069	15	1	0.83	123	0.003	<20	1.73	0.023	0.13	<0.1	<0.01	3.6	<0.1	<0.05	5	0.6	<0.2
1341801	Rock	0.086	18	3	0.70	168	0.002	<20	1.94	0.016	0.13	<0.1	<0.01	4.1	<0.1	<0.05	6	0.6	<0.2
1341802	Rock	0.103	11	2	1.01	135	0.005	<20	1.97	0.019	0.16	<0.1	<0.01	3.7	<0.1	<0.05	6	0.8	0.2
1341803	Rock	0.084	15	2	0.70	140	0.002	<20	1.76	0.016	0.12	<0.1	<0.01	3.4	<0.1	<0.05	5	0.6	<0.2
1341804	Rock	0.079	16	2	0.87	129	0.003	<20	1.89	0.018	0.11	<0.1	<0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
1341805	Rock	0.105	15	2	1.06	155	0.004	<20	2.01	0.018	0.12	<0.1	<0.01	3.8	<0.1	<0.05	6	0.9	<0.2
1341806	Rock	0.041	17	4	0.48	149	0.003	<20	1.05	0.022	0.13	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1341807	Rock	0.049	7	7	0.90	116	0.003	<20	1.36	0.021	0.09	<0.1	<0.01	3.0	<0.1	<0.05	4	0.7	<0.2

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Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341808	Rock	0.40	0.017	1.0	17.8	5.7	68	<0.1	7.2	12.9	873	3.08	28.2	5.1	2.1	5	0.2	0.2	0.2	23	0.11
1341809	Rock	0.90	0.014	1.3	23.9	7.5	67	0.2	7.8	12.1	700	3.63	49.7	5.5	3.0	10	0.4	0.3	0.2	27	0.21
1341810	Rock	0.73	0.024	1.7	35.7	5.0	72	0.2	5.8	13.8	1010	3.78	54.2	6.9	4.0	15	0.4	0.4	0.3	21	0.35
1341811	Rock	0.91	0.010	1.1	38.2	4.0	105	0.2	4.0	11.8	821	4.35	57.0	6.2	4.0	15	0.5	0.3	0.3	24	0.40
1266786	Rock Pulp	0.05	<0.005	2.3	23.9	2.3	41	0.5	20.2	9.5	382	2.32	4.1	<0.5	0.9	39	0.2	0.2	<0.1	53	0.77
1266787	Rock Pulp	0.05	0.844	3.9	30.8	5.0	50	0.3	22.1	8.2	369	2.36	5.7	454.2	0.9	38	0.2	0.8	<0.1	52	0.76
1341812	Rock	0.98	0.011	0.3	8.1	4.2	40	0.2	0.8	7.0	602	3.20	10.7	8.6	5.6	13	<0.1	0.1	0.3	11	0.20
1341813	Rock	1.06	0.032	0.4	21.3	5.2	51	0.3	0.7	7.4	644	3.19	15.8	30.6	5.2	19	0.3	0.2	0.4	11	0.25
1341814	Rock	0.91	0.046	0.7	13.7	4.7	61	0.3	0.7	6.2	331	2.66	25.8	48.6	4.8	7	0.2	0.2	0.4	6	0.12
1341815	Rock	0.73	0.018	0.2	22.7	6.3	44	0.2	0.7	6.5	548	2.62	16.3	18.1	5.7	10	0.1	0.2	0.4	5	0.14
1341816	Rock	0.97	0.016	0.5	13.5	5.6	53	0.3	4.2	8.9	739	3.25	12.6	13.0	4.8	7	0.3	0.2	0.2	25	0.18
1341817	Rock	0.96	0.066	<0.1	13.6	4.2	45	0.2	4.4	11.3	591	3.63	12.3	64.6	4.7	7	<0.1	0.2	0.2	31	0.17
1341818	Rock	0.77	0.037	0.2	20.6	5.4	51	0.3	7.1	13.6	692	4.04	11.2	26.7	4.0	9	0.1	0.2	0.3	47	0.22
1341819	Rock	1.14	0.049	0.1	38.1	4.6	72	0.4	5.2	15.4	725	4.25	9.4	46.1	5.0	11	0.2	0.2	0.3	45	0.21
1341820	Rock	0.95	0.067	0.2	18.8	6.5	62	0.3	5.2	9.2	591	3.29	7.3	38.0	4.8	9	<0.1	0.2	0.3	31	0.18
1341821	Rock	1.10	0.049	0.3	19.0	4.4	64	0.3	5.8	9.4	643	3.54	11.8	47.4	5.5	9	0.2	0.1	0.3	23	0.19
1341822	Rock	0.74	0.382	0.2	21.0	6.1	55	0.7	5.7	10.8	598	3.88	7.4	87.1	4.5	8	0.2	0.2	0.3	39	0.16
1341823	Rock	0.78	0.045	0.4	13.1	5.4	58	0.3	6.1	8.9	594	3.50	11.4	17.4	4.7	7	0.3	0.2	0.3	25	0.16
1341824	Rock	0.43	0.027	0.4	13.1	3.7	63	0.2	5.4	6.5	536	2.90	8.9	102.1	4.1	5	0.2	0.1	0.2	14	0.12
1341825	Rock	0.49	0.034	0.7	18.3	3.9	70	0.3	6.7	7.6	510	3.32	9.9	93.9	5.7	7	0.2	0.2	0.2	18	0.13
1341826	Rock	0.73	0.030	0.1	6.5	4.1	44	0.3	4.8	7.7	849	3.53	9.6	36.1	4.7	5	<0.1	0.1	0.3	33	0.18
1341827	Rock	1.24	0.098	0.3	12.2	9.6	51	0.5	5.1	9.8	968	3.88	14.8	503.0	4.3	6	0.1	0.1	0.4	32	0.15
1341828	Rock	0.88	0.050	0.3	24.2	5.3	51	0.3	7.5	13.8	1029	4.56	10.7	40.1	3.3	14	0.2	0.2	0.2	59	0.29
1341829	Rock	0.81	0.042	0.3	17.5	5.1	55	0.2	9.9	14.1	727	4.51	12.6	47.8	3.2	13	0.1	0.2	0.3	61	0.20
1341830	Rock	0.73	0.017	0.2	29.7	6.2	91	0.2	0.9	4.9	432	2.22	13.2	18.7	6.0	12	0.9	0.2	0.3	7	0.15
1341831	Rock	1.02	0.022	0.4	63.0	9.1	126	0.4	1.3	5.0	329	2.03	21.0	19.9	5.0	10	0.9	0.4	0.4	7	0.12
1341832	Rock	0.56	0.109	0.4	24.9	7.7	76	0.3	1.6	6.3	575	2.44	20.5	168.4	5.2	11	0.8	0.3	0.4	9	0.14
1341833	Rock	0.73	0.028	0.5	15.2	6.6	49	0.3	1.0	6.3	467	2.54	21.0	29.0	5.8	14	0.5	0.3	0.4	6	0.17
1341834	Rock	0.64	0.018	0.3	13.0	6.3	33	0.3	1.8	6.1	383	2.25	21.1	16.2	6.8	12	0.2	0.3	0.4	5	0.16
1341835	Rock	0.87	0.021	0.3	18.1	3.7	26	0.3	1.1	4.6	325	1.82	11.3	15.0	5.2	10	0.3	0.2	0.3	4	0.16

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Project: KSD
Report Date: August 28, 2013

CERTIFICATE OF ANALYSIS WHI13000294.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341808	Rock	0.050	7	7	1.05	112	0.004	<20	1.51	0.013	0.08	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1341809	Rock	0.064	9	9	0.82	168	0.006	<20	1.49	0.012	0.09	<0.1	<0.01	3.4	<0.1	<0.05	4	0.5	<0.2
1341810	Rock	0.099	13	4	0.70	267	0.002	<20	1.78	0.011	0.14	<0.1	0.03	3.5	0.1	<0.05	5	0.8	<0.2
1341811	Rock	0.109	12	3	1.06	192	0.004	<20	2.10	0.010	0.12	<0.1	0.02	4.0	<0.1	<0.05	6	0.7	<0.2
1266786	Rock Pulp	0.058	4	28	0.76	93	0.108	<20	1.49	0.073	0.12	12.8	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
1266787	Rock Pulp	0.050	4	30	0.70	87	0.108	<20	1.46	0.076	0.12	10.2	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
1341812	Rock	0.082	19	2	0.72	162	0.003	<20	1.52	0.023	0.17	<0.1	<0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
1341813	Rock	0.080	14	2	0.40	160	0.002	<20	1.35	0.022	0.13	<0.1	<0.01	4.8	<0.1	<0.05	4	<0.5	<0.2
1341814	Rock	0.052	10	2	0.50	179	0.003	<20	1.07	0.029	0.16	<0.1	<0.01	2.6	<0.1	<0.05	3	0.7	<0.2
1341815	Rock	0.050	19	2	0.37	146	0.002	<20	1.01	0.019	0.14	<0.1	<0.01	3.2	<0.1	<0.05	3	1.1	<0.2
1341816	Rock	0.075	16	4	1.02	122	0.004	<20	1.56	0.045	0.14	<0.1	<0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
1341817	Rock	0.065	15	3	1.05	119	0.004	<20	1.81	0.025	0.13	<0.1	<0.01	5.5	<0.1	<0.05	6	<0.5	<0.2
1341818	Rock	0.079	14	4	1.25	104	0.012	<20	1.97	0.031	0.11	<0.1	0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
1341819	Rock	0.088	23	4	1.21	80	0.004	<20	2.01	0.018	0.12	<0.1	0.01	7.6	<0.1	<0.05	6	1.3	<0.2
1341820	Rock	0.074	18	4	1.08	89	0.003	<20	1.74	0.024	0.12	<0.1	<0.01	6.3	<0.1	<0.05	5	0.7	<0.2
1341821	Rock	0.079	18	6	1.02	106	0.003	<20	1.60	0.023	0.13	<0.1	<0.01	4.9	<0.1	<0.05	5	0.8	<0.2
1341822	Rock	0.068	17	4	0.97	81	0.003	<20	1.72	0.023	0.10	<0.1	<0.01	8.4	<0.1	<0.05	6	0.9	0.4
1341823	Rock	0.063	17	5	0.96	134	0.005	<20	1.60	0.028	0.13	<0.1	0.01	4.7	<0.1	<0.05	5	0.6	<0.2
1341824	Rock	0.049	15	8	0.73	97	0.003	<20	1.29	0.015	0.11	<0.1	<0.01	3.6	<0.1	<0.05	3	<0.5	<0.2
1341825	Rock	0.056	22	10	0.97	123	0.006	<20	1.66	0.020	0.12	<0.1	<0.01	3.9	<0.1	<0.05	5	<0.5	0.4
1341826	Rock	0.051	13	3	1.44	96	0.004	<20	1.95	0.031	0.11	<0.1	0.01	4.7	<0.1	0.11	5	<0.5	<0.2
1341827	Rock	0.062	13	5	1.20	152	0.004	<20	1.82	0.026	0.14	<0.1	0.02	4.9	<0.1	0.05	5	<0.5	<0.2
1341828	Rock	0.074	12	12	1.21	113	0.001	<20	2.05	0.023	0.09	<0.1	<0.01	10.9	<0.1	<0.05	6	<0.5	<0.2
1341829	Rock	0.064	12	13	1.23	105	0.004	<20	2.08	0.023	0.11	<0.1	<0.01	9.7	<0.1	<0.05	6	<0.5	0.3
1341830	Rock	0.048	19	3	0.23	140	0.001	<20	0.97	0.027	0.17	<0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1341831	Rock	0.048	15	3	0.23	120	0.001	<20	0.80	0.026	0.17	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
1341832	Rock	0.052	18	3	0.26	123	0.001	<20	0.89	0.021	0.14	<0.1	<0.01	2.7	<0.1	<0.05	2	<0.5	0.2
1341833	Rock	0.053	20	3	0.25	128	0.001	<20	0.97	0.034	0.16	<0.1	<0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
1341834	Rock	0.060	22	3	0.24	125	0.002	<20	0.80	0.023	0.17	<0.1	<0.01	1.9	<0.1	<0.05	2	0.9	<0.2
1341835	Rock	0.051	13	3	0.18	123	0.001	<20	0.74	0.031	0.16	<0.1	<0.01	2.0	<0.1	<0.05	2	0.8	<0.2

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	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341836	Rock	0.83	0.018	0.3	12.9	4.1	35	0.3	2.2	5.0	401	2.23	15.5	17.0	4.7	13	0.4	0.2	0.3	7	0.20
1341837	Rock	0.97	0.070	0.3	31.8	4.4	105	0.4	4.6	5.8	468	2.92	28.4	16.5	4.4	11	0.9	0.7	0.2	11	0.18
115901	Rock	1.01	0.043	0.3	6.9	5.2	14	0.3	1.6	0.4	117	0.46	2.1	2.4	<0.1	<1	<0.1	0.2	0.3	<2	0.02
115902	Rock	0.79	0.006	0.7	13.9	44.0	129	0.4	31.1	36.8	2498	2.05	13.9	1.1	3.0	7	4.6	0.2	<0.1	14	0.11
115903	Rock	1.01	0.019	0.7	91.5	78.1	639	1.9	8.5	13.7	827	5.49	9.2	10.6	3.0	2	0.8	0.4	0.2	80	0.05
115904	Rock	0.99	0.017	1.4	24.6	5.8	180	0.3	22.7	9.2	315	2.66	6.4	8.9	5.0	5	0.9	0.4	<0.1	25	0.13
115905	Rock	0.78	0.014	1.1	32.6	15.4	194	1.1	18.3	12.0	579	2.87	5.8	7.4	5.3	5	1.7	0.3	<0.1	19	0.13
115906	Rock	0.80	0.009	0.3	17.0	6.0	90	0.2	1.6	5.7	501	1.98	13.3	3.4	4.2	12	0.9	0.2	0.3	8	0.46

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341836	Rock	0.069	17	4	0.24	114	0.001	<20	0.89	0.026	0.16	<0.1	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
1341837	Rock	0.064	15	8	0.60	97	0.002	<20	1.34	0.022	0.15	<0.1	<0.01	3.3	<0.1	<0.05	3	<0.5	<0.2
115901	Rock	0.009	<1	13	0.01	19	<0.001	<20	0.04	0.001	0.01	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
115902	Rock	0.056	8	13	0.91	123	0.002	<20	1.19	0.016	0.12	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
115903	Rock	0.051	6	14	2.55	138	0.004	<20	2.73	0.008	0.06	<0.1	0.07	8.7	<0.1	<0.05	7	0.9	0.2
115904	Rock	0.071	14	34	1.84	203	0.002	<20	2.00	0.007	0.12	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
115905	Rock	0.077	14	22	1.33	232	0.002	<20	1.72	0.010	0.14	<0.1	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
115906	Rock	0.056	12	4	0.53	91	0.002	<20	0.85	0.054	0.10	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2

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Report Date: August 28, 2013

QUALITY CONTROL REPORT WHI13000294.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1341844	Rock	0.95	0.022	0.2	20.2	4.0	46	0.3	42.5	20.3	728	4.42	6.8	20.5	7.5	21	0.1	0.1	0.4	65	0.59
REP 1341844	QC		0.019																		
1341854	Rock	1.03	0.009	0.2	34.3	6.5	77	0.3	48.6	19.0	1030	4.07	4.9	10.3	10.0	76	0.8	0.1	0.4	62	3.27
REP 1341854	QC		0.010																		
1341768	Rock	0.85	0.062	0.4	61.8	10.4	96	0.5	7.8	13.4	1442	4.15	12.0	82.0	2.2	10	0.6	0.3	0.1	21	0.24
REP 1341768	QC			0.4	56.6	9.7	87	0.4	7.1	12.0	1330	3.84	11.2	80.7	2.1	10	0.4	0.3	<0.1	20	0.23
1265980	Rock	1.21	0.027	0.4	28.6	7.3	94	0.2	20.3	19.0	1126	3.75	6.9	12.2	1.9	25	<0.1	0.2	0.4	28	2.02
REP 1265980	QC			0.3	28.5	7.3	91	0.3	19.7	19.0	1125	3.83	6.8	132.4	2.0	25	<0.1	0.1	0.5	27	2.04
1266000	Rock	0.85	0.009	0.5	6.1	19.0	96	0.2	5.7	8.4	590	3.25	5.3	6.4	3.5	4	0.4	<0.1	0.2	13	0.03
REP 1266000	QC		0.013																		
1341760	Rock	1.01	0.026	0.4	17.9	18.4	110	0.4	10.8	14.5	656	3.28	4.2	25.9	3.5	8	1.1	0.1	0.2	16	0.11
REP 1341760	QC		0.029																		
1266784	Rock Pulp	0.05	<0.005	2.2	21.7	2.3	39	0.2	21.2	9.6	359	2.21	4.3	1.1	0.8	38	0.2	0.2	<0.1	53	0.74
REP 1266784	QC			2.1	22.2	2.3	40	0.2	21.6	9.3	377	2.26	4.5	<0.5	0.9	37	0.2	0.3	<0.1	53	0.74
1341817	Rock	0.96	0.066	<0.1	13.6	4.2	45	0.2	4.4	11.3	591	3.63	12.3	64.6	4.7	7	<0.1	0.2	0.2	31	0.17
REP 1341817	QC			0.1	13.6	4.2	46	0.3	4.5	11.2	611	3.75	12.2	61.3	4.8	7	<0.1	0.2	0.3	32	0.17
115902	Rock	0.79	0.006	0.7	13.9	44.0	129	0.4	31.1	36.8	2498	2.05	13.9	1.1	3.0	7	4.6	0.2	<0.1	14	0.11
REP 115902	QC			0.7	12.9	43.4	126	0.4	29.3	35.4	2503	2.04	13.3	<0.5	3.0	6	4.7	0.2	<0.1	14	0.10
115905	Rock	0.78	0.014	1.1	32.6	15.4	194	1.1	18.3	12.0	579	2.87	5.8	7.4	5.3	5	1.7	0.3	<0.1	19	0.13
REP 115905	QC		0.014																		
115906	Rock	0.80	0.009	0.3	17.0	6.0	90	0.2	1.6	5.7	501	1.98	13.3	3.4	4.2	12	0.9	0.2	0.3	8	0.46
REP 115906	QC		0.008																		
Core Reject Duplicates																					
1341773	Rock	1.03	0.022	0.4	39.9	6.0	259	0.3	3.8	11.1	738	3.91	24.4	23.1	3.4	5	0.5	0.2	0.3	25	0.11
DUP 1341773	QC		0.022	0.3	37.9	6.0	255	0.3	3.5	10.5	708	3.70	22.7	19.8	3.3	5	0.4	0.2	0.3	24	0.11
1265984	Rock	1.21	0.013	0.5	31.4	4.9	71	0.2	9.7	17.1	804	3.96	9.6	5.0	3.2	7	0.1	0.2	0.2	31	0.44
DUP 1265984	QC		0.023	0.6	27.9	4.6	72	0.2	9.2	17.0	805	4.00	9.2	6.4	2.9	7	0.1	0.2	0.2	32	0.45
1341787	Rock	0.77	0.015	0.9	30.0	3.3	53	0.3	1.3	9.3	924	3.80	16.1	15.9	4.3	11	0.3	0.1	0.2	19	0.23

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
1341844	Rock	0.127	72	63	2.10	131	0.005	<20	2.49	0.043	0.09	<0.1	<0.01	11.4	<0.1	<0.05	6	0.5	<0.2
REP 1341844	QC																		
1341854	Rock	0.175	121	91	2.86	128	0.005	<20	3.04	0.031	0.12	<0.1	<0.01	11.9	<0.1	<0.05	8	0.8	<0.2
REP 1341854	QC																		
1341768	Rock	0.101	4	6	0.64	81	0.002	<20	1.16	0.047	0.12	<0.1	0.02	7.1	<0.1	0.16	3	0.7	<0.2
REP 1341768	QC	0.093	4	5	0.59	72	0.002	<20	1.07	0.045	0.11	<0.1	0.01	6.6	<0.1	0.15	3	<0.5	<0.2
1265980	Rock	0.060	2	24	1.70	121	0.002	<20	2.01	0.014	0.12	<0.1	<0.01	4.6	<0.1	0.62	4	<0.5	<0.2
REP 1265980	QC	0.060	2	23	1.71	121	0.003	<20	2.01	0.015	0.11	<0.1	0.01	4.6	<0.1	0.65	4	<0.5	<0.2
1266000	Rock	0.038	7	6	0.76	157	0.002	<20	1.06	0.024	0.14	<0.1	<0.01	2.8	<0.1	0.06	3	0.8	<0.2
REP 1266000	QC																		
1341760	Rock	0.045	6	9	0.98	346	0.002	<20	1.28	0.026	0.13	<0.1	<0.01	3.7	<0.1	0.45	3	<0.5	<0.2
REP 1341760	QC																		
1266784	Rock Pulp	0.055	4	27	0.73	91	0.106	<20	1.45	0.065	0.12	12.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
REP 1266784	QC	0.056	4	28	0.75	92	0.104	<20	1.50	0.071	0.12	11.9	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
1341817	Rock	0.065	15	3	1.05	119	0.004	<20	1.81	0.025	0.13	<0.1	<0.01	5.5	<0.1	<0.05	6	<0.5	<0.2
REP 1341817	QC	0.065	16	3	1.09	124	0.005	<20	1.85	0.023	0.13	<0.1	<0.01	5.6	<0.1	<0.05	5	0.7	<0.2
115902	Rock	0.056	8	13	0.91	123	0.002	<20	1.19	0.016	0.12	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 115902	QC	0.055	7	13	0.91	122	0.002	<20	1.19	0.017	0.12	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
115905	Rock	0.077	14	22	1.33	232	0.002	<20	1.72	0.010	0.14	<0.1	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 115905	QC																		
115906	Rock	0.056	12	4	0.53	91	0.002	<20	0.85	0.054	0.10	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
REP 115906	QC																		
Core Reject Duplicates																			
1341773	Rock	0.057	8	5	1.48	175	0.002	<20	2.00	0.033	0.17	<0.1	0.02	5.2	<0.1	0.09	5	0.7	<0.2
DUP 1341773	QC	0.054	8	4	1.41	156	0.002	<20	1.94	0.027	0.14	<0.1	0.02	5.5	<0.1	0.09	5	0.9	<0.2
1265984	Rock	0.060	10	10	1.66	102	0.002	<20	2.07	0.016	0.10	<0.1	0.01	5.1	<0.1	0.12	4	<0.5	<0.2
DUP 1265984	QC	0.061	10	11	1.69	112	0.003	<20	2.13	0.020	0.12	<0.1	0.02	4.8	<0.1	0.11	5	<0.5	<0.2
1341787	Rock	0.093	15	3	0.91	108	0.003	<20	1.74	0.027	0.13	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2

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		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
DUP 1341787	QC		0.014	0.9	28.7	3.3	53	0.3	1.8	8.9	884	3.69	16.4	7.5	4.2	10	0.2	0.2	0.2	19	0.22
1341821	Rock	1.10	0.049	0.3	19.0	4.4	64	0.3	5.8	9.4	643	3.54	11.8	47.4	5.5	9	0.2	0.1	0.3	23	0.19
DUP 1341821	QC		0.055	0.3	17.7	4.2	61	0.2	5.6	7.8	589	3.21	8.5	43.2	5.3	8	0.2	0.1	0.2	22	0.19
Reference Materials																					
STD DS9	Standard			10.0	99.5	125.5	292	2.0	35.8	6.9	538	2.21	24.2	91.7	5.8	64	2.2	5.0	7.0	38	0.66
STD DS9	Standard			12.0	103.3	126.7	305	1.8	36.8	7.0	559	2.28	25.6	105.8	6.0	70	2.0	4.9	7.1	37	0.70
STD DS9	Standard			12.4	101.1	121.5	301	1.7	36.7	6.9	536	2.16	24.1	127.3	6.0	68	2.5	5.3	6.6	35	0.66
STD DS9	Standard			12.8	107.9	123.6	317	1.9	39.4	7.1	588	2.36	26.2	132.9	6.1	78	2.9	5.8	7.3	41	0.72
STD DS9	Standard			12.2	103.4	127.3	308	1.7	38.4	7.7	568	2.29	25.7	100.6	6.4	72	2.1	5.0	7.5	37	0.70
STD OREAS45EA	Standard			1.4	585.9	13.7	26	0.3	334.6	45.3	347	22.07	8.9	53.7	9.4	4	<0.1	0.4	0.3	272	0.04
STD OREAS45EA	Standard			1.7	706.4	14.4	32	0.3	381.0	53.4	409	22.71	10.9	55.4	10.9	4	<0.1	0.4	0.3	304	0.04
STD OREAS45EA	Standard			1.4	628.8	13.5	30	0.3	342.3	45.8	378	20.96	9.5	52.4	9.8	3	<0.1	0.4	0.3	275	0.03
STD OREAS45EA	Standard			1.4	612.4	13.6	27	0.3	341.1	46.8	348	22.12	9.2	57.6	10.1	4	<0.1	0.3	0.3	273	0.03
STD OREAS45EA	Standard			1.3	658.5	14.8	29	0.2	367.1	50.5	395	21.76	9.4	51.5	10.5	4	<0.1	0.3	0.3	283	0.04
STD OXC109	Standard		0.185																		
STD OXC109	Standard		0.195																		
STD OXC109	Standard		0.196																		
STD OXI96	Standard		1.764																		
STD OXI96	Standard		1.770																		
STD OXI96	Standard		1.820																		
STD OXL93	Standard		5.506																		
STD OXL93	Standard		5.690																		
STD OXL93	Standard		5.468																		
STD OXC109 Expected			0.201																		
STD OXI96 Expected			1.802																		
STD OXL93 Expected			5.841																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032
BLK	Blank		<0.005																		

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		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
DUP 1341787	QC	0.087	15	3	0.90	93	0.003	<20	1.71	0.021	0.12	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
1341821	Rock	0.079	18	6	1.02	106	0.003	<20	1.60	0.023	0.13	<0.1	<0.01	4.9	<0.1	<0.05	5	0.8	<0.2
DUP 1341821	QC	0.072	17	5	0.97	102	0.003	<20	1.56	0.023	0.13	<0.1	<0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																			
STD DS9	Standard	0.072	10	104	0.58	282	0.089	<20	0.86	0.074	0.38	2.4	0.23	2.0	4.9	0.16	4	4.6	5.2
STD DS9	Standard	0.080	12	112	0.61	312	0.105	<20	0.94	0.078	0.40	2.9	0.19	2.3	5.1	0.16	4	5.1	4.6
STD DS9	Standard	0.075	11	112	0.58	282	0.097	<20	0.88	0.075	0.37	2.6	0.19	2.2	4.9	0.15	4	5.7	4.5
STD DS9	Standard	0.087	13	107	0.62	335	0.103	<20	0.96	0.084	0.40	2.7	0.21	2.6	5.0	0.17	4	5.2	5.4
STD DS9	Standard	0.077	12	118	0.62	312	0.106	<20	0.94	0.081	0.40	2.3	0.22	2.5	5.2	0.16	5	5.9	5.6
STD OREAS45EA	Standard	0.027	6	729	0.08	128	0.079	<20	2.71	0.015	0.05	<0.1	0.01	65.5	<0.1	<0.05	10	<0.5	<0.2
STD OREAS45EA	Standard	0.029	7	825	0.10	145	0.091	<20	3.08	0.017	0.05	<0.1	0.02	80.4	<0.1	<0.05	12	2.1	<0.2
STD OREAS45EA	Standard	0.026	6	761	0.09	137	0.084	<20	2.83	0.016	0.05	<0.1	0.01	69.1	<0.1	<0.05	11	0.9	<0.2
STD OREAS45EA	Standard	0.029	6	740	0.09	132	0.083	<20	2.80	0.017	0.05	<0.1	<0.01	69.8	<0.1	<0.05	11	1.0	<0.2
STD OREAS45EA	Standard	0.028	7	798	0.09	139	0.088	<20	2.92	0.017	0.05	<0.1	<0.01	71.7	<0.1	<0.05	12	<0.5	<0.2
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXC109 Expected																			
STD OXI96 Expected																			
STD OXL93 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11
BLK	Blank																		

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		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-WHI	Prep Blank		<0.005	<0.1	3.6	6.4	44	<0.1	3.4	4.3	560	2.04	0.8	1.7	5.8	68	<0.1	<0.1	<0.1	36	0.56
G1-WHI	Prep Blank		<0.005	0.1	2.9	4.7	47	<0.1	3.3	4.3	577	2.06	0.8	1.3	6.8	76	<0.1	<0.1	0.1	36	0.56

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Pacific Ridge Exploration Ltd.**
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 CANADA

Project: KSD
Report Date: August 28, 2013

QUALITY CONTROL REPORT WHI13000294.1

		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1-WHI	Prep Blank	0.066	12	6	0.54	174	0.126	<20	1.09	0.112	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
G1-WHI	Prep Blank	0.074	14	7	0.54	182	0.138	<20	1.10	0.111	0.52	<0.1	<0.01	2.8	0.3	<0.05	5	0.6	<0.2

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Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 28, 2013
Report Date: September 16, 2013
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI13000375.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSDGP-13-002
P.O. Number
Number of Samples: 83

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	76	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G601	80	Fire Assay Fusion Au - AAS Finish	30	Completed	VAN
1DX1	80	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
CANADA

CC: John Brock

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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

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Project: KSD
Report Date: September 16, 2013

CERTIFICATE OF ANALYSIS WHI13000375.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341859	Rock	0.81	0.013	0.2	101.2	5.0	168	0.9	61.1	33.6	1201	7.25	14.1	12.1	1.0	7	0.5	0.1	0.3	215	0.13
1341860	Rock	0.85	0.010	0.2	96.4	2.7	140	1.0	43.0	31.6	1400	6.57	4.1	8.1	0.8	7	0.2	<0.1	0.1	225	0.16
1341861	Rock	0.77	0.137	0.3	138.4	3.8	117	0.7	34.0	27.3	1489	5.62	4.5	22.0	0.9	10	0.3	<0.1	<0.1	149	0.26
1341862	Rock	0.97	0.039	0.3	131.8	3.6	71	0.6	10.0	21.7	1082	5.07	6.3	46.0	1.3	20	0.3	0.2	0.3	106	0.68
1341863	Rock	0.95	0.010	0.3	33.3	2.0	34	0.3	3.4	7.8	465	2.27	4.0	12.1	5.5	7	0.1	0.1	0.1	24	0.16
1341864	Rock	0.69	0.010	0.1	36.0	1.3	36	0.3	8.1	7.7	500	2.17	3.0	9.6	2.9	10	0.1	0.1	<0.1	18	0.18
1341865	Rock	1.02	0.019	0.1	29.6	2.0	32	0.2	5.4	6.1	379	1.91	2.7	20.6	4.2	11	0.1	<0.1	<0.1	11	0.17
1341866	Rock	0.90	0.030	0.2	39.4	1.8	75	0.3	15.4	18.0	985	4.12	2.2	13.8	0.6	15	0.1	0.1	<0.1	62	0.97
1341867	Rock	1.00	0.034	0.2	67.7	1.6	68	0.4	14.6	17.9	1096	4.42	3.4	15.1	0.9	10	0.2	0.1	<0.1	70	0.25
1341868	Rock	0.48	0.650	0.2	62.4	2.6	55	0.4	12.3	15.5	808	3.69	4.2	91.0	0.8	14	0.2	0.1	<0.1	47	0.53
1341869	Rock	1.06	0.048	0.4	46.2	2.6	61	0.3	28.5	21.0	1105	4.37	2.6	34.8	1.2	7	0.2	0.4	<0.1	74	0.19
1341870	Rock	0.87	0.473	0.3	47.0	2.8	41	0.3	12.9	13.7	699	3.09	6.6	45.1	2.6	8	0.2	0.2	0.1	36	0.19
1341871	Rock	0.65	0.025	0.2	26.8	1.5	59	0.1	18.3	16.9	869	3.85	0.9	18.7	1.6	18	<0.1	0.1	<0.1	51	0.58
1341872	Rock	1.01	0.117	0.4	16.9	2.1	61	<0.1	23.9	19.4	1386	4.09	1.8	6.8	1.1	9	0.2	0.1	<0.1	59	0.23
1341873	Rock	0.49	0.048	0.3	23.8	2.9	63	0.2	18.1	17.1	563	4.03	5.4	111.2	0.8	10	0.1	0.1	0.2	55	0.28
1341874	Rock	0.21	0.057	0.3	25.9	4.0	55	0.2	15.1	11.9	406	3.10	8.5	34.0	1.3	7	0.1	0.2	0.2	51	0.16
1266790	Rock Pulp	0.05	0.792	4.3	35.2	5.1	50	0.2	24.5	9.1	394	2.51	6.4	589.3	0.9	36	0.2	0.7	<0.1	57	0.78
1266791	Rock Pulp	0.05	0.006	2.7	25.9	2.3	44	0.2	24.1	10.4	392	2.39	5.0	<0.5	0.9	37	0.2	0.2	<0.1	56	0.77
1341896	Rock	0.64	0.010	0.5	32.3	8.9	80	0.3	35.7	16.0	485	3.91	13.8	14.5	2.4	6	0.1	0.2	0.5	66	0.15
1341897	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1341898	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1341899	Rock	0.23	0.017	0.5	44.8	8.2	91	0.4	25.6	18.0	647	4.36	9.3	8.9	1.0	8	0.4	0.1	0.6	77	0.21
1341900	Rock	0.55	<0.005	0.3	42.6	3.3	66	0.2	23.5	16.8	792	4.20	6.3	4.4	1.0	8	0.2	0.1	0.2	87	0.25
1341901	Rock	1.10	0.007	0.4	90.9	3.8	72	0.4	25.1	24.8	1162	5.20	10.1	7.0	0.8	10	0.2	0.2	0.3	123	0.36
1341902	Rock	0.97	<0.005	0.2	117.0	3.2	71	0.3	19.4	23.9	1170	5.27	3.1	<0.5	0.5	16	0.2	0.5	<0.1	157	0.30
1341903	Rock	0.84	<0.005	<0.1	87.7	3.5	66	0.3	20.8	23.6	1051	5.40	2.7	3.6	0.5	17	<0.1	0.9	0.1	197	0.47
1341904	Rock	0.88	0.013	0.5	73.1	3.9	56	0.4	45.7	19.5	905	3.99	11.4	11.2	2.3	12	0.1	0.1	0.2	73	0.63
1341905	Rock	1.32	0.013	0.6	153.6	3.6	58	0.7	17.1	19.6	1008	4.57	8.0	9.9	1.8	21	0.3	0.1	0.4	78	1.18
1341906	Rock	1.03	0.020	0.5	79.3	5.2	68	0.6	93.5	25.6	1107	4.48	13.3	86.1	1.3	18	0.2	0.1	0.3	89	0.92
1341907	Rock	0.58	0.012	0.3	63.3	5.1	55	0.4	85.0	22.1	1181	3.97	9.1	9.3	1.0	77	0.3	<0.1	0.2	78	3.58

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Project: KSD
Report Date: September 16, 2013

CERTIFICATE OF ANALYSIS WHI13000375.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341859	Rock	0.041	4	173	4.35	56	0.009	<20	4.72	0.011	0.04	<0.1	<0.01	24.7	<0.1	<0.05	12	<0.5	<0.2
1341860	Rock	0.053	5	137	4.34	42	0.012	<20	4.59	0.018	0.02	<0.1	<0.01	26.9	<0.1	<0.05	12	<0.5	<0.2
1341861	Rock	0.049	7	75	3.14	72	0.008	<20	3.62	0.013	0.04	<0.1	<0.01	18.3	<0.1	<0.05	9	<0.5	<0.2
1341862	Rock	0.076	5	10	1.70	91	0.035	<20	2.63	0.033	0.05	<0.1	<0.01	9.6	<0.1	<0.05	8	<0.5	<0.2
1341863	Rock	0.043	8	3	0.62	177	0.009	<20	1.21	0.040	0.15	<0.1	<0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
1341864	Rock	0.043	6	13	0.79	197	0.018	<20	1.32	0.043	0.19	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
1341865	Rock	0.046	7	3	0.54	156	0.005	<20	1.07	0.049	0.13	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
1341866	Rock	0.059	3	35	1.93	66	0.050	<20	2.53	0.020	0.05	<0.1	<0.01	6.6	<0.1	<0.05	7	<0.5	<0.2
1341867	Rock	0.054	4	33	1.99	78	0.029	<20	2.69	0.050	0.06	<0.1	<0.01	7.8	<0.1	<0.05	8	<0.5	<0.2
1341868	Rock	0.054	3	29	1.58	73	0.040	<20	2.12	0.020	0.05	<0.1	<0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
1341869	Rock	0.049	6	52	2.32	90	0.007	<20	2.90	0.017	0.08	<0.1	<0.01	11.1	<0.1	<0.05	7	<0.5	<0.2
1341870	Rock	0.048	5	25	1.40	95	0.011	<20	1.89	0.028	0.09	<0.1	<0.01	5.1	<0.1	<0.05	5	<0.5	<0.2
1341871	Rock	0.056	5	42	2.07	85	0.038	<20	2.72	0.020	0.08	<0.1	<0.01	6.9	<0.1	<0.05	7	<0.5	<0.2
1341872	Rock	0.051	7	51	2.25	104	0.012	<20	2.80	0.020	0.07	<0.1	<0.01	8.2	<0.1	<0.05	7	<0.5	<0.2
1341873	Rock	0.051	3	36	1.98	80	0.028	<20	2.48	0.024	0.07	<0.1	<0.01	6.2	<0.1	<0.05	6	<0.5	<0.2
1341874	Rock	0.041	4	31	1.41	88	0.021	<20	1.75	0.013	0.05	<0.1	<0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
1266790	Rock Pulp	0.057	4	32	0.73	95	0.116	<20	1.49	0.079	0.12	10.8	0.06	4.3	<0.1	<0.05	5	<0.5	<0.2
1266791	Rock Pulp	0.061	4	30	0.77	95	0.115	<20	1.52	0.073	0.12	13.4	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1341896	Rock	0.055	9	78	2.18	135	0.008	<20	2.38	0.024	0.08	<0.1	<0.01	7.7	<0.1	<0.05	6	0.7	<0.2
1341897	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1341898	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1341899	Rock	0.036	3	52	2.49	127	0.008	<20	2.67	0.011	0.05	<0.1	<0.01	7.2	<0.1	0.06	6	1.6	0.4
1341900	Rock	0.045	4	45	2.44	120	0.007	<20	2.69	0.025	0.06	<0.1	<0.01	10.2	<0.1	0.05	7	<0.5	<0.2
1341901	Rock	0.050	5	59	3.24	97	0.007	<20	3.47	0.019	0.05	<0.1	<0.01	14.4	<0.1	0.08	9	0.7	<0.2
1341902	Rock	0.044	4	50	3.06	87	0.022	<20	3.60	0.035	0.05	<0.1	<0.01	14.4	<0.1	<0.05	9	<0.5	<0.2
1341903	Rock	0.049	3	38	3.17	91	0.015	<20	3.60	0.043	0.05	<0.1	<0.01	13.5	<0.1	<0.05	9	<0.5	<0.2
1341904	Rock	0.037	7	98	2.61	91	0.015	<20	2.77	0.016	0.10	<0.1	<0.01	9.6	<0.1	0.09	7	<0.5	<0.2
1341905	Rock	0.047	6	26	2.35	111	0.017	<20	2.84	0.028	0.14	<0.1	<0.01	9.8	<0.1	0.37	7	1.3	0.3
1341906	Rock	0.060	6	200	3.27	116	0.007	<20	3.37	0.015	0.07	<0.1	<0.01	12.0	<0.1	0.05	8	<0.5	<0.2
1341907	Rock	0.068	6	199	3.09	97	0.009	<20	3.10	0.016	0.06	<0.1	<0.01	11.6	<0.1	0.09	7	<0.5	<0.2

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1100 - 1199 West Hastings Street
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Project: KSD
Report Date: September 16, 2013

CERTIFICATE OF ANALYSIS WHI13000375.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341908	Rock	0.91	0.007	0.4	66.8	4.0	61	0.4	133.6	26.7	1110	3.90	9.0	8.3	0.7	63	0.2	<0.1	<0.1	71	3.72
1341909	Rock	0.52	0.006	0.3	36.1	4.1	49	0.2	98.7	22.7	933	3.63	3.8	6.7	1.0	41	0.2	<0.1	<0.1	73	2.25
1341910	Rock	1.03	0.010	0.4	47.8	5.0	64	0.2	102.8	25.9	1097	4.22	4.7	5.2	1.3	66	0.2	<0.1	<0.1	67	3.22
1341911	Rock	0.32	0.015	0.6	31.7	13.0	71	0.5	11.1	12.9	731	4.13	11.0	11.6	1.0	43	0.2	0.1	2.8	71	2.22
1341912	Rock	0.22	0.009	0.2	34.7	6.3	68	0.3	31.4	22.9	1080	4.77	6.9	6.4	0.7	17	0.4	<0.1	0.4	91	0.89
1341913	Rock	0.58	0.011	0.2	34.3	14.2	60	0.5	21.5	18.8	886	4.39	7.4	14.2	1.1	40	0.3	0.1	1.7	86	2.14
1341914	Rock	0.93	0.010	0.2	32.5	5.0	47	0.3	14.8	16.9	838	3.93	6.2	10.5	1.4	58	0.2	<0.1	0.5	52	2.75
1341915	Rock	0.93	0.006	0.2	35.9	5.4	46	0.3	16.7	16.9	851	3.96	4.0	7.3	1.8	56	<0.1	<0.1	0.5	70	2.48
1341916	Rock	1.14	0.013	0.3	54.3	10.2	87	0.8	169.5	33.1	1055	5.63	11.9	15.0	1.1	44	0.3	0.2	1.2	117	2.21
1266792	Rock Pulp	0.05	0.780	4.4	34.0	5.9	49	0.3	26.0	9.8	397	2.51	6.3	933.3	0.9	38	0.2	0.8	0.3	57	0.74
1266793	Rock Pulp	0.06	<0.005	2.4	25.9	2.5	44	0.2	25.0	10.5	404	2.45	4.7	1.7	0.8	38	0.2	0.2	0.1	57	0.75
1341875	Rock	0.33	0.006	0.3	17.7	4.8	55	0.2	21.9	13.3	823	3.25	4.5	8.6	4.2	49	0.3	<0.1	0.4	50	1.73
1341876	Rock	0.44	0.010	0.3	25.0	3.8	55	0.3	32.9	19.8	744	4.28	6.7	6.3	1.3	8	0.1	0.1	0.4	108	0.29
1341877	Rock	0.55	0.009	0.3	29.1	3.4	68	0.3	30.9	20.5	512	4.75	6.4	6.8	1.0	5	<0.1	<0.1	0.4	98	0.14
1341878	Rock	0.78	0.008	0.3	23.8	3.5	62	0.2	31.5	21.9	780	4.36	6.2	8.5	1.4	22	0.1	<0.1	0.3	87	1.20
1341879	Rock	0.43	<0.005	0.2	41.5	2.2	77	0.2	27.0	17.2	683	4.22	5.5	2.0	1.0	6	0.1	0.1	0.2	85	0.21
1341880	Rock	0.66	<0.005	0.1	17.2	2.3	47	0.2	22.3	17.8	687	4.19	2.6	1.8	1.0	27	<0.1	<0.1	0.2	92	1.52
1341881	Rock	0.81	<0.005	0.3	19.2	3.8	71	0.3	42.1	25.5	1167	4.70	5.6	4.3	0.9	61	0.2	<0.1	0.3	93	4.11
1341882	Rock	0.51	0.009	0.2	25.8	3.3	71	0.2	34.5	23.5	1002	5.17	4.2	9.3	1.4	16	0.2	<0.1	0.3	94	0.73
1341883	Rock	0.51	<0.005	0.4	36.0	3.5	85	0.2	30.7	19.7	642	4.95	6.7	2.7	1.3	7	0.2	<0.1	0.4	87	0.26
1341884	Rock	0.14	<0.005	0.4	22.9	5.6	81	0.1	47.6	28.9	932	5.95	5.5	3.4	1.6	9	0.2	0.1	0.3	109	0.26
1341885	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1341886	Rock	0.58	0.007	0.3	26.4	6.2	58	0.3	24.6	16.2	468	4.12	6.4	14.5	1.2	6	0.1	<0.1	0.3	82	0.20
1341887	Rock	0.98	<0.005	0.3	41.5	4.5	62	0.3	32.3	23.6	869	4.61	9.5	4.6	0.7	22	0.3	0.1	0.3	96	1.22
1341888	Rock	0.31	0.036	0.3	26.9	5.3	75	0.2	24.3	14.0	444	4.37	5.9	15.5	1.6	6	0.3	0.1	0.6	72	0.18
1341889	Rock	0.41	0.005	0.4	24.8	4.6	92	0.2	30.1	18.0	482	4.64	5.7	2.4	1.0	6	0.2	0.1	0.3	86	0.15
1341890	Rock	0.52	0.036	0.3	63.2	4.8	70	0.8	29.6	19.6	587	5.25	6.8	198.5	1.2	5	0.1	0.1	0.8	76	0.14
1341891	Rock	0.68	0.015	0.3	60.8	2.5	65	0.4	20.4	19.2	550	4.77	4.8	21.9	1.4	4	<0.1	<0.1	0.3	75	0.14
1341892	Rock	1.07	0.017	0.6	92.4	3.7	67	0.7	19.5	21.0	740	4.59	7.3	18.3	1.3	5	0.3	0.1	0.3	70	0.17
1341893	Rock	1.12	0.019	0.5	107.4	4.3	74	0.7	28.1	23.0	1701	5.58	12.9	19.2	1.5	5	0.5	0.1	0.4	88	0.13

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Project: KSD
Report Date: September 16, 2013

CERTIFICATE OF ANALYSIS WHI13000375.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341908	Rock	0.051	5	293	3.41	81	0.007	<20	3.38	0.010	0.09	<0.1	<0.01	10.1	<0.1	0.05	7	<0.5	<0.2
1341909	Rock	0.049	5	230	3.19	81	0.005	<20	3.15	0.012	0.05	<0.1	<0.01	9.7	<0.1	0.07	7	<0.5	<0.2
1341910	Rock	0.057	6	209	3.34	124	0.004	<20	3.37	0.016	0.07	<0.1	<0.01	10.3	<0.1	0.32	7	<0.5	<0.2
1341911	Rock	0.041	3	15	2.19	74	0.006	<20	2.45	0.013	0.06	<0.1	0.01	6.7	<0.1	0.25	6	1.6	1.2
1341912	Rock	0.046	3	73	3.54	115	0.005	<20	3.75	0.017	0.08	<0.1	<0.01	10.7	<0.1	0.18	8	0.7	<0.2
1341913	Rock	0.045	4	56	2.93	61	0.005	<20	3.07	0.013	0.06	<0.1	<0.01	10.7	<0.1	0.30	7	0.7	0.5
1341914	Rock	0.044	6	30	2.57	97	0.005	<20	2.81	0.019	0.12	<0.1	<0.01	7.8	<0.1	0.42	6	0.5	<0.2
1341915	Rock	0.045	7	24	2.39	91	0.004	<20	2.64	0.019	0.09	<0.1	<0.01	8.2	<0.1	0.36	7	<0.5	<0.2
1341916	Rock	0.051	5	413	4.41	97	0.007	<20	4.13	0.003	0.06	<0.1	0.03	12.8	<0.1	0.68	9	0.9	0.4
1266792	Rock Pulp	0.055	4	31	0.73	89	0.106	<20	1.51	0.077	0.13	11.3	0.06	4.0	<0.1	<0.05	5	<0.5	<0.2
1266793	Rock Pulp	0.061	4	31	0.79	96	0.109	<20	1.52	0.073	0.13	13.4	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
1341875	Rock	0.073	26	43	1.74	161	0.004	<20	2.15	0.023	0.10	<0.1	<0.01	6.8	<0.1	0.06	6	<0.5	<0.2
1341876	Rock	0.046	4	97	3.04	95	0.009	<20	3.20	0.023	0.06	<0.1	0.02	13.4	<0.1	<0.05	8	<0.5	<0.2
1341877	Rock	0.047	4	75	3.33	93	0.010	<20	3.51	0.015	0.06	<0.1	0.01	11.8	<0.1	<0.05	9	<0.5	<0.2
1341878	Rock	0.048	6	73	3.38	96	0.049	<20	3.53	0.017	0.09	<0.1	<0.01	8.5	<0.1	0.08	8	<0.5	<0.2
1341879	Rock	0.048	4	62	3.22	99	0.031	<20	3.37	0.034	0.08	<0.1	<0.01	9.0	<0.1	<0.05	8	<0.5	<0.2
1341880	Rock	0.046	4	55	3.48	75	0.024	<20	3.59	0.013	0.07	<0.1	<0.01	9.6	<0.1	<0.05	8	<0.5	<0.2
1341881	Rock	0.049	3	113	3.39	90	0.010	<20	3.84	0.002	0.06	<0.1	<0.01	9.2	<0.1	<0.05	8	<0.5	<0.2
1341882	Rock	0.058	5	87	3.61	92	0.009	<20	4.00	0.011	0.06	<0.1	<0.01	11.6	<0.1	<0.05	10	<0.5	<0.2
1341883	Rock	0.067	5	71	3.36	79	0.007	<20	3.65	0.013	0.08	<0.1	<0.01	10.7	<0.1	<0.05	9	<0.5	<0.2
1341884	Rock	0.060	7	86	4.04	140	0.007	<20	4.47	0.026	0.11	<0.1	<0.01	10.1	<0.1	<0.05	11	<0.5	<0.2
1341885	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1341886	Rock	0.049	3	56	2.72	75	0.011	<20	2.92	0.029	0.06	<0.1	<0.01	8.9	<0.1	<0.05	7	<0.5	<0.2
1341887	Rock	0.045	3	82	3.55	82	0.045	<20	3.60	0.010	0.05	<0.1	<0.01	9.9	<0.1	0.07	8	<0.5	<0.2
1341888	Rock	0.050	4	41	2.59	113	0.009	<20	2.98	0.009	0.08	<0.1	<0.01	5.7	<0.1	<0.05	8	<0.5	<0.2
1341889	Rock	0.045	3	60	3.20	86	0.013	<20	3.35	0.009	0.06	<0.1	<0.01	7.8	<0.1	<0.05	9	<0.5	<0.2
1341890	Rock	0.050	4	73	3.01	79	0.010	<20	3.45	0.014	0.09	<0.1	0.01	9.7	<0.1	<0.05	8	<0.5	0.5
1341891	Rock	0.046	6	45	3.38	87	0.007	<20	3.58	0.017	0.10	0.6	<0.01	9.0	<0.1	<0.05	8	<0.5	<0.2
1341892	Rock	0.050	7	44	3.05	106	0.007	<20	3.23	0.023	0.10	<0.1	<0.01	9.3	<0.1	<0.05	7	<0.5	<0.2
1341893	Rock	0.046	7	67	4.04	160	0.007	<20	4.24	0.012	0.11	<0.1	<0.01	11.1	<0.1	<0.05	10	<0.5	<0.2

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Project: KSD
Report Date: September 16, 2013

CERTIFICATE OF ANALYSIS WHI13000375.1

Method		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1341894	Rock	1.23	0.024	0.5	76.3	3.3	78	0.4	30.6	27.4	1302	6.10	3.8	19.4	1.2	5	0.2	<0.1	0.2	120	0.16
1341895	Rock	1.01	0.018	0.5	128.8	3.3	88	0.4	31.6	31.7	1333	6.28	5.0	18.9	1.4	5	0.3	<0.1	0.5	99	0.17
1341917	Rock	1.15	0.013	0.4	59.9	7.2	52	0.3	14.7	28.7	1137	7.42	12.0	11.1	0.5	11	0.3	0.2	0.5	213	0.33
1341918	Rock	1.10	0.014	0.3	76.4	4.9	41	0.5	14.0	30.6	864	7.90	6.6	12.4	0.5	8	0.1	0.2	0.8	261	0.16
1341919	Rock	0.77	0.036	1.0	37.6	4.6	65	0.2	21.1	16.1	846	3.50	6.0	48.7	4.1	41	0.2	0.1	0.3	37	2.04
1341920	Rock	0.85	<0.005	0.2	50.5	8.7	52	0.3	14.9	21.7	1804	5.92	5.8	4.7	0.5	181	0.4	0.2	0.4	151	6.29
1341921	Rock	0.89	<0.005	0.6	54.1	6.7	65	0.3	13.7	16.5	1029	4.77	13.3	4.8	2.3	41	0.4	0.2	0.4	87	1.30
1341922	Rock	0.86	<0.005	0.9	61.0	11.5	73	0.6	69.5	24.8	1027	4.66	2.6	2.7	2.3	47	0.3	<0.1	0.8	101	1.85
1341923	Rock	0.91	0.065	0.7	79.3	51.5	124	4.2	14.0	19.6	631	5.55	20.7	65.8	1.8	7	0.8	0.2	7.3	91	0.17
1341924	Rock	0.70	0.075	0.6	25.6	65.8	49	3.6	8.0	10.5	474	2.53	6.7	89.2	3.8	5	0.4	0.1	3.7	35	0.12
1341925	Rock	0.80	0.040	0.8	32.8	18.0	50	1.1	8.4	9.9	464	2.27	7.6	43.4	4.3	5	0.2	0.2	1.0	33	0.09
1341926	Rock	0.62	0.022	0.3	62.0	11.3	67	0.8	13.2	24.5	889	6.07	9.2	19.1	1.2	19	0.3	0.1	0.8	135	0.50
1341927	Rock	0.92	0.013	0.3	67.5	7.1	77	0.6	12.8	26.5	938	7.55	14.8	8.8	0.6	39	0.4	0.2	0.7	239	1.40
1341928	Rock	0.94	0.008	0.8	40.9	6.6	44	0.4	9.8	12.7	662	4.48	11.4	5.6	2.5	9	0.3	0.2	0.4	95	0.27
1341929	Rock	0.95	2.861	1.6	122.3	334.0	165	74.5	8.4	17.4	668	5.76	25.4	2564	3.5	21	1.2	0.3	153.8	104	0.37
1341930	Rock	0.99	0.061	0.4	100.0	47.6	114	3.8	10.7	23.2	1069	6.79	29.4	55.3	1.1	48	0.8	0.3	4.7	167	1.58
1341931	Rock	0.80	0.055	0.6	70.3	39.8	125	2.1	4.6	10.6	1013	4.03	30.3	59.0	1.8	63	1.1	0.4	2.3	25	2.04
1341932	Rock	0.83	0.036	0.3	78.3	12.1	72	0.9	15.2	35.6	1211	7.70	27.6	30.8	0.5	28	0.5	0.3	0.7	231	0.88
1341933	Rock	0.48	0.087	0.5	91.5	44.2	118	2.7	7.9	14.5	933	4.11	28.2	79.4	3.1	50	0.9	0.5	1.7	41	2.00
1341934	Rock	1.15	0.039	0.2	147.1	22.8	142	2.4	11.3	25.6	980	6.34	27.2	46.8	0.7	74	0.9	0.5	2.0	139	2.43
1341935	Rock	0.74	0.146	1.1	82.5	108.8	85	5.1	5.0	17.6	1012	3.39	51.7	161.3	3.4	54	0.9	0.4	4.0	24	1.67
1341936	Rock	0.88	0.031	0.5	92.6	16.9	97	1.6	12.3	27.6	854	6.68	23.4	29.6	1.1	23	0.7	0.3	1.8	116	0.92
1341937	Rock	0.80	0.088	1.4	10.3	19.9	21	2.4	9.8	5.1	403	1.46	7.3	92.3	4.4	13	0.3	<0.1	2.8	11	0.22

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1341894	Rock	0.059	7	94	5.00	104	0.008	<20	4.92	0.005	0.07	<0.1	0.01	14.1	<0.1	<0.05	11	<0.5	<0.2
1341895	Rock	0.054	8	91	4.78	125	0.008	<20	4.98	0.002	0.09	<0.1	<0.01	11.2	<0.1	<0.05	11	<0.5	<0.2
1341917	Rock	0.056	2	13	3.38	85	0.008	<20	4.24	0.023	0.06	<0.1	0.02	15.7	<0.1	0.13	13	0.6	<0.2
1341918	Rock	0.057	3	13	3.80	55	0.009	<20	4.60	0.038	0.04	<0.1	0.02	20.9	<0.1	0.14	14	1.0	<0.2
1341919	Rock	0.072	8	21	1.13	161	0.004	<20	1.72	0.024	0.17	<0.1	<0.01	4.5	<0.1	0.09	5	<0.5	<0.2
1341920	Rock	0.052	4	12	2.61	66	0.008	<20	3.47	0.011	0.06	<0.1	0.03	12.7	<0.1	0.30	10	1.2	<0.2
1341921	Rock	0.060	5	15	2.64	110	0.006	<20	3.08	0.016	0.09	<0.1	<0.01	6.7	<0.1	0.20	8	0.5	<0.2
1341922	Rock	0.043	5	236	3.82	61	0.006	<20	3.81	0.001	0.06	<0.1	<0.01	13.6	<0.1	<0.05	9	<0.5	<0.2
1341923	Rock	0.062	6	16	2.85	95	0.006	<20	3.43	0.033	0.10	<0.1	0.05	7.9	<0.1	<0.05	9	<0.5	2.5
1341924	Rock	0.050	10	8	1.37	109	0.003	<20	1.63	0.062	0.08	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	1.2
1341925	Rock	0.042	12	9	1.33	111	0.003	<20	1.53	0.074	0.08	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	0.3
1341926	Rock	0.054	7	12	2.80	119	0.006	<20	3.37	0.009	0.07	<0.1	0.02	12.3	<0.1	0.10	10	<0.5	0.3
1341927	Rock	0.056	4	14	3.29	64	0.008	<20	4.11	0.013	0.04	<0.1	0.01	20.4	<0.1	0.22	12	<0.5	0.4
1341928	Rock	0.077	9	10	2.47	92	0.004	<20	2.79	0.015	0.07	<0.1	0.03	8.7	<0.1	0.09	8	<0.5	<0.2
1341929	Rock	0.055	9	11	3.16	85	0.005	<20	3.45	0.013	0.04	<0.1	0.08	12.3	<0.1	0.09	10	4.0	61.6
1341930	Rock	0.047	4	8	3.85	87	0.006	<20	4.25	0.002	0.03	<0.1	0.06	16.7	<0.1	0.18	12	<0.5	1.1
1341931	Rock	0.058	5	2	1.52	259	0.003	<20	1.49	0.023	0.05	<0.1	0.04	7.2	<0.1	0.68	5	0.8	0.9
1341932	Rock	0.054	2	11	3.79	133	0.010	<20	4.26	0.006	0.03	<0.1	0.04	21.7	<0.1	0.52	12	0.8	0.4
1341933	Rock	0.058	5	5	2.03	370	0.004	<20	1.92	0.013	0.10	<0.1	0.08	5.3	<0.1	0.69	5	1.6	1.0
1341934	Rock	0.046	2	8	3.60	183	0.007	<20	3.84	0.002	0.06	<0.1	0.05	11.6	<0.1	0.63	10	2.0	0.7
1341935	Rock	0.062	13	6	1.23	380	0.003	<20	1.45	0.017	0.09	<0.1	0.05	4.9	<0.1	0.12	5	1.5	2.0
1341936	Rock	0.047	2	9	2.83	649	0.005	<20	3.30	0.014	0.08	<0.1	0.02	9.8	<0.1	0.51	9	0.8	0.7
1341937	Rock	0.097	12	7	0.34	342	0.002	<20	0.58	0.011	0.16	<0.1	0.02	1.7	<0.1	<0.05	1	<0.5	0.6

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Project: KSD
Report Date: September 16, 2013

QUALITY CONTROL REPORT WHI13000375.1

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1266791	Rock Pulp	0.05	0.006	2.7	25.9	2.3	44	0.2	24.1	10.4	392	2.39	5.0	<0.5	0.9	37	0.2	0.2	<0.1	56	0.77
REP 1266791	QC			2.5	26.0	2.3	41	0.3	24.4	10.8	388	2.34	4.3	<0.5	0.9	36	0.2	0.3	<0.1	56	0.76
1341889	Rock	0.41	0.005	0.4	24.8	4.6	92	0.2	30.1	18.0	482	4.64	5.7	2.4	1.0	6	0.2	0.1	0.3	86	0.15
REP 1341889	QC			0.3	24.5	4.4	90	0.2	30.6	18.0	484	4.65	5.8	2.3	1.0	5	<0.1	<0.1	0.3	86	0.14
REP 1341937	QC			1.0	10.2	17.5	19	1.9	9.6	5.0	368	1.32	7.1	78.6	3.9	11	0.2	<0.1	2.3	10	0.18
Core Reject Duplicates																					
1341865	Rock	1.02	0.019	0.1	29.6	2.0	32	0.2	5.4	6.1	379	1.91	2.7	20.6	4.2	11	0.1	<0.1	<0.1	11	0.17
DUP 1341865	QC		0.015	0.1	30.4	2.0	33	0.2	5.2	6.4	395	2.08	2.4	18.2	4.2	13	0.2	<0.1	<0.1	12	0.19
1341878	Rock	0.78	0.008	0.3	23.8	3.5	62	0.2	31.5	21.9	780	4.36	6.2	8.5	1.4	22	0.1	<0.1	0.3	87	1.20
DUP 1341878	QC		0.008	0.2	22.3	3.2	59	0.2	29.0	20.9	736	4.26	5.5	5.1	1.3	21	0.2	0.1	0.3	85	1.12
1341937	Rock	0.80	0.088	1.4	10.3	19.9	21	2.4	9.8	5.1	403	1.46	7.3	92.3	4.4	13	0.3	<0.1	2.8	11	0.22
DUP 1341937	QC		0.085	1.2	10.7	18.1	20	1.9	9.7	4.8	362	1.32	7.1	72.3	4.1	11	0.2	<0.1	2.3	10	0.18
Reference Materials																					
STD DS9	Standard			12.5	111.3	122.4	301	1.7	39.9	7.5	571	2.32	24.0	102.1	6.2	61	2.0	4.9	5.5	38	0.68
STD DS9	Standard			11.9	113.4	134.6	329	2.0	41.4	8.1	597	2.38	25.6	100.1	6.0	69	2.5	5.1	5.6	40	0.70
STD DS9	Standard			12.2	108.4	128.6	314	1.8	39.6	7.3	597	2.42	27.5	104.2	6.5	77	2.1	4.5	6.8	42	0.73
STD OREAS45EA	Standard			1.4	644.3	14.2	29	0.2	360.2	49.6	394	21.69	9.2	47.9	10.8	3	<0.1	0.3	0.2	311	0.04
STD OREAS45EA	Standard			1.4	680.0	16.1	30	0.3	387.2	52.8	415	23.02	8.9	59.4	11.2	4	<0.1	0.3	0.3	324	0.04
STD OREAS45EA	Standard			1.2	714.8	14.6	29	0.3	390.7	51.3	405	24.50	10.3	55.0	10.7	4	<0.1	0.2	0.3	301	0.04
STD OXC109	Standard		0.203																		
STD OXC109	Standard		0.192																		
STD OXC109	Standard		0.213																		
STD OXC109	Standard		0.206																		
STD OXI96	Standard		1.828																		
STD OXI96	Standard		1.712																		
STD OXI96	Standard		1.810																		
STD OXI96	Standard		1.809																		
STD OXL93	Standard		5.973																		

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	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
1266791	Rock Pulp	0.061	4	30	0.77	95	0.115	<20	1.52	0.073	0.12	13.4	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
REP 1266791	QC	0.062	4	31	0.77	91	0.117	<20	1.49	0.073	0.12	13.8	<0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
1341889	Rock	0.045	3	60	3.20	86	0.013	<20	3.35	0.009	0.06	<0.1	<0.01	7.8	<0.1	<0.05	9	<0.5	<0.2
REP 1341889	QC	0.042	3	59	3.21	86	0.012	<20	3.37	0.010	0.06	<0.1	0.01	7.9	<0.1	<0.05	8	<0.5	<0.2
REP 1341937	QC	0.088	11	6	0.32	286	0.002	<20	0.53	0.009	0.13	<0.1	0.02	1.5	<0.1	<0.05	1	<0.5	0.7
Core Reject Duplicates																			
1341865	Rock	0.046	7	3	0.54	156	0.005	<20	1.07	0.049	0.13	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
DUP 1341865	QC	0.047	7	5	0.56	187	0.005	<20	1.16	0.056	0.16	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
1341878	Rock	0.048	6	73	3.38	96	0.049	<20	3.53	0.017	0.09	<0.1	<0.01	8.5	<0.1	0.08	8	<0.5	<0.2
DUP 1341878	QC	0.049	6	65	3.30	83	0.048	<20	3.44	0.010	0.07	<0.1	0.01	7.9	<0.1	0.06	8	<0.5	<0.2
1341937	Rock	0.097	12	7	0.34	342	0.002	<20	0.58	0.011	0.16	<0.1	0.02	1.7	<0.1	<0.05	1	<0.5	0.6
DUP 1341937	QC	0.086	10	6	0.32	278	0.002	<20	0.50	0.010	0.13	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	1.0
Reference Materials																			
STD DS9	Standard	0.081	11	119	0.61	302	0.103	<20	0.92	0.078	0.39	3.0	0.18	2.1	4.7	0.16	4	5.4	4.7
STD DS9	Standard	0.085	12	122	0.62	320	0.109	<20	0.96	0.085	0.41	3.0	0.19	2.1	5.4	0.17	5	5.9	5.1
STD DS9	Standard	0.086	13	118	0.63	330	0.110	<20	0.99	0.088	0.41	2.6	0.20	2.8	5.1	0.17	5	6.3	5.2
STD OREAS45EA	Standard	0.028	7	875	0.09	147	0.091	<20	2.93	0.016	0.05	<0.1	<0.01	73.0	<0.1	<0.05	11	0.9	<0.2
STD OREAS45EA	Standard	0.029	7	857	0.11	145	0.096	<20	3.17	0.016	0.05	<0.1	0.01	79.6	<0.1	<0.05	13	<0.5	<0.2
STD OREAS45EA	Standard	0.031	7	819	0.11	152	0.095	<20	3.23	0.018	0.05	<0.1	<0.01	84.0	<0.1	<0.05	13	<0.5	<0.2
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXL93	Standard																		

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		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXL93	Standard		5.612																		
STD OXL93	Standard		5.946																		
STD OXL93	Standard		5.564																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032
STD OXC109 Expected			0.201																		
STD OXI96 Expected			1.802																		
STD OXL93 Expected			5.841																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
G1-WHI	Prep Blank		<0.005	<0.1	26.2	3.5	46	<0.1	28.3	5.1	563	1.95	0.6	5.1	4.7	56	<0.1	0.1	0.1	33	0.50
G1-WHI	Prep Blank		<0.005	0.2	7.7	3.3	46	<0.1	7.5	4.5	574	1.99	<0.5	2.4	6.7	54	<0.1	<0.1	<0.1	36	0.44

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		1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11
STD OXC109 Expected																			
STD OXI96 Expected																			
STD OXL93 Expected																			
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1-WHI	Prep Blank	0.071	9	9	0.54	164	0.130	<20	1.02	0.098	0.51	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
G1-WHI	Prep Blank	0.079	12	7	0.53	173	0.129	<20	0.98	0.109	0.54	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2

Appendix IX
Geoprobe Sample Descriptions

Line No.	Station-m	Sample No.	Description	Intensity
KSDGP13-01	0	1265963	orange-brown to greyish brown muscovite-quartz-feldspar schist with minor biotite and chlorite, moderate limonite along foliation, trace mariposite, 7% quartz, some rusty, some along foliation	3
	5	1265964	orange-brown muscovite-quartz-feldspar schist with weak biotite and chlorite, weak-moderate limonite along foliation, 1% quartz along foliation	3
	10	1265965	orange-brown muscovite-quartz-feldspar schist with weak biotite and chlorite, weak limonite along foliation, 1% quartz along foliation	3
	15	1265966	orange-brown to light greyish-light greenish brown muscovite-quartz-feldspar schist with moderate biotite and chlorite, weak limonite along foliation and knots, 2% quartz along foliation	2
	20	1265967	greenish tan to minor silvery chlorite-biotite-quartz-feldspar schist with weak muscovite, some minor sericite, weak limonite along foliation	1
	25	1265968	dark greenish brown, weak orange-brown chlorite-biotite-quartz-feldspar schist, trace limonite along foliation	1
	30	1265969	greenish brown, with weak orange-brown chlorite-biotite-quartz-feldspar schist, very weak limonite along foliation, 2-3% quartz along foliation, minor carbonate?	1
	35	1265970	orange-brown muscovite-quartz-feldspar schist with very minor biotite and chlorite, weak limonite along foliation, 2-3% quartz along foliation	1
	40	1265971	greenish brown, with minor weak orange-brown minor biotite-chlorite-muscovite-quartz-feldspar schist, weak limonite along foliation, calcite veins and carbonate (fizzes) along foliation	1
	45	1265972	medium brown to light greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with very weak limonite along foliation, carbonate (fizzes) along foliation	1
	50	1265973	light greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with very weak limonite along foliation, calcite veinlets and carbonate (fizzes) along foliation	1
	55	1265974	light greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with very weak limonite along foliation, calcite veinlets and carbonate (fizzes) along foliation	1
	60	1265975	light greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with weak limonite along foliation, calcite veinlets and carbonate (fizzes) along foliation	1
	65	1265976	light greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with some limonite knots, minor quartz veins along foliation, carbonate (fizzes) along foliation	1

Line No.	Station-m	Sample No.	Description	Intensity
	70	1265977	light greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with weak limonite along foliation, calcite veinlets and carbonate (fizzes) along foliation	1
	75	1265978	orange to greenish brown muscovite-chlorite-quartz-feldspar schist with weak biotite and chlorite, weak limonite along foliation and limonite knots, some quartz-carbonate veins along foliation and carbonate (fizzes) along foliation	1
	80	1265979	greenish brown, chlorite-quartz-feldspar schist, minor limonite knots, carbonate (fizzes) along foliation	1
	85	1265980	greenish brown, chlorite-quartz-feldspar schist, minor limonite knots, minor calcite veinlets, carbonate (fizzes) along foliation	1
	90	1265981	greenish brown, chlorite-quartz-feldspar schist, minor limonite knots, minor calcite veinlets, carbonate (fizzes) along foliation	1
	95	1265982	light greyish green to dark greenish brown muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with minor limonite knots and weak limonite along foliation, some carbonate (fizzes) along foliation	1
	100	1265983	greenish brown, chlorite-quartz-feldspar schist, minor limonite knots, minor calcite veinlets, carbonate (fizzes) along foliation	1
	105	1265984	light greyish green to dark greenish brown muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with minor limonite knots, minor quartz along foliation, minor carbonate (fizzes) along foliation	1
	110	1265985	greenish brown, chlorite-quartz-feldspar schist, minor limonite along foliation, very minor carbonate (fizzes) along foliation	1
	115	1265986	orange-brown,bit greenish muscovite-chlorite-quartz-feldspar schist, moderate limonite along foliation	2
	120	1265987	orange-brown,bit greenish muscovite-chlorite-quartz-feldspar schist, weak-moderate limonite along foliation, minor calcite veinlets and carbonate (fizzes) along foliation	2
	125	1265988	orange-brown,bit greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, minor calcite veinlets and carbonate (fizzes) along foliation	2
KSDGP13-02	0	1265989	very strong orange-brown sericite altered muscovite-quartz schist with strong limonite along foliation and as knots (after pyrite cubes)	3
	5	1265990	strong orange-brown sericite altered muscovite-quartz schist with strong limonite along foliation and as knots (after pyrite cubes)	3
	10	1265991	medium brown to greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with weak limonite along foliation and as knots, minor carbonate (fizzes) along foliation	1
	15	1265992	greenish brown, chlorite-quartz-feldspar schist, very weak limonite knots	1

Line No.	Station-m	Sample No.	Description	Intensity
	20	1265993	orange-brown muscovite-quartz-feldspar schist with minor chlorite, moderate limonite as knots after pyrite cubes and along foliation,	3
	25	1265994	strong orange-brown muscovite-quartz-feldspar schist with strong limonite along foliation and as knots (after pyrite cubes) one piece quartz (1.5 cm) along foliation	3
	30	1265995	orange-brown muscovite-quartz-feldspar schist with minor chlorite, weak to moderate limonite as knots after pyrite cubes and along foliation,	3
	35	1265996	medium brown to greyish green muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with trace limonite along foliation and as knots	1
	40	1265997	greyish green to minor medium brown muscovite-chlorite-quartz-feldspar schist with very weak limonite along foliation and as knots, minor carbonate (fizzes) along foliation, minor quartz along foliation	1
	45	1265998	weak orange-brown muscovite-quartz-feldspar schist with weak chlorite, weak-moderate limonite along foliation	1
	50	1265999	strong orange-brown sericite-quartz-feldspar schist with strong limonite along foliation and as knots (after pyrite cubes), 4% weak rusty quartz	3
	55	1266000	weak orange-brown to light-brown muscovite-quartz-feldspar schist, weak limonite along foliation, minor Mn	1
	60	1341751	light-brown to bit greenish muscovite-quartz-feldspar schist with weak chlorite, weak limonite along foliation	1
	65	1341752	greyish green to minor medium to light brown minor muscovite-biotite-chlorite-quartz-feldspar schist with very weak limonite along foliation, minor carbonate (fizzes) along foliation, minor quartz along foliation	1
	70	1341753	orange-brown to light-brown muscovite-chlorite-biotite quartz-feldspar schist, weak limonite along foliation and as knots, 20% quartz, minor Mn	2
	75	1341754	orange-brown to yellowish sericite altered muscovite-quartz schist, with minor chlorite-biotite, weak limonite along foliation and as knots, minor oxidized pyrite cubes	3
	80	1341755	medium brown, bit rusty, muscovite-biotite-chlorite-quartz-feldspar schist with moderate pyrite as knots, minor quartz along foliation, minor carbonate (fizzes) along foliation	1
	85	1341756	orange brown, bit rusty, muscovite-biotite-chlorite-quartz-feldspar schist with moderate pyrite as knots and along foliation	2
	90	1341757	orange brown, to light brown, muscovite-biotite-chlorite quartz-feldspar schist with minor pyrite as knots, 5% quartz	1
	95	1341758	orange brown muscovite-biotite-chlorite quartz schist with weak-moderate limonite as knots and along foliation	1

Line No.	Station-m	Sample No.	Description	Intensity
	100	1341759	yellowish orange brown,with reddish-orange, altered sericite-quartz schist with very minor biotite an 5% oxidized pyrite cubes and boxwork, moderate red, orange, yellow limonite as knots and along foliation, minor quartz along foliation	3
	105	1341760	weak orange-brown to light-brown muscovite-chlorite-biotite quartz-feldspar schist, weak limonite along foliation and as knots,	1
	110	1341761	medium brown, bit orange, muscovite-chlorite-biotite-quartz-feldspar schist with very weak limonite along foliation and minor knots, minor quartz along foliation	1
	115	1341762	orange brown biotite-chlorite-muscovite quartz-feldspar schist with weak limonite as knots and along foliation, 7% quartz some of which is along foliation	3
	120	1341763	strong orange-brown muscovite-quartz schist with minor biotite and chlorite, strong limonite along foliation and minor as knots (after pyrite cubes), 2% quartz, mostly along foliation, very minor carbonale (fizzes) along foliation	3
	125	1341764	weak orange-brown to light-brown muscovite-chlorite-biotite-quartz-feldspar schist, weak limonite along foliation and moderately as knots, minor oxidized cubic pyrite	2
KSDGP13-03	0	1341765	weak orange-brown to light-brown muscovite-chlorite-biotite-quartz-feldspar schist, weak limonite along foliation and moderately as knots, minor oxidized cubic pyrite, 5% quartz apparently along foliation	3
	5	1341766	rusty orange-brown chlorite-biotite-muscovite-quartz-feldspar schist, moderate limonite along foliation and moderately as knots, minor oxidized cubic pyrite, 5% quartz apparently along foliation	3
	10	1341767	orange-brown muscovite-quartz-feldspar schist with minor biotite, moderate limonite along foliation and moderately as knots, moderate oxidized cubic pyrite, 5% quartz apparently along foliation	3
	15	1341768	orange-brown muscovite-quartz-feldspar schist with minor chlorite, weak-moderate limonite along foliation and very weakly as knots, trace oxidized cubic pyrite,	3
	20	1341769	bit rusty orange-brown to light greyish-brown muscovite-chlorite-quartz-feldspar schist with minor biotite, weak limonite and minor Mn along foliation and trace limonite as knots	2
	25	1341770	bit rusty orange-brown to light greyish-brown muscovite-chlorite-quartz-feldspar schist with minor biotite, weak limonite along foliation and as knots, minor Mn on fracture fillings	2
	30	1341771	rusty orange-brown chlorite-muscovite-quartz-feldspar schist with minor biotite, weak limonite along foliation and as knots, minor oxidized cubic pyrite,	3
	35	1341772	bit rusty orange-brown to light greyish-brown muscovite-chlorite-quartz-feldspar schist with minor biotite, weak limonite along foliation and as knots, 5% oxidized and fresh cubic pyrite minor Mn in vugs, minor 1% quartz along foliation	3

Line No.	Station-m	Sample No.	Description	Intensity
	40	1341773	bit rusty medium brown weak sericite altered muscovite-quartz-feldspar schist with minor biotite and chlorite, weak limonite along foliation and as knots	2
	45	1341774	bit rusty medium brown muscovite-chlorite-quartz-feldspar schist with minor biotite, weak limonite along foliation and as knots, Mn in vugs	2
	50	1341775	bit rusty medium brown weak sericite altered muscovite-quartz-feldspar schist with minor biotite and chlorite, weak limonite along foliation and as knots	2
	55	1341776	bit rusty orange-brown muscovite-quartz-feldspar schist, weak chlorite, weak limonite along foliation and moderately as knots	2
	60	1341777	orange-brown sericite altered chlorite-muscovite-quartz schist with weak limonite along foliation and as knots (after pyrite cubes), minor dark brown lined vugs (goethite?)	3
	65	1341778	orange-brown sericite altered chlorite-muscovite-quartz schist with weak limonite along foliation and as knots (after pyrite cubes), minor dark brown vugs, 1% quartz along foliation	3
	70	1341779	bit greenish medium brown muscovite-chlorite (some remnant biotite)-quartz-feldspar schist with trace limonite along foliation and as knots, minor dark brown lined vugs	1
	75	1341780	bit rusty orange-brown muscovite-chlorite-quartz-feldspar schist, weak to moderate limonite along foliation and as knots	1
	80	1341781	light greyish green chlorite-quartz-feldspar schist with weak muscovite, trace limonite along foliation, quartz and quartz-calcite veins and calcite veinlets and carbonate (fizzes) along foliation	1
	85	1341782	greenish brown chlorite-quartz-feldspar schist with weak muscovite, weak limonite along foliation and moderate limonite as knots, 5% oxidized pyrite cubes, 10% quartz veins, some rusty and along foliation, carbonate (fizzes) along foliation	1
	90	1341783	greenish grey to medium brown chlorite-quartz-feldspar schist with weak muscovite, weak-moderate limonite along foliation and moderate limonite as knots, 5% quartz veins, some along foliation, some calcite	1
	95	1341784	greenish grey to medium brown chlorite-quartz-feldspar schist weak limonite along foliation and as limonite as knots, 3% quartz veins, some along foliation, calcite veinlets	1
	100	1341785	greenish grey to minor orange-brown muscovite-chlorite-quartz-feldspar schist weak limonite along foliation andvery minor as knots, some quartz along foliation,	1
KSDGP13-04	0	1341786	bit rusty orange-brown muscovite-chlorite-quartz-feldspar schist with minor limonite along foliation and as knots, 2% quartz,possibly along foliation	1
	5	1341787	bit rusty orange-brown chlorite-quartz-feldspar schist with minor muscovite, minor limonite along foliation and as knot	1

Line No.	Station-m	Sample No.	Description	Intensity
	10	1341788	rusty medium brown muscovite-chlorite-biotite-quartz-feldspar schist, very weak limonite along foliation, 2% quartz apparently along foliatio , minor dark brown lined vugs (goethite?)	1
	15	1341789	rusty medium brown muscovite-biotite-quartz-feldspar schist, very weak limonite along foliation, 2% quartz apparently along foliation, minor dark brown lined vugs (goethite?)	1
	20	1341790	bit rusty medium brown muscovite-biotite-chlorite-quartz-feldspar schist, weak limonite along foliation, 2% quartz apparently along foliation, minor dark brown lined vugs (goethite?)	1
	25	1341791	medium brown to greenish-grey (some orange in photo) muscovite biotite-chlorite-quartz-feldspar schist, weak limonite along foliation, 2% quartz apparently along foliation	1
	30	1341792	greenish medium brown muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, 1% quartz apparently along foliation, minor dark brown lined vugs (goethite?)	1
	35	1341793	orange-brown muscovite-chlorite-quartz-feldspar schist with some biotite, weak limonite along foliation, 2% quartz apparently along foliation	1
	40	1341794	orange-brown muscovite-chlorite-quartz-feldspar schist with some biotite, weak limonite along foliation and as knots, 2% quartz apparently along foliation	1
	45	1341795	medium orange-brown (some orange in photo) muscovite-biotite-quartz-feldspar schist, weak limonite along foliation,1% quartz apparently along foliation	1
	50	1341796	medium brown to greenish-grey (some orange in photo) weak muscovite-chlorite-biotite-quartz-feldspar schist, weak limonite along foliation	1
	55	1341797	medium brown to lesser greenish-grey (some orange in photo) weak muscovite-chlorite-biotite-quartz-feldspar schist, weak limonite along foliation,minor calcite blebs along foliation, minor dark brown lined vugs (goethite?)	1
	60	1341798	medium brown to lesser greenish-grey (some orange in photo) chlorite-biotite-quartz-feldspar schist, very weak limonite along foliation	1
	65	1341799	medium brown to lesser greenish-grey (some orange in photo) weak muscovite-chlorite-biotite-quartz-feldspar schist, weak limonite along foliation	1
	70	1341800	medium brown to lesser greenish-grey (some orange in photo) weak muscovite- chlorite-biotite-quartz-feldspar schist, very weak limonite along foliation, minor quartz	1
	75	1341801	orange-brown to lesser greenish-grey weak muscovite- chlorite-biotite-quartz-feldspar schist, weak limonite along foliation and as knots, 1% quartz aong foliation	1
	80	1341802	medium brown to lesser greenish-grey weak muscovite-chlorite-biotite-quartz-feldspar schist, very weak limonite along foliation	1

Line No.	Station-m	Sample No.	Description	Intensity
	85	1341803	bit rusty medium brown to lesser greenish-grey weak muscovite-chlorite-biotite-quartz-feldspar schist, very weak limonite knots	1
	90	1341804	bit rusty greenish-grey weak muscovite-chlorite-biotite-quartz-feldspar schist, very weak limonite along foliation, minor quartz along foliation	1
	95	1341805	bit rusty greenish-grey weak muscovite-chlorite-biotite-quartz-feldspar schist, trace limonite along foliation	1
	100	1341806	orange-brown weak muscovite-chlorite-biotite-quartz-feldspar schist, trace limonite along foliation, minor quartz along foliation	1
	105	1341807	medium-bit dark brown, bit rusty, few fines, light grey-brown sticky clay soil at bottom of plug, possible boulder, biotite-chlorite-quartz-feldspar schist with weak muscovite, weak to locally moderate limonite along foliation, 5% quartz with some along foliation	2
	110	1341808	medium-bit dark brown, bit rusty, few fines but more than at 105m, light grey-brown sticky clay soil at bottom of plug, possible boulder, biotite-chlorite-quartz-feldspar schist with trace muscovite, very weak limonite along foliation, 5% quartz with some along foliation	2
	115	1341809	dark brown above 2.3m to rusty, orange brown below 2.3m depth, chlorite-biotite-quartz-feldspar schist above 2.3m, and muscovite-quartz schist below 2.3m, with moderate limonite along foliation and 5% quartz along foliation	3
	120	1341810	medium brown, bit rusty, biotite-quartz schist with local minor limonite and minor quartz along foliation	1
	125	1341811	medium brown biotite-quartz schist with local trace limonite and minor quartz along foliation	1
KSDGP13-05	0	1341812	medium brown, bit orange, biotite-chlorite-quartz-feldspar schist with minor muscovite, local trace limonite	1
	5	1341813	orange-brown muscovite-biotite-chlorite-quartz-feldspar schist with minor limonite, minor quartz	1
	10	1341814	orange-brown muscovite-biotite-chlorite-quartz-feldspar schist with weak limonite along foliation, minor quartz, light pink-yellow-grey clay mixed in interval - possible clay-sericite-limonite altered zones within schist - plan to send soil out from this interval to be analyzed as rock	2
	15	1341815	orange-brown muscovite-biotite-quartz-feldspar schist with weak limonite, 5% quartz, orange clay soil -send soil in	2
	20	1341816	orange to medium brown muscovite-biotite-quartz-feldspar schist with weak limonite, 2% quartz	1

Line No.	Station-m	Sample No.	Description	Intensity
	25	1341817	orange to medium brown muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz, some orange clay soil	1
	30	1341818	orange to medium brown muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite on foliation and as knots, minor quartz, some orange clay soil	1
	35	1341819	medium brown, bit rusty, muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz, some orange clay soil	1
	40	1341820	orange brown muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz, some orange clay soil	1
	45	1341821	orange to medium brown chlorite-biotite-quartz-feldspar schist with weak limonite on foliation and as knots, minor quartz	1
	50	1341822	orange brown, bit rusty, muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz	1
	55	1341823	orange brown muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz	1
	60	1341824	medium brown, bit rusty, muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz, some brown lined vugs,small sample	1
	65	1341825	orange brown, to greenish-grey chlorite-biotite-muscovite-quartz-feldspar schist with weak limonite along foliation and as knots, 7% quartz	3
	70	1341826	orange to medium brown muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, lots brown lined vugs	1
	75	1341827	orange to medium brown chlorite-biotite-muscovite-quartz-feldspar schist with weak limonite, minor brown lined vugs	1
	80	1341828	orange brown chlorite-biotite-muscovite-quartz-feldspar schist with moderate limonite, 4% quartz	3
	85	1341829	orange brown chlorite-biotite-muscovite-quartz-feldspar schist with weak-moderate limonite, 2% quartz	3
	90	1341830	orange brown to greenish-grey muscovite-chlorite-biotite-quartz-feldspar schist with weak limonite, 2% quartz	1
	95	1341831	orange brown sericite altered biotite-muscovite-quartz-feldspar schist with weak-moderate limonite, minor oxidized pyrite cubes, 2% quartz	3
	100	1341832	orange brown biotite-muscovite-quartz-feldspar schist with weak limonite, minor oxidized pyrite cubes, 2% quartz	3
	105	1341833	orange brown to minor greyish green biotite-muscovite-quartz-feldspar schist with weak limonite, minor oxidized pyrite cubes	3
	110	1341834	orange brown to minor light brown biotite-muscovite-quartz-feldspar schist with weak limonite along foliation	3

Line No.	Station-m	Sample No.	Description	Intensity
	115	1341835	orange brown to minor light brown, weak sericite altered biotite-muscovite-quartz-feldspar schist with weak limonite along foliation, 4% quartz	3
	120	1341836	orange brown to minor light brown biotite-muscovite-quartz-feldspar schist with weak limonite along foliation and as knots,minor oxidized pyrite cubes	3
	125	1341837	orange brown to minor light brown biotite-muscovite-quartz-feldspar schist with weak limonite along foliation and as knots,minor oxidized pyrite cubes, 3% quartz	3
KSDGP13-06	0	1341838	medium brown to bit orange muscovite biotite-chlorite-quartz-feldspar schist, weak limonite along foliation and as knots, 1% quartz along foliation	2
	5	1341839	medium brown muscovite,-chlorite-quartz-feldspar schist with weak biotite, trace limonite along foliation	2
	10	1341840	orange brown to minor light greenish-grey chlorite-muscovite-quartz-feldspar schist with weak-moderate limonite along foliation, 5% quartz	2
	15	1341841	orange brown to very minor light greenish-grey chlorite-muscovite-quartz-feldspar schist with weak-moderate limonite along foliation and as knots	2
	20	1341842	orange to rusty medium brown chlorite-muscovite-quartz-feldspar schist with weak-moderate limonite along foliation, 5% quartz	2
	25	1341843	greyish green to minor rusty medium brown muscovite-chlorite-quartz-feldspar schist with weak limonite along foliation, 2% quartz-calcite along foliation and carbonate (fizzes) along foliation	2
	30	1341844	greyish green to trace rusty medium brown muscovite-chlorite-quartz-feldspar schist with very weak limonite along foliation, carbonate (fizzes) along foliation	2
	35	1341845	orange brown to very minor light greenish-grey chlorite-muscovite-quartz-feldspar schist with weak-moderate limonite along foliation, carbonate (fizzes) along foliation	2
	40	1341846	bit rusty medium brown to light greenish-grey muscovite-chlorite-quartz-feldspar schist with weak limonite along foliation, 3% quartz	2
	45	1341847	orange brown weak biotite-muscovite-quartz-feldspar schist with weak-moderate limonite along foliation, carbonate (fizzes) along foliation	2
	50	1341848	orange brown to very minor light greenish-grey weak biotite & chlorite muscovite-quartz-feldspar schist with weak-moderate limonite along foliation, 1% quartz, carbonate (fizzes) along foliation	2
	55	1341849	light greenish-grey to minor rusty medium brown chlorite-quartz-feldspar schist with minor muscovite, weak limonite along foliation, carbonate (fizzes) along foliation	1
	60	1341850	light greenish-grey to trace rusty medium brown chlorite-quartz-feldspar schist, very trace limonite along foliation, carbonate (fizzes) along foliation	1

Line No.	Station-m	Sample No.	Description	Intensity
	65	1341851	light greenish-grey to medium brown chlorite-quartz-feldspar schist, very trace limonite on fractures, 2% quartz-calcite veins along foliation, carbonate (fizzes) along foliation	1
	70	1341852	light greenish-grey to light brown biotite-chlorite-quartz-feldspar schist, trace limonite on foliation 4% quartz veins along foliation,	1
	75	1341853	medium brown to bit greenish-grey chlorite-biotite-chlorite-quartz-feldspar schist, 5% quartz generally along foliation	1
	80	1341854	light greenish-grey chlorite-quartz-feldspar schist, carbonate (fizzes) along foliation	1
	85	1341855	greenish-grey chlorite-quartz-feldspar schist, minor quartz along foliation	1
	90	1341856	medium greenish brown chlorite-quartz-feldspar schist, minor quartz along foliation	1
	95	1341857	medium to lght greenish brown chlorite-quartz-feldspar schist, some dark brown lined vugs	1
	100	1341858	medium greenish brown chlorite-quartz-feldspar schist,minor dark brown lined vugs, 4% quartz along foliation	1
KSDGP13-07	0	1341859	medium brown, bit rusty, chlorite-quartz-feldspar schist with minor muscovite, weak limonite along foliation, minor dark brown lined vugs, 2% quartz along foliation	1
	5	1341860	medium greenish brown chlorite-quartz-feldspar schist, very weak limonite along foliation, minor dark brown lined vugs, 5% quartz along foliation	1
	10	1341861	medium greenish to bit rusty medium brown weak muscovite-chlorite-quartz-feldspar schist, trace limonite along foliation, 5% quartz	1
	15	1341862	medium greenish to rusty medium brown weak muscovite-chlorite-quartz-feldspar schist, trace limonite along foliation, some quartz along foliation	1
	20	1341863	silvery grey to medium brown weak muscovite-chlorite-quartz-feldspar schist, trace limonite along foliation, some quartz along foliation, minor brown lined vugs	1
	25	1341864	silvery grey to lesser medium brown weak muscovite-chlorite-quartz-feldspar schist, trace limonite along foliation, some quartz along foliation, minor brown lined vugs	1
	30	1341865	light greenish grey to lesser medium brown weak muscovite-chlorite-quartz-feldspar schist, 5% quartz generally along foliation	1
	35	1341866	greenish grey brown chlorite-quartz-feldspar schist, trace limonite on fractures	1
	40	1341867	greenish grey to bit rusty medium brown chlorite-quartz-feldspar schist, trace limonite some quartz generally along foliation	1
	45	1341868	medium greenish grey chlorite-quartz-feldspar schist, 7% quartz generally along foliation, some rusty, carbonate (fizzes) along foliation	1
	50	1341869	light greenish grey, bit rusty brown chlorite-quartz-feldspar schist, trace limonite on fractures, 3% quartz generally along foliation	1

Line No.	Station-m	Sample No.	Description	Intensity
	55	1341870	orange brown to minor light greenish grey muscovite- chlorite-quartz-feldspar schist, weak limonite on foliation, some quartz generally along foliation	1
	60	1341871	light greenish grey, bit rusty chlorite-quartz-feldspar schist, very trace limonite on foliation, minor quartz generally along foliation	1
	65	1341872	orange brown to minor light greenish grey muscovite- chlorite-quartz-feldspar schist, weak limonite on foliation, minor quartz generally along foliation	1
	70	1341873	greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 2% quartz generally along foliation, minor calcite	1
	75	1341874	greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 4% quartz generally along foliation, minor calcite	1
KSDGP13-08	0	1341875	bit small sample of medium greenish to dark brown chlorite-quartz-feldspar schist, trace limonite along foliation, as knots and in fractures, 3% quartz-calcite some along foliation, carbonate (fizzes) along foliation, few fines	1
	5	1341876	medium greenish to medium-dark brown chlorite-quartz-feldspar schist, weak limonite along foliation and cross cutting fractures, 4% quartz generally along foliation, few fines	1
	10	1341877	medium greenish to wee bit rusty medium brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 4% quartz (some rusty) generally along foliation, minor carbonate (fizzes) along foliation	1
	15	1341878	medium greenish to wee bit rusty medium brown chlorite-quartz-feldspar schist, trace limonite along foliation, 2% quartz along foliation, some brown lined vugs, few fines	1
	20	1341879	medium greenish to wee bit rusty medium brown chlorite-quartz-feldspar schist, trace limonite along foliation, 1% quartz along foliation, trace brown lined vugs, few fines	1
	25	1341880	bit small sample of medium greenish to wee bit rusty medium brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 2% quartz along foliation, few fines	1
	30	1341881	medium greenish to medium brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 7% quartz-calcite generally along foliation, some rusty, minor carbonate (fizzes) along foliation	1
	35	1341882	medium greenish to wee bit rusty medium brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 3% quartz-calcite generally along foliation, some rusty, minor carbonate (fizzes) along foliation , few fines	1
	40	1341883	medium greenish to dark brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 3% quartz generally along foliation, some rusty, few fines	1

Line No.	Station-m	Sample No.	Description	Intensity
	45	1341884	medium greenish to dark brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 5% quartz generally along foliation, some rusty, no detailed pic	1
	50	1341885	dark brown muck, no chip bag, no detailed pic	1
	55	1341886	medium greenish to wee bit rusty dark brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 5% quartz generally along foliation, some rusty, few fines	1
	60	1341887	medium greenish to dark brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 5% quartz, some with calcite, generally along foliation, some rusty, few fines	1
	65	1341888	medium greenish to wee bit rusty dark brown chlorite-quartz-feldspar schist, weak limonite along foliation, 2% quartz generally along foliation, some rusty, few fines	1
	70	1341889	medium greenish to wee bit rusty dark brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 8% quartz generally along foliation, some rusty, few fines	1
	75	1341890	medium greenish to bit rusty dark brown chlorite-quartz-feldspar schist, weak limonite along foliation, 4% quartz veins, some along foliation, some rusty, few fines	1
	80	1341891	medium greenish to wee bit rusty medium brown chlorite-quartz-feldspar schist, very weak limonite along foliation, 2% quartz generally along foliation, some rusty, few fines	1
	85	1341892	orange brown to bit greenish muscovite chlorite-quartz-feldspar schist, weak limonite along foliation, 4% quartz some along foliation, some rusty	3
	90	1341893	medium brown, trace rusty, to greenish-grey chlorite-quartz-feldspar schist, trace limonite along foliation, 4% quartz some along foliation	3
	95	1341894	greenish-grey to minor medium brown chlorite-quartz-feldspar schist, 2% quartz some along foliation	3
	100	1341895	greenish-grey to minor medium brown chlorite-quartz-feldspar schist, 7% quartz some along foliation	3
KSDGP13-09	0	1341896	dark greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 7% quartz generally along foliation, some rusty	1
	5		No rock, dark brown-black soil	1
	10		No rock, dark brown-black soil	1
	15	1341899	dark greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 5% quartz generally along foliation, some rusty	1
	20	1341900	medium greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 2% quartz generally along foliation, some rusty	1

Line No.	Station-m	Sample No.	Description	Intensity
	25	1341901	medium greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 1% quartz generally along foliation, some rusty	1
	30	1341902	medium greenish chlorite-quartz-feldspar schist, very trace limonite on foliation, 3% quartz generally along foliation	1
	35	1341903	medium greenish chlorite-quartz-feldspar schist	1
	40	1341904	medium greenish to medium brown chlorite-quartz-feldspar schist with minor muscovite, trace limonite as knots, 12% quartz some along foliation, minor carbonate (fizzes) along foliation	1
	45	1341905	medium greenish to medium brown chlorite-quartz-feldspar schist, very trace limonite, 1% quartz some along foliation, minor carbonate (fizzes) along foliation	1
	50	1341906	medium greenish to medium brown chlorite-quartz-feldspar schist, trace limonite along foliation, minor quartz some along foliation, minor carbonate (fizzes) along foliation	1
	55	1341907	medium greenish to medium brown chlorite-quartz-feldspar schist, trace limonite along foliation and as knots, 3% quartz-calcite some along foliation, carbonate (fizzes) along foliation	1
	60	1341908	medium greenish chlorite-quartz-feldspar schist, trace limonite along foliation, 3% quartz some along foliation, cross cutting calcite stringers, carbonate (fizzes) along foliation	1
	65	1341909	medium greenish to medium brown chlorite-quartz-feldspar schist, trace limonite along foliation, 7% quartz-calcite some along foliation, carbonate (fizzes) along foliation	1
	70	1341910	medium greenish to medium brown chlorite-quartz-feldspar schist, trace limonite along foliation, 10% quartz-calcite some along foliation, carbonate (fizzes) along foliation	1
	75	1341911	small sample of medium greenish to bit rusty medium brown chlorite-quartz-feldspar schist, weak limonite along foliation, 10% quartz-calcite some along foliation, carbonate (fizzes) along foliation	1
	80	1341912	small sample of medium greenish to dark brown chlorite-quartz-feldspar schist, trace limonite along foliation and fractures	1
	85	1341913	bit small sample of medium greenish to medium brown chlorite-quartz-feldspar schist, weak limonite along foliation and fractures, 3% quartz-calcite some along foliation, carbonate (fizzes) along foliation	1
	90	1341914	medium greenish to minor orange-brown chlorite-quartz-feldspar schist, weak limonite along foliation and fractures, 2% quartz-calcite some along foliation, cross cutting calcite stringers, carbonate (fizzes) along foliation	1

Line No.	Station-m	Sample No.	Description	Intensity
	95	1341915	medium greenish to very minor orange-brown chlorite-quartz-feldspar schist, trace limonite along foliation and in fractures, 1% quartz-calcite some along foliation, cross cutting calcite stringers, carbonate (fizzes) along foliation	1
	100	1341916	medium greenish to minor rusty brown chlorite-quartz-feldspar schist with minor muscovite, weak limonite along foliation and in knots, 2% quartz-calcite some along foliation, carbonate (fizzes) along foliation	3
KSDGP13-10	0	1341917	orange brown to bit greenish muscovite chlorite-quartz-feldspar schist, weak-moderate limonite along foliation	1
	5	1341918	medium brown to greenish-grey weak muscovite chlorite-quartz-feldspar schist, weak limonite along foliation	1
	10	1341919	orange brown to greenish chlorite-muscovite-quartz-feldspar schist, weak-moderate limonite along foliation, cross cutting calcite stringers, carbonate (fizzes) along foliation	1
	15	1341920	medium brown to greenish-grey weak muscovite chlorite-quartz-feldspar schist, weak limonite along foliation, carbonate (fizzes) along foliation	1
	20	1341921	orange-medium brown to light greenish muscovite-chlorite-quartz-feldspar schist, trace limonite along foliation, carbonate (fizzes) along foliation	1
	25	1341922	greenish-grey, with trace orange, weak muscovite chlorite-quartz-feldspar schist, trace limonite along foliation, carbonate (fizzes) along foliation	1
	30	1341923	greenish-grey to mixed orange-brown, chlorite-muscovite-quartz-feldspar schist, weak limonite along foliation, minor quartz along foliation	1
	35	1341924	orange-medium brown to light greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, 5% quartz generally along foliation	1
	40	1341925	orange brown to greenish chlorite-muscovite-quartz-feldspar schist, moderate limonite along foliation, 2% quartz generally along foliation	1
	45	1341926	bit rusty medium brown to greenish muscovite-chlorite-quartz-feldspar schist, weak-moderate limonite along foliation, 3% quartz generally along foliation	1
	50	1341927	bit rusty medium brown to greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, carbonate (fizzes) along foliation	1
	55	1341928	bit rusty medium brown to greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, minor quartz along foliation	1
	60	1341929	orange brown to greenish chlorite-muscovite-quartz-feldspar schist, weak-moderate limonite along foliation, 1% quartz generally along foliation, carbonate (fizzes) along foliation	1
	65	1341930	bit rusty medium brown to greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, 3% quartz-calcite veins, carbonate (fizzes) along foliation	3

Line No.	Station-m	Sample No.	Description	Intensity
	70	1341931	orange brown to greenish-grey minor chlorite-muscovite-quartz-feldspar schist, weak-moderate limonite along foliation, 3% quartz-calcite veins, carbonate (fizzes) along foliation	3
	75	1341932	greenish-grey muscovite-chlorite-quartz-feldspar schist, trace limonite along foliation	1
	80	1341933	orange brown to greenish-grey minor chlorite-muscovite-quartz-feldspar schist, weak-moderate limonite along foliation, minor quartz-calcite veins, carbonate (fizzes) along foliation	3
	85	1341934	greenish to wee bit rusty medium brown muscovite-chlorite-quartz-feldspar schist, very weak limonite along foliation, 7% quartz and quartz-calcite veins, carbonate (fizzes) along foliation	3
	90	1341935	bit rusty medium brown to greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, 10% quartz and quartz-calcite veins	3
	95	1341936	orange-brown to greenish muscovite-chlorite-quartz-feldspar schist, weak limonite along foliation, 6% quartz veins generally along foliation	3
	100	1341937	orange-brown muscovite-quartz-feldspar schist, moderate limonite along foliation and as knots, 35% quartz veins, some rusty	3

Appendix X
Invoices

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver, BC V6E 3T5
CANADA

Invoice Date: July 29, 2013
Invoice Number: **VANI172587**
Submitted by: Gerry Carlson
Job Number: WHI13000111
Order Number:
Project Code: KSD
Shipment ID: KSD-Soil2013-001
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	315	$1.88	$592.20
2	1DX2	15g Aqua Regia digestion ICP-MS	320	$15.96	$5,107.20
3	STOR-PLP	3 months of pulp storage	320	$0.60	$192.00
4	DIS-PLP	Warehouse handling of pulps	320	$0.10	$32.00
			Net Total		$5,923.40
			Canadian GST		$296.17
			Grand Total	**CAD**	**$6,219.57**

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to: Acme Analytical Laboratories (Vancouver) Ltd., 9050 Shaughnessy St. Vancouver BC, V6P 6E5
Please specify Acme invoice number on cheque remittance.

For **electronic payment**s, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver, BC V6E 3T5
CANADA

Invoice Date: July 29, 2013
Invoice Number: **VANI172583**
Submitted by: Gerry Carlson
Job Number: WHI13000112
Order Number:
Project Code: KSD
Shipment ID: KSD-Soil2013-001
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	147	$1.88	$276.36
2	1DX2	15g Aqua Regia digestion ICP-MS	148	$15.96	$2,362.08
3	STOR-PLP	3 months of pulp storage	148	$0.60	$88.80
4	DIS-PLP	Warehouse handling of pulps	148	$0.10	$14.80
			Net Total		$2,742.04
			Canadian GST		$137.10
			Grand Total	**CAD**	**$2,879.14**

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to: Acme Analytical Laboratories (Vancouver) Ltd., 9050 Shaughnessy St. Vancouver BC, V6P 6E5
Please specify Acme invoice number on cheque remittance.

For **electronic payment**s, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

GROUND TRUTH EXPLORATION INC.

INVOICE

Box 70
Dawson City, Yukon Y0B 1G0
Phone 1-867-993-5612 Fax 1-867-993-5617

DATE: Aug 14, 2013

INVOICE #: GT-PEX2013-03

Bill To:
Pacific Ridge Exploration Ltd.
1100-1199 West Hastings St.
Vancouver, BC
V6E 3T5
Att: Gerry Carlson

For:
IP Survey July 24 - Aug 9, 2013

DESCRIPTION	AMOUNT
KSD Project: IP Survey Program	
20 Profiles IP/Resistivity	$54,534.00
14 Profiles completed on King Zone	
6 Profiles completed on Prince Zone	
See Attached Breakdown and Summary Table.	

GST #81108 4268 RT0001	SUBTOTAL	$	54,534.00
	GST		5.00%
Make all cheques payable to:	SALES TAX	$	2,726.70
Ground Truth Exploration Inc.			
THANK YOU FOR YOUR BUSINESS!	**TOTAL**	$	57,260.70

GroundTruth Exploration: KSD IP Survey Project

GT-PEX2013-03 T.Henderson, Aug 14/2013

Summary: MOB from Dawson to KSD Property July 24 - Aug 9. Crew worked full day Aug 9 and demobbed at end of day.

Pickup grocery order + resupply IP crew July 30, 2013

			Rate	Unit	Total	Description
	Wages (per person):					
1	1 Geophysical Operator * $450/day	$450/day	$450.00	16	$7,200.00	
2	4 Field Assistants * $350/day	$1400/day	$1,400.00	16	$22,400.00	
3	Daily Data Processing: Download/QC, merge DGPS, Package and email to client, 1h@$60/h	$60/day	$60.00	16	$960.00	
4	I.Fage: 4hrs of prep, 20hrs of 3D plotting and section plots @ $60/hour	$60/hour	$60.00	4	$240.00	I.Fage plotting for project
5	Travel rate	$250/day	$250.00	5	$1,250.00	Mobe 5 man IP crew from Dawson to KSD Property
6	Packing and Prep	$250/day	$250.00	2	$500.00	Prep for KSD
7	Weather rate:	$250/day	$250.00	0	$0.00	
8	Stat Holiday					
	Survey Equipment:					
9	IP/Resistivity Meter: Supersting 8 Channel meter w/cables, electrodes	$600/day	$600.00	16	$9,600.00	
10	Precision GPS: Ashtech Promark 100 differential GPS	$75/day	$75.00	16	$1,200.00	
11	Laptop w/Inversion and Mag processing software for nightly dowload and review	$50/day	$50.00	16	$800.00	
12	Iridium Sat Phone	$35/day	$35.00	16	$560.00	
13	Satellite Internet	$25/day	$25.00	16	$400.00	
14	Chainsaw	$50/day	$50.00	16	$800.00	
15	Radios $5/day * 5	$25/day	$25.00	16	$400.00	
	Accommodation and Food:					
16	Food: Crew of 5 * $50/day	$250/day	$250.00	16	$4,000.00	
17	Camp: Crew of 5* $35/day	$175/day	$175.00	16	$2,800.00	
	Consumable Supplies					
18	Stainless Electrodes: wear & tear- 2 per profile, $6 ea	$12/day	$12	16	$192.00	
19	Calcium Chloride: 4kg per profile, $2/kg	$8/day	$8	16	$128.00	
20	Pickets, 9 per profile, $1/picket	$9/day	$9	16	$144.00	
21	Spray paint: 1 can per profile, $10/can	$10/day	$10	16	$160.00	
	Additional Expenses:					
22	Expediting - Full truck included	$75/hr	$75.00	4	$ 300.00	Pickup grocery order and resupply KSD IP crew
23	Truck + Trailer	$250/day	$250.00	2	$ 500.00	Mobe + demobe IP crew with GT truck + trailer
		Total			**$54,534.00**	

GROUND TRUTH EXPLORATION INC.

INVOICE

Box 70
Dawson City, Yukon Y0B 1G0
Phone 1-867-993-5612 Fax 1-867-993-5617

DATE: Aug 30, 2013

INVOICE #: GT-PEX2013-04

Bill To:
Pacific Ridge Exploration Ltd.
1100-1199 West Hastings St.
Vancouver, BC
V6E 3T5
Att: Gerry Carlson

For:
KSD Geoprobe Program Aug 5 - 18th, 2013

DESCRIPTION	AMOUNT
KSD Project: Geoprobe Program	
Geoprobe crew based on KSD Property Aug 5 - 18th, 2013	
224 samples were collected on the KSD Property	$33,657.80
See Attached Breakdown and Summary Table.	

GST #81108 4268 RT0001	SUBTOTAL	$	33,657.80
	GST		5.00%
Make all cheques payable to:	SALES TAX		1,682.89
Ground Truth Exploration Inc.			
THANK YOU FOR YOUR BUSINESS!	**TOTAL**	$	35,340.69

GroundTruth Exploration: KSD Geoprobe Project

GT-PEX2013-04 T.Henderson, Aug 30/2013

Summary: Geoprobe crew based on KSD property Aug 5 - 18th, 2013. Crew had 1 resupply on Aug 12th.
Crew demobbed from KSD on Aug 18th with GTE truck + trailer.

			Rate	Unit	Total	Description
	Wages (per person):					
1	Geoprobe Lead Operator	$400/day	$400.00	12	$4,800.00	
2	Geotech/XRF Operator Field Assistant	$400/day	$400.00	12	$4,800.00	
3	Line Cutter/GPS Operator/Sampling Assistant	$375/day	$375.00	12	$4,500.00	
4	Travel rate	$250/day	$250.00	4.5	$1,125.00	Aug 4th split with other client on previous work program
5	Packing and Prep	$250/day	$250.00	0	$0.00	
6	Weather rate:	$250/day	$250.00	0	$0.00	
7	Stat Holiday				$0.00	
	Data Management and Processing Services					
8	GIS/Job Layout/Mapping/Results Plotting:	$75/hour	$75.00	0	$0.00	
9	Daily Data Processing: Download/merge Handheld,DGPS,XRF,Camera, 1h @ $60/h	$60/hour	$60.00	12	$720.00	
10	Database Management/Chain of Custody, Barcoded Samples:	$0.50/sample	$0.50	224	$112.00	
11	QA/QC Standard and Blank Material and Standardized Insertion	$0.20/sample	$0.20	224	$44.80	
12	Georeferenced Sample and Sample Site Photos	$1/sample	$1.00	224	$224.00	
	Consumable Sampling Supplies and Gear:					
13	Fuel: 40l/day @ 1.55/l	$62.00/day	$62.00	12	$744.00	
14	*Sampling Supplies: Ore bags,Barcode Tags,Rice Bage, Security Seals, Retention sample bags, flagging,*	$2.00/sample	$2.00	224	$448.00	
	binder to catalog retention samples, spray paint - $2/sample (estimate 20 holes/day)					
	Equipment Rental (per unit,per day):					
15	Geoprobe: Heliportable, Trackmounted Bedrock interface sampler	$600/day	$600.00	12	$7,200.00	
16	Field Portable XRF: Innovx Delta Handheld	$250/day	$250.00	12	$3,000.00	
17	Truck Rental: Fuel extra	$150/day	$150.00	1.5	$225.00	
18	Fuel	$0.65/km	$0.65	0	$0.00	
19	Flat Deck Trailer: 10,000lb , 20ft	$100/day	$100.00	1.5	$150.00	
20	Chainsaw Kit	$50/day	$50.00	12	$600.00	
21	Iridium Satellite Phone: 1 per crew, charge 10 min/day	$20/day + min	$35.00	12	$420.00	
22	Radio: ICOM Handheld: 1 per sampler	$5/day	$5.00	36	$180.00	
23	Laptop with software for nightly dowload, merge XRF and email	$50/day	$50.00	12	$600.00	
24	Handheld data logger/Camera, DGPS	$15/day	$15.00	12	$180.00	
25	Camp Satellite Internet	$25/day	$25.00	12	$300.00	
	Accommodation and Food:					
26	Cook/OFA III First Aid Attendant + Kit: only when required	$50/ man / day	$50.00	0		
27	Remote Camp Fee: Full fly camp/kitchen/generator	$35/ man / day	$35.00	36	$1,260.00	
28	Dawson Accomodation Fee: Samplers based in Dawson	$35/ man / day	$35.00	0		
29	Food	$50/ man / day	$50.00	36	$1,800.00	
30	Hotel Room and Board	cost + %10				
	Expediting:					
31	Expediting Services: Full size truck included	$75/hour	$75.00	3	$225.00	Resupply food + water
32	Expediting Services: Labour only	$40/hour	$40.00	0	$0.00	
	Additional Expenses:					
33		cost + 10%				
		Total			**$33,657.80**	

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver, BC V6E 3T5
CANADA

Invoice Date: August 29, 2013
Invoice Number: **VANI175310**
Submitted by: Gerry Carlson
Job Number: WHI13000294
Order Number:
Project Code: KSD
Shipment ID: KSDGP13-001
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	R200-250	Crush and Pulverize 250 g	152	$5.76	$875.52
2	R200-250	Overweight prep charges per 100g	85	$0.06	$5.44
3	ASSAY3	Group 1DX + Group 6 Au	158	$24.44	$3,861.13
4	STOR-PLP	3 months of pulp storage	158	$0.60	$94.80
5	DIS-PLP	Warehouse handling of pulps	158	$0.10	$15.80
6	DIS-RJT	Warehouse handling of reject	152	$0.25	$38.00
			Net Total		$4,890.69
			Canadian GST		$244.53
			Grand Total	**CAD**	**$5,135.22**

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to: Acme Analytical Laboratories (Vancouver) Ltd., 9050 Shaughnessy St. Vancouver BC, V6P 6E5
Please specify Acme invoice number on cheque remittance.

For **electronic payment**s, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St.
Vancouver, BC Canada V6P 6E5
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Bill To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver, BC V6E 3T5
CANADA

Invoice Date: September 17, 2013
Invoice Number: **VANI176909**
Submitted by: Gerry Carlson
Job Number: WHI13000375
Order Number:
Project Code: KSD
Shipment ID: KSDGP-13-002
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	R200-250	Crush and Pulverize 250 g	76	$5.76	$437.76
2	R200-250	Overweight prep charges per 100g	26	$0.06	$1.66
3	ASSAY3	Group 1DX + Group G601	80	$24.44	$1,955.20
4	STOR-PLP	3 months of pulp storage	80	$0.60	$48.00
5	DIS-PLP	Warehouse handling of pulps	80	$0.10	$8.00
6	DIS-RJT	Warehouse handling of reject	76	$0.25	$19.00
			Net Total		$2,469.62
			Canadian GST		$123.48
			Grand Total	**CAD**	**$2,593.10**

Invoice Stated In Canadian Dollars

Payment Terms:

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to: Acme Analytical Laboratories (Vancouver) Ltd., 9050 Shaughnessy St. Vancouver BC, V6P 6E5
Please specify Acme invoice number on cheque remittance.

For **electronic payment**s, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
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Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.
For any enquiries please contact us: AccountReceivable.VAN@acmelab.com