

ASSESSMENT REPORT

describing

2009 SOIL SAMPLING, PROSPECTING AND EXCAVATOR STRIPPING

at the

CONNAUGHT PROJECT

CN 1-120	YC44099-YC44218
125-162	YC44219-YC44256
167-178	YC44257-YC44268
189-198	YC44269-YC44278
199-202	YC62938-YC62941
203-216	YC63043-TC63056
NC 1-8	YC44412-YC44419
13-32	YC44220-YC44439
Mag 1-4	YC36338-YC36341
5-24	YC36806-YC36825

located at

NTS 115N/15

Latitude 63°55'N; Longitude 140°48'W

Dawson Mining District

Yukon, CANADA

for

KLONDIKE SILVER CORP.

and

ATAC RESOURCES LTD.

prepared by

William D. Mann, M.Sc., P.Geo.

April 2010

Field Work Performed September 8 – 26, 2009

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INTRODUCTION

The Connaught project hosts an extensive system of silver-lead-gold veins located in the Sixtymile placer gold camp of western Yukon Territory. The project is comprised of 226 CN and NC claims, which are owned by a 50-50 joint venture between ATAC Resources Ltd. and Klondike Silver Corp., and 24 Mag claims, which are under option to ATAC and Klondike Silver from an independent prospector (the Nordling Option). The companies can collectively earn a 100% interest in the Mag claims subject to a Net Smelter Return royalty (NSR) payable to the prospector.

This report describes a program of soil sampling, prospecting and excavator stripping performed by the author on behalf of Klondike Silver and ATAC between September 8 and 26, 2009. The author supervised the program and participated in the work. The Statement of Qualifications appears in Appendix II. This report extracts extensively, with minor modifications from the 2008 assessment report (Eaton & Mundhenk, 2009).

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Connaught project consists of 250 contiguous mineral claims located in western Yukon at latitude 63°55' north and longitude 140°48' west on NTS map sheet 115N/15 (Figure 1). The claims are all registered with the Dawson Mining Recorder. The CN and NC claims are filed in the name of Archer Cathro, which holds them in trust for the joint venture. The Mag claims are registered to R. Nordling, the prospector who owns them. Claim data are listed below while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
CN 1-120	YC44099-YC44218	May 26, 2020
125-162	YC44219-YC44256	May 26, 2020
167-178	YC44257-YC44268	May 26, 2020
189-198	YC44257-YC44268	May 26, 2020
199-202	YC62938-YC62941	May 26, 2019
203-216	YC63043-YC63056	May 26, 2017
NC 1-8	YC44412-YC44419	May 26, 2020
13-32	YC44220-YC44439	May 26, 2020
Nordling Option		
Mag 1-4	YC36338 YC36341	March 1, 2016
5-24	YC36806-YC36825	March 1, 2016

* Expiry dates include 2009 work which has been filed for assessment credit but not yet accepted.

The property lies 65 km due west of Dawson City and can be reached by four wheel drive vehicle via the Sixtymile Road, which runs south from the Top of the World Highway. An extensive system of bush roads and trails exist on the property but to reach them, the Sixtymile River must be forded. During spring runoff and following major storms, this ford is sometimes impassable. The Top of the World Highway extends west from Dawson City into Alaska. It is

**KLONDIKE SILVER CORP.
ATAC RESOURCES LTD.**

FIGURE 1

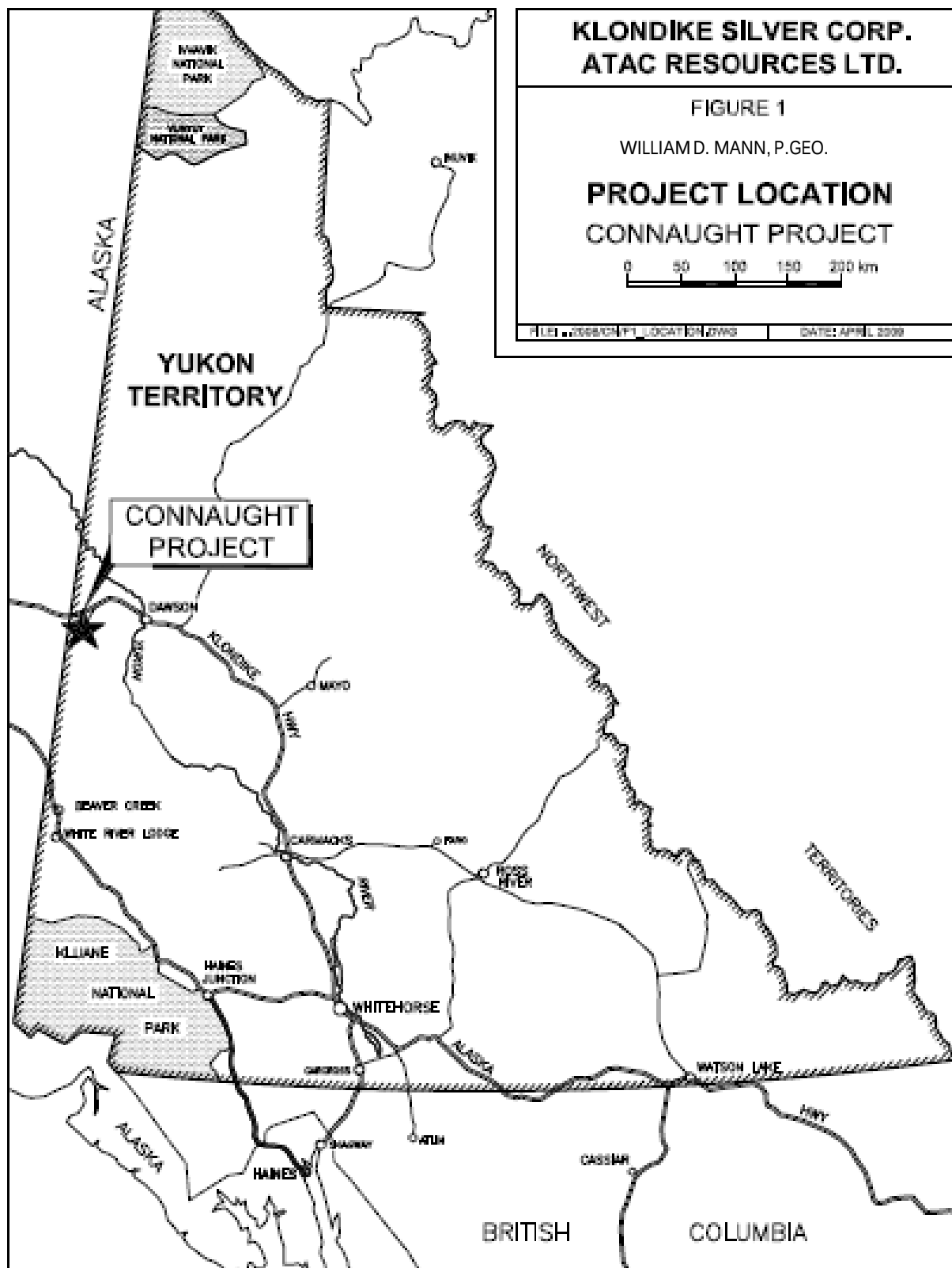
WILLIAM D. MANN, P.GEO.

**PROJECT LOCATION
CONNAUGHT PROJECT**

0 50 100 150 200 km

FILE: 0055801.P1 LOCATION.DWG

DATE: APRIL 2008



open during summer and fall when the ferry across the Yukon River is in service. Dawson City is situated 536 km by road north of Whitehorse, the Yukon's main supply centre, and is reached via the all-season Klondike Highway. Helicopters are based in Dawson City but were not utilized during the 2009 exploration program.

PREVIOUS WORK

This section summarizes pre-2009 exploration activities in the Connaught project area. Figure 3 illustrates the locations of veins and soil geochemical grids described in the following paragraphs.

Although silver-lead-gold veins were likely found in the Sixtymile area in the late 1890s, the first reported discovery was made by J. Lerner and M. Chefkoi in 1965. Their exploration consisted of "cold extraction" soil geochemistry and prospecting, which led to claim staking. Lerner and Chefkoi optioned the claims to A. Moisey, who later transferred them to the Sixtymile Mining Company Ltd.

In 1966 and 1967, Sixtymile Mining carried out bulldozer trenching and electromagnetic (EM) surveys. The trenching uncovered substantial lenses of massive galena on the No. 1 and No. 3 veins. In summer 1966, a total of 22.7 tonnes of hand sorted material was collected from open cuts on the No. 1 and No. 3 veins, and shipped to the Cominco smelter at Trail, BC (Harper, 1967). This shipment averaged 2297 g/t Ag, 67.3% Pb and 2.1 g/t Au (Cholach, 1969).

During 1968 and 1969, the property was held under option by Connaught Mines Ltd, which completed geological mapping, geochemical sampling, 35,200 m³ of bulldozer trenching and 431.8 m of diamond drilling in eight holes (Archer, 1969 & Cholach, 1969). The 1969 soil sampling covered much of the property - 10,542 soil samples collected on 225 claims were analyzed for Pb, Cu and Mo. This work generated new silver-lead targets and also identified strong copper response in irregular clusters away from the veins. Bulldozer trenching on the geochemical anomalies led to the discovery or delineation of more vein zones, including the No. 4, No.5 & 6, No. 7, No. 8 and No. 9. Six of the diamond drill holes tested the No. 1 Vein and the other two holes explored the No. 3 Vein. Most of the holes intersected variably mineralized vein structures (Cholach, 1969). Skarn alteration was noted in several locations, with weak mineralization. Some weakly galena bearing quartz- arsenopyrite veins were discovered by bulldozer trenching in this program, but not sampled or named.

In 1976, Connaught Mines transferred its interest to A. Tottrup, who optioned the property to J. Lerner. That summer J. Lerner extracted an additional 218 tonnes of ore from shallow pits on the No. 1 and No. 3 Veins and shipped it to the Asarco smelter in East Helena, Montana. Combined, the 1966 and 1976 shipments totalled 240.7 tonnes at an average grade of 2228.5 g/t Ag, 60% Pb and 1.0 g/t Au.

In 1979, A. Tottrup re-optioned the claims to Westley Mines Ltd. but there is no record of work by that company and the option was dropped after one year.

In 1981, J. Lerner staked sixteen additional claims. The entire claim block was then sold to Loughheed Resources Ltd., which cut trenches on the No. 1 Vein totalling 4134 m³. These trenches were not mapped or sampled until 1982 due to an early snowstorm. The claims were held in good standing by Loughheed Resources for four years but were allowed to lapse in 1986.

In spring 1987, Walhalla Exploration Ltd. restaked the core of the property and optioned the claims to Croesus Resources Inc., which sub-optioned part of the claim block to Red Fox Minerals Ltd. and Kelan Resources Ltd. Aurum Geological Consultants Inc. was contracted to conduct an exploration program that consisted of geological mapping, geochemical sampling (2,545 samples analyzed for Au, Ag, Pb, Sb & As), geophysical surveys and bulldozer trenching (Price, 1988 and Keyser, 1988). A petrographic examination of ore specimens is included as an appendix in the Keyser report. In 1988 Kelan Resources and Croesus Resources completed 315.8 m of diamond drilling in ten (very short) holes. Three of the holes tested the No. 9 Vein, which is on claims that adjoin the Connaught project but which are owned by another party (see Figures 2 and 3). Another of the holes tested the No. 8 Vein and the other six holes explored beneath a magnetite skarn. It is worth noting that two of the holes were not analyzed despite favourable geological descriptions. Both the No. 8 Vein and magnetite skarn are now covered the Mag claims, which comprise the Nordling Option. Also in 1988, Red Fox Minerals drilled a total of 296.4 m in eight holes on the No. 4 Vein. Results from the drilling were not considered to be encouraging and all of the claims were allowed to lapse. Gold in soil did not correlate well with any of the other elements analyzed.

In 1998, 17363 Yukon Inc. restaked the main showings and surrounding area. It conducted minor prospecting and geochemical sampling before contracting Equity Engineering Ltd. to perform geological mapping and geochemical sampling across the known veins and showings (Harris, 1998).

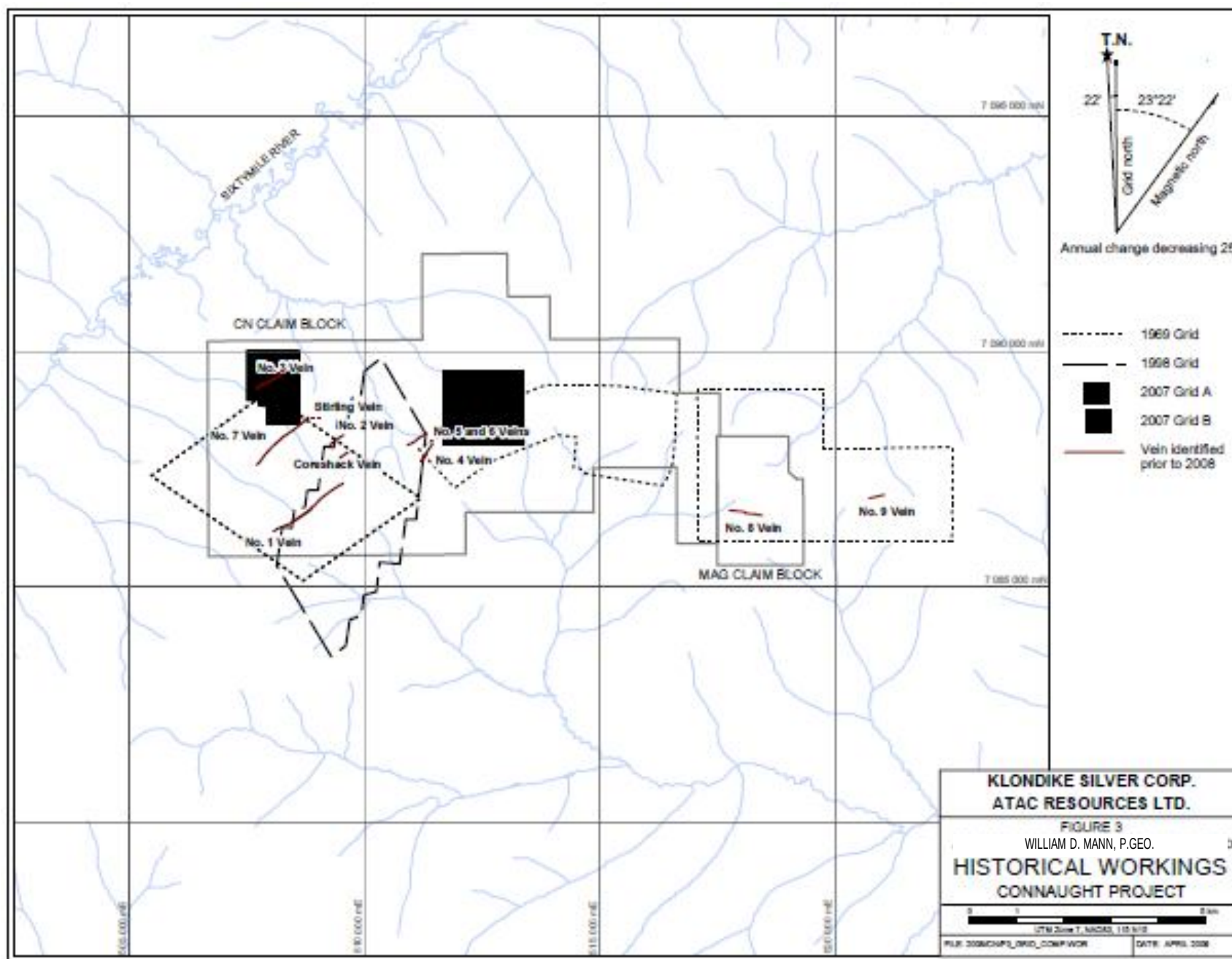
In 2005, R. Nordling staked the Mag claims.

In spring 2006, the CN and NC claims were staked by ATAC, which immediately optioned them to Klondike Silver. A property-wide helicopter borne VTEM survey was flown that summer.

In 2007, Klondike Silver performed prospecting, soil sampling, excavator trenching and 556 m of diamond drilling in seven holes (Wengzynowski, 2008). Soil sampling totalling 1621 samples was conducted on two grids (referred to as Grids A and B) to follow up anomalies from earlier soil geochemical surveys and from the VTEM survey. Samples from both grids yielded positive results. Trenching led to the discovery of a new vein (Stirling Vein) and the formal recognition of another, previously identified structure (Core Shack Vein). Diamond drilling confirmed down dip continuity of mineralization at the No. 1, No. 3, and No. 4 veins.

In fall 2007, ATAC and Klondike Silver optioned the Mag claims from R. Nordling.

In 2008 ATAC and Klondike Silver continued with soil sampling, excavator trenching and excavator stripping of veins. 4,000 soil samples were collected in 3 grids, and analyzed for 34 elements, but not for gold. Prospecting and excavator trenching extended some known veins and resulted in the discovery of the AC/DC, Ice, Rain and PP veins. 41 trenches were excavated on



10 targets, with only 36 reaching bedrock due to permafrost. 254 rock samples were analyzed. Parts of the No. 1, No. 7, Stirling and No. 8 veins were stripped in preparation for bulk sampling.

GEOMORPHOLOGY AND VEGETATION

The Connaught project is situated in the Klondike Plateau ecoregion, part of the Boreal Cordillera ecozone (Smith, 2004). The property lies about 45 km southwest of the Tintina Trench. The area features rounded ridges and low peaks, which represent the top of an ancient peneplane that has been deeply incised by dendritic drainages. Continental ice sheets did not cover the area but there is evidence of localized alpine glaciation. The property is drained by creeks that flow into the Sixtymile River, part of the Yukon River watershed.

Local elevations range from about 800 m alongside the Sixtymile River to 1500 m atop a ridge near the centre of the claim block. Terrain is subdued with gentle to moderately steep hillsides flanking broad, rounded hilltops. Outcrop is rare and is mostly confined to ridge crests. In areas where drilling had been done, the rocks are typically weathered to about 30 m below surface (Cholach, 1969). Soil development is good but there has been considerable solifluction on hillsides.

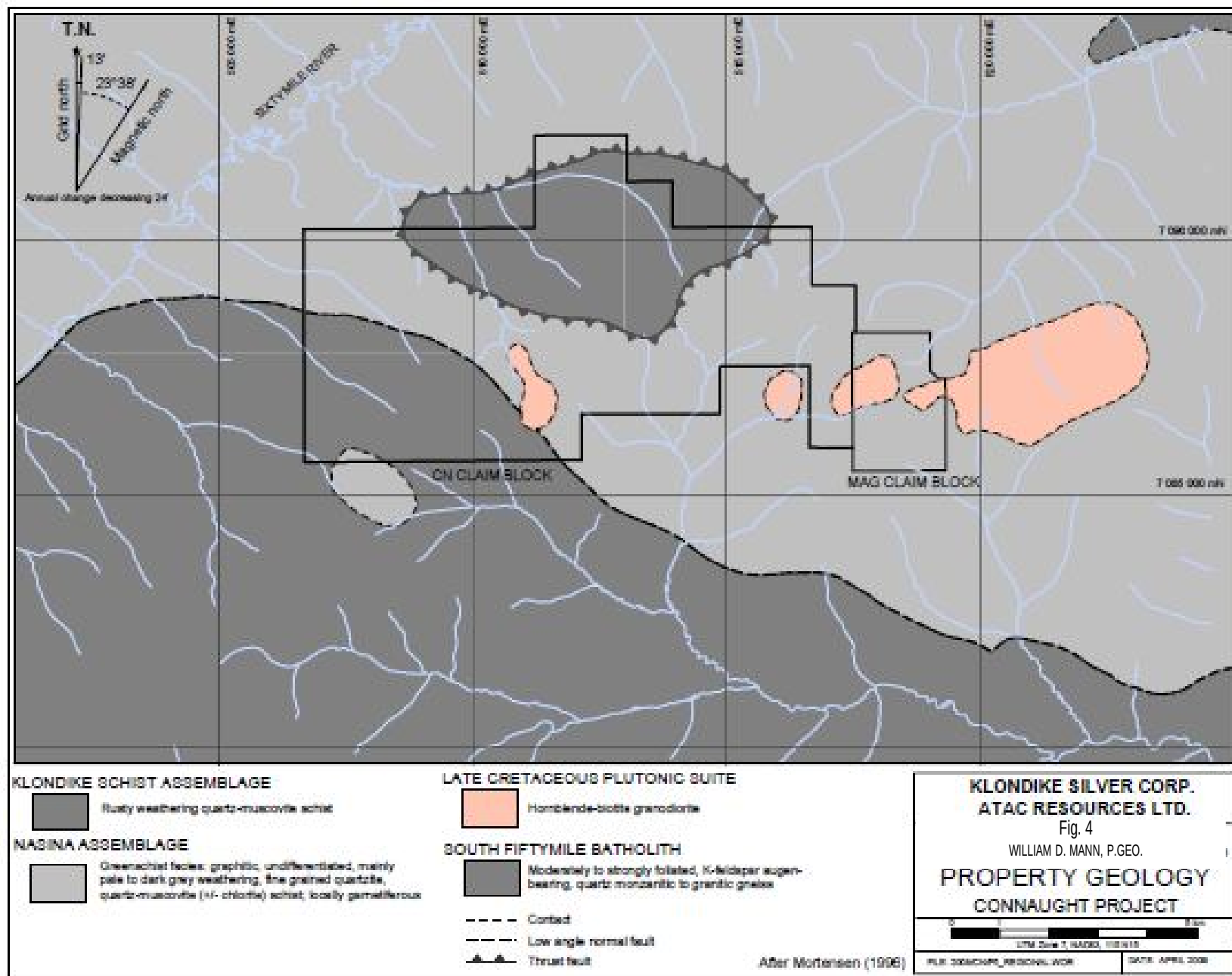
Vegetation varies from mature spruce and poplar forests on the floor of the Sixtymile River valley to sparse, stunted spruce and buckbrush near ridge tops. South and west facing slopes support grasslands. The project lies within the zone of extensive discontinuous permafrost, with north and east facing slopes that are often moss covered and permanently frozen. This presents a significant obstacle to soil sampling, trenching and road construction. The southern part of the property was extensively burned by a wildfire in the summer of 2009.

GEOLOGY

Geology in the vicinity of the Connaught project was most recently mapped by Mortensen (1996) and put into broader context by Gordey and Makepeace (1999). The Yukon Tanana Terrane has been recently examined and compiled as a whole (Colpron, 2006).

The property lies between the Tintina and Denali Faults within a part of Yukon that is mostly underlain by Yukon-Tanana Terrane. That tectonic terrane is composed of continental margin sediments, island arc volcanics and coeval intrusions, which were metamorphosed and deformed during accretion to the North American continent during Mesozoic times. In the Sixtymile district, the Yukon-Tanana Terrane is subdivided into two stratigraphic elements (the Nasina and Klondike Schist Assemblages) and a metaplutonic package (the South Fiftymile Batholith). The Yukon-Tanana units are intruded by undeformed, Late Cretaceous plugs and stocks.

The geology in the vicinity of the Connaught project can be divided into two main domains. The south-eastern domain is mostly underlain by the South Fiftymile Batholith while the north-western domain contains supracrustal rocks of the Nasina and Klondike Schist Assemblages (Figure 4). The major lithological units are briefly summarized in the following paragraphs.



The **Nasina Assemblage** comprises Late Devonian to Mid-Mississippian fine grained, moderately to non-carbonaceous, quartz-muscovite-chlorite schist and quartzite with locally abundant interlayered mafic schist and amphibolite. In the Sixtymile River area, some higher grade metamorphic equivalent rocks are also present including coarse grained, locally garnetiferous biotite-quartz-muscovite schist and amphibolite. Recent regional compilations have considered this unit to be volcanic lithofacies of the **Finlayson Assemblage**.

The **Klondike Schist Assemblage** comprises a variety of Middle to Upper Permian felsic schists of volcanic affinity. Micaceous quartzite and quartz-feldspar-muscovite-biotite schist are commonly interlayered with the felsic schist. This assemblage forms a klippen that has sits atop the Nasina Assemblage.

The **South Fiftymile Batholith** is an Early Mississippian granitic orthogneiss that contains coarse potassium feldspar augen. These rocks are believed to be separated from Nasina Assemblage strata by a shallow north-easterly dipping normal fault. This unit is considered to be part of the Late Devonian to Early Mississippian **Grass Lakes Suite** (ca. 357 – 365 Ma).

A string of **Late Cretaceous Plugs and Stocks** of the **Seagull Suite** (ca. 95 – 98 Ma) intrude the Nasina Assemblage and South Fiftymile Batholith in the southern and eastern parts of the project area. These plutons consist of fine to medium grained, equigranular biotite-hornblende quartz monzonite and granodiorite. A dyke that is likely related to this suite is seen in the highwall of the No. 3 Vein pit.

The dominant foliation in the metamorphic sequences strikes 150° and dips 31° to the northeast (Cholach, 1969).

A number of large-scale, north-easterly trending normal faults are present in the region. The Sixtymile River valley bottom may mark the centre of a graben (Mortensen pers. comm.). Fifteen major vein structures have been identified in the vicinity of the property. These veins form two sets: one striking east-north-easterly and the other north-northeasterly.

MINERALIZATION

Connaught project area has mostly been explored as a high-grade silver-lead±gold vein prospect modelled after the highly productive mines in the Keno Hill district, located about 250 km to the east. Some exploration has also been directed to skarn mineralization on ground now covered by the Nordling Option and porphyry copper mineralization on adjoining claims to the east (Lornex Capital claims on Figure 2). Placer gold has been mined from many creeks in the area for over 100 years. The property lies within the Tintina Gold Belt, and (arguably?) at the north-western end of the White Gold District.

Fourteen main veins are known on claims held by Connaught project (Figure 3). These vein zones are hosted by dilatent fault structures up to several metres in thickness. Individual veins have been traced for lengths in excess of 260 m and most are open in both directions along strike. Typical vein exposures consist of multiphase quartz that is variable mineralized with blebby to massive arsenopyrite+galena±chalcopyrite ± covellite ± stibnite±sulphosalts. Massive

galena±anglesite lenses are intermittently exposed in the core of some veins. The galena is usually coarsely cubic and contains scattered blebs of chalcopyrite. Anglesite weathered surfaces often exhibit botryoidal textures and some show shear textures. The veins and their selvages are usually light coloured compared to the surrounding units and are often tinted green, because of oxidization of arsenopyrite to scorodite and sericitization of mafic minerals. Bleached phyllic- and argillic-altered halos extend up to six metres into adjacent wallrocks.

The No. 1, 3, 8 and Stirling veins strike 050 to 094° and dip subvertically to 070° to the south, while the No. 2, 4, 5, 6, 7 and Core Shack veins strike 020 to 038° and dip steeply toward the west or east (Harris, 1998).

Historical data concerning individual veins are summarized in the following paragraphs.

The **No. 1 Vein** has been delineated by 32 bulldozer trenches for roughly 200 m along strike (Cholach, 1969) but it is inferred to continue for an additional 1000 m based on anomalous lead-in-soil geochemistry. The surface trace is marked by a subtle linear gully that is evident intermittently along a talus covered, northwest facing slope. The host rocks are gently northeast dipping orthogneiss of the South Fiftymile Batholith with narrow layers of coarse biotite-muscovite schist. The vein strikes northeast and has a sub-vertical dip.

Mineralization is dominated by pale green- and yellow-stained, sulphosalt bearing quartz. This material is exposed in all trenches excavated across the vein and ranges in width from 30 cm to 4 m. Four semi-massive to massive galena lenses occur in the core of the vein along a 125 m strike length.

The largest and most continuous of the galena lenses is at the northeast end of the vein exposure, on the floor of the historical bulk sample pit. This lens is approximately 67 m long. The galena lens frequently bifurcates from a single wide band into multiple narrow stringers. In 2007, detail sampling was conducted along this lens. The pit from which most of the bulk sample was collected was not re-examined in 2008 because it was filled with water. Table I contains results from the sampling across the No. 1 Vein.

Table I: No. 1 Vein - Historical Chip Sample Results

Marker (m NE)	From-To (m SE)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
0.00	0.00-1.00	1.00	9.3	0.55	0.047
0.00	1.00-1.16	0.16	57.1	3.31	2.04
0.00	1.16-1.32	0.16	2410	75.71	0.071
0.00	1.32-1.77	0.45	96.6	5.59	3.74
0.00	1.77-2.77	1.00	2.9	0.21	0.032
2.40	0.00-0.28	0.28	96.6	3.27	1.32
2.40	0.28-0.32	0.04	2550	74.62	0.142
2.40	0.32-0.97	0.65	394	7.64	0.279
4.80	0.00-1.00	1.00	3.6	0.09	0.007
4.80	1.00-2.50	1.50	11.7	0.40	0.746
7.20	0.00-0.29	0.29	18.8	0.27	2.62
25.00	0.00-1.20	1.20	4.6	0.21	0.026

25.00	1.20-1.50	0.30	86.5	11.60	4.93
25.00	1.50-2.60	1.10	2.1	0.56	0.01
31.50	0.00-1.03	1.03	6.5	0.14	0.142
37.00	0.00-0.35	0.35	9.9	0.25	0.041
37.00	0.35-0.65	0.30	1685	58.26	0.651
37.00	0.65-1.10	0.45	207	5.00	3.41
41.00	0.00-0.83	0.83	38.7	0.92	0.224
45.00	0.00-0.21	0.21	205	18.15	9.710
45.00	0.21-1.51	1.30	36.5	0.94	0.041
49.50	0.00-0.08	0.08	605	16.75	10.90
53.50	0.00-0.08	0.08	374	17.40	1.115
55.00	0.00-0.22	0.22	1620	47.78	3.37
57.00	0.00-0.25	0.25	499	22.68	5.09
57.00	0.25-0.35	0.10	199	1.35	5.93
57.00	0.35-2.05	1.70	20.7	0.12	0.095
62.50	0.00-1.10	1.10	60.3	2.75	1.915
62.50	1.10-1.30	0.20	2130	64.72	0.099
62.50	1.30-2.05	0.75	736	25.28	2.03
67.00	0.00-0.75	0.75	18.9	1.36	0.153
67.00	0.75-1.85	1.10	63.9	0.92	0.481
67.00	1.85-4.85	3.00	4.4	0.15	0.008
67.00	4.85-5.85	1.00	0.5	0.02	0.003

Two excavator trenches located 55 m northeast along strike of the main lens exposed the vein where it contains manganiferous clay gouge and crushed quartz, but no visible galena or sulphosalt mineralization. The best chip sample from these trenches yielded 51.90 g/t Ag, 0.78 % Pb and 0.016 g/t Au over 0.56 m.

The **No. 2 Vein** has been exposed for a strike length of about 90 m along a 030° trend. It exhibits steep southerly dips averaging 76°. This vein has a composition similar to the No. 1 Vein but it has stronger wallrock alteration, with a bleached halo that extends up to six metres into the footwall rocks. Much of the trenching was done in 1987, with detailed mapping and sampling (Kyser, 1988). No excavator trenching was done across this vein in 2007, 2008 or 2009. Select historical samples documented by Harris, (1998), appear in Table II.

Table II: No. 2 Vein - Select Historical Results

Sample Type	Width (m)	Ag (g/t)	Pb %	Au (g/t)
Chip	0.50	93.0	2.44	1.50
Specimen	n/a	13.8	0.19	3.23
Specimen	n/a	2150	67.20	n/a
Chip	0.68	1365	35.60	0.74
Specimen	n/a	576	n/a	3.59

The **No. 3 Vein** is the most north-westerly vein on the property. It has been outlined by trenching for roughly 100 m along a 067° trend. It has steep southerly dips between 70 and 79°. The best mineralization is exposed at surface along a 10 m strike length where massive galena occurs with subordinate arsenopyrite and pyrite plus traces of covellite, in a multi-episodic quartz-sericite gangue. This portion of the vein is exposed in an approximately 8.5 m deep pit from which an historical bulk sample was taken. In 2007, the base of the pit was cleared of slough and debris exposing a five metre long massive anglesite and galena lens that is up to 1.25 m wide. The mineralization is hosted within highly fractured, bleached and rusty weathering quartzite and quartz-muscovite schist, tentatively assigned to the Klondike Schist Assemblage.

A series of narrow galena-rich veinlets and stringers bifurcate from the main lens into the footwall strata. Some sulphosalt minerals are also disseminated in quartz rich wallrocks adjacent to this vein. In 2007, four channel samples were sawn at regular intervals across the thickest portion of the galena lens. The results from these samples are shown in Table III.

Table III: No. 3 Vein - Historical Sawn Channel Sample Results

Marker (m NE)	From-To (m NW)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
0.00	0.00-0.60	0.60	360	6.4	3.54
0.00	0.60-0.74	0.14	2030	42.49	0.694
0.00	0.74-1.24	0.50	80	1.96	0.122
0.00	1.24-1.64	0.40	2880	54.89	0.773
1.70	0.00-1.25	1.25	2450	48.81	0.873
3.40	0.00-0.85	0.85	281	5.34	0.829
3.40	0.85-1.60	0.75	2030	44.71	0.728
5.00	0.00-0.75	0.75	643	1.33	1.335
5.00	0.75-1.45	0.70	1100	35.65	1.695

Prospecting approximately 90 m northeast along strike from the of the bulk sample pit discovered massive galena-anglesite and quartz-sulphosalt mineralized float alongside two old bulldozer trenches. Excavator trenches dug in 2007 into the floors of the old trenches exposed broad intervals of multi-coloured gouge but no quartz or metallic minerals. Chip samples collected along the base of the excavator trenches returned low values for silver, lead and gold. The gouge alteration could be an unmineralized portion of the vein but could also mark a thrust fault separating the Klondike Schist from the underlying Nasina Assemblage. Further trenching in 2008 was similarly unsuccessful.

The **No. 4 Vein** lies approximately two kilometres northeast of the No. 1 Vein and is exposed for 260 m along the north-western side of an alpine knoll. It is hosted by orange weathering hypidiomorphic medium-grained Cretaceous granodiorite locally interfingering with quartz-feldspar orthogneiss of the South Fiftymile batholith. The vein strikes 035° and dips steeply south, averaging 77°. It dominantly consists of multi-episodic quartz that is variably mineralized with sulphosalts. The vein is surrounded by strong clay alteration. In 1969, operators reported an “average assay” of 624 g/t Ag and 9.34% Pb across 1.22 m for a series of chip samples collected along the north-eastern-most 152.4 m long portion of the exposure (Price, 1989). These samples include peak grades of 2451 g/t Ag and 34.90% Pb across 0.73 m.

Five short excavator trenches were cut in 2007 at equal intervals along an 80 m section at the south-western end of the vein exposure. Three of those trenches tested the footwall portion of the previously defined vein, which was mostly covered by talus, and the other two were intended to explore the projected trace of the vein to the southwest. The three trenches dug into the footwall of the vein zone discovered new mineralization in a splay off the main structure. The other trenches did not reach bedrock due to permafrost. In 2008 two of the 2007 trenches were extended, and one new trench excavated southwest of the vein trend. All of these trenches are located near a 240m long section of the vein that was stripped to bedrock, mapped and sampled in 2008 (Table IV). Trench No. 4-TR07-20 EXT was sampled, and yielded 186 g/t Ag, 2.44% Pb and 0.115 g/t Au across 1.0 m of strongly clay altered granodiorite mineralized with disseminated sulphosalts.

Table IV: No. 4 Vein - 2008 Chip Sample Results

Location (m NE)	From-To (m SE)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
1+050	0.00-0.90	0.90	22	0.26	0.035
1+040	0.00-1.00	1.00	131	1.16	0.089
	1.00-1.35	0.35	603	4.93	1.240
	1.35-1.85	0.50	77	1.75	0.054
	1.85-3.10	1.25	42	0.57	0.045
1+030	0.00-1.45	1.45	740	16.00	0.497
1+020	0.00-1.10	1.10	1420	12.15	0.490
	1.10-2.20	1.10	424	5.86	0.405
	2.20-3.00	0.80	399	4.63	0.122
1+010	0.00-1.20	1.20	545	10.65	0.996
	1.20-1.50	0.30	2660	50.59	1.460
	1.50-1.85	0.35	1880	36.17	0.694
	1.85-2.55	0.70	157	2.80	0.083
1+000	0.00-0.90	0.90	86	1.55	0.056
	0.90-2.35	1.45	143	2.48	0.338
	2.35-3.20	0.85	10	0.32	0.008
0+990, offset 'A'	0.00-0.90	0.90	41	0.81	0.193
	0.90-1.70	0.80	717	4.29	1.535
	1.70-2.55	0.85	45	0.86	0.050
0+990, offset 'B'	0.00-0.70	0.70	101	0.62	0.197
	0.70-1.35	0.65	393	9.03	0.588
	1.35-2.80	1.45	67	0.93	0.101
	2.80-3.15	0.35	271	4.75	3.370
	3.15-4.00	0.85	31	0.46	0.114
0+980	0.00-2.10	2.10	1550	10.05	1.295
0+970	0.00-2.00	2.00	290	2.76	0.054
0+960	0.00-1.30	1.30	312	4.89	0.559
0+950	0.00-1.45	1.45	363	6.21	0.216
	1.45-2.50	1.05	29	0.76	0.152
	2.50-3.45	0.95	30	0.38	0.015

0+935	0.00-0.70	0.70	10	0.20	0.020
	0.70-2.00	1.30	649	8.34	0.525
0+910	0.00-1.35	1.35	801	11.20	0.521
0+905	0.00-0.70	0.70	88	0.90	0.115
	0.70-1.05	0.35	455	3.46	1.300
0+880	0.00-0.65	0.65	11	0.11	0.013
	0.65-1.80	1.15	31	0.29	0.085

The **No. 5 & 6 Veins** lie roughly on trend with the No. 1 vein, about 2km to the northeast. They are poorly exposed in old bulldozer trenches roughly 20m apart, and have not seen any recent excavator work. The 1969 map shows the No. 5 vein trending east-northeast, and the No. 6 vein trending east-southeast (Cholach, 1969). Following this trend further northeast leads to the PP vein.

The **No. 7 Vein** and the recently discovered **Stirling Vein** are located approximately three kilometres west of the No. 4 Vein. Bulldozer trenching was done prior to 2007 in both of these areas but no significant mineralization was reported. There are several mineralized veins present in this area. The southwesterly extension of the No. 7 Vein trend was followed onto the next ridge across the creek, and was examined by trenching in 2007 ("**Target A**"). This work discovered two parallel veins with a best value of 177 g/t Ag, 2.28% Pb and 0.5 g/t Au across 1.32 m. The strongest lead in soil anomaly in the Target A area was not trenched.

The southern-most trench in the No. 7 area, dug in 2007 exposed a quartz-sulphosalt vein with massive galena lenses up to 55 cm wide and 23 m long, within a vein zone that is approximately 50m long and open at both ends. The vein is hosted within competent orthogneiss and strikes between 020° and 045° with a steep dip to the west at 80°. The northern-most galena lens is open along strike to the northeast where it projects beneath an access road. Approximately two tonnes of massive galena were recovered during the exploration of this lens.

Channel and rock samples taken in 2008 at various points along this vein are compiled in Table V. Rock samples were taken from high-grade galena lenses and are intended to represent grades attainable by hand-sorting. Sawn channel samples were collected where massive galena lenses more than 10 cm thick were exposed or where bedrock was too competent to chip sample.

Table V: No. 7 Vein - 2008 Channel and High-Grade Rock Sample Results

Location (m NE)	From-To (m N)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
1+000	0.00-0.70	0.70	8	0.34	0.003
	0.70-1.60	0.90	73	1.28	0.088
	1.60-1.90	0.30	328	9.89	2.030
	1.90-2.60	0.70	5	0.11	0.010
1+004	0.00-1.20	1.20	67	2.96	0.873
1+007	0.00-1.40	1.40	26	0.55	0.127
	1.40-1.80	0.40	7	1.36	0.018

	1.80-2.20	0.40	3150	64.07	0.997
	2.20-2.45	0.25	229	7.83	0.857
	2.45-3.35	0.90	28	1.15	0.093
1+013	0.00-0.80	0.80	331	5.45	0.216
	0.80-1.00	0.20	2940	62.17	0.362
	1.00-1.60	0.60	88	2.33	0.421
	1.60-2.40	0.80	36	0.58	0.018
1+015	0.00-0.55	0.55	721	11.00	0.502
1+020	0.00-0.85	0.85	16	1.18	0.015
	0.00-0.90	0.90	574	8.25	0.347
	0.90-1.90	1.00	36	1.29	0.129
1+025	0.00-0.30	0.30	23	1.66	0.044
	0.30-0.60	0.30	2270	51	0.655
	0.60-1.00	0.40	200	21.45	2.030
1+028	0.00-0.90	0.90	8	0.28	0.007
	0.90-1.10	0.20	681	19.45	0.524
	1.10-2.00	0.90	74	1.85	0.348
1+033	0.00-0.26	0.26	49	3.87	0.226
	0.26-0.87	0.61	1960	35.57	0.820
	0.87-1.46	0.59	25	1.795	0.014
	1.46-1.99	0.53	271	9.66	4.380
	1.99-2.49	0.50	17	0.63	0.018
See Map		High-grade sample	4150	74.33	0.118
See Map		High-grade sample	3290	78.76	0.145
See Map		High-grade sample	3480	63.94	0.295
See Map		High-grade sample	3010	64.49	0.082
See Map		High-grade sample	2710	58.29	1.230

The **Stirling Vein** was discovered in 2007 by deepening an old bulldozer trench situated approximately 400 m northeast of the No. 7 Vein. It is composed of strongly sulphosalt-bearing quartz with intermittent massive galena lenses up to 47 cm wide. The vein is exposed for a strike length of 22 m in tuffaceous quartz-feldspar-biotite-muscovite schist. It strikes 094° and dips steeply south at 70°. The mineralization is open along strike. Table V contains assays for channel samples sawn across the vein, including weighted average grades for intervals where multiple samples were collected across the exposure.

Table VI: Stirling Vein - Historical Sawn Channel Sample Results

Marker (m NE)	From-To (m SE)	Width (m)*	Ag (g/t)	Pb (%)	Au (g/t)
0.00	0.00-0.22	0.22	500	10.05	1.23
6.50	0.00-0.59	0.59	821	19.45	1.51
7.62	0.00-0.76	0.76	1895	47.47	0.67
	including	0.35	2240	49.56	0.28
8.75	0.00-0.66	0.66	2083	51.50	1.99

	including	0.47	2660	64.54	0.67
	and	0.19	656	19.26	5.23
11.43	0.00-0.63	0.63	1025	24.71	0.80
	including	0.16	3190	67.53	0.34
19.25	0.00-0.43	0.43	361	6.07	5.81
20.60	0.00-0.32	0.32	513	12.90	3.67

* All reported intervals are true widths.

The **Core Shack Vein** is exposed in old bulldozer trenches that were deepened with an excavator in 2007. This vein is one of a series of sulphosalt-bearing quartz veins that are marked by lead-in-soil geochemical anomalies in the area between the No. 1 and No. 2 veins. The excavator trenches encountered an up to 1.30 m wide quartz vein that is variably mineralized with yellow-green arsenic-antimony secondary minerals, sulphosalts and minor coarse cubic galena. Chip samples collected across the vein zone returned peak values of 1230 g/t Ag, 15.0 % Pb and 1.96 g/t Au. Significant results from samples collected across the mineralized zone are presented in Table VII.

Table VII: Core Shack Vein - Historical Chip Sample Results

Trench	Marker (m N)	From-To (m W)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
CNT-T-24	18.30	0.00-0.40	0.40	106	2.71	1.46
	20.60	0.00-0.30	0.30	120	2.37	1.54
CNT-T-25	14.80	0.00-0.23	0.23	150	0.65	1.46
CNT-T-26	25.00	0.00-1.30	1.30	44	2.00	0.18
	31.70	0.00-0.29	0.29	1230	15.00	1.96

The **No. 8 Vein** is situated on the claims comprising the Nordling Option, roughly seven kilometres east of the No. 4 Vein. It is similar to the veins exposed on the CN property but has a slightly higher silver to lead ratio. Historical grades, from select galena-dominant rock samples collected intermittently along a 275 m strike length are shown in Table VIII.

In 2008 a series of nine excavator trenches were cut along the vein. The best mineralized part of the vein was then stripped continuously to bedrock and was tested by closely spaced channel samples. The vein was then mapped in detail and channel sampled, with the results presented in Table IX.

Table VIII: No. 8 Vein - Historical Rock Sample Results

Length along vein (m)	Ag (g/t)	Pb (%)
0	1965	64.00
25	2500	72.30
112	1632	75.00
130	5498	78.76
143	1901	84.65
275	723	22.30

Table IX: No. 8 Vein – 2008 Channel Samples

Location (m NE)	From-To (m W)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
1+000m	0.00-1.00	1.00	<1	0.10	0.015
	1.00-1.18	0.18	23	0.37	0.120
	1.18-1.68	0.50	458	12.70	1.610
	1.68-2.28	0.60	5	0.12	0.015
1+005m	0.00-0.30	0.30	1070	29.31	1.850
1+010m	0.00-0.60	0.60	7	0.10	0.009
	0.60-1.20	0.60	36	1.31	0.166
	1.20-1.50	0.30	36	0.78	0.378
	1.50-1.90	0.40	200	16.05	0.493
	1.90-2.60	0.70	13	0.21	0.012
1+015m	0.00-0.20	0.20	49	0.90	0.709
	0.20-0.45	0.25	560	10.30	3.660
	0.45-0.67	0.22	33	0.36	0.030
1+020m	0.00-0.68	0.68	29	0.41	0.105
	0.68-0.81	0.13	67	1.16	0.066
	0.81-1.16	0.35	1360	35.55	2.580
	1.16-1.26	0.10	243	7.18	2.560
	1.26-2.09	0.83	18	0.41	0.037
1+025m	0.00-0.15	0.15	30	0.42	0.432
1+030m	0.00-0.72	0.72	10	0.43	0.010
	0.72-0.99	0.27	958	31.26	1.530
	0.99-1.29	0.30	17	0.526	0.044
	1.29-2.04	0.75	15	0.418	0.029
1+035m	0.00-0.30	0.30	1560	41.76	1.765
1+040m	0.00-0.68	0.68	11	0.14	0.011
	0.68-1.05	0.37	96	4.25	0.223
	1.05-1.28	0.23	2030	45.61	0.428
	1.28-1.60	0.32	302	6.72	0.462
	1.60-2.20	0.62	27	0.68	0.042
1+045m	0.00-0.47	0.47	1270	53.18	0.984
1+050m	0.00-0.95	0.95	17	0.50	0.016
	0.95-1.40	0.45	439	3.32	2.140
	1.40-2.32	0.92	11	0.26	0.032
1+055m	0.00-0.50	0.50	476	11.15	1.245
1+060m	0.00-0.83	0.83	6	0.09	0.015
	0.83-1.45	0.62	16	0.19	0.226
	1.45-2.41	0.96	4	0.08	0.017
1+065m	0.00-0.50	0.50	333	17.90	1.475
1+070m	0.00-0.50	0.50	19	0.28	0.082

	0.50-0.65	0.15	348	1.65	1.495
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A **magnetite skarn zone** located immediately east of the No. 8 vein was tested by a series of very short drill holes (Price, 1989). Some of the holes were not analyzed at all, despite favourable geological descriptions. Some significant gold intersections were returned from this drilling, with best values of 0.219 oz/ton over 5 feet. No significant work has been done on this zone since that time.

In 2008 prospecting and trenching to follow up soil geochemical anomalies resulted in the discovery of the AC/DC, Ice, Rain and PP veins.

The **AC/DC vein** is located alongside the main access road, approximately 1000 m east of the No. 4 Vein. The vein subcrop is exposed in an old bulldozer trench south of the main access road, and in three of four trenches dug in 2008, delineating it for a strike length of roughly 70 m on the north side of the road. Most of the bedrock is poorly exposed. The vein is up to 1 m thick and contains comb quartz with small irregular masses of sulphosalts and weak to moderate, blebby and disseminated arsenopyrite. It is hosted in grey quartz-feldspar-biotite gneiss grading to quartzite. A selected rock sample of well mineralized material assayed 12 g/t Ag, 2.2% Pb, and 0.374 g/t Au. All chip samples returned sub-economic values for all metals.

The **Ice Vein** lies about 1000 m northeast of the No. 4 Vein on a northwest facing hillside. Five trenches were excavated but only three reached bedrock. Mineralization consists of coarse cubic galena weathering to botryoidal anglesite or dense dark red limonite containing relict galena and/or crushed quartz. Yellow-green clay gouge is also present. The Ice Vein is hosted in grey quartz-feldspar-biotite gneiss. The approximate altitude of the vein is 049°/80° SE. Its apparent width is 70 cm but the mineralized portion is only 20 to 25 cm wide. Significant chip samples from these trenches are compiled in Table X.

Table X: Grid B Trenches - Significant 2008 Chip Sample Results*

Vein	Trench	From-To (m W)	Width (m)	Ag (g/t)	Pb (%)	Au (g/t)
Ice	GB-TR08-01	65.00-65.50	0.50	253	8.19	0.403
	GB-TR08-05	32.70-33.89	1.19	142	1.08	0.453
		including	0.09	1500	10.85	5.380
	GR-TR08-06	28.60-31.8	3.20	171	1.88	1.770
		including	1.20	406	4.04	2.880
Rain	GR-TR08-16	34.65-36.50	1.85	24	0.95	0.032
		including	0.85	31	1.22	0.027
PP	PP-TR08-03	20.50-20.80	0.30	97	3.15	0.093
		26.00-26.10	0.10	523	15.65	1.220
	PP-TR08-04	46.60-48.70	2.10	259	3.49	0.408

*Assay values in this table are generally low, compared with rock sample assays from the same area (Table XI). This contrast may be due in part to sample quality due to poor bedrock exposure caused by patchy permafrost and varying depths of overburden. The chip samples were often diluted by foreign soil and rock fragments.

The **PP Vein** is located 1200 m north-northeast of the Ice Vein on a northeast facing hillside. Vein float containing galena and anglesite was discovered during a prospecting traverse that

followed up soil geochemical anomalies. Five trenches were cut to locate the source of the float. A narrow quartz-sulphosalt-galena vein up to 15 cm wide was located in trenches PP-TR08-01 through -04. This vein is hosted in pale yellow quartzite and grey quartz-feldspar-biotite gneiss. Chip samples collected from this vein returned weak lead and silver values (Table X). However, grab samples of anglesite weathered galena float collected from the spoil piles of PP-TR08-04 and -05 suggest that another, unexposed vein exists north of the trenches.

The **Rain Vein** is situated 1600 m northeast of the No. 4 Vein. It lies northwest downslope from the main access road. Trenches were cut across two strong geochemical anomalies. The Rain Vein is well exposed in only one trench, (GB-TR08-01), and is poorly exposed in two adjacent trenches (GB-TR08-15 and -16). High values obtained from rock and soil samples taken from GB-TR08-02 and -10 suggest the vein continues to the east. Where exposed in GB-TR08-01, the vein is composed of quartz-poor sulphide bands with antimony-arsenic sulphosalts and galena in their cores and pyrite, arsenopyrite and possible stibnite on their margins. The sulphide-rich material is hosted in bright yellow clay gouge. The galena is coarsely cubic and weathers to anglesite on rims, with scorodite stains on some faces. The Rain Vein is hosted in quartz-feldspar-biotite gneiss, but schists were found nearby, which often contain much more muscovite than biotite. Chip samples returned low values (Table X) but this maybe due to contamination by fragments of unmineralized soil and bedrock, caused by the poor vein exposure. Rock samples of well mineralized vein yielded much higher values for lead and silver.

Table XI: Grid B Trenches - 2008 Selected Rock Sample Results

Vein	Trench	Sample #	Ag (g/t)	Pb (%)	Au (g/t)
Ice	GB-TR08-01	G006411	704	24.47	0.185
Ice		G006485	486	18.82	1.030
Ice		G006486	1145	47.20	0.323
Rain	GB-TR08-02EXT	G006462	472	12.05	2.450
Ice	GB-TR08-05	G006487	664	8.74	4.260
Ice	GB-TR08-06	G006488	1020	60.81	0.139
PP	PP-TR08-03	G006438	523	15.65	1.220
PP	PP-TR08-04	G006463	818	22.50	1.250
PP		G006464	907	28.78	4.310
PP		G006476	461	16.45	2.600
PP	PP-TR08-05	G006477	896	34.72	1.250
PP		G006478	684	13.24	3.340

It is significant that most of the veins discovered to date have only been excavated along short lengths that are either near an access road or along a ridge crest. Soil geochemical anomalies at most of these veins extend for hundreds of meters further along trend. Drilling has only tested parts of the No. 1, 3, 4 and 8 Veins.

2009 EXPLORATION PROGRAM

The 2009 field program was conducted by the author and field technician Matt Little, along with excavator operators working for 15317 Yukon Inc.

2009 Soil Geochemistry

The 2009 soil sampling built on earlier grid sampling that was conducted in 1969, 1987, 1998, 2007 and 2008 (Figure 5). The 1969 survey consisted of three grids that cover a 26 km² area. Samples were taken either at 25 m spacing along lines spaced 25 m apart or at 100 m spacing along lines spaced 100 m apart. The samples that were taken at 25 m centres were from an 8 km² grid while the samples collected at 100 m centres were from two grids that collectively covered a 16 km² area. All three grids were orientated to sample topographic highs, leaving significant gaps in the coverage. The 1969 samples were only analyzed for copper, lead and silver.

The 1987 soil sampling was performed over a 9 km² area at 25 intervals on lines spaced 200 m apart. All of these samples were taken within the areas of previous coverage. They were analyzed for 30 elements by an ICP technique. The 1998 soil sampling was performed at 50 m intervals on four traverse lines that were run along ridge tops in the vicinity of the No. 2 and No. 6 Veins. These samples were analyzed for gold and 32 other elements.

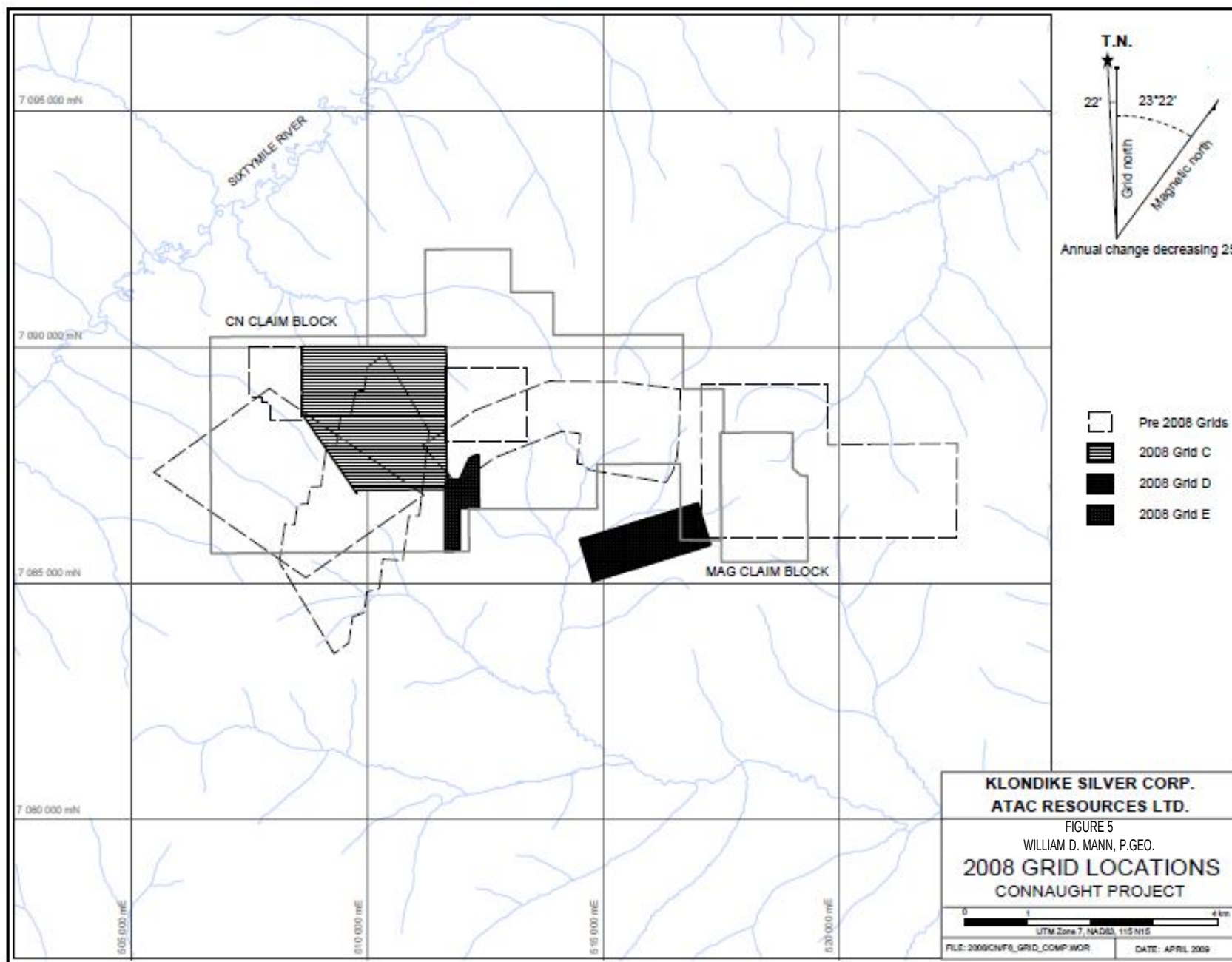
Results from the pre-2007 grids identified numerous north-easterly trending clusters of anomalous lead response, with peak values up to 6600 ppm. Where silver data is available, the results closely coincide with lead-in-soil values. Silver-in-soil results peaked at 24.9 ppm.

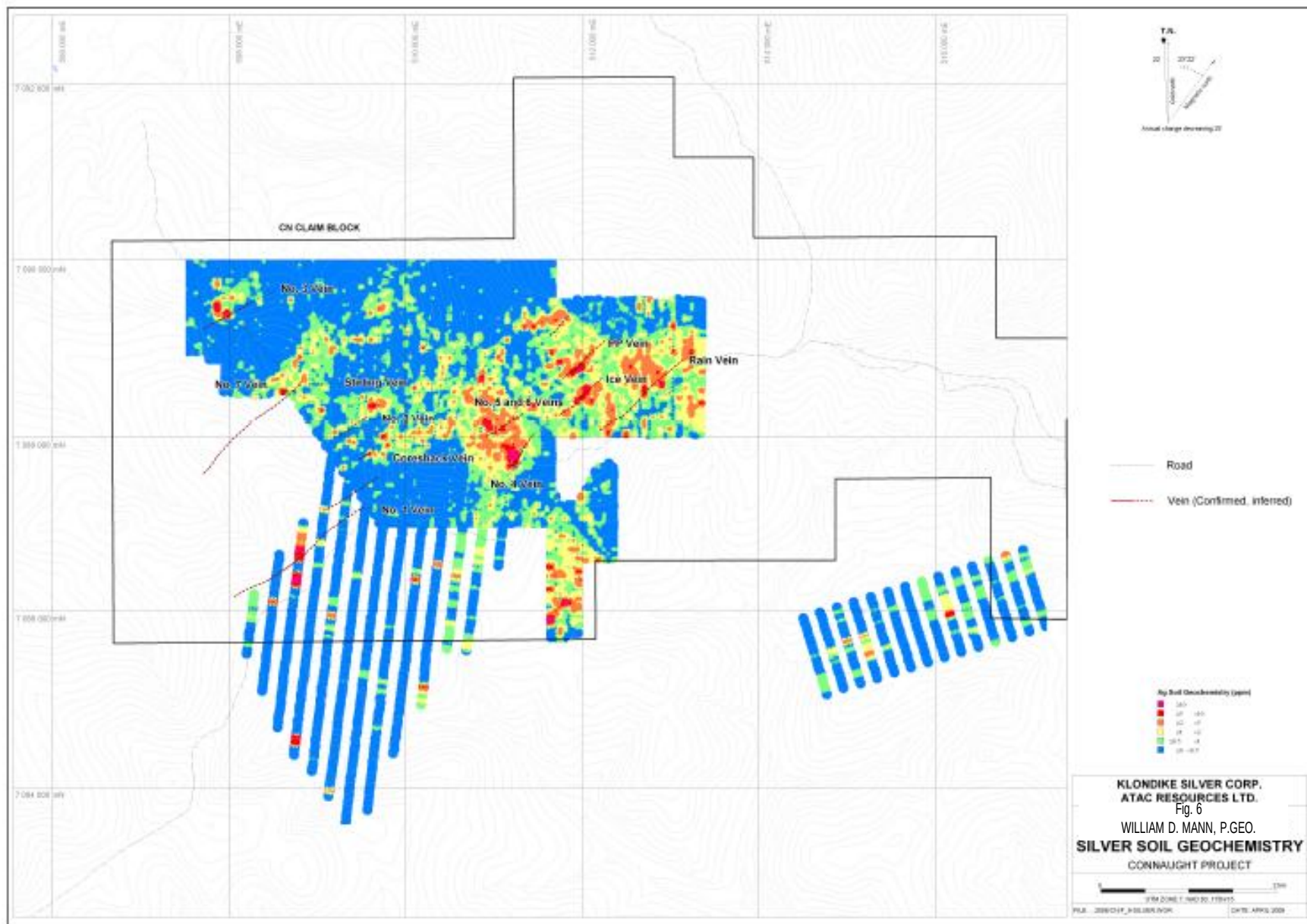
In 2007 and 2008, soil sampling was done at 50 m intervals on lines spaced 50 m apart on Grids A, B, C, D & E. Together these grids covered an area of roughly 16.1 km² (Figure 5). Results for silver in these soils is shown in figure 6.

In 2009 samples were collected along north-south UTM gridlines, with a 50m sample spacing. This limited work (116 samples collected on four lines) was focused on areas distal from the 2007 and 2008 sample grids, with the intent to discover additional areas of anomalous potential within the claim block (figure 7). Gold was analyzed during this program, as it is thought to be very important to directly analyze for this target element.

The 2009 soil samples were located using compass and hip-chain surveys that were constrained and slope corrected with handheld GPS units. The sites are marked by aluminium tags inscribed with the sample numbers, which are affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were collected using a spade. They were placed into Kraft paper bags along with an analytical sample tag. Soil descriptions were recorded in a notebook.

The 2009 samples were sent to ALS Chemex in North Vancouver where they were dried and sieved to -180 microns. A 15g portion of each sample was digested in aqua regia and then analysed for trace level gold (method Au- TL42) and 51 elements by the inductively coupled





plasma-mass spectroscopy technique (ME-MS41). Sample locations are shown on Figure 7. Certificates of Analysis are in Appendix IV.

Statistical analysis of the 2009 samples reveals correlation coefficients between Ag and Pb of 0.966, between Au and Ag of 0.105, and between Au and As of 0.147. There was no strong correlation between gold and any of the other elements analyzed. The highest gold values did tend to occur in areas that were broadly anomalous in other metals.

2009 Prospecting

A few days of prospecting were conducted to follow up on soil anomalies identified during the 2008 program. This work was very successful, as new areas of mineralized rocks were discovered or rediscovered. Rock descriptions are presented in Appendix III, and certificates of analysis are in Appendix IV. Sample locations are plotted in figure 7.

A rock sample located about 1km southeast of the camp and 1.8km south-southeast of the No. 4 Vein returned values of 4.13 g/t Au, 406 g/t Ag, 10.4% Pb, and anomalous levels of As, Cu and Fe (samples 72769 – 72776). This material was found in an area of multi-element elevated soil geochemistry, and an old undocumented bulldozer trench. It is thought that this trench was likely dug in the 1969 program, where high Pb anomalies were generally investigated with a bulldozer, with galena veins the main target.

At the No. 7 Vein trend two samples collected at least 500m to the northeast of the nearest recent trenches returned 3.98 g/t Au, 201 g/t Ag & 30% Pb, and 1.71 g/t Au, 1705 g/t Ag, & 12.2% Pb. These samples also carry elevated levels of As, Sb and Cu, and were found by following up multi-element soil anomalies (rock samples 72777 – 72781). The No. 7 Vein trend appears to have excellent potential in this area, as the two samples were found several hundred meters apart.

Prospecting to the southwest of the No. 8 Vein to follow up soil anomalies resulted in the discovery of garnet- diopside skarn mineralization in an area where skarn mineralization was noted in 1969 (samples 72797 – 72800, 72901). This material returned values up to 0.874 g/t Au, 312 g/t Ag, with elevated values for Fe, Cu, Bi, As, Pb & Zn.

The No. 5 & 6 Veins were briefly examined in old bulldozer trenches, and three samples collected (Appendix III). The veins are very poorly exposed, and vein width and orientation is not evident. The samples returned economically attractive levels of gold, silver and lead.

All samples were transported to Whitehorse and forwarded to ALS Chemex in North Vancouver, where they were dried and fine crushed to better than 70% passing 2 mm. A 250 g split of the crushed material was pulverized to better than 85% passing 75 micron. A split was then subjected to aqua regia digestion and analyzed for 34 elements using the ME-ICP61a technique. If a sample exceeded the detection limit for lead or silver it was further analyzed for total metal content using standard assay procedures. Samples exceeding upper detection limits for standard assay procedures were subject to bullion assay methods. All pulps were analyzed for gold using 50g fire assay and ICP- AES finish (method Au-ICP22). Certificates of Analysis are contained in Appendix IV.

2009 Excavator Stripping

A Komatsu 400 excavator was provided on contract by 15317 Yukon Inc. No new trenches were dug in 2009. The excavator work was focused on preparing known veins for future bulk sampling by removing waste material adjacent to sections of vein with significant widths of massive galena (figure 8).

The **No. 1 Vein** was excavated along approximately 40m of the best part of the vein. The water filled pit at the deepest part of the vein, site of some previous bulk sampling, was drained with a trench. The vein was not well exposed by this work, and the galena rich part of this vein is generally less than 20cm wide. The pit wall is over 7m high and cracked, with loose rubble on top, and the vein dips from vertical to about 80 degrees into the hill. It is likely that this site is not safe for further bulk sampling without first removing some of the high wall.

The **No. 3 Vein** received minor stripping in 2009. The depth of the historical pit at the No. 3 Vein limited the amount of efficient excavation that was possible, however this site is now prepared for extraction of a small bulk sample. An area with sufficient width for excavator access was dug, and a slot cut about 1.5m deep in waste adjacent to the 6m length of galena vein.

Work at the **Stirling Vein** excavated adjacent to the best 10m part of the vein to a depth of 2.5 to 3.5m, with a width of 4m to allow excavator access. Stripping of the structure was continued about 30m to the southwest in an area that was pre-stripped about 1m deep in 2008. There was only minor mineralization exposed in the bedrock by the 2009 work, with the best galena lens about 50cm by 10cm wide.

Excavation at the **No. 8 Vein** began with an effort to continue the main excavation to the east. A rusty structure was observed with no galena mineralization. The poor results and depth of overburden in this area led to a decision to focus on stripping adjacent to the best 15m length of the vein stripped in 2008. A 4m wide slot from 40m to 55m was cut about 2.5m deep on the north side of the vein to facilitate future bulk sampling (figure 8.).

No new sampling or mapping of the veins was done in 2009, and descriptions are unchanged from those that appear in the Mineralization section of this report.



Figure 8. - No. 8 Vein Stripping

A slot roughly 4m wide and 2- 3m deep was excavated adjacent to the best section of massive galena in preparation for bulk sampling. The vein is marked with pickets and flagging.

DISCUSSION AND CONCLUSIONS

The Connaught project hosts an extensive system of silver-lead-gold veins, which are located at the head of the Sixtymile placer gold camp. Mineralized veins are associated with east-north-easterly to north-north-easterly trending structural zones that cut all pre-Cretaceous units and the intrusives. The source of mineralization has not yet been determined, but it was likely deposited by a hydrothermal system related to Late Cretaceous plutonism. Porphyry copper and skarn occurrences in the area are probably associated with the same hydrothermal system.

Vein mineralogy is complex and consists of multiple episodes of quartz and sulphide emplacement. Weathering has resulted in a variety of oxide and carbonate minerals which can obscure the primary mineralization. Correlation coefficients show close relationships between silver-lead-antimony and gold-arsenic-bismuth metal assemblages, which can be broadly characterized as Type I and II mineralization, respectively.

Type I mineralization is galena dominant and is usually confined to intermittent lenses within the veins. It resembles the ores mined in the highly productive Keno Hill district about 250 km to the east. Silver:lead ratios for most samples collected from the Connaught project area are roughly 1:1 (1 oz/ton silver per 1% lead) but ratios up to 2.5:1 are reported from samples collected from the No. 8 Vein. Gold values associated with this type of mineralization are low (usually less than 1 g/t), especially when compared to the high lead and silver values. Due to its high silver and lead contents, this type of mineralization is the often suitable for direct shipping and smelting, without on-site concentration.

Type II mineralization is quartz dominant with variable concentrations of sulphides, sulphosalts and secondary oxides. Volumetrically it is much more abundant than Type I mineralization. Silver:lead ratios in this type of mineralization also average about 1:1, but absolute values are usually much lower than are characteristic of Type I mineralization. Gold values are significantly elevated relative to silver and lead. This type of mineralization is too low grade to warrant direct shipping and smelting and would require concentration on-site by milling.

Despite the presence of deep weathering, strong solifluction and permafrost, soil geochemistry has proven to be an excellent tool for identifying veins that have been buried by overburden. The size and shape of soil anomalies suggest some of the veins have strike length of 1000 m or more. Many of the anomalies have received little or no follow up prospecting and trenching. The discovery of new soil anomalies distal from known zones indicates that the limits of the vein system are not yet established, and there is a good potential for additional discoveries. It is recommended to analyze soil samples for gold in future, as gold does not correlate well with any of the elements analyzed. It is also possible that significant bulk tonnage gold zones could be present on the property, and have a different geochemical fingerprint than that observed in the known vein and porphyry zones in the area.

Excavator trenching is considered to be the most effective tool for evaluating the soil geochemical anomalies and delineating the veins. Many soil anomalies remain untested and most veins are open along strike. Permafrost and deep overburden are significant impediments

to effective trenching in some areas. Overburden drilling is a possible alternative; however, it provides relatively little visual information regarding the nature of the veins.

Presently, there is a limited understanding of the structural and hydrothermal controls associated with the development of the veins in the Connaught area. Data suggest there may be significant metal zoning within the vein camp and that its ultimate limits have not yet been established. Additional exploration is definitely warranted and should be implemented with three objectives in mind. The first objective should focus on the discovery of new vein zones utilizing continued property-wide close spaced grid soil geochemical surveys and excavator trenching across prospective geochemical trends. The second objective should focus on establishing controls responsible for development of Type I and II mineralization, particularly as those controls relate to lateral or vertical zonation within the system. Bulk sampling of selected areas of Type I mineralization would contribute to this objective by providing detailed three dimensional assessments of the ore shoots and by identifying geological settings that are especially favourable for the development of ore shoots. The third objective should be to gradually build up a resource of Type I and Type II mineralization that is too low grade to warrant bulk sampling and direct shipping. Data regarding this lower grade mineralization should be carefully documented so that it can later be used to design a comprehensive diamond drill program. That type of drill program would be needed to establish a reserve that is large enough to warrant detailed studies on the viability of a large-scale mining and on-site milling operation.

Future exploration should also include detail geological mapping to delineate areas underlain by favourable host rocks such as the granitic orthogneiss of the South Fiftymile Batholith and quartzite of Nasina Assemblage. These units are particularly prospective hosts because they are brittle, and therefore were better able to form broad, continuous dilatant zones where rich veins could have precipitated from circulating hydrothermal fluids. Mapping and sampling of carbonate- rich units and skarn may reveal potential for carbonate replacement type mineralization. Silicate skarns identified in 1969 have seen little or no evaluation for gold potential.

Finally, the next phase of work should include claim staking along the southern boundary of the project to cover projected extensions of soil geochemical anomalies identified in 2008 and 2009. This staking should be done in conjunction with reconnaissance-scale prospecting and soil sampling traverses along ridges radiating out from the core of the project area. The off-property work should be designed to establish the limit of the vein system and to explore for metal zoning within the system.

Respectfully submitted,

William D. Mann, M.Sc., P.Geo.

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APPENDIX I

Statement of Expenditures for Connaught project exploration, September 8- 26, 2009

Item	Total	Comments
<u>Wages</u>		
Mann	\$10,028	19.5 field days & prep & cleanup, plus 5 days report writing
Matt Little	\$4,935	contract prospecting and sampling
Excavator		
	\$31,248	15317 Yukon Inc. Excavator with operator Komatsu 400 excavator at \$225/hr plus fuel inc. mob/ demob
Food \$/man/day	\$950	groceries & restaurants
Camp Gear	\$650	camp and exploration gear rental provided by Mann
Truck	\$1,700	Mann's personal vehicle: days used only
diesel - truck	\$208	
Exploration Supplies	\$200	sample bags, flagging tape, pickets etc.
Sample Analysis		
	\$3,125	Multi-element ICP for soils, ore assays for rock
	\$1,930	ALS- Chemex
Dawson hotels	\$1,144	lodging - Eldorado Hotel & Klondike Kate's
Map production	\$1,000	
Report	\$300	print, bind, mail report
TOTAL:	\$57,417	
signed:	date:	

APPENDIX II

STATEMENT OF QUALIFICATIONS

WILLIAM D. MANN, M.Sc., P.Geo.

19 HAYES CRESCENT, WHITEHORSE, YUKON Y1A 0E1

1. I am a member in good standing of the Association of Professional Engineers and Geoscientists of BC, Licence #31907.
2. I am a Graduate of Queen's University, 1986, with a Master of Science Degree in Mineral Exploration Geology.
3. I am a Graduate of the University of British Columbia, 1983, with a Bachelor of Science Degree in Geology.
4. I have worked in mineral exploration and mining continuously since 1979.
5. I designed, supervised and participated in the work program on the Connaught Project in 2009.
6. I am contract project geologist for Klondike Silver Corp., owner of the claims, and hold stock options in the company.

April 20, 2010

William D. Mann, M.Sc., P.Geo.

APPENDIX III

ROCK SAMPLES- Connaught Project - Klondike Silver Corp. - 2009

Grid	UTM Zone 7V			ICP-MS				Assay				SAMPLE DESCRIPTION
Datum	WGS 84			Au	Ag	Pb	Zn	Ag	Pb	Ag	Pb	
Location	Sample	Easting	Northing	ppm	ppm	ppm	ppm	ppm	%	ppm	%	
No. 5 Vein	72766	510945	7088066	2.31	>200	>100000	390	635	15.25			rubble in dozer trench, Qtz.-scorodite
No. 6 Vein	72767	510932	7088107	0.004	>200	>100000	420	>1500	>20.0	1790	70.71	rubble in dozer trench, cerrusite
No. 6 Vein	72768	510932	7088107	3.07	>200	29300	1940	201				rubble in dozer trench, Qtz. Vein
SE of camp	72769	511845	7086476	0.015	21	7460	100					boulder, rusty granitic rock
	72770	512105	7086459	0.005	1	580	120					boulder, rusty granitic rock
	72771	511798	7086102	0.009	2	470	310					boulder, rusty granitic rock
	72772	511644	7085874	0.002	<1	160	20					boulder, rusty granitic rock, tr. Pyrite
	72773	511644	7085872	0.003	<1	120	60					boulder, rusty granitic rock
	72774	511604	7085844	0.789	88	28100	170					brown, altered rock in trench push pile
	72775	511598	7085846	0.007	3	1180	50					alt'd rock with quartz & pyrite
	72776	511595	7085852	4.13	>200	>100000	140	406	10.4			alt'd rock with quartz, scorodite stain
NE of No.7	72777	509373	7088707	0.022	1	430	20					alt'd gneiss w/ scorodite, yellow-orange
	72778	509331	7088850	3.98	>200	>100000	360	201	>20.0		30	yellow, green, orange w/ sulphides
	72779	509332	7088930	0.24	7	970	320					orange altered subcrop
	72780	509500	7089156	0.397	>200	67600	960	352				ylw, grn, sulphides in old dozer trench
	72781	509420	7089115	1.71	>200	>100000	1440	>1500	12.2	1705		ylw, grn, sulphides, sparse float
No.1 Vein Trenches	72782	508911	7086557	3.13	58	26100	1030					subcrop, oxidized sulphides
	72783	508860	7086530	1.895	50	3630	310					subcrop, oxidized sulphides
	72784	508880	7086500	1.47	200	34400	650	199				subcrop, oxidized sulphides, scorodite
	72785	508687	7086332	0.038	5	460	40					rusty quartz vein
	72786	508655	7086288	1.85	>200	75700	290	280				subcrop, yellow-green
	72787	508640	7086253	0.624	132	21900	180					subcrop, yellow-green
	72788	508504	7086234	0.383	70	73200	2560					subcrop, yellow-green, not in trench
	72789	508493	7086071	0.021	40	15300	290					Qtz. Subcrop, yellow-orange-green
	72790	508623	7086473	0.025	2	2970	130					Qtz. Subcrop, yellow-orange-green
	72791	508367	7087554	0.062	8	4760	1540					Quartz, yellow-red
Knob	72792	514097	7087287	0.003	<1	100	140					prominent knob of conglomerate
	72793	514049	7087338	0.002	<1	60	120					prominent knob of conglomerate
No. 9 vein	72794	520880	7087114	0.387	>200	>100000	470	>1500	>20.0	7120	66	competitor's property
hornfels	72795	516049	7088753	0.006	22	1740	110					rusty hornfels, roadside
hornfels	72796	516077	7088802	0.003	3	240	60					rusty hornfels, dozer clearing 100x20m
SW No.8	72797	517579	7085930	0.874	>200	70800	1270	312				float- vuggy qtz, yellow-green-red
	72798	516971	7085997	0.005	4	220	100					diopside skarn float
	72799	516194	7085746	0.032	11	2050	230					oxidized outcrop
	72800	516032	7085890	0.356	14	740	41900					vuggy, oxidized rusty float from pit
	72901	516032	7085890	0.023	1	190	28600					garnet skarn float from pit

APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Chemex

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2103 Dollarton Hwy

North Vancouver BC V7H 0A7

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NEW DENVER BC V0G 1S0

Page: 1
Finalized Date: 27-OCT-2009
Account: KLOSIL

CERTIFICATE VA09111377

Project: CN

P.O. No.:

This report is for 36 Rock samples submitted to our lab in Vancouver, BC, Canada on 9-OCT-2009.

The following have access to data associated with this certificate:

JOHN DE JONG

WILLIAM MANN

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP61a	High Grade Four Acid ICP-AES	ICP-AES
Ag-OG62	Ore Grade Ag - Four Acid	VARIABLE
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Pb-OG62	Ore Grade Pb - Four Acid	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
Pb-VOL70	Pb by Titration	
Au-ICP22	Au 50g FA ICP-AES finish	ICP-AES

To: KLONDIKE SILVER
ATTN: WILLIAM MANN
19 HAYES CRES
WHITEHORSE YT Y1A 0E1

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 2 (A - C)

Finalized Date: 27-OCT-2009

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Project: CN

CERTIFICATE OF ANALYSIS VA09111377

Sample Description	Method Analyte Units LOR	WEI-21	AU-ICP22	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
		Recvd Wt. kg 0.02	Au ppm 0.001	Ag ppm 1	Al % 0.05	As ppm 50	Ba ppm 50	Be ppm 10	Bi ppm 20	Ca % 0.05	Cd ppm 10	Co ppm 10	Cr ppm 10	Cu ppm 10	Fe % 0.05	Ga ppm 50
72766		0.36	2.31	>200	0.21	>100000	70	<10	800	<0.05	20	<10	10	1980	12.15	<50
72767		0.46	0.004	>200	0.09	2880	<50	<10	70	<0.05	340	<10	10	1840	1.10	<50
72768		0.38	3.07	>200	0.46	>100000	<50	<10	40	<0.05	70	<10	<10	3460	17.05	<50
72769		0.20	0.015	21	5.51	400	2080	<10	<20	2.01	10	<10	10	40	3.05	<50
72770		0.20	0.005	1	6.28	260	2180	<10	<20	2.15	<10	10	20	70	3.27	<50
72771		0.36	0.009	2	7.28	320	1990	<10	<20	1.95	<10	10	10	20	3.70	<50
72772		0.48	0.002	<1	4.68	50	1190	<10	<20	0.43	<10	<10	10	30	1.27	<50
72773		0.34	0.003	<1	6.60	90	2440	<10	<20	2.19	<10	10	10	<10	3.06	<50
72774		0.74	0.789	88	2.71	18000	130	<10	<20	<0.05	<10	<10	10	320	5.25	<50
72775		0.96	0.007	3	1.27	100	170	<10	<20	0.05	<10	<10	20	10	3.08	<50
72776		0.90	4.13	>200	0.41	32400	750	<10	20	<0.05	<10	<10	10	1980	11.15	<50
72777		0.28	0.022	1	2.89	160	850	<10	<20	0.12	<10	<10	<10	40	0.81	<50
72778		0.54	3.98	>200	1.34	>100000	110	<10	60	<0.05	30	<10	<10	4140	18.10	<50
72779		0.46	0.240	7	1.28	12450	130	<10	<20	0.05	20	<10	10	20	4.01	<50
72780		0.56	0.397	>200	0.87	23800	120	<10	<20	<0.05	390	<10	10	1910	3.04	<50
72781		0.22	1.710	>200	0.83	67200	80	<10	<20	<0.05	30	<10	10	1590	9.75	<50
72782		0.62	3.13	58	0.89	95200	<50	<10	<20	0.07	30	<10	10	470	10.30	<50
72783		0.52	1.895	50	1.23	83900	100	<10	<20	0.08	20	<10	10	60	7.77	<50
72784		0.48	1.470	200	1.77	55000	80	<10	<20	0.08	20	30	10	420	9.90	<50
72785		0.36	0.038	5	1.76	1000	490	<10	<20	0.07	<10	<10	10	10	1.02	<50
72786		0.34	1.850	>200	1.03	31200	60	<10	<20	<0.05	10	<10	10	520	5.26	<50
72787		0.44	0.624	132	0.45	17550	<50	<10	20	<0.05	30	<10	10	250	5.55	<50
72788		0.46	0.383	70	0.25	>100000	130	<10	20	<0.05	10	<10	<10	310	14.85	<50
72789		0.40	0.021	40	1.80	22800	60	<10	<20	<0.05	80	<10	10	810	3.58	<50
72790		0.36	0.025	2	5.16	4540	3550	<10	<20	1.33	<10	<10	10	40	2.12	<50
72791		0.72	0.062	8	6.17	490	1930	<10	<20	0.15	10	30	<10	310	16.90	<50
72792		0.80	0.003	<1	5.62	150	1140	<10	<20	4.49	<10	40	170	40	7.50	<50
72793		0.50	0.002	<1	5.90	60	950	<10	<20	4.57	<10	40	160	40	7.70	<50
72794		0.80	0.387	>200	0.14	630	2050	<10	<20	0.05	120	<10	<10	7470	0.26	<50
72795		0.44	0.006	22	2.13	<50	110	<10	<20	12.45	<10	20	30	400	12.55	<50
72796		0.24	0.003	3	4.16	<50	1390	<10	<20	3.81	<10	10	40	80	3.95	<50
72797		0.34	0.874	>200	0.93	75300	260	<10	150	0.10	170	<10	<10	2060	20.2	<50
72798		0.54	0.005	4	2.45	250	50	<10	<20	8.01	<10	40	280	230	10.50	<50
72799		0.46	0.032	11	3.25	2110	140	<10	<20	17.50	10	<10	80	90	3.22	<50
72800		0.48	0.356	14	0.42	400	<50	<10	710	1.46	210	10	<10	2220	41.2	<50
72901		0.86	0.023	1	1.98	200	80	<10	100	17.40	130	30	<10	220	11.20	<50



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Page: 2 - B
Total # Pages: 2 (A - C)
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Project: CN

CERTIFICATE OF ANALYSIS VA09111377

Sample Description	Method Analyte Units LOR	ME-ICP61a K %	ME-ICP61a La ppm	ME-ICP61a Mg %	ME-ICP61a Mn ppm	ME-ICP61a Mo ppm	ME-ICP61a Na %	ME-ICP61a Ni ppm	ME-ICP61a P ppm	ME-ICP61a Pb ppm	ME-ICP61a S %	ME-ICP61a Sb ppm	ME-ICP61a Sc ppm	ME-ICP61a Sr ppm	ME-ICP61a Th ppm	ME-ICP61a Ti %
		0.1	50	0.05	10	10	0.05	10	50	20	0.1	50	10	10	50	0.05
72766		0.1	<50	<0.05	210	<10	<0.05	<10	<50	>100000	3.1	640	<10	10	<50	<0.05
72767		<0.1	<50	<0.05	40	<10	<0.05	<10	<50	>100000	11.1	7540	<10	20	<50	<0.05
72768		0.2	<50	<0.05	1350	<10	0.15	<10	<50	29300	5.7	1620	<10	20	<50	<0.05
72769		2.9	<50	0.52	570	<10	2.57	<10	1000	7460	0.1	120	<10	780	<50	0.29
72770		2.9	<50	0.53	430	<10	2.55	<10	1020	580	<0.1	<50	<10	800	<50	0.30
72771		3.0	<50	0.67	950	<10	2.34	<10	1100	470	<0.1	<50	10	720	<50	0.31
72772		5.8	50	0.13	170	<10	0.84	<10	70	160	<0.1	<50	<10	110	<50	0.07
72773		2.5	<50	0.58	510	<10	2.60	<10	1010	120	<0.1	<50	<10	850	<50	0.29
72774		1.1	<50	0.11	140	60	<0.05	<10	1150	28100	0.9	210	<10	70	<50	0.07
72775		0.5	<50	0.07	3150	20	<0.05	<10	180	1180	<0.1	<50	<10	20	<50	0.05
72776		0.1	<50	<0.05	270	10	<0.05	<10	450	>100000	1.8	2220	<10	10	<50	<0.05
72777		3.5	<50	0.06	140	<10	3.80	<10	280	430	<0.1	<50	<10	60	<50	0.09
72778		<0.1	110	<0.05	50	10	<0.05	<10	600	>100000	1.3	1050	<10	60	<50	<0.05
72779		0.5	60	0.05	60	<10	<0.05	<10	180	970	0.1	190	<10	140	<50	0.14
72780		0.2	<50	<0.05	100	<10	<0.05	<10	90	67600	0.4	15850	<10	10	<50	<0.05
72781		0.3	<50	<0.05	60	<10	<0.05	<10	110	>100000	1.7	5950	<10	<10	<50	<0.05
72782		0.2	<50	<0.05	80	10	<0.05	<10	290	26100	0.5	2590	<10	100	<50	<0.05
72783		0.6	<50	<0.05	100	<10	<0.05	<10	470	3630	0.3	450	<10	150	<50	<0.05
72784		0.7	<50	0.07	190	20	<0.05	<10	980	34400	0.9	1410	<10	200	<50	<0.05
72785		1.9	50	0.13	80	<10	0.31	<10	370	460	<0.1	<50	<10	40	<50	0.08
72786		0.3	<50	<0.05	70	<10	<0.05	<10	1310	75700	0.9	2440	<10	<10	<50	<0.05
72787		0.3	<50	<0.05	70	<10	0.08	<10	480	21900	0.9	3600	<10	<10	<50	<0.05
72788		0.1	<50	<0.05	280	<10	<0.05	<10	180	73200	1.6	1610	<10	20	<50	<0.05
72789		0.8	<50	0.06	70	<10	<0.05	<10	240	15300	0.9	3440	<10	30	<50	0.07
72790		6.0	<50	<0.05	290	10	0.88	<10	660	2970	0.1	100	<10	210	<50	<0.05
72791		3.8	<50	0.12	710	<10	0.40	<10	510	4760	0.3	50	<10	130	<50	0.05
72792		1.4	<50	3.88	950	<10	1.57	200	3110	100	<0.1	<50	10	760	<50	1.33
72793		1.4	<50	3.90	1010	<10	1.98	190	2820	60	<0.1	<50	10	740	<50	1.40
72794		<0.1	<50	0.05	20	590	<0.05	<10	70	>100000	10.7	7000	<10	180	<50	<0.05
72795		0.1	<50	4.83	3680	<10	0.24	20	1130	1740	4.4	<50	<10	100	<50	0.15
72796		2.0	<50	1.26	840	<10	1.79	10	470	240	0.4	<50	10	280	<50	0.36
72797		0.8	<50	<0.05	70	<10	0.16	<10	580	70800	2.3	220	<10	880	<50	<0.05
72798		0.2	<50	8.77	1920	<10	0.51	40	80	220	0.1	<50	60	40	<50	0.19
72799		0.2	<50	6.66	2630	<10	0.26	10	360	2050	0.1	<50	10	120	<50	0.28
72800		<0.1	<50	0.30	2280	110	0.25	<10	<50	740	0.1	<50	<10	<10	<50	<0.05
72901		0.1	<50	3.29	7060	10	0.09	10	220	190	0.1	<50	<10	10	<50	0.09



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CERTIFICATE OF ANALYSIS VA09111377

Sample Description	Method Analyte Units LOR	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	Ag-OG62	Pb-OG62	Ag-GRA21	Pb-VOL70
		Tl	U	V	W	Zn	Ag	Pb	Ag	Pb
		ppm 50	ppm 50	ppm 10	ppm 50	ppm 20	ppm 1	% 0.001	ppm 5	% 0.01
72766		<50	<50	<10	<50	390	635	15.25		
72767		<50	<50	<10	<50	420	>1500	>20.0	1790	70.71
72768		<50	<50	<10	8930	1940	201			
72769		<50	<50	60	<50	100				
72770		<50	<50	60	<50	120				
72771		<50	<50	70	<50	310				
72772		<50	<50	<10	<50	20				
72773		<50	<50	80	<50	60				
72774		<50	<50	30	<50	170				
72775		<50	<50	20	<50	50				
72776		<50	<50	10	1080	140	406	10.40		
72777		<50	<50	10	<50	20				
72778		<50	70	<10	<50	360	201	>20.0		30.00
72779		<50	50	10	<50	320				
72780		<50	<50	<10	<50	960	352			
72781		<50	120	10	<50	1440	>1500	12.20	1705	
72782		<50	<50	<10	<50	1030				
72783		<50	<50	<10	190	310				
72784		<50	<50	10	<50	650	199			
72785		<50	<50	10	<50	40				
72786		<50	<50	<10	<50	290	280			
72787		<50	<50	<10	<50	180				
72788		<50	<50	<10	<50	2560				
72789		<50	<50	10	<50	290				
72790		<50	<50	10	<50	130				
72791		<50	<50	50	630	1540				
72792		<50	<50	170	<50	140				
72793		<50	<50	170	<50	120				
72794		<50	<50	<10	<50	470	>1500	>20.0	7120	66.00
72795		<50	<50	80	<50	110				
72796		<50	<50	150	<50	60				
72797		<50	<50	20	<50	1270	312			
72798		<50	<50	250	<50	100				
72799		<50	<50	110	<50	230				
72800		<50	<50	<10	<50	41900				
72801		<50	<50	30	<50	28600				



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CERTIFICATE VA09111375

Project: CN

P.O. No.:

This report is for 116 Soil samples submitted to our lab in Vancouver, BC, Canada on 9-OCT-2009.

The following have access to data associated with this certificate:

JOHN DE JONG

WILLIAM MANN

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-TL42	Trace Level Au - 15 g AR	ICP-MS
ME-MS41	51 anal. aqua regia ICPMS	

To: KLONDIKE SILVER
ATTN: WILLIAM MANN
19 HAYES CRES
WHITEHORSE YT Y1A 0E1

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA09111375

Sample Description	Method Analyte Units LOR	WEI-21	Au-TL42	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
72851		0.28	0.004	4.20	1.30	302	<0.2	<10	130	0.19	0.87	0.26	6.48	17.35	5.5
72852		0.40	0.002	0.25	2.02	54.4	<0.2	<10	230	0.71	0.38	0.49	0.35	43.4	11.2
72853		0.32	0.005	0.71	2.46	213	<0.2	<10	190	0.83	0.51	0.68	1.00	31.6	8.0
72854		0.26	0.005	1.79	3.19	141.0	<0.2	<10	210	1.29	0.71	0.37	0.85	30.8	5.2
72855		0.26	0.005	2.23	2.86	358	<0.2	<10	220	0.84	0.92	0.56	1.50	27.5	9.3
72856		0.30	0.001	0.70	1.81	99.3	<0.2	<10	170	0.41	0.61	0.45	0.64	28.6	6.2
72857		0.36	0.002	9.99	1.92	633	<0.2	<10	270	0.65	7.53	0.47	2.17	29.8	8.7
72858		0.34	0.009	3.79	0.62	83.2	<0.2	<10	120	0.29	0.43	0.25	1.87	12.90	3.3
72859		0.46	0.012	2.74	2.15	720	<0.2	<10	150	1.04	0.80	0.43	1.99	36.1	8.7
72860		0.34	0.019	5.13	2.00	1995	<0.2	<10	200	0.69	2.39	0.50	3.03	35.5	8.2
72861		0.34	0.005	1.21	2.80	309	<0.2	<10	170	1.16	0.68	0.68	1.76	29.8	9.1
72862		0.34	0.004	4.15	2.49	352	<0.2	<10	110	0.97	0.85	0.26	1.01	30.9	7.2
72863		0.38	0.012	3.22	2.80	441	<0.2	<10	190	1.32	1.89	0.45	1.95	34.2	9.2
72864		0.30	0.002	1.59	2.06	148.0	<0.2	<10	150	0.95	0.96	0.44	1.52	28.1	7.2
72865		0.36	0.002	0.45	2.65	139.5	<0.2	<10	160	1.10	0.67	0.41	1.40	33.2	14.5
72866		0.56	0.003	1.93	2.74	137.5	<0.2	<10	190	1.06	1.02	0.64	1.25	39.5	8.0
72867		0.40	<0.001	0.31	2.58	11.8	<0.2	<10	170	1.43	0.45	0.47	0.31	40.4	11.4
72868		0.34	<0.001	0.07	3.35	9.9	<0.2	<10	200	1.20	0.25	0.34	0.27	35.9	15.8
72869		0.34	<0.001	0.06	2.67	8.8	<0.2	<10	140	0.85	0.23	0.32	0.18	33.7	12.9
72870		0.38	0.003	0.05	2.98	9.4	<0.2	<10	140	0.83	0.42	0.26	0.21	32.1	11.5
72871		0.38	0.001	0.07	0.91	3.3	<0.2	<10	50	0.30	0.14	0.16	0.07	16.20	3.5
72872		0.34	0.003	0.04	2.95	13.5	<0.2	<10	150	0.66	0.44	0.24	0.21	29.9	13.1
72873		0.40	<0.001	0.18	1.34	10.4	<0.2	<10	90	0.26	0.35	0.10	0.14	31.8	4.2
72874		0.34	<0.001	0.97	1.37	9.0	<0.2	<10	110	0.42	1.46	0.11	0.25	65.6	4.1
72875		0.32	<0.001	0.30	1.08	5.5	<0.2	<10	70	0.36	0.40	0.08	0.57	49.5	3.2
72876		0.36	<0.001	0.33	1.25	7.2	<0.2	<10	70	0.35	0.48	0.08	0.44	54.8	4.1
72877		0.38	0.002	0.05	1.38	11.7	<0.2	<10	70	0.32	0.35	0.13	0.21	38.0	6.4
72878		0.34	<0.001	0.22	1.44	15.3	<0.2	<10	80	0.29	0.46	0.09	0.18	47.7	4.3
72879		0.44	<0.001	0.58	2.66	8.3	<0.2	<10	100	1.13	1.32	0.28	0.75	93.5	12.5
72880		0.36	<0.001	0.24	1.91	11.4	<0.2	<10	90	0.44	0.61	0.11	0.26	40.9	6.9
72881		0.38	<0.001	0.38	1.48	8.7	<0.2	<10	70	0.40	0.88	0.11	0.15	49.6	5.7
72882		0.36	<0.001	0.78	1.48	9.8	<0.2	<10	110	0.36	1.54	0.10	0.18	58.4	5.9
72883		0.34	<0.001	1.51	0.79	49.3	<0.2	<10	90	0.19	3.15	0.04	0.08	97.8	1.5
72884		0.30	0.002	4.28	1.22	24.1	<0.2	<10	70	0.24	5.42	0.08	0.23	45.0	2.7
72885		0.30	0.008	3.77	0.96	41.0	<0.2	<10	50	0.16	1.51	0.07	0.13	37.2	2.2
72886		0.34	0.162	1.57	1.37	133.5	<0.2	<10	120	0.30	1.69	0.19	0.21	47.7	5.6
72887		0.40	0.005	1.94	0.61	1380	<0.2	<10	130	0.25	2.77	0.22	0.31	70.1	2.6
72888		0.34	0.003	1.25	1.70	228	<0.2	<10	130	0.41	1.10	0.19	0.51	44.7	7.7
72889		0.42	0.014	2.88	2.07	1035	<0.2	<10	420	0.54	0.62	0.71	4.15	40.4	17.2
72890		0.36	0.001	0.62	2.03	152.5	<0.2	<10	570	0.68	0.34	0.49	5.32	48.6	33.9



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CERTIFICATE OF ANALYSIS VA09111375

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
72851		3.02	14.6	2.14	7.19	0.05	0.03	0.09	0.042	0.08	9.8	7.4	0.30	172	12.55
72852		2.69	34.2	2.95	6.22	0.08	0.05	0.06	0.028	0.09	21.8	13.1	0.53	453	4.38
72853		3.38	35.0	2.93	7.88	0.06	<0.02	0.05	0.043	0.08	18.3	13.7	0.44	413	7.29
72854		3.25	36.0	2.31	9.11	0.06	0.02	0.09	0.055	0.06	19.9	15.9	0.38	189	6.43
72855		3.77	36.3	3.18	9.23	0.06	0.02	0.09	0.055	0.08	16.6	16.1	0.50	609	14.10
72856		2.14	18.4	2.39	6.59	0.05	0.03	0.04	0.042	0.06	15.9	12.3	0.50	389	4.31
72857		2.62	56.4	3.02	7.48	0.06	<0.02	0.07	0.090	0.09	16.5	11.8	0.42	867	6.58
72858		1.37	20.4	1.30	3.22	<0.05	<0.02	0.05	0.026	0.06	7.2	3.0	0.13	236	1.83
72859		2.82	40.6	3.16	6.87	0.07	0.06	0.02	0.153	0.08	19.3	15.2	0.53	521	3.82
72860		2.67	41.3	3.23	7.45	0.07	0.02	0.05	0.341	0.11	20.8	13.3	0.47	1540	9.11
72861		3.57	30.2	3.21	9.51	0.05	0.03	0.03	0.062	0.09	16.7	18.1	0.57	640	2.58
72862		2.60	20.0	3.14	8.75	0.06	0.02	0.05	0.062	0.06	17.4	21.0	0.47	433	3.30
72863		3.25	47.0	3.47	8.48	0.07	0.04	0.03	0.069	0.09	18.8	23.4	0.62	481	2.29
72864		2.29	25.0	2.88	7.65	0.06	0.02	0.04	0.049	0.06	16.4	15.8	0.44	457	1.60
72865		2.81	25.9	3.42	8.79	0.07	0.06	0.04	0.060	0.08	17.4	21.4	0.50	991	1.60
72866		3.82	43.7	3.64	9.34	0.08	0.04	0.05	0.071	0.07	24.2	19.8	0.55	392	0.95
72867		3.97	24.4	2.95	10.10	0.07	0.04	0.04	0.042	0.12	19.1	25.6	0.67	281	1.57
72868		4.69	25.7	4.12	13.05	0.09	0.11	0.04	0.064	0.35	16.3	32.0	1.10	492	1.32
72869		2.89	22.3	3.32	9.03	0.08	0.04	0.03	0.053	0.17	15.8	23.9	0.76	425	0.99
72870		4.02	19.4	4.26	12.30	0.09	0.06	0.06	0.074	0.23	14.8	29.8	0.77	448	1.28
72871		0.92	8.4	1.36	4.35	<0.05	<0.02	0.02	0.013	0.04	8.1	4.5	0.19	110	0.52
72872		3.19	25.1	4.39	12.50	0.08	0.10	0.03	0.061	0.20	14.0	27.2	0.80	544	1.95
72873		1.23	18.4	3.12	8.17	0.05	0.04	0.02	0.023	0.05	16.9	9.1	0.19	210	1.52
72874		2.28	51.6	3.18	4.72	0.06	0.04	0.05	0.033	0.11	40.5	6.9	0.24	202	1.94
72875		1.45	28.8	1.96	4.03	0.05	0.04	0.04	0.019	0.06	27.5	6.9	0.16	218	0.86
72876		1.44	38.5	2.53	4.88	<0.05	0.03	0.03	0.026	0.07	28.4	8.5	0.23	244	1.14
72877		0.98	23.2	3.94	7.27	0.05	0.05	0.01	0.025	0.05	18.0	11.5	0.36	353	1.16
72878		1.08	23.7	3.17	8.01	0.06	0.05	0.03	0.030	0.07	24.0	8.9	0.25	180	1.56
72879		1.62	102.0	3.40	8.45	0.11	0.09	0.02	0.031	0.15	55.5	22.3	2.16	597	1.40
72880		1.44	40.4	2.92	6.64	0.06	0.03	0.04	0.030	0.08	20.6	13.0	0.38	349	1.83
72881		1.67	71.8	2.71	5.72	0.05	0.07	0.04	0.028	0.10	28.9	10.7	0.30	288	1.92
72882		2.01	59.4	2.89	5.32	0.05	0.08	0.03	0.044	0.14	38.5	10.8	0.30	290	4.73
72883		1.41	68.4	2.61	3.96	0.06	0.02	0.02	0.063	0.23	66.1	3.5	0.11	71	7.34
72884		0.91	72.8	2.59	7.15	0.05	0.02	0.09	0.066	0.09	27.2	7.3	0.15	108	2.43
72885		1.09	89.6	2.01	7.95	<0.05	0.03	0.13	0.070	0.11	22.1	5.0	0.20	97	4.18
72886		1.38	99.4	2.98	5.12	0.05	0.04	0.05	0.093	0.15	26.8	10.1	0.36	257	3.34
72887		1.89	32.9	2.82	3.02	0.05	0.02	0.03	0.098	0.20	49.3	4.0	0.13	158	7.01
72888		2.01	30.6	3.54	4.99	0.06	0.05	0.09	0.061	0.19	27.2	11.9	0.45	410	4.49
72889		3.55	84.9	4.21	7.73	0.09	0.02	0.01	0.242	0.13	21.5	18.3	1.25	1120	4.09
72890		5.96	107.5	4.22	7.02	0.10	0.02	0.05	0.053	0.18	22.1	20.2	0.89	1640	4.76



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
72851		1.65	10.4	530	398	19.4	<0.001	0.05	5.65	2.8	0.4	0.7	48.3	<0.01	0.04
72852		1.31	21.1	840	54.6	19.4	<0.001	0.03	1.90	5.4	0.5	0.6	66.6	0.01	0.02
72853		1.44	15.5	790	142.0	16.2	<0.001	0.06	7.57	3.5	0.6	0.6	88.2	0.01	0.03
72854		1.99	12.9	730	174.0	13.8	<0.001	0.06	4.57	4.3	0.7	0.7	54.6	0.01	0.03
72855		1.83	14.8	830	187.0	22.0	<0.001	0.07	4.95	4.5	0.6	0.8	75.4	0.01	0.04
72856		2.08	13.0	730	101.5	14.2	<0.001	0.05	2.39	3.6	0.4	0.6	51.8	<0.01	0.02
72857		1.32	12.7	1180	1530	21.1	<0.001	0.08	12.35	3.3	0.6	0.7	70.2	<0.01	0.03
72858		0.42	5.7	660	405	11.3	<0.001	0.06	2.75	1.0	0.3	0.3	33.3	<0.01	0.02
72859		1.43	18.2	890	491	20.0	<0.001	0.04	5.98	4.0	0.5	0.6	69.3	<0.01	0.02
72860		1.25	10.3	1120	1590	27.7	<0.001	0.10	12.45	2.9	0.4	1.6	97.2	<0.01	0.02
72861		1.71	16.5	950	267	19.5	<0.001	0.04	4.97	4.1	0.4	0.5	103.5	0.01	0.02
72862		2.04	13.1	760	315	16.9	<0.001	0.03	4.69	3.3	0.4	0.6	56.6	0.01	0.03
72863		1.64	22.2	840	852	20.1	<0.001	0.03	7.93	4.8	0.5	0.6	84.3	<0.01	0.03
72864		1.29	14.1	900	267	13.8	<0.001	0.05	3.00	3.2	0.4	0.5	96.3	<0.01	0.03
72865		1.69	17.6	750	159.5	17.2	<0.001	0.03	1.79	4.1	0.4	0.6	117.5	<0.01	0.03
72866		1.75	13.5	1150	235	18.8	<0.001	0.03	2.41	4.7	0.4	0.6	217	<0.01	0.02
72867		3.11	23.1	870	34.4	35.7	<0.001	0.04	0.96	6.9	0.8	2.0	45.7	0.01	0.07
72868		4.38	33.8	580	15.7	58.4	<0.001	0.02	0.63	8.4	0.6	3.0	36.3	0.02	0.04
72869		3.78	29.4	620	11.1	30.5	<0.001	0.04	0.67	5.5	0.5	1.6	23.6	0.02	0.03
72870		6.38	21.0	470	16.0	44.1	<0.001	0.04	0.75	6.5	0.6	2.4	23.8	0.03	0.05
72871		0.81	4.8	450	6.7	9.8	<0.001	0.03	0.21	1.6	0.4	0.5	14.1	<0.01	0.02
72872		4.80	26.2	680	22.3	41.4	<0.001	0.03	0.66	6.6	0.6	2.1	21.9	<0.01	0.05
72873		2.05	10.5	350	55.7	16.2	<0.001	0.05	0.53	2.2	0.4	0.8	12.4	<0.01	0.04
72874		1.01	10.7	490	513	21.6	<0.001	0.15	0.87	1.9	0.6	0.4	14.9	<0.01	0.03
72875		1.03	7.3	290	229	15.4	<0.001	0.04	0.41	1.5	0.4	0.4	11.7	<0.01	0.02
72876		1.35	10.2	270	326	20.0	<0.001	0.06	0.52	1.8	0.4	0.5	10.8	<0.01	0.03
72877		2.02	15.4	310	109.5	15.5	<0.001	0.03	0.59	2.6	0.5	0.5	12.8	<0.01	0.04
72878		2.13	11.6	310	144.0	21.1	<0.001	0.05	0.56	2.5	0.4	0.7	12.2	<0.01	0.04
72879		0.66	82.5	790	243	31.9	<0.001	0.07	0.42	5.5	0.5	0.6	19.7	<0.01	0.04
72880		1.66	17.9	510	95.8	20.7	<0.001	0.09	0.56	2.8	0.5	0.6	13.8	0.01	0.05
72881		1.84	13.0	410	239	21.3	<0.001	0.13	0.49	2.2	0.4	0.6	11.7	0.01	0.05
72882		2.23	13.2	400	378	21.7	<0.001	0.21	0.65	2.1	0.5	0.5	15.3	0.01	0.12
72883		2.56	4.2	330	610	25.0	0.001	0.44	0.86	1.1	0.6	0.5	12.5	0.01	0.32
72884		2.12	7.9	340	721	20.3	<0.001	0.15	0.85	1.6	0.6	0.8	11.3	<0.01	0.22
72885		3.91	7.0	290	704	24.1	<0.001	0.16	3.07	1.7	0.4	0.8	9.3	<0.01	0.19
72886		3.57	14.6	610	485	23.1	<0.001	0.24	2.15	2.3	0.5	0.7	16.2	0.01	0.12
72887		2.73	5.3	310	922	24.4	0.001	0.43	2.89	1.0	0.6	0.5	31.9	0.01	0.03
72888		2.84	20.5	820	361	23.7	0.001	0.36	1.66	2.3	1.1	0.5	23.0	0.02	0.04
72889		1.47	98.7	2070	1900	28.9	0.001	0.19	15.35	5.0	2.4	1.1	57.1	0.01	0.09
72890		0.95	108.5	1590	252	28.4	0.001	0.18	2.80	3.1	2.8	0.6	73.4	0.01	0.10



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm
		0.005	0.02	0.05	1	0.05	0.05	2
								0.5
72851		0.095	0.13	1.24	53	0.63	2.57	175
72852		0.102	0.16	4.22	64	0.69	10.50	88
72853		0.065	0.15	6.59	61	1.67	6.91	225
72854		0.053	0.21	11.35	45	0.77	7.96	199
72855		0.069	0.18	8.83	65	1.25	7.31	286
72856		0.101	0.15	4.50	56	0.75	5.85	137
72857		0.059	0.14	5.56	62	0.80	7.11	352
72858		0.038	0.07	2.92	31	0.16	3.34	105
72859		0.062	0.17	4.04	63	1.38	7.00	322
72860		0.042	0.23	3.56	51	1.83	5.83	461
72861		0.069	0.15	3.71	62	1.11	5.43	377
72862		0.075	0.18	2.35	69	1.84	4.96	249
72863		0.080	0.17	5.53	68	1.28	6.29	341
72864		0.061	0.13	3.23	62	1.30	4.96	189
72865		0.077	0.14	3.27	69	1.22	5.00	193
72866		0.071	0.16	4.42	72	2.96	6.54	284
72867		0.107	0.24	4.32	59	0.41	15.65	80
72868		0.222	0.52	2.53	80	0.52	9.63	79
72869		0.177	0.27	1.34	70	0.43	8.25	65
72870		0.220	0.30	1.27	82	0.63	7.61	68
72871		0.058	0.08	1.05	29	0.14	5.54	24
72872		0.198	0.31	1.45	96	0.54	6.80	91
72873		0.084	0.14	0.98	71	0.23	3.03	66
72874		0.042	0.19	4.12	35	0.16	6.88	216
72875		0.033	0.13	2.85	28	0.13	4.92	157
72876		0.041	0.16	2.32	38	0.17	4.40	226
72877		0.091	0.13	1.21	64	0.18	3.09	122
72878		0.080	0.16	1.56	69	0.24	3.70	112
72879		0.070	0.20	5.07	50	0.13	17.80	532
72880		0.076	0.19	1.45	56	0.21	4.43	76
72881		0.064	0.18	1.45	47	0.24	3.44	70
72882		0.053	0.20	1.71	39	0.19	4.28	96
72883		0.025	0.30	1.63	22	0.27	3.39	64
72884		0.054	0.19	0.87	56	0.28	2.80	44
72885		0.077	0.28	0.93	54	0.28	3.02	52
72886		0.071	0.28	1.06	46	0.51	5.17	67
72887		0.021	0.40	4.81	17	0.72	3.16	88
72888		0.059	0.50	3.27	44	0.42	6.37	123
72889		0.073	0.34	2.50	77	0.20	13.00	836
72890		0.063	0.54	2.75	77	0.20	18.50	608



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Sample Description	Method Analyte Units LOR	WEI-21	Au-TL42	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
72891		0.34	<0.001	0.54	1.91	23.6	<0.2	<10	130	0.67	0.48	0.21	0.48	69.6	7.2	28
72892		0.32	<0.001	0.86	1.78	69.4	<0.2	<10	130	0.73	0.44	0.21	0.51	104.0	5.0	23
72893		0.30	<0.001	0.27	1.53	19.2	<0.2	<10	100	0.60	0.36	0.18	0.33	84.3	6.0	21
72894		0.38	0.001	0.38	2.41	66.5	<0.2	<10	100	0.73	0.60	0.11	0.32	57.0	6.7	33
72895		0.34	0.002	0.22	1.81	88.6	<0.2	<10	100	0.62	0.39	0.17	0.60	56.6	10.9	39
72896		0.44	<0.001	0.27	1.84	22.7	<0.2	<10	120	0.36	0.28	0.19	0.24	47.1	7.8	66
72897		0.36	<0.001	0.26	1.75	18.1	<0.2	<10	130	0.24	0.33	0.22	0.33	26.2	6.8	60
72898		0.44	0.006	0.36	2.01	9.3	<0.2	<10	160	0.38	0.26	0.35	0.69	24.6	9.8	33
72899		0.52	<0.001	0.49	1.95	5.1	<0.2	<10	120	0.41	0.39	0.20	0.81	39.0	14.3	44
72900		0.52	0.004	0.18	1.91	8.0	<0.2	<10	140	0.38	0.39	0.24	0.23	26.6	13.1	31
73051		0.34	0.002	0.61	1.64	8.9	<0.2	<10	110	0.22	0.34	0.12	0.37	27.6	9.6	54
73052		0.42	0.002	0.42	2.49	5.7	<0.2	<10	240	0.47	0.55	0.27	0.43	25.6	20.1	155
73053		0.32	<0.001	0.31	0.57	71.9	<0.2	<10	70	0.08	0.28	0.09	0.19	25.5	3.0	15
73054		0.30	<0.001	0.38	0.74	14.1	<0.2	<10	90	0.12	0.22	0.11	0.32	20.2	2.9	15
73055		0.36	<0.001	1.17	1.32	18.6	<0.2	<10	270	0.22	0.34	0.07	0.40	52.5	4.2	22
73056		0.28	<0.001	0.22	0.55	3.4	<0.2	<10	20	0.11	0.07	0.12	0.05	8.85	3.7	8
73057		0.36	<0.001	0.46	1.35	91.1	<0.2	<10	170	0.25	0.39	0.08	0.38	40.4	4.0	27
73058		0.36	<0.001	0.33	0.74	91.7	<0.2	<10	130	0.14	0.47	0.04	0.27	53.4	2.1	15
73059		0.40	<0.001	0.92	1.52	27.3	<0.2	<10	120	0.32	0.35	0.02	0.22	48.8	2.7	23
73060		0.34	0.002	0.26	2.29	21.4	<0.2	<10	140	0.45	0.31	0.11	0.28	26.4	9.9	31
73061		0.38	0.004	0.68	1.50	44.3	<0.2	<10	400	0.41	1.16	0.14	0.64	47.8	6.0	28
73062		0.36	0.003	0.38	1.57	61.9	<0.2	<10	100	0.28	0.41	0.09	0.20	27.7	4.1	26
73063		0.32	0.006	0.47	2.81	42.5	<0.2	<10	250	0.69	0.63	0.09	0.33	44.9	5.6	35
73064		0.44	0.002	0.66	1.52	46.5	<0.2	<10	270	0.43	0.62	0.13	0.38	52.9	7.1	35
73065		0.34	0.001	0.40	1.64	120.0	<0.2	<10	180	0.37	0.87	0.15	0.51	33.4	8.0	52
73066		0.34	0.011	31.5	1.87	806	<0.2	<10	230	0.79	12.25	0.29	2.46	43.3	9.5	52
73067		0.36	0.011	19.85	3.01	681	<0.2	<10	220	1.08	2.53	0.57	13.05	30.6	14.3	33
73068		0.40	0.007	1.40	2.53	608	<0.2	<10	180	0.87	1.54	0.57	12.90	30.8	18.7	23
73069		0.34	0.002	0.28	1.73	149.0	<0.2	<10	120	0.64	0.44	0.27	1.86	22.2	8.9	20
107451		0.38	<0.001	0.91	0.91	309	<0.2	<10	90	0.25	5.33	0.05	0.12	62.1	2.5	11
107452		0.36	<0.001	1.08	1.46	228	<0.2	<10	90	0.28	4.95	0.08	0.12	53.0	3.3	16
107453		0.32	<0.001	0.50	1.39	190.5	<0.2	<10	110	0.24	4.58	0.11	0.15	42.6	5.0	22
107454		0.36	<0.001	0.48	1.85	78.5	<0.2	<10	110	0.38	3.30	0.11	0.16	42.0	6.2	25
107455		0.34	<0.001	0.69	1.35	97.7	<0.2	<10	100	0.25	6.00	0.12	0.14	47.7	5.1	20
107456		0.34	0.006	0.70	1.24	122.5	<0.2	<10	80	0.23	6.96	0.09	0.14	64.8	3.6	16
107457		0.30	0.001	1.25	1.31	217	<0.2	<10	100	0.25	6.45	0.11	0.16	55.5	3.0	17
107458		0.28	<0.001	0.82	1.15	151.5	<0.2	<10	110	0.23	4.96	0.11	0.20	41.0	2.5	15
107459		0.32	0.004	0.66	1.63	234	<0.2	<10	150	0.41	4.63	0.16	0.24	44.7	6.2	23
107460		0.34	0.007	0.49	1.49	172.0	<0.2	<10	130	0.42	4.87	0.11	0.81	44.1	3.9	20
107461		0.32	0.002	0.62	2.34	105.5	<0.2	<10	310	0.69	2.78	0.26	4.37	30.5	11.9	45



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
72891		2.24	22.7	2.76	6.50	0.06	0.04	0.05	0.037	0.10	39.5	15.9	0.49	388	1.97
72892		4.07	22.1	2.35	5.55	0.09	0.05	0.04	0.031	0.09	70.0	13.6	0.49	218	2.52
72893		2.11	17.1	2.21	5.31	0.06	0.04	0.06	0.024	0.08	43.3	12.9	0.37	369	1.55
72894		3.09	20.2	3.58	7.80	0.07	0.13	0.04	0.052	0.08	28.0	20.3	0.53	340	3.76
72895		2.61	28.6	3.05	5.08	0.07	0.04	0.02	0.053	0.08	29.0	20.7	0.72	1000	3.15
72896		3.32	25.7	2.82	5.70	0.06	0.02	0.03	0.028	0.05	24.3	20.5	0.98	219	5.44
72897		2.42	24.0	2.68	6.96	0.05	<0.02	0.02	0.027	0.08	13.2	14.2	1.12	325	2.91
72898		1.90	47.0	2.92	5.87	0.06	0.05	0.03	0.027	0.11	12.2	15.2	0.91	286	1.68
72899		4.10	58.4	3.33	5.40	0.08	0.05	0.02	0.028	0.13	17.3	15.0	1.40	671	6.16
72900		1.75	52.8	3.28	5.82	0.06	0.03	0.02	0.028	0.08	12.6	14.7	0.95	588	1.60
73051		2.05	56.7	3.13	6.34	0.06	<0.02	0.06	0.032	0.08	11.1	9.5	1.11	451	3.99
73052		3.90	104.0	4.17	7.46	0.09	<0.02	0.02	0.028	0.41	12.9	16.2	2.18	708	2.15
73053		1.16	27.1	1.90	5.60	<0.05	<0.02	0.03	0.020	0.05	13.4	2.2	0.14	144	3.20
73054		1.22	30.8	1.87	5.32	<0.05	<0.02	0.05	0.020	0.04	10.8	2.5	0.18	143	2.67
73055		2.15	75.5	3.84	5.51	0.09	<0.02	0.04	0.037	0.13	27.7	6.8	0.58	318	7.69
73056		0.82	7.9	1.65	4.53	<0.05	<0.02	0.02	0.009	0.03	4.1	2.5	0.19	122	0.74
73057		2.15	60.3	3.43	8.27	0.07	<0.02	0.06	0.030	0.08	21.7	7.4	0.31	200	6.85
73058		1.40	52.3	2.96	7.31	0.07	<0.02	0.02	0.017	0.08	28.3	1.9	0.19	131	5.86
73059		2.64	105.5	3.73	5.91	0.09	<0.02	0.04	0.030	0.08	26.1	11.8	0.52	341	6.89
73060		1.35	39.4	3.33	7.09	0.05	0.03	0.05	0.035	0.06	12.9	15.1	0.46	351	2.41
73061		3.28	74.7	3.94	4.95	0.10	0.02	0.04	0.090	0.13	26.6	12.1	0.42	305	12.90
73062		1.50	28.5	3.40	8.39	0.05	<0.02	0.06	0.029	0.05	15.0	13.2	0.23	166	4.21
73063		3.31	78.9	4.33	7.86	0.08	0.03	0.09	0.057	0.08	23.4	19.0	0.40	263	5.61
73064		2.00	82.5	4.34	6.38	0.09	<0.02	0.03	0.037	0.11	28.8	11.4	0.73	330	6.41
73065		3.09	60.9	4.16	9.09	0.08	<0.02	0.03	0.049	0.13	18.4	11.3	0.67	391	6.05
73066		3.79	187.0	4.49	8.07	0.09	0.02	0.09	0.431	0.09	22.5	20.9	0.67	465	7.57
73067		6.32	130.5	4.31	10.40	0.07	0.02	0.10	0.201	0.23	16.0	25.7	0.93	771	4.82
73068		5.83	68.2	3.91	8.10	0.07	<0.02	0.06	0.046	0.24	15.6	20.6	0.72	774	6.09
73069		3.68	31.7	2.53	6.54	<0.05	<0.02	0.07	0.025	0.09	10.6	11.7	0.34	415	1.98
107451		1.06	53.2	2.32	4.51	0.05	0.03	0.04	0.046	0.15	40.4	8.9	0.20	134	2.38
107452		2.18	54.0	2.57	7.06	0.05	0.08	0.04	0.039	0.11	34.3	8.0	0.30	170	2.89
107453		1.15	27.5	2.84	6.40	0.05	0.08	0.04	0.028	0.10	24.7	9.5	0.31	206	3.17
107454		1.31	31.0	2.58	6.22	0.05	0.02	0.05	0.032	0.06	23.5	10.4	0.36	191	1.94
107455		1.55	41.9	2.45	5.47	0.05	0.04	0.03	0.033	0.08	28.2	8.7	0.35	205	2.27
107456		1.65	49.6	2.21	4.96	0.05	0.06	0.04	0.035	0.09	39.8	7.6	0.33	162	3.04
107457		1.59	48.3	1.97	4.97	0.05	0.03	0.05	0.033	0.07	33.2	7.2	0.31	128	2.48
107458		1.15	36.5	1.62	5.37	<0.05	<0.02	0.05	0.027	0.06	24.0	5.1	0.22	111	1.67
107459		1.49	43.8	2.43	5.11	0.05	0.05	0.03	0.033	0.08	25.2	11.2	0.42	270	1.69
107460		1.54	96.4	2.24	5.44	0.05	<0.02	0.05	0.035	0.06	25.2	11.8	0.31	151	2.13
107461		4.10	55.8	2.71	8.02	0.06	0.02	0.02	0.039	0.13	16.3	18.5	0.79	517	2.29



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
72891		1.81	21.0	600	150.0	25.3	<0.001	0.05	0.68	3.0	0.5	0.6	19.4	<0.01	0.03
72892		1.43	17.8	650	162.0	26.9	<0.001	0.05	0.75	2.7	0.8	0.5	19.6	<0.01	0.03
72893		1.52	16.3	520	70.3	22.4	<0.001	0.03	0.56	2.4	0.6	0.5	15.8	<0.01	0.03
72894		2.52	23.6	400	215	27.4	<0.001	0.03	0.96	3.2	0.7	0.7	10.6	<0.01	0.05
72895		1.47	36.0	480	181.0	21.4	<0.001	0.03	1.22	2.6	0.7	0.4	13.7	<0.01	0.04
72896		0.77	46.4	620	33.9	17.3	<0.001	0.03	0.89	2.6	0.9	0.5	14.8	<0.01	0.04
72897		0.73	31.1	420	22.2	18.0	<0.001	0.04	1.27	3.7	0.6	0.5	19.1	<0.01	0.05
72898		1.17	35.9	980	13.0	19.9	0.001	0.04	0.87	3.6	0.9	0.4	23.5	<0.01	0.05
72899		0.68	49.9	630	22.0	25.3	0.001	0.05	0.37	4.0	1.9	0.3	19.6	<0.01	0.07
72900		1.14	23.8	560	13.4	17.7	<0.001	0.05	0.45	3.6	0.8	0.4	21.1	<0.01	0.06
73051		0.79	41.6	1010	14.0	14.2	<0.001	0.14	0.47	1.9	2.2	0.5	16.9	<0.01	0.09
73052		0.80	64.7	670	11.4	37.4	<0.001	0.13	0.31	4.0	1.3	0.5	27.5	<0.01	0.18
73053		0.52	13.8	480	36.9	7.9	<0.001	0.07	1.24	1.2	1.4	0.5	16.9	<0.01	0.09
73054		0.31	11.3	710	17.4	8.7	<0.001	0.09	0.82	0.7	1.5	0.4	14.3	<0.01	0.06
73055		0.54	25.8	910	40.0	16.5	0.001	0.22	2.91	1.9	4.7	0.3	33.9	<0.01	0.21
73056		0.61	3.6	430	4.9	3.9	<0.001	0.02	0.20	1.0	0.4	0.3	9.6	<0.01	0.02
73057		0.44	20.1	910	108.0	11.6	<0.001	0.15	1.87	1.4	3.7	0.6	18.9	<0.01	0.11
73058		0.67	11.8	590	37.9	9.7	<0.001	0.15	1.04	1.3	2.4	0.5	18.2	<0.01	0.16
73059		0.46	19.0	630	22.2	16.0	<0.001	0.08	1.57	1.9	5.0	0.4	11.4	<0.01	0.16
73060		1.56	27.3	500	34.0	11.9	<0.001	0.05	1.09	4.0	1.1	0.5	14.3	0.01	0.07
73061		0.56	20.0	1720	71.0	17.6	0.001	0.26	1.93	2.2	5.8	0.4	30.7	<0.01	0.16
73062		1.55	11.7	580	24.1	9.8	<0.001	0.06	0.86	2.4	1.7	0.6	13.5	<0.01	0.08
73063		2.19	20.2	1010	18.5	16.5	<0.001	0.12	0.78	3.9	3.6	0.6	38.6	0.01	0.13
73064		1.28	30.1	1220	27.4	13.9	0.001	0.24	1.19	2.7	4.8	0.5	35.8	<0.01	0.17
73065		1.74	42.1	1000	56.5	17.5	0.001	0.21	1.48	3.2	3.0	0.7	63.8	<0.01	0.16
73066		0.86	64.9	1300	6460	19.9	0.001	0.22	39.5	4.0	5.7	1.0	54.4	0.01	0.16
73067		1.43	32.5	940	3850	28.9	<0.001	0.15	129.0	7.5	1.7	1.7	94.0	<0.01	0.14
73068		1.01	27.9	840	628	28.9	<0.001	0.14	93.9	6.6	1.7	0.8	94.2	0.01	0.10
73069		0.83	20.1	830	66.9	14.9	<0.001	0.09	8.57	2.1	1.0	0.4	65.3	0.01	0.07
107451		1.22	7.0	240	189.5	22.6	<0.001	0.22	1.92	1.4	0.4	0.5	12.1	<0.01	0.11
107452		2.29	9.3	290	134.0	21.2	<0.001	0.14	3.01	2.2	0.5	0.9	11.1	<0.01	0.08
107453		1.58	12.8	360	89.2	15.2	<0.001	0.15	4.49	2.9	0.5	0.5	13.3	<0.01	0.07
107454		0.80	15.5	460	64.1	11.7	<0.001	0.07	1.22	2.3	0.6	0.5	11.9	<0.01	0.06
107455		1.10	13.7	440	143.5	15.2	<0.001	0.08	2.07	2.5	0.4	0.5	13.8	<0.01	0.08
107456		1.22	10.0	380	187.5	18.0	<0.001	0.08	2.52	2.2	0.5	0.5	12.9	<0.01	0.09
107457		0.91	9.5	420	162.5	16.6	<0.001	0.06	2.25	1.8	0.5	0.5	13.1	<0.01	0.09
107458		0.47	7.8	530	113.0	14.1	<0.001	0.04	1.48	0.8	0.5	0.5	13.8	<0.01	0.07
107459		1.07	15.8	700	91.2	15.2	<0.001	0.05	2.01	3.0	0.6	0.5	17.2	<0.01	0.08
107460		0.58	13.9	550	93.5	17.9	<0.001	0.04	1.62	1.4	0.8	0.5	13.8	<0.01	0.09
107461		1.19	32.4	630	65.4	27.2	<0.001	0.04	2.68	4.7	0.8	0.6	43.5	<0.01	0.07



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn
		%	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2
								0.5
72891		0.064	0.19	3.66	52	0.34	8.02	146
72892		0.054	0.21	7.25	42	0.27	13.40	146
72893		0.054	0.17	3.30	43	0.23	8.54	90
72894		0.046	0.25	2.34	58	0.22	6.24	153
72895		0.040	0.21	1.26	41	0.19	6.28	169
72896		0.034	0.25	1.24	50	0.19	5.42	104
72897		0.066	0.14	0.83	57	0.15	4.46	122
72898		0.090	0.16	0.99	55	0.18	6.92	159
72899		0.071	0.30	1.51	48	0.19	9.60	127
72900		0.081	0.13	1.10	55	0.21	8.73	82
73051		0.057	0.11	2.34	64	0.15	5.33	86
73052		0.120	0.27	1.07	78	0.11	6.95	130
73053		0.043	0.09	0.99	55	0.18	2.37	69
73054		0.029	0.09	1.29	40	0.13	2.37	48
73055		0.039	0.20	3.49	46	0.17	4.47	139
73056		0.066	0.05	0.30	36	0.08	1.93	32
73057		0.035	0.18	3.49	84	0.22	4.82	98
73058		0.058	0.13	1.81	83	0.15	3.45	67
73059		0.022	0.21	2.12	66	0.15	3.01	149
73060		0.074	0.14	1.43	63	0.24	3.73	70
73061		0.027	0.23	4.52	57	0.36	10.20	99
73062		0.058	0.13	1.16	73	0.29	3.32	38
73063		0.054	0.19	3.39	63	0.24	6.73	67
73064		0.067	0.13	3.11	60	0.18	8.86	105
73065		0.101	0.20	2.17	95	0.22	5.54	180
73066		0.045	0.33	3.10	87	0.34	19.90	614
73067		0.100	0.44	2.03	79	0.16	12.55	1370
73068		0.072	0.49	1.88	65	0.15	9.15	834
73069		0.048	0.23	1.09	47	0.11	5.33	218
107451		0.039	0.30	1.07	26	0.35	2.32	32
107452		0.053	0.31	1.39	41	0.21	2.58	34
107453		0.070	0.18	1.12	51	0.23	2.97	41
107454		0.045	0.16	1.28	49	0.22	4.41	44
107455		0.053	0.19	1.74	42	0.18	3.72	47
107456		0.048	0.21	2.24	34	0.15	3.61	45
107457		0.040	0.21	2.80	31	0.14	3.93	41
107458		0.024	0.16	1.82	31	0.13	3.51	36
107459		0.054	0.20	2.19	42	0.21	5.32	62
107460		0.031	0.22	3.31	38	0.20	8.33	54
107461		0.079	0.59	1.91	64	0.44	6.42	363



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Sample Description	Method Analyte Units LOR	WEI-21	Au-TL42	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
107462		0.32	<0.001	0.15	1.89	23.8	<0.2	<10	160	0.54	0.82	0.21	0.69	31.5	8.4	29
107463		0.34	<0.001	0.21	1.63	27.3	<0.2	<10	130	0.42	0.91	0.20	0.63	31.4	6.1	24
107464		0.36	0.002	0.16	1.77	117.5	<0.2	<10	210	0.51	1.16	0.21	0.75	30.4	8.9	29
107465		0.32	0.005	0.23	2.07	98.8	<0.2	<10	210	0.56	1.05	0.23	0.57	33.9	9.3	33
107466		0.40	0.006	0.23	2.41	90.1	<0.2	<10	250	0.64	1.09	0.22	0.34	33.4	10.9	39
107467		0.38	0.004	0.21	2.98	59.4	<0.2	<10	370	0.83	0.78	0.32	0.29	28.8	14.6	64
107468		0.36	0.005	0.45	3.35	88.2	<0.2	<10	320	1.09	0.82	0.72	0.54	30.6	15.3	62
107469		0.32	0.002	0.08	1.90	35.8	<0.2	<10	90	0.39	0.41	0.13	0.18	26.4	6.2	29
107470		0.34	0.005	0.08	2.50	65.0	<0.2	<10	170	0.80	0.32	0.30	0.20	30.1	12.0	38
107471		0.26	0.003	0.13	1.78	39.3	<0.2	<10	100	0.37	0.52	0.13	0.18	20.0	5.9	27
107472		0.26	0.002	0.10	2.31	27.7	<0.2	<10	170	0.70	0.24	0.22	0.15	27.2	9.3	33
107473		0.32	0.002	0.08	3.03	30.2	<0.2	<10	200	0.92	1.02	0.28	0.17	30.7	11.6	47
107474		0.32	0.003	0.11	2.16	15.8	<0.2	<10	210	0.78	0.31	0.35	0.15	35.4	9.6	42
107475		0.36	0.002	0.05	2.08	15.1	<0.2	<10	120	0.41	0.23	0.19	0.14	23.2	6.5	34
107476		0.32	0.002	0.10	2.34	10.5	<0.2	<10	170	0.67	0.28	0.38	0.20	25.4	7.0	25
107477		0.34	0.002	0.05	2.03	7.8	<0.2	<10	140	0.43	0.17	0.30	0.13	22.9	5.8	20
107478		0.36	0.001	0.04	2.27	15.8	<0.2	<10	170	0.49	0.26	0.64	0.17	24.0	5.5	17
107479		0.34	0.001	0.04	1.72	17.2	<0.2	<10	120	0.58	0.25	0.46	0.17	26.3	6.4	13
107480		0.42	0.002	0.07	2.35	85.3	<0.2	<10	110	0.71	0.66	0.40	0.19	26.3	7.2	20
107481		0.36	0.002	0.20	2.50	169.5	<0.2	<10	140	1.32	3.17	0.47	0.78	34.3	10.5	21
107482		0.36	0.002	0.07	1.64	15.8	<0.2	<10	90	0.43	0.49	0.12	0.16	36.0	7.2	19
107483		0.36	0.003	0.06	2.71	15.2	<0.2	<10	160	0.99	1.23	0.29	0.24	40.1	8.5	20
107484		0.32	0.003	0.25	1.65	96.6	<0.2	<10	150	0.76	1.20	0.34	0.35	37.1	6.0	20
107485		0.28	0.005	0.10	1.91	19.8	<0.2	<10	160	0.54	0.54	0.19	0.20	24.0	6.5	28
107486		0.32	0.001	0.16	1.85	13.4	<0.2	<10	150	0.53	0.57	0.17	0.14	24.4	6.4	27
107487		0.32	0.003	0.21	2.36	43.7	<0.2	<10	160	0.73	0.55	0.16	0.43	23.8	6.6	22
107488		0.34	0.003	0.31	2.54	28.4	<0.2	<10	130	0.63	0.49	0.18	0.43	20.7	8.1	28
107489		0.32	0.003	0.43	1.79	50.8	<0.2	<10	190	0.60	0.61	0.22	0.57	26.7	5.5	22
107490		0.36	0.002	0.35	1.78	63.1	<0.2	<10	100	0.39	0.84	0.18	0.26	18.30	5.6	20
107491		0.36	0.002	0.16	2.11	42.3	<0.2	<10	150	0.65	0.75	0.33	0.29	23.9	6.1	20
107492		0.34	0.003	0.29	2.84	72.5	<0.2	<10	200	1.19	0.96	0.25	0.51	25.5	8.5	30
107493		0.38	0.002	0.23	2.02	74.2	<0.2	<10	170	0.68	0.78	0.33	0.35	25.1	7.0	22
107494		0.42	0.003	0.27	1.79	54.8	<0.2	<10	150	0.68	1.36	0.52	0.35	37.5	10.0	21
107495		0.32	0.004	1.68	2.18	109.5	<0.2	<10	160	1.23	1.41	0.53	0.41	29.0	6.7	22
107496		0.32	0.003	0.24	2.02	21.6	<0.2	<10	220	0.65	0.31	0.24	0.25	33.0	8.2	29
107497		0.30	0.001	0.61	2.28	39.4	<0.2	<10	160	0.44	0.52	0.22	0.66	21.5	12.3	31



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CERTIFICATE OF ANALYSIS VA09111375

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
107462		1.48	24.2	2.65	6.42	0.05	0.02	0.03	0.028	0.06	16.6	12.4	0.50	332	1.04
107463		1.38	20.2	2.27	6.14	0.05	0.02	0.02	0.025	0.06	17.4	11.9	0.46	218	0.91
107464		1.78	44.4	2.61	6.23	0.06	0.02	0.02	0.028	0.07	15.5	13.3	0.51	356	1.63
107465		1.94	39.7	2.87	6.66	0.06	0.03	0.03	0.032	0.08	17.0	15.4	0.57	335	1.88
107466		2.74	44.4	3.19	8.06	0.06	0.02	0.03	0.032	0.08	16.7	20.0	0.66	380	2.18
107467		4.14	59.1	3.57	10.15	0.08	0.03	0.02	0.032	0.25	14.5	22.1	0.96	479	3.07
107468		4.75	62.0	3.58	11.80	0.09	0.03	0.02	0.033	0.28	15.3	25.8	0.92	517	2.83
107469		2.41	11.9	3.03	11.70	0.05	0.04	0.03	0.024	0.08	13.5	13.2	0.38	290	1.18
107470		2.54	26.1	3.07	8.14	0.06	0.04	0.03	0.027	0.14	15.1	25.7	0.62	406	0.75
107471		1.75	20.5	3.10	11.55	<0.05	0.05	0.02	0.025	0.07	10.1	11.3	0.31	224	1.73
107472		2.70	23.7	2.59	8.66	<0.05	0.03	0.03	0.026	0.14	13.5	14.5	0.46	280	0.89
107473		3.92	28.1	3.43	11.00	0.07	0.04	0.02	0.035	0.28	14.7	21.7	0.73	330	0.80
107474		2.80	24.5	2.83	7.21	<0.05	0.04	0.02	0.025	0.19	18.5	18.2	0.69	292	0.67
107475		1.81	14.9	2.98	7.36	<0.05	0.03	0.04	0.024	0.08	12.1	17.7	0.46	197	1.00
107476		2.58	20.8	2.88	8.48	<0.05	0.02	0.04	0.022	0.08	13.1	15.5	0.39	253	1.36
107477		2.42	12.7	2.57	8.02	<0.05	0.03	0.04	0.024	0.06	12.0	15.6	0.35	212	0.87
107478		3.78	13.8	2.45	7.75	<0.05	0.03	0.02	0.023	0.08	13.1	15.4	0.42	197	0.64
107479		2.39	13.0	2.80	7.54	<0.05	0.03	0.01	0.021	0.06	16.5	13.8	0.35	329	1.02
107480		2.37	20.5	2.97	9.63	<0.05	0.03	0.03	0.027	0.05	15.6	15.5	0.38	381	1.68
107481		2.35	57.1	3.28	7.55	<0.05	0.05	0.03	0.038	0.08	20.0	19.0	0.49	475	2.48
107482		2.25	12.3	2.47	6.90	<0.05	0.02	0.03	0.023	0.04	11.0	9.9	0.26	588	1.54
107483		4.10	20.2	2.66	5.97	<0.05	0.11	0.04	0.027	0.04	18.3	17.4	0.37	425	0.84
107484		2.22	23.4	2.31	5.07	<0.05	0.03	0.02	0.029	0.04	20.2	13.0	0.39	356	0.91
107485		1.49	19.4	2.57	5.97	<0.05	0.02	0.03	0.023	0.05	12.8	13.1	0.42	278	1.04
107486		1.30	21.6	2.53	6.17	<0.05	0.02	0.02	0.024	0.04	13.1	12.7	0.41	263	1.13
107487		1.86	18.0	2.57	6.74	<0.05	0.02	0.02	0.030	0.04	12.3	14.9	0.34	284	1.51
107488		2.86	18.1	3.31	7.45	<0.05	0.07	0.03	0.029	0.05	10.7	23.0	0.47	298	2.13
107489		2.00	22.3	2.39	6.93	<0.05	<0.02	0.02	0.025	0.05	14.8	11.7	0.34	280	2.33
107490		3.00	22.1	3.01	8.28	<0.05	0.05	0.03	0.029	0.05	10.5	14.2	0.43	315	3.87
107491		4.35	23.6	2.89	7.97	<0.05	0.05	0.03	0.023	0.06	15.0	21.1	0.50	290	2.99
107492		4.06	24.8	3.48	9.51	<0.05	0.09	0.03	0.032	0.07	14.6	26.8	0.56	375	3.60
107493		3.25	17.0	2.88	8.19	<0.05	0.06	0.02	0.024	0.06	16.5	20.8	0.52	348	2.89
107494		3.07	32.6	3.44	7.15	0.05	0.04	0.02	0.034	0.10	24.9	22.8	0.58	498	2.67
107495		3.73	27.5	2.68	7.84	<0.05	0.03	0.05	0.029	0.06	19.4	22.0	0.45	362	6.39
107496		1.34	25.7	2.81	6.51	<0.05	0.03	0.03	0.026	0.05	17.8	16.9	0.48	284	1.19
107497		1.72	16.3	3.30	7.96	<0.05	0.03	0.03	0.026	0.05	11.0	18.3	0.48	660	1.82



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CERTIFICATE OF ANALYSIS VA09111375

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm 0.05	ppm 0.2	ppm 10	ppm 0.2	ppm 0.1	ppm 0.001	% 0.01	ppm 0.05	ppm 0.1	ppm 0.2	ppm 0.2	ppm 0.2	ppm 0.01	ppm 0.01	ppm 0.2
107462		0.91	20.3	590	24.0	13.8	<0.001	0.02	0.86	3.1	0.6	0.5	19.8	<0.01	0.04	1.3
107463		1.00	18.3	530	43.8	13.4	<0.001	0.02	0.99	2.9	0.4	0.5	20.5	<0.01	0.04	2.0
107464		0.89	22.3	610	44.6	15.3	<0.001	0.03	1.62	3.4	0.8	0.5	22.8	<0.01	0.06	1.6
107465		1.09	25.3	720	47.8	16.0	<0.001	0.03	1.56	4.6	0.9	0.5	21.8	<0.01	0.06	2.7
107466		1.12	31.0	710	31.2	17.6	<0.001	0.03	1.66	4.8	0.9	0.5	30.1	<0.01	0.08	1.9
107467		3.08	50.3	870	18.9	28.5	<0.001	0.06	0.84	7.5	1.2	0.5	50.7	<0.01	0.10	3.4
107468		2.40	56.6	980	34.1	30.9	0.001	0.05	0.77	7.6	1.3	0.7	75.2	<0.01	0.10	3.0
107469		2.95	14.4	310	18.1	16.3	<0.001	0.03	0.52	4.0	0.4	1.0	25.1	0.01	0.05	3.2
107470		2.30	25.5	550	27.2	22.9	<0.001	0.02	0.62	5.4	0.4	0.7	38.6	0.01	0.04	4.7
107471		3.35	15.0	320	22.5	15.5	<0.001	0.02	0.60	3.3	0.4	1.0	27.0	0.01	0.05	2.6
107472		3.18	21.2	470	13.8	25.8	<0.001	0.03	0.38	4.6	0.6	0.8	46.0	0.01	0.04	2.5
107473		5.10	29.2	360	14.3	42.5	<0.001	0.02	0.42	7.0	0.4	1.0	57.3	0.01	0.04	4.1
107474		2.44	24.1	550	11.8	31.0	<0.001	0.02	0.40	6.3	0.5	0.7	44.3	0.01	0.02	3.8
107475		1.68	16.0	450	12.5	14.9	<0.001	0.03	0.45	3.4	0.5	0.6	22.9	<0.01	0.03	1.3
107476		1.42	13.0	770	13.6	15.9	<0.001	0.03	0.44	3.1	0.5	0.6	55.0	0.01	0.05	1.3
107477		1.92	9.9	560	14.9	11.2	<0.001	0.02	0.34	2.8	0.4	0.6	45.7	0.02	0.03	2.6
107478		2.01	9.2	720	31.2	14.2	<0.001	0.02	0.31	3.0	0.4	0.5	127.5	0.01	0.02	2.7
107479		1.88	8.0	810	29.1	11.5	<0.001	0.01	0.31	2.6	0.3	0.6	142.0	0.01	0.02	8.3
107480		1.36	10.9	950	33.7	10.9	<0.001	0.02	0.39	3.3	0.5	0.6	89.8	0.01	0.05	5.3
107481		1.86	15.4	880	61.5	15.6	<0.001	0.02	0.68	4.6	0.5	0.6	89.0	0.01	0.03	9.4
107482		1.67	10.5	360	15.4	7.9	<0.001	0.02	0.39	2.4	0.4	0.6	29.2	<0.01	0.03	4.9
107483		1.11	13.8	310	18.2	7.9	<0.001	0.01	0.50	4.0	0.4	0.4	166.0	0.01	0.03	15.3
107484		0.91	13.3	380	90.3	7.6	<0.001	0.01	0.68	3.9	0.3	0.4	84.5	0.01	0.02	7.5
107485		0.98	16.4	460	28.9	9.4	<0.001	0.02	0.49	3.2	0.6	0.5	42.8	<0.01	0.02	2.7
107486		0.90	16.6	480	19.3	9.4	<0.001	0.01	0.46	3.0	0.4	0.5	32.3	<0.01	0.03	1.6
107487		1.04	13.6	490	58.4	9.3	<0.001	0.02	0.68	2.7	0.3	0.5	64.0	<0.01	0.03	2.7
107488		1.58	16.1	310	32.0	12.0	<0.001	0.01	0.59	3.7	0.4	0.6	44.6	<0.01	0.04	7.0
107489		0.84	12.2	570	52.5	14.9	<0.001	0.01	0.71	2.7	0.4	0.6	62.8	<0.01	0.04	1.4
107490		1.68	10.7	530	50.2	15.9	<0.001	0.02	0.79	2.8	0.3	0.5	58.5	<0.01	0.04	6.8
107491		1.74	11.8	490	54.2	15.3	<0.001	0.01	0.76	3.2	0.3	0.5	88.9	0.01	0.03	11.6
107492		1.77	18.6	400	65.5	21.3	<0.001	0.01	0.82	4.3	0.4	0.7	53.3	<0.01	0.05	11.3
107493		1.76	12.4	580	60.3	17.9	<0.001	0.01	0.62	3.3	0.3	0.5	95.6	<0.01	0.03	11.0
107494		1.23	13.2	1240	142.5	19.5	<0.001	0.01	0.79	3.8	0.3	0.5	93.3	0.01	0.03	22.4
107495		1.24	12.9	810	221	16.1	<0.001	0.02	1.36	3.9	0.4	0.5	86.2	0.01	0.02	10.9
107496		1.01	18.3	590	31.5	9.9	<0.001	0.01	0.49	4.0	0.5	0.5	33.2	<0.01	0.04	2.2
107497		1.69	15.8	750	39.3	13.9	<0.001	0.02	0.59	3.4	0.4	0.6	41.2	<0.01	0.04	4.5



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
107462		0.064	0.19	1.76	56	0.81	5.71	87	0.7
107463		0.064	0.15	1.51	48	0.25	5.00	89	0.7
107464		0.067	0.21	1.45	59	0.19	6.56	95	0.7
107465		0.077	0.22	1.52	65	0.25	7.25	97	1.2
107466		0.075	0.28	1.68	74	0.22	7.55	97	0.9
107467		0.152	0.39	1.75	102	0.22	7.99	113	1.3
107468		0.144	0.37	2.23	118	0.23	8.83	134	0.9
107469		0.115	0.17	0.62	81	0.29	3.50	50	1.7
107470		0.103	0.23	0.97	61	0.29	5.60	83	1.4
107471		0.124	0.15	0.64	84	0.36	2.42	53	2.1
107472		0.120	0.19	0.89	54	0.26	4.83	64	1.0
107473		0.186	0.33	0.88	65	0.32	4.93	77	1.4
107474		0.147	0.26	1.23	58	0.32	8.71	66	1.0
107475		0.087	0.15	0.71	66	0.24	3.80	50	0.8
107476		0.086	0.15	2.10	70	1.96	4.44	42	0.7
107477		0.095	0.14	1.26	65	0.37	3.67	36	0.8
107478		0.110	0.17	1.14	61	0.26	4.23	56	0.7
107479		0.089	0.11	1.49	66	0.25	3.55	49	0.7
107480		0.073	0.16	1.46	71	0.31	3.11	56	0.6
107481		0.082	0.23	1.74	65	0.34	4.57	111	1.5
107482		0.068	0.10	1.43	55	0.44	3.64	46	0.9
107483		0.043	0.10	1.31	43	0.20	4.75	46	3.7
107484		0.055	0.10	1.82	44	0.22	5.70	94	1.1
107485		0.071	0.10	1.09	58	0.27	3.76	59	0.7
107486		0.066	0.11	1.20	58	0.29	4.33	53	0.6
107487		0.051	0.11	0.99	51	0.43	3.22	72	<0.5
107488		0.079	0.12	0.92	67	0.75	3.02	74	2.7
107489		0.059	0.12	1.50	54	1.53	4.32	74	<0.5
107490		0.094	0.11	0.99	66	2.78	2.33	70	1.6
107491		0.091	0.15	1.32	59	5.34	3.20	75	1.5
107492		0.089	0.16	1.72	74	2.61	4.04	97	3.3
107493		0.098	0.14	1.45	63	2.90	3.26	79	1.9
107494		0.098	0.16	3.03	71	3.37	4.66	82	1.3
107495		0.082	0.14	4.72	59	1.86	4.77	95	0.9
107496		0.077	0.11	2.90	61	1.12	6.91	57	0.7
107497		0.091	0.12	0.84	69	1.44	2.63	85	1.0

