

Rimfire Minerals Corporation

**2004 GEOLOGICAL AND GEOCHEMICAL
REPORT ON THE LJ AND SUTLAHINE
PROPERTIES**

Volume I – Text

Located between the Sutlahine River & Taku River Area
Atlin Mining Division
NTS 104K/064, 065, 066, 074, 075, 076
58° 44' North Latitude
133° 12' West Longitude

-prepared for-

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SUMMARY

The Sutlahine and LJ properties consist of 12 claims (219 units) and 24 claims (480 units) respectively, covering approximately 170 km² of mountainous terrain in northwestern British Columbia, 95 km southeast of Atlin. Access to the property is by float-plane and helicopter, with the nearest road 70 km to the southeast. Rimfire Minerals Corporation (Rimfire) has 100% interest in the property.

Parts of the Sutlahine and LJ properties have been sporadically explored since 1970. In the fall of 2003 and spring of 2004 Rimfire staked the Sutlahine and LJ properties to the northwest of the Thorn property, based on favourable regional geochemical stream sediment survey (RGS) data and similar geology to that of the Thorn property. In 2004 Rimfire initiated a regional reconnaissance prospecting, geological mapping and soil sampling program to evaluate the mineralization potential of these properties. Exploration of these properties was based out of four consecutive four man fly camps around which approximately 6km² of ground could be explored, leaving the majority of the property unexplored.

Geologically the properties are located on the eastern flank of the Stikine Terrane. Locally this part of the Stikine Terrane is comprised of the Upper Triassic Stuhini Group submarine mafic volcanic and sedimentary rocks, overlain by Upper Triassic Sinwa Formation limestone and lesser argillitic rocks, all of which is unconformably overlain by Lower to Middle Jurassic Laberge Group clastic sedimentary rocks. Plutonic rocks are known to intrude these strata in three distinct time periods, ca. 165Ma, ca. 81-93Ma and ca. 55Ma. The Late Cretaceous (81-93Ma) magmatic event comprises the majority of the intrusive rocks in the area, and is locally comagmatic with subaerial volcanic rocks. These rocks form a northwest trending volcanoplutonic arc that runs through the properties. Hydrothermal alteration associated with Late Cretaceous magmatism is known from the Golden Bear Mine 65 km to the southeast and the Red Cap and Zohini showings to the west of the Sutlahine to LJ properties.

During the 2004 program a total of 85 rock samples, 92 stream sediment samples and 504 soil samples were taken. Geological highlights include discovery of several precious metal rich base metal veins, a zone of precious metal rich silicified sedimentary rock, Fe-Zn skarn and sedimentary hosted Au bearing disseminated sulphide. Precious metal rich base metal quartz veins are typically hosted by steeply dipping normal faults in Stuhini and Laberge Group strata. Most of these veins occur around the previously explored Joly and Jak showings, however exploration in 2004 discovered new veins and also extended the known showings along an east-west trending lineament that extends at least as far as King Salmon Lake to the east. Typical sulphide mineralogy includes pyrite, arsenopyrite, galena, sphalerite and lesser chalcopyrite. These veins return assays of up to 3.3g/t Au, 158g/t Ag, 5.88% Pb and 3.32% Zn.

On the Sutlahine 9 claim a zone of silicified vein breccia was discovered. This zone covers an approximate area of 400m x 50m of patchy silicified sedimentary rock. Silicified zones are hosted in Laberge Group clastic sedimentary rocks and are spatially associated with quartz-feldspar-biotite porphyritic dykes. Outwards of the core silicified area, silicified vein breccia occurs in narrow fault zones trending 110°. Porphyritic dykes trend 340°, dip steeply and range from 3-15m wide; it is unclear if the dykes serve as brittle conduits for mineralizing fluids to pass or if they supply the fluids hydrothermally altering/mineralizing the host rocks. Sulphide minerals occur in veins and as disseminations in brecciated host rock and include pyrite, arsenopyrite, sphalerite, galena and trace sulphosalt. Several samples from this zone returned assays between 0.8g/t and 4g/t Au, while one returned 13.35g/t Au and another 1255g/t Ag. The distribution of precious metals within vein breccia is sporadic and not understood.

Additionally, several isolated samples from the properties need to be followed up on. These include a float sample at the south base of Mt. Lester Jones which assayed 3.56% Pb, 3.22% Zn, and 55.3 g/t Ag and a sedimentary hosted disseminated sulphide grab sample which assayed 10.7 g/t Au. Also of interest are samples of Fe-Zn skarn, Cu bearing carbonate rock and Ag-Zn-Pb bearing carbonate veins.

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1.0 INTRODUCTION

The Sutlahine and LJ properties cover a region of prospective geology and geochemistry as defined by the federal-provincial RGS program in the King Salmon Lake area of northwestern British Columbia (Figure 1), which has been sporadically explored since 1970 for a wide range of targets. The property was staked based upon geological similarities to the Thorn property (located 24km to the southeast), and RGS geochemistry along a belt of Late Cretaceous volcanic and subvolcanic intrusive rocks. Rimfire Minerals Corporation acquired the property in 2003 and early 2004 aiming to explore for similar mineralizing styles observed on the Thorn property, including high sulphidation epithermal gold-silver-copper mineralization and breccia hosted silver-gold-lead mineralization. In 2004, Rimfire carried out a regional mapping, prospecting and soil-silt geochemical survey over four short fly camps and a one day silt sampling “blitz” with a helicopter. Equity Engineering Ltd. was contracted to execute the 2004 exploration program and has been retained to report on their results.

2.0 PROPERTY TITLE

The Sutlahine and LJ properties (Figure 2) comprise 12 mineral claims totalling 219 units and 24 mineral claims totalling 480 units respectively (Table 2.0.1). The property is located within the Atlin Mining Division of British Columbia. Records of the British Columbia Ministry of Energy and Mines indicate all claims are owned by Rimfire Minerals Corporation. Separate documents indicate that portions of the SUTL 14 and 16 claims are held by Rimfire and Cangold Limited.

Table 2.0.1. Claim Data

Name	Ownership	Mineral Tenure	Units	Record Date	Expiry Date
LJ 1	Rimfire	406292	20	November 1, 2003	December 31, 2006 ¹
LJ 2	Rimfire	406293	20	November 1, 2003	December 31, 2006 ¹
LJ 3	Rimfire	406294	20	November 1, 2003	December 31, 2006 ¹
LJ 4	Rimfire	406295	20	November 1, 2003	December 31, 2006 ¹
LJ 5	Rimfire	406296	20	November 1, 2003	December 31, 2006 ¹
LJ 6	Rimfire	406297	20	November 1, 2003	December 31, 2006 ¹
LJ 7	Rimfire	406298	20	November 1, 2003	December 31, 2006 ¹
LJ 8	Rimfire	406299	20	November 1, 2003	December 31, 2006 ¹
LJ 9	Rimfire	406300	20	November 1, 2003	December 31, 2006 ¹
LJ 10	Rimfire	406301	20	November 1, 2003	December 31, 2006 ¹
LJ 11	Rimfire	406302	20	November 1, 2003	December 31, 2006 ¹
LJ 12	Rimfire	406303	20	November 1, 2003	December 31, 2006 ¹
LJ 13	Rimfire	406304	20	November 2, 2003	December 31, 2006 ¹
LJ 14	Rimfire	406305	20	November 2, 2003	December 31, 2006 ¹
LJ 15	Rimfire	406306	20	November 2, 2003	December 31, 2006 ¹
LJ 16	Rimfire	406307	20	November 2, 2003	December 31, 2006 ¹
LJ 17	Rimfire	410252	20	May 5, 2004	December 31, 2006 ¹
LJ 18	Rimfire	410253	20	May 5, 2004	December 31, 2006 ¹
LJ 19	Rimfire	410254	20	May 5, 2004	December 31, 2006 ¹
LJ 20	Rimfire	410255	20	May 5, 2004	December 31, 2006 ¹
LJ 21	Rimfire	410256	20	May 6, 2004	December 31, 2006 ¹
LJ 22	Rimfire	410257	20	May 6, 2004	December 31, 2006 ¹
LJ 23	Rimfire	410258	20	May 6, 2004	December 31, 2006 ¹
LJ 24	Rimfire	410259	20	May 6, 2004	December 31, 2006 ¹
SUTL 5	Rimfire	406308	20	October 31, 2003	December 31, 2006 ¹
SUTL 6	Rimfire	406309	20	October 31, 2003	December 31, 2006 ¹

Table 2.0.1. Claim Data (continued)

SUTL 7	Rimfire	406310	20	October 31, 2003	December 31, 2006 ¹
SUTL 8	Rimfire	406311	20	October 31, 2003	December 31, 2006 ¹
SUTL 9	Rimfire	406312	20	October 31, 2003	December 31, 2006 ¹
SUTL 10	Rimfire	406313	20	October 31, 2003	December 31, 2006 ¹
SUTL 11	Rimfire	406314	20	October 31, 2003	December 31, 2006 ¹
SUTL 12	Rimfire	406315	20	October 31, 2003	December 31, 2006 ¹
SUTL 13	Rimfire	410248	20	May 4, 2004	December 31, 2006 ¹
SUTL 14	Rimfire/ Cangold ²	410249	20	May 4, 2004	December 31, 2006 ¹
SUTL 15	Rimfire	410250	20	May 4, 2004	December 31, 2006 ¹
SUTL 16	Rimfire/ Cangold ³	410251	20	May 4, 2004	December 31, 2006 ¹
			699		

¹subject to approval of assessment work covered by this report

²14 units held 100% by Rimfire; 6 units held 49% by Rimfire & 51% by Cangold

³5 units held 100% by Rimfire; 15 units held 49% by Rimfire & 51% by Cangold

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Sutlahine and LJ properties lie in the Coast Range Mountains of northwestern British Columbia, approximately 95 km southeast of Atlin, 155 km northwest of Telegraph Creek and 170 km west of Dease Lake (Figure 1). The property lies within the Atlin Mining Division, centred at 58°44' north latitude and 133°12' west longitude. Cangold²

Access to the Sutlahine and LJ properties is by helicopter from bases in Atlin or Dease Lake. Float planes can land on King Salmon Lake, situated between the Sutlahine and LJ. An airstrip located at the Tulsequah Chief Mine (10 km northwest of the Sutlahine and LJ properties) provides access by plane on wheels. The Golden Bear Mine, 85 km to the southeast, provides the closest road access.

The main part of the Sutlahine property covers two mountains between King Salmon Lake to the north and the Sutlahine River to the south, for which the property is named, while the LJ property covers Mount Lester Jones and adjacent drainages. All major bodies of water on the properties are tributaries of the Sutlahine, Inklin and Taku Rivers. Elevations range from 60 m on the Taku River flood-plain (LJ 13 claim) to over 2380 m at the peak of Mount Lester Jones on the LJ 11 claim (Figure 2). The majority of the 2003 exploration program was carried out between 700 and 1600 m elevation.

Most of the property is below treeline, which lies at about 1200 m, and is covered by mature hemlock and spruce and locally fir with open patches of devil's club and tag alder. The southern part of the Sutlahine claims has recently been burnt. Both summer and winter temperatures are moderate although annual rainfall may exceed 200 cm and several metres of snow commonly fall at higher elevations. The property can be worked from early June until late October.



RIMFIRE MINERALS CORPORATION

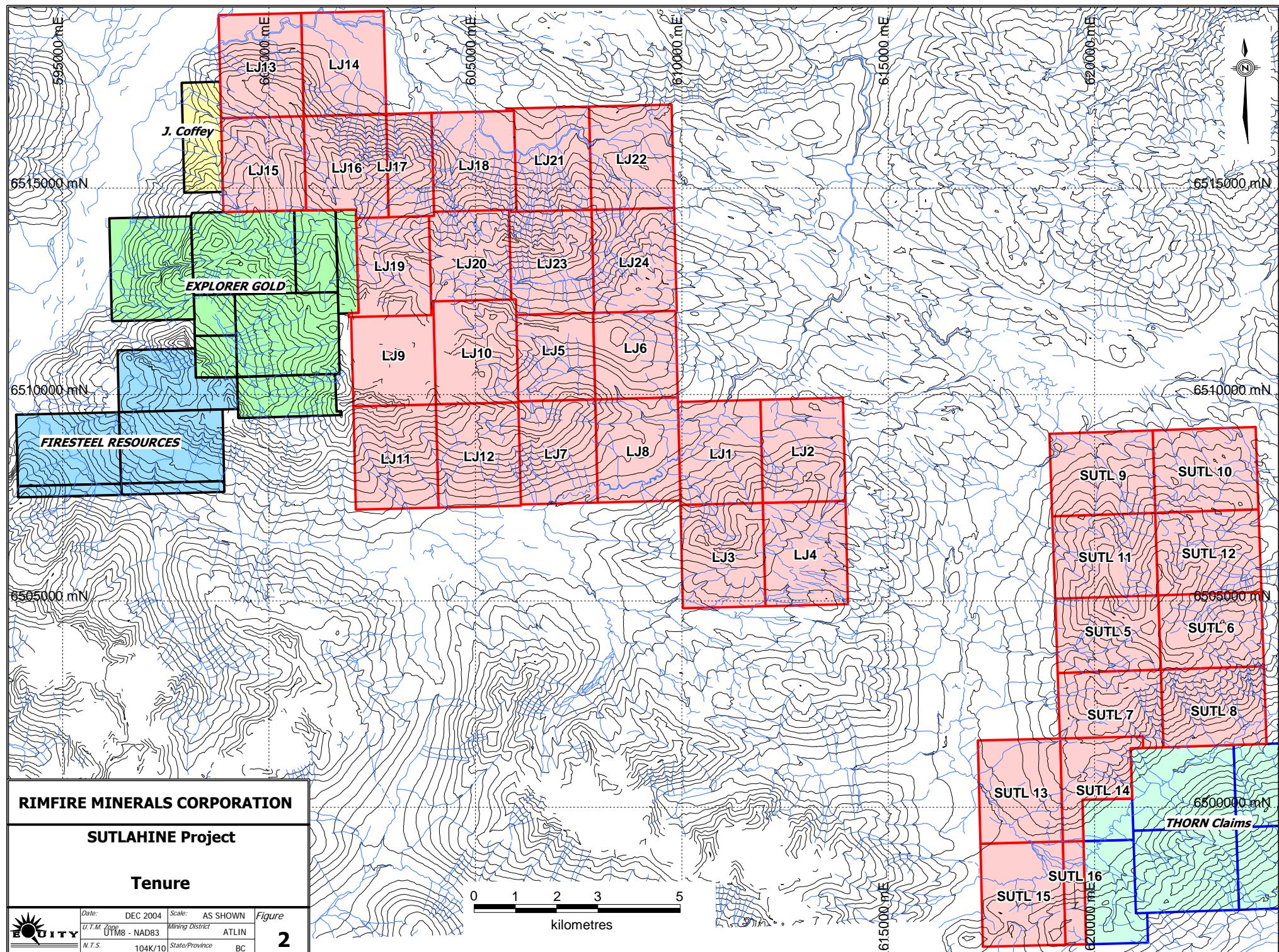
SUTLAHINE Project

**LOCATION
MAP**

0 75 150 300
kilometres



Date: U.T.M. Zone N.T.S.	DEC 2004 UTM8 - NAD83 104K/10	Scale: Mining District ATLIN	Figure State/Province BC
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4.0 PROPERTY EXPLORATION HISTORY

4.1 Previous Work

Table 4.1.1 summarizes all known exploration work carried out on the ground currently comprising the Sutlahine property.

Table 4.1.1. Sutlahine Exploration Programs

Program/Zones	Geochemistry	Geophysics	Drilling	Reference
Taku (1969) Sutl 5, 7	Silts			White (1970)
Taku (1970) Sutl 5, 7		Ground: 64 km magnetics		White (1970)
Noranda (1986) Sutl 5-7	14 silts, 12 talus fines, 22 rocks, 4 panned concentrates			Reid (1987)
Cominco (1988) Sutl 13-16				Smith (1989)
Cominco (1989) Sutl 13-16	10 silts, 56 soils, 11 rocks			Smith (1989)
Solomon (1990) Sutl 5-12	13 silts, 250 soils, 57 rocks			Aspinall (1991)
Omega (1991) Sutl 6, 8	23 silts, 84 soils, 43 rocks			Chapman (1991)
Totals	>60 silts, 402 soils, >133 rocks, 4 panned concentrates	Ground: 64 km magnetics		

The earliest recorded work on the Sutlahine property was carried out in 1969 by the Taku Syndicate, a 5-company joint venture. No data is available from this program, but White (1970) reported Cu and Mo silt anomalies in creeks “radiating from slopes of the cirque valley” on the Sutl 5 and 7 claims. Taku carried out a ground magnetic survey over this area the following year, distinguishing vertical, northeast-trending magnetic lineations corresponding to magnetic feldspar porphyry dykes.

Noranda carried out a one-day reconnaissance of the same ground in 1986 (Reid, 1987). They reported bleached and silicified zones flanking felsic dykes with maximum values of 70 ppb Au, 13.2 ppm Ag, 1.3% Pb and 6200 ppm As.

Cominco Limited conducted a regional reconnaissance program in 1988. It is not known how many samples and from where sampling was conducted, however a sample of quartz-arsenopyrite vein was collected on the Bryar property (now the Sutl 13-16), which assayed 17.043 g/t Au (Smith, 1989). The ground was staked one year later, in order to follow up the aforementioned sample. During the 1989 program Smith (1989) described several thin quartz-arsenopyrite-pyrite veins that were predominantly

hosted in quartz-biotite-feldspar porphyry, which itself intruded into and hornfelsed Lower to Middle Jurassic Laberge Group clastic sedimentary rocks. Smith (1989) notes that these veins are less abundant in the sedimentary rocks, but that soil anomalies were recorded outside of the known mineralized gossans.

Solomon staked a package of King claims in 1990 corresponding to the western half of the current Sutl 5-12 property and extending westward. They concentrated on two gossans [NOTE: Gossan B is on Sutl 1-4 claims on the current area covered by the Thorn property to the southeast]: Zone C in the same cirque on Sutl 5 and 7 where Taku and Noranda did their work; and Zone A on Sutl 9 and 11. In Zone A, Solomon recognized a highly silicified and pyritic hornblende granodiorite, with traces of molybdenite, intruding sediments and andesitic pyroclastics rocks, themselves silicified near the contacts. Several styles of mineralization were recognized in Zone A, including a 1m fault zone (max. 100 ppb Au, 416 ppm Ag, 7.1% Cu) and skarn (max. 210 ppb Au, 103 ppm Ag, 0.87% Cu, 1.52% Pb and 4.36% Zn). A silt sample with 1220 ppb Au was taken from the projected strike of a lineament hosting a 5m chalcedonic quartz-carbonate breccia. One-sixth of the soil samples from Zone A exceeded 50 ppb Au, with maximum values of 490 ppb Au, 130.6 ppm Ag, 20632 ppm Cu, 3556 ppm Pb and 5691 ppm Zn. In Zone C, Solomon mapped hornfelsed pelitic rocks intruded by locally sericitized hornblende granodiorite, quartz-feldspar porphyry, quartz porphyry and monzonite. The more leucocratic varieties contain disseminated molybdenite. The most spectacular gossans are in creek gullies, exposed for up to 100m; exposures are fractured, sheared, silicified and locally argillized. Solomon described three 15cm quartz-carbonate veins from Zone C, the best of which returned 4121 ppm Cu, 1918 ppm Pb, 7627 ppm Zn, 167 ppm As, 9 ppb Au and 38 ppm Ag (Aspinall, 1991).

In 1991, Omega carried out limited mapping and geochemical sampling on their claim group immediately east of Solomon's King property. Results were generally low, with maximum soil values of 70 ppb Au, although a base metal anomaly (max. 1215 ppm Zn, 3253 ppm Pb, 535 ppm Cu and >2000 ppm As) was reported within a gossan straddling the contact zone between granodiorite, quartz-feldspar porphyry and volcanic rocks (Chapman, 1991).

Table 4.1.2 summarizes all known exploration work carried out on the ground currently comprising the LJ property.

Table 4.1.2. LJ Exploration Programs

Program/Claims	Geochemistry	Geophysics	Drilling	Reference
Anglo-Canadian (1980) LJ 1-4, 5-8	soils, silts, >23 rocks			Payne (1980)
Comaplex (1980) LJ 7	Silts, rocks			Lintott (1981)
Comaplex (1981) LJ 7			6 trenches, 9 DDH: 973m	Lintott (1981)
Georgia (1988) LJ 7, 8	61 soils			Lambert (1988)
Solomon (1990) LJ 20	167 soils, 2 silts, 25 rocks			Strain and Aspinall (1990)
Georgia (1991) LJ 7, 8		2.7 km VLF-EM		Terry (1991)

Table 4.1.2. LJ Exploration Programs (continued)

Solomon (1991) LJ 9-12	89 soils, 36 rocks			Aspinall (1991)
Georgia (1992) LJ 1-8	70 soils, 22 silts, 22 rocks			Terry (1992)
Xplorer (1998) LJ 5-12		5.075 km total magnetic field and HLEM		Lee (1998)
Xplorer (1998) LJ1-4		1.575 km total magnetic field and HLEM		Lee (1998b)
Xplorer (1998) LJ 5-12		1 km total magnetic field and HLEM		Lee (1998c)
Totals	>24 silts, >387 soils, >106 rocks	2.7 km VLF- EM, 7.65 km HLEWM and ground magnetics	6 trenches, 9 DDH: 973 m (3192 ft)	

The earliest recorded work on the LJ property was carried out in 1980 by Anglo-Canadian Mining (Payne, 1980), who discovered the Joly showing, a broad zone of carbonate alteration hosting a number of 5-10cm calcite-quartz-sulphide veins trending 090°. Their best sample from the Joly showing assayed 1.7 g/t Au, 271 g/t Ag, 1.0% Pb and 9.6% Zn. The Jak showing, 600m to the southeast, consists of an intensely fractured (main sets at 090° and 150°) and altered zone, with 1-2mm pyritic veins along most fractures of both sets. A few veins contain sphalerite, stibnite, chalcopyrite and galena. The best sample reported by Anglo-Canadian from the Jak showing assayed 17.8 g/t Au, 579 g/t Ag, 6.23% Pb, 2.55% Zn, 2.53% Sb, 0.65% As and 0.42% Cu.

Payne also describes the “Red Crater” on the current LJ 1-4 claims, where two small plugs of partly sericitized biotite-hornblende diorite intrude flat-lying (Cretaceous?) conglomerate and felsic volcanic rocks. A sample of the most strongly altered dacite returned <5 ppb Au and 0.2 ppm Ag.

Also in 1980, Complex Resources International and Redfern Resources collected regional silt samples over much of the Tulsequah map-sheet, identified an anomaly immediately west of Anglo-Canadian’s ground and discovered Au-bearing arsenopyrite veining there. In the Go showing, a porphyry stock is cut by east-west faulting and carbonate alteration over a 100m width. Conjugate fractures to the faulting are mineralized with arsenopyrite, pyrite, pyrrhotite, chalcopyrite, galena, sphalerite and stibnite. Drilling in 1981 confirmed the mineralizing system continues along a strike length of >205 metres and a down-dip length of >150 metres. Precious metal mineralization was narrow and spotty (best intersection: 0.13m @ 7.1 g/t Au and 514 g/t Ag (Lintott, 1981).

Georgia Resources Inc. worked the LIS 2 mineral claim (the area now covered by the LJ 7,8 claims) in 1988. This program worked the showings known as the Jak and Joly (described above) and extended the limits of the veins further to the east. Several soil samples were taken along two north trending grid lines. These soil samples defined a broad area of anomalous Au, Ag, As, Sb, Cu, Pb and Zn to the east of the Jak and Joly showings in heavily a forested area with sparse outcrop. Maximum values reported in the anomalous soils from a single sample were 452 ppb Au, 19.2 ppm Ag, 9082 ppm As, 84 ppm Sb, 959 ppm Cu, 470 ppm Pb and 562 ppm Zn (Lambert 1988).

Solomon optioned the LJ mineral claim (Now LJ 20 claim) from Cominco Ltd. in 1990. Cominco previously reported grades from chip samples of quartz-arsenopyrite veins of 22,400 ppb Au over 1 m, 40,000 ppb Au over 0.2 m and 10,400 ppb Au over 0.25 m. These grades were not reproduced by Solomon. However, Solomon did identify two zones of mineralization. Zone 1 is hosted in a 150 m long fault zone trending 178° and consists of 2-5% pyrite-arsenopyrite veins. An average of 16 grab samples returned grades of 139 ppb Au, 0.78 ppm Ag and 6296 ppm As from zone 1 (Strain and Aspinall 1990). Zone 2, located 750 m to the northeast of zone 1, is characterized by quartz-arsenopyrite-pyrite veins hosted in shears and fault zones trending 110°-140°. Five grab samples from this zone returned average grades of 901 ppb Au, 1.46 ppm Ag and 3130 ppm As (Strain and Aspinall 1990). Soil samples from this programme suggest that these mineralized zones have limited widths and that perhaps the most prospective ground is located to the west of the area worked (Strain and Aspinall 1990).

In 1991 Georgia Resources Ltd. conducted a geophysical programme as follow-up to the mapping and sampling the previous year. 2.7 km of VLF-EM were surveyed to the southeast of the Joly and Jak showings. This survey defined a weak east-west trending anomaly which coincides with the known Joly showing (Terry, 1991).

Solomon Resource Ltd. conducted a geological mapping and geochemical program in 1991 on the Wahb property (now parts of the LJ 9-12 claims). Aspinall (1991) describes two main mineralized zones at the top of Mount Lester Jones just north of the main peak. Zone 1 is a 250 m long by 5 m wide shear/fault zone which contains several thin massive arsenopyrite-stibnite veins (maximum width 0.25 m). These steeply dipping, NW trending veins returned maximum assays of 1.5 ppm Au and 309 ppm Ag (Aspinall 1991). A second zone trending the same directions as zone one is located 300 m to the NE of zone 1 and is exposed for 50 m, with maximum assays of 2.7 ppm Au and 309 ppm Ag (Aspinall 1991). Both of these zones are covered by a large glacier at the top of Mount Lester Jones along strike of the exposures.

Georgia Resources returned to the Jak and Joly showings (now the LJ 1-8 claims) in 1992 and conducted a mapping and geochemical program. During this program Terry (1992) confirmed the presence of precious metal mineralization in Jak Creek with a maximum assay of 5.9 ppm Au and 351 ppm Ag. During this program the mountain directly south of the Jak and Joly showing was prospected. Due to rugged terrain on this mountain the main gossan was not mapped or sampled, however, anomalous silt samples were found to drain the gossanous area (Terry 1992).

In 1998 Xplorer Gold Corp. surveyed a total of 7.65 line km of horizontal loop-EM and total magnetic field on three areas on the current LJ claims. The purpose of these surveys were to identify potential VMS targets, however none of the data returned anything that would indicate potential for extensive VMS style mineralization (Lee 1998a, 1998b, 1998c).

4.2 2004 Exploration Program

During June 2004, Rimfire initiated a regional geological mapping, prospecting and soils and silt sampling program on the LJ and Sutlahine claims. The ground was covered from four fly camps comprised of a four man crew. These camps were centered around: 1) the Jak and Joly area (LJ 6 & 8), 2) the Lisadelle Lake area (LJ 1-4), 3) the South King Salmon Lake area (SUTL 5, 6, 9-12) and 4) the Bryar area (SUTL 13 & 7) (Figure 3). In addition to the mapping, prospecting and sampling done around the camps a one day silt "blitz" was conducted around the whole property using a helicopter. In the fall of 2004 anomalous samples were followed up on in the South King Salmon Lake area. Air support for supplies and camp moves was provided on a charter basis by Discovery Helicopters and Atlin Air Charters, both of Atlin, British Columbia. A magnetic declination of 24° 9'E was used for all compass measurements. All maps and UTMs are referenced to the 1983 North American Datum (NAD-83).

Moss mat and conventional (unseived) silt samples were taken from creeks encountered during the course of mapping and prospecting and rock samples were taken from altered and mineralized boulders and outcrops. Sites of the 85 rock samples and 92 silt samples were marked with pink and blue flagging tape and an aluminium tag. Rock sample descriptions are attached in Appendix C. Sites of the

504 soil samples were marked with orange and blue flagging tape and a weather and fade-proof Tyvek tag.

Rock, soil and silt samples were analyzed by ALS Chemex Labs of North Vancouver for Au (fire assay) and 34-element ICP (aqua regia digestion) (Appendices E.1-E.3). Pulp assays were carried out for high geochemical values of Au, Ag, Cu, Pb, or Zn; the assays were used for plotting and calculations. "Metallics" assays for Au were carried out on rejects when initial geochemical values exceeded 10,000 ppb Au. The procedures, results and conclusions of the sampling QA/QC program are summarized in Appendix F.

5.0 REGIONAL GEOLOGY

The area around the Sutlahine and LJ property is underlain by mid-Paleozoic and Triassic island arc successions, Late Triassic and Jurassic sedimentary rocks of the Whitehorse Trough and bimodal Late Cretaceous to Eocene volcanic, and associated intrusive rocks (Figure 3). The Late Cretaceous volcanic and co-magmatic, subvolcanic intrusive rocks form a distinct northwest trending belt on the eastern margin of the Coast Plutonic Complex (Mihalynuk et al. 2003, Simmons et al. 2003, in press). The most recent regional mapping around the Sutlahine and LJ properties was carried out during 1958-60 at a scale of 1:250,000 (Souther, 1971). Mihalynuk et al. (1995) of the BCGS mapped the adjacent 1:50,000 sheet to the west, providing additional insight into stratigraphic relationships and ages through Ar/Ar and U/Pb geochronology.

Souther (1971) mapped a broad band of Upper Triassic Stuhini Group rocks in the vicinity of the Sutlahine and LJ properties, comprising mainly submarine basaltic volcanic rocks with minor volcanic sandstone, wacke and siltstone. It should be noted that on the NTS sheet west of the Sutlahine and LJ, the subaerial portion of Souther's Stuhini Group was reassigned to the Sloko Group by Mihalynuk et al (1995). Souther differentiates a "King Salmon Formation" dominated by well-bedded clastic sediments within the Stuhini Group; the formational designation has since been abandoned. During this program sedimentary rocks associated with the Stuhini Group were noted. However it is difficult to correlate units over great distances due to lack of marker horizons and rapid lateral facies variations, deposition on surfaces with major paleotopographic relief and disruption by later faults (Mihalynuk, 1999).

The Stuhini Group is unconformably overlain by Upper Triassic limestone and lesser sandstone, argillite and chert of the Sinwa Formation (e.g. Simmons et al. in press), which is regarded as the top of the Stuhini Group. The Sinwa Formation, in turn, is disconformably overlain by the Lower to Middle Jurassic clastic sedimentary rocks of the Laberge Group (e.g. Mihalynuk, 1999, Mihalynuk et al., 1994, 1995, and Simmons et al., in press). Souther subdivided the Laberge Group into coarse clastic rocks of a near-shore facies (Takwahoni Formation) and finer clastic rocks of an off-shore facies (Inklan Formation). Similar rock types were mapped in the area during the 2004 program but no distinct formations could be mapped.

In the Late Jurassic, the northwesterly-trending King Salmon Fault was active along the Sinwa Formation, thrusting it southward over the Laberge Group. South of the King Salmon Fault, this was accompanied by broad, symmetrical, northwesterly-trending folds, many of which are doubly plunging. North of the Sutlahine and LJ properties, near Atlin, B.C., Mihalynuk (1999) pins the age of accretion of Stikinia and deformation prior to 175 Ma, where Fourth of July suite intrusive rocks are not deformed and intrude deformed Laberge Group clastic sedimentary rocks.

The late Mesozoic was also marked by the intrusion of the Central Plutonic Complex, and stocks and dykes of hornblende-biotite granodiorite, biotite-hornblende quartz diorite, hornblende diorite and augite diorite (Souther, 1971). The Central Plutonic Complex includes a wide variety of intrusive phases of differing ages, along with minor migmatite and gneiss pendants. The closest known example of Jurassic intrusive rock along this belt is located at the Thorn property where 168.1 ± 0.7 Ma (Simmons et al., in press) rhyodacite dykes intrude Stuhini Group clastic sedimentary rocks at the Outlaw showing.

Souther mapped a series of high-level, multiphase Late Cretaceous quartz monzonite, diorite and granite stocks and plutons and felsite and quartz-feldspar porphyry intrusions in a northwesterly-trending band through the Sutlahine and LJ properties. This belt can be traced from as far north as the Tagish Lake area (Mihalynuk, 1999) to the Golden Bear Mine area to the southeast (Oliver, 1996, Simmons et al., in press). Recent geochronology data produced by Mihalynuk (2003) and Simmons et al. (2003, 2004) have shown that two distinct magmatic events can be differentiated. An older event of largely tholeiitic diorite porphyry intrusions has been dated by Mihalynuk (2003), examples of these are found at the Thorn property (93.3 ± 2.4 Ma) to the southeast and the Red Cap porphyry (87.3 ± 0.9 Ma) to the west. These intrusions are aphanitic to fine-grained and are commonly porphyritic, with feldspar, quartz and biotite phenocrysts. To the southeast of the Sutlahine and LJ properties at the Thorn a later magmatic event is defined by 81-85 Ma subaerial volcanic rocks and co-magmatic intrusive rocks. A weakly welded crystal tuff taken directly above the unconformity yielded an age of 84.7 ± 0.8 Ma (Simmons, et al., in press) and marks the onset of the later magmatic event. Intrusive rocks of this age are typically more calc-alkaline, biotite and hornblende bearing equigranular monzonites to granodiorites. Souther (1971) originally mapped this later magmatic event as Tertiary Sloko Group rocks but it is now assigned to the Windy Table Suite volcanic and intrusive rocks (e.g. Mihalynuk 2003).

The only known Tertiary Sloko Group rock in the area directly around the Sutlahine and LJ properties was dated at the north of Lisadele Lake. This rock is characterized as being a quartz, feldspar, biotite porphyritic intrusive rock similar to the 93.3 Ma Thorn Stock. Simmons et al. (in press) dated this rock and reported an age of 55.3 ± 0.9 Ma. Several bodies of similar looking intrusive rock crop out along this belt making it very difficult to distinguish between Sloko and Late Cretaceous intrusive rocks in the field.

6.0 PROPERTY GEOLOGY

The Sutlahine and LJ property geology is summarized in Figure 3, which is a compilation from several sources. Mapping at 1:5,000 scales was carried out during the 2004 program. This mapping focused, (a) in the Joly and Jak showings area, now the LJ 6 & 8 claims (Figure 4a); (b); in the Lisadele area, now the LJ 1-4 claims (Figure 4b); (c) in the South King Salmon Lake area, covering parts of the SUTL 5, 6, 9-12 claims (Figure 4c) and (d) in the Bryar area, covering parts of the SUTL 7, 13, 14 claims (Figure 4d). Based on this latest work, the property-wide geology in Figure 4 has been modified from Souther (1971) and a compilation of geology reported in previous assessment reports.

6.1 Lithology

Table 6.1.1 summarizes the characteristics of rock units on the Sutlahine and LJ properties. The Sutlahine and LJ properties are underlain by a package of Triassic and Jurassic mafic volcanic rocks and marine sedimentary rocks (Figure 3, 4a, 4b, 4c). In the northwest and southeast parts of the map area, mafic and sedimentary rocks of the Upper Triassic Stuhini Group core a series of doubly plunging anticlines trending NNE. Flanking and overlying these strata are clastic sedimentary rocks of the Lower to Middle Jurassic Laberge Group, which cover the majority of properties. Late Cretaceous (ca. 93 Ma and 81 to 85 Ma) small stocks and dykes intruded the country rock and form a NNE trending belt of subvolcanic intrusive rocks. In the Lisadele Lake area Late Cretaceous subaerial volcanic rocks (ca. 81 to 85 Ma) overlie Triassic and Jurassic strata. A small stock of Sloko diorite (ca. 55 Ma) intrudes into the Late Cretaceous volcanic rocks at Lisadele Lake. All of the above are intruded by a series of northeast trending basaltic and andesitic dykes. Geochronology of most intrusive and volcanic rocks of suspected Late Cretaceous age on the Sutlahine and LJ is being performed as part of the B.C. and Yukon Chamber of Mines Rocks to Riches program by Adam Simmons and will be made available in January, 2005. Absolute ages of late Cretaceous rocks in this report are inferred from what is known at the Thorn property (e.g. Mihalynuk et al. 2003 & Simmons et al., in press).

Table 6.1.1. Sutlahine and LJ Lithologic Units

TERTIARY

uTIN – INTRUSIVE ROCKS

uTIN₁ Basalt/andesite dykes: fine-grained, dark green to brown, weakly magnetic, aphyric or feldspar-phyric, calcite amygdules common

Sloko Suite Intrusive Rocks

uTIN₂ Coarse-grained quartz-feldspar-biotite porphyry: 15–40% anhedral 1–5mm feldspar (plagioclase), 5–10% euhedral equant 2–4mm glassy quartz and 5–15% euhedral equant 3–6mm biotite phenocrysts, in a fine grained matrix

LATE CRETACEOUS

Windy Table Suite Intrusive Rocks

uKIN₁ Monzonite and diorite: feldspar porphyritic, biotite and hornblende are both present, quartz forms irregular shaped crystals between feldspar grains

uKIN₂ Biotite-hornblende granodiorite: fine- to coarse-grained, equigranular, local miarolitic cavities

Windy Table Suite Volcanic and Related Sedimentary Rocks

uKSV – SUBAERIAL VOLCANIC ROCKS

uKSV₁ Dacitic/andesitic tuff, lapilli tuff and block tuff: Maroon to grey-brown, matrix-supported

uKSV₂ Unwelded rhyolitic tuff and agglomerate: lithic clasts comprise 10–35% of the rock ranging from lapilli to block size and dominated by granitic intrusive rocks and felsic volcanic rocks

uKSV₃ Welded lapilli tuff or crystal tuff: dominantly rhyodacitic with 5–15% chlorite replaced pumice fragments and variable amounts of lithic fragments (up to 40%), crystal tuff dominated by 1–4mm euhedral feldspar phenocrysts and 1–3mm rounded quartz eyes

uKSV₄ Dacite to andesite flow

uKSV₅ Rhyolite flow

uKSV₆ Volcaniclastic rocks: finely bedded, rounded silt to sand sized particles and commonly associated with accretionary lapilli horizons

uKPO – DIORITE TO QUARTZ DIORITE PORPHYRY

uKPO₁ Coarse-grained feldspar-quartz-biotite porphyry: 15–40% anhedral 1–5mm feldspar, 15–30% euhedral equant 3–6mm glassy quartz and 5–15% euhedral equant 3–6mm biotite phenocrysts

uKPO₂ Fine-grained feldspar-quartz-biotite porphyry: 30% anhedral 0.5–2mm feldspar, 0–5% subhedral 2–4mm quartz and 5% euhedral equant 4mm biotite phenocrysts

LOWER TO MIDDLE JURASSIC

Laberge Group

IJTF – CLASTIC SEDIMENTARY ROCK

IJTF₁ Cobble conglomerate: clasts range in size from pebble to boulder, but is generally cobble sized, commonly matrix supported, and clasts types are dominated by either mafic volcanic rocks or felsic granitic rocks, which typically don't occur together

IJTF₂ Siltstone, shale and argillite: finely bedded and often preserve primary sedimentary features and contain abundant fossils (mainly ammonites and bivalves)

IJTF₃ Sandstone: typically feldspathic arenite, but may contain variable amounts of quartz and lithic fragments, most often silica cemented with lesser carbonate cement

IJTF₄ Limestone: typically skarned, dolomitized and recrystallized, clastic sedimentary input is evident by the "dirty" nature of the strata, rare fossils occur away from recrystallized and skarned areas

Table 6.1.1. Thorn Lithologic Units (continued)**UPPER TRIASSIC*****Sinwa Formation*****uTSF – LIMESTONE AND LESSER CLASTIC ROCKS**uTSF₁ LimestoneuTSF₂ ArgilliteuTSF₃ Boulder conglomerate containing volcanic and intrusive rocks***Stuhini Group*****uTMV – MAFIC VOLCANIC ROCKS**uTMV₁ Pillow basaltuTMV₂ Andesitic lapilli tuffuTMV₃ Massive andesite: dark green, aphyric, aphanitic to fine-graineduTMV₄ Feldspar-augite porphyry: dark green, fine- to medium-grained, sparse <1mm feldspar and augite phenocrysts**uTMS – MARINE SEDIMENTARY ROCK**uTMS₁ Interbedded siltstone, feldspathic arenite and wacke: well-beddeduTMS₂ Argillite**6.2 Structure**

Triassic and Jurassic strata are variably deformed in the map area. Typically, these rocks are open to close folded and trend NNW. These folds are doubly plunging in the map area, creating small NE trending basins along which Laberge Group strata dominate and Late Cretaceous subaerial volcanic rocks are exposed. This folding event is related regional compression during the accretion of the Stikine Terrane onto the western margin of North America. This compressional event ceased by ca. 175Ma, as evidence by undeformed plutons which have intruded the deformed strata. The Late Cretaceous volcanic rocks have a spatial association with the area where anticlines plunge towards each other creating basins. It is unclear if the basins are a result of later folding or faulting.

Several later steeply dipping normal faults offset Late Cretaceous rocks. Two prominent sets of steeply dipping normal faults trending 240° and 270° create major physiographic lineaments that may extend for several 10's of kilometers. At the Jak and Joly showings the E-W trending faults are important hosts to mineralizing veins. Additionally NE-SW trending structural corridors at the Thorn property to the southeast are known to be important controls on mineralization. Tertiary basaltic/andesitic dykes locally intrude along these faults.

6.3 Alteration and Mineralization

Magmatic-hydrothermal mineralization and alteration are spatially and temporally associated with specific volcanic and plutonic rocks emplaced during the formation of long-lived magmatic arcs formed along convergent plate boundaries (e.g. Sillitoe, 1972; Sutherland-Brown, 1976; Titley, 1982; Sawkins, 1990). In the map area, a Late Cretaceous magmatic arc is exposed and has associated hydrothermal alteration. Several types of mineralization were encountered along the arc, including Au-Ag bearing quartz-galena-sphalerite-arsenopyrite veins, Au-Ag bearing silicified veins breccia & silicified host rock, sedimentary hosted Au bearing disseminated pyrite, base metal rich carbonate veins, Cu skarn, and Fe-Zn skarn. Significant mineralization along the belt is known at the Golden Bear mine where Carlin-like mineralization (Poulsen, 2000) appears to be associated with Late Cretaceous magmatic rocks and at the Thorn Property where high sulphidation veins and breccia hosted Ag-Pb-Zn-(Au-Cu) is known to be associated with Late Cretaceous hydrothermal alteration.

Because the project area covers such a large block of land, the mineralized zones are reported by each of the four fly camps and the one day of regional silt sampling below. In this report all analytical results are provided as grams per metric tonne (g/t), parts per million (ppm) or parts per billion (ppb).

6.3.1 Jak and Joly Creek area Mineralization

At the Jak and Joly creek camp two styles of alteration and mineralization were noted, fault hosted Au-Ag bearing quartz-galena-sphalerite-arsenopyrite veins and base metal rich carbonate veins.

Au-Ag Bearing Quartz-Galena-Sphalerite-Arsenopyrite Veins

Fault hosted Au-Ag bearing quartz-galena-sphalerite-arsenopyrite veins were re-examined in Jak and Joly creeks and extended beyond their previously known extents. Additionally, veins that are similar to the Jak and Joly showings were discovered north of the known showings (Figure 4a). These veins are hosted in steeply dipping normal faults and fault zones (approx. 10 m wide) that trend 270° (Figure 5a). Lineaments caused by these faults extend some 10 km east King Salmon Lake (Figure 3). Fault zones host several veins that trend parallel to the fault zone; the maximum observed width of these veins was 20 cm. Within the fault zone disseminated sulphides are present between veins not in sufficient quantities to carry significant precious and base metals. A thin envelope (2-5 m) of carbonate-clay-sericite-(±silica) alteration surrounds the veins and rapidly grades outwards to an alteration assemblage characterized by chlorite, clay, with lesser sericite. Gangue mineralogy is dominated by quartz and carbonate, which generally make up 50% to 70% of the vein material. Sulphide mineralogy is dominated by variable amounts of pyrite, galena, sphalerite and arsenopyrite with lesser or trace amounts of chalcopyrite, pyrrhotite and sulphosalt. Total contained sulphide in veins is typically 30% to 40% and less commonly up to 65%. Three anomalous soil samples taken north of Joly Creek indicate that mineralized veins may be present some 150 m north. Tables 6.3.1.1, 6.3.1.2 & 6.3.1.3 below, outline samples with significant assays from this style of mineralization.

Table 6.3.1.1 Joly Creek

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276601	2004	8	1.06g/t	158g/t	>10000	304	5.88%	>10000	3.32%
276501	2004	5	123	102g/t	>10000	1165	2.82%	1670	1870
276502	2004	15	984	28.5	>10000	181	2.38%	>10000	1.49%
276503	2004	5	1.51g/t	5.2	>10000	202	276	188	61

Table 6.3.1.2 Jak Creek

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276506	2004	5	1.92g/t	31.8	>10000	2580	8140	6900	1.77%

Table 6.3.1.3 Rickards Creek

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276610	2004	5	108	2.10	9170	254	298	148	1000
276511	2004	Float	3.30g/t	56.4	>10000	1925	519	387	45

Base Metal Rich Carbonate Veins

Base metal rich carbonate veins were encountered along the bank of Rickards Creek between Jak and Joly creeks. Directly to the east of these veins in Keiths Creek two meter-scale carbonate-pyrite-sphalerite-galena vein outcrops, whose margins aren't exposed, were discovered. These outcrops are located approximately 15 m apart. It is unclear if the carbonate veins in Rickards are related to the zone of massive carbonate in Keiths Creek. Veins are banded on a cm scale and typically bedding parallel within Stuhini Group clastic sedimentary rocks. Large (up to 4 mm) euhedral pyrite crystals are common in these veins. Lesser amounts of sphalerite, galena, and arsenopyrite form disseminations in



Figure 5a: View of fault zone looking west in Joly Creek. The fault zone covers the area from the waterfall on the left to the recessive area to the right on the photo above. Approx. field of view is 20m



Figure 5b: Massive carbonate sulphide vein found in Keiths Creek. Sample contains approximately 50% calcite, 25% pyrite, 15% sphalerite, 10% galena and trace chalcopyrite (visual estimate).

the veins and also define the banded texture of the veins. Gangue mineralogy is predominately calcite. Sulphide mineralization does not extend into the host rock. The zone of massive carbonate contains up to 50% sulphide (visual estimate). Sulphide mineralogy is dominated by pyrite and sphalerite with lesser amounts of arsenopyrite, galena and chalcopyrite (Figure 5b). Alteration associated with this style of mineralization is characterized by strong carbonate alteration adjacent to the main mineralized zone. Strong carbonate alteration is flanked by a broader zone of weak carbonate-silica-clay alteration. Table 6.3.1.4 outlines significant assays for samples of this style of mineralization.

Table 6.3.1.4 Keiths Creek

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276505 ¹	2004	5	409	0.80	>10000	105	794	191	2600
276507 ¹	2004	Grab	244	35.7	3230	348	768	289	1845
276508 ²	2004	10	482	50.3	5390	1140	7410	421	6.54%

¹Sample of carbonate vein away from zone of massive carbonate and sulphide

²Sample from zone of massive carbonate and sulphide

6.3.2 Lisadele Lake Area Mineralization

The Lisadele Lake geology is dominated by a thick succession of Jurassic Laberge Group shales and argillites with lesser carbonate and sandstone. These rocks are overlain by Late Cretaceous volcanic rocks (similar to those at the Thorn property) and intruded by comagmatic intrusive rocks and Sloko aged (~55 Ma) quartz diorite. These intrusions have hornfelsed the surrounding sedimentary rocks. The thick succession of volcanic rocks contains approximately 1-5% pyrite, which has weathered to leave the shales and argillites hematite stained. This staining is the cause of a large red gossan reported by previous workers (e.g. Terry, 1992). No significant mineralization was found in the gossanous area. However, weak skarning of a thin (max. 8m) limestone was observed on the east side of the Late Cretaceous volcanic rocks, which returned signs of Cu mineralization (Figure 4b). Calc-silicate mineralogy common to most skarns (e.g. garnet and diopside) were only weakly developed. At the areas where Cu mineralization was present the alteration is largely characterized by bleached limestone. Cu mineralization is evident by secondary malachite staining and minor chalcopyrite disseminations. Unfortunately no significant precious metal mineralization accompanied Cu mineralization. Significant results from the Cu mineralization at Lisadele Lake are outlined below in Table 6.3.2.1. No mineralization was observed in the Late Cretaceous volcanic rocks at Lisadele Lake, however strong sericite, silica and clay alteration was noted on the east side of the exposed volcanic rocks.

Table 6.3.2.1 Cu Skarn

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276516	2004	Grab	<5	0.5	18	7450	20	<2	37
276518	2004	Float	<5	0.2	2430	3.87%	5	2	21
276519	2004	Grab	<5	0.2	9	1420	4	<2	15
276520	2004	Grab	<5	0.7	20	2710	6	7	31
276521	2004	10	<5	0.8	48	1015	48	6	267

6.3.3 South King Salmon Lake Area Mineralization

Two gossanous zones dominate the alteration in the south King Salmon Lake area: one in the north-south trending valley covering the SUTL 9 & 10 claims and the other on the ridge and valley (east trending) covering the northern half of the SUTL 12 claim. The majority of attention was focused on the latter because the gossan covering the SUTL 9 & 10 claims was previously explored and turned up little

significant mineralization. Mineralization in the south King Salmon Lake area is hosted in sandstone and conglomerate of the Jurassic Laberge Group. These rocks have been intruded by Late Cretaceous dykes trending NW that appear similar to the 93.3 Ma stock at the Thorn property (Thorn Stock), which are also mineralized. Mineralized zones are spatially related to the intrusive dykes, where zones of patchy silicification crop out covering an approximate 50 by 200 m area. This style of mineralization is described in more detail below.

Au-Ag Bearing Silicified Vein Breccia & Silicified Host Rock

In the South King Salmon area only two of 27 samples assayed below 100 ppb Au. The main zone of mineralization is hosted in silicified vein breccia directly around Late Cretaceous dykes (Figure 4c). Silicified vein breccia is present at the margins of the dykes and extends some 5-8 m into the country rock. Silicified vein breccia is dominantly composed of brecciated sandstone and conglomerate of the Jurassic Laberge Group with chalcedonic quartz-pyrite-galena-sphalerite and trace sulphosalt and chalcopyrite filling the matrix to the breccia. Typically when the breccia is Ag rich it is accompanied by an increase in base metals and a decrease in Au (e.g. 276529 & 276532), however two samples are rich in both Au and Ag (276528 & 276619). Samples of apparently unmineralized host sedimentary rock were taken and were found to carry grades greater than 300 ppb Au including assays of up to 1.31 g/t Au (276572). Away from the main silicified zone vein breccia is focused along WNW trending narrow (up to 5 m wide) structures. Alteration in the area is characterized by strong silica-clay (\pm biotite) alteration directly surrounding the main silicified zone for approximately 15-20 m. This zone is flanked by a zone of weak to medium clay-chlorite alteration, which pervasively alters the rock throughout the whole of the South King Salmon Lake area.

This style of mineralization is considered significant because grade was observed to carry into both the host sedimentary rocks and the intrusive rocks. Follow up work should be done to observe how far grade carries onto the apparently unmineralized host rock. Where this type of rock carried grade it is described as being a coarse silicified lithic wacke with approximately 1-3% disseminated pyrite. Table 6.3.3.1 outlines the highlights from this area.

Table 6.3.3.1 Silicified Vein Breccia

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276523 ¹	2004	20	4.22g/t	5.5	>10000	45	30	883	162
276524 ¹	2004	Grab	2.13g/t	2.5	>10000	20	38	125	63
276525 ²	2004	8	1.26g/t	2.6	>10000	38	29	73	120
276526 ¹	2004	Grab	1.51g/t	3.7	>10000	31	24	106	23
276527 ²	2004	Grab	1.31g/t	2.4	>10000	24	113	83	45
276528 ¹	2004	20	13.35g/t	324g/t	8630	152	5220	152	3400
276529 ¹	2004	10	885	1255g/t	1360	1455	1.09%	586	5.07%
276532 ¹	2004	50	540	1225g/t	7390	407	7890	250	9030
276619 ¹	2004	40	2.53g/t	498g/t	>10000	444	408	177	5590
276624 ³	2004	Float	2.85g/t	0.6	>10000	7	72	83	31
276710 ¹	2004	10	1.18g/t	4.7	5620	83	589	34	1450
276641 ¹	2004	Float	3.96g/t	3.7	1145	7	48	6	92
276642 ¹	2004	Float	1.10g/t	49	>10000	137	2.04%	75	6690
276643 ¹	2004	Float	270	19.7	4250	498	1840	48	1.18%

¹Sample of chalcedonic vein breccia

²Sample weakly silicified sandstone with 1-3% disseminated pyrite

³Sample of mineralized intrusive dyke

6.3.4 Bryar Area Mineralization

The Bryar area is underlain by Jurassic Laberge Group sandstone and conglomerate, which have been intruded by at least three different phases of Late Cretaceous intrusive rocks (Figure 4d). Adjacent to the intrusive rocks in the area of sample 276625, the sedimentary rocks are intensely sericite-clay altered for 3-6m away from the intrusive contact. A zone of weak clay-chlorite alteration flanks the intensely altered area in the surrounding outcrops. No significant mineralization was found in these outcrops of distinct gossanous rock. However, anomalous rock results were discovered in two areas east and northeast of the gossanous zone. These samples are located in areas of isolated outcrop, which are covered by overburden away from the area sampled. Two types of mineralization were found in this area: sedimentary hosted Au and Fe-Zn skarn. These styles of mineralization are outlined below.

Additionally, the source for anomalous rock and soil samples reported by Smith (1989) was not located. Complementary soils sampling from this program suggests that the source for such rocks may be to the NE of the Bryar area on parts of SUTL 14 claim.

Fe-Zn Skarn

A zone of massive sulphide was discovered on the boundary between the SUTL 13 & 14 claims, in the vicinity of sample 276542 (Figure 4d). The massive sulphide zone is conformable to bedding of the sedimentary rocks and extends for 115 m with an approximate average thickness of 4-6 m, covered by overburden on either side. The extent of mineralization is not known, but is open along strike in both directions. Sulphide mineralogy includes pyrrhotite and sphalerite with minor chalcopyrite (maximum 1560 ppm Cu in sample 276541). Calc-silicate minerals dominate the wall rock alteration and include garnet with lesser diopside. Highest assayed zinc is located in skarn with increased amounts of calc-silicate minerals, outside of the massive sulphide lens (e.g. sample 276542). Table 6.3.4.1 outlines the highlights for this style of mineralization.

Table 6.3.4.1 Fe-Zn Skarn

Sample Number	Year	Width (cm)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276542	2004	40	<5	2.1	29	574	21	<2	10.00%
276543	2004	40	10	1.4	3480	958	21	4	1.33%

Sedimentary Hosted Au Bearing Disseminated Pyrite

Prospecting in Jurassic Laberge Group sandstone south of the massive sulphide lens described above lead to the discovery of Au bearing silicified fine grained sandstone. The sample was taken from an outcrop that becomes covered by overburden, making it difficult to determine the extent of mineralization. The sample contains approximately 5% disseminated pyrite and is strongly silicified. The sample also contains an unidentified conspicuous irregularly shaped black mineral; petrographic work is being done to determine the mineralogy of this sample and how the gold occurs. Table 6.3.4.2 outlines the assay data for the sample.

Table 6.3.4.2 Sedimentary Hosted Au Bearing Disseminated Pyrite

Sample Number	Year	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276536	2004	Grab	10.7g/t	2.2	29	473	19	2	38

6.3.5 Other Mineralization

During the one day “blitz” stream sediment silt sampling with helicopter, a float boulder was collected at the base of the south face of Mt. Lester Jones, containing significant base metal and silver

mineralization (Figure 6a, b, c & d). The float sample was found in Cobble Creek and contains 40% disseminated and layered sulphide hosted in sandstone. Sulphide mineralogy includes pyrite, galena and sphalerite with lesser chalcopyrite. The boulder is goethite altered on its surface and is surrounded. This rock could represent skarn mineralization further up slope, which carries precious metals. Table 6.3.5.1 outlines the assay data for this sample.

Table 6.3.5.1 Other Mineralization

Sample Number	Year	Width (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
276631	2004	Float	37	55.3	257	1050	3.56%	47	3.22%

7.0 GEOCHEMISTRY

7.1 Silt Geochemistry

Fifty-one silt samples were collected during the course of mapping and prospecting in 2004 (Figures 6 a-d). Additionally, 41 samples were collected during a helicopter-supported, three man “blitz” of the entire central claim block of the Thorn property for a total of 73 silt samples for 2004. Silt sample geochemical results are listed below in Table 7.1.1, and compared to 99th, 95th and 90th percentiles from 896 silt samples collected across the Tulsequah (104K) map sheet in the federal-provincial RGS program (GSC, 1988). However, the percentiles in Table 7.1.2 are derived based on 221 stream sediment samples from this project, and those reported by Awmack (2000 & 2003) and Baker (2004) from the Thorn property to the southeast. Comparing the tables shows that silt samples taken from along this belt of Late Cretaceous volcanoplutonic rocks have generally elevated amounts of the elements of interest when compared to the whole of the 104K sheet. Anomalous samples discussed below use the RGS ranking scheme.

Eighty-one of the ninety-one silt samples collected in 2004 were anomalous (>90th percentile) in at least one element of interest and eight (samples 271658, 279613, 279616, 279619, 279620, 279621, 279660, 626644) were anomalous in all seven elements of interest. Of these eight, three were taken from an area that drains an adjacent property (279619, 279620, 279621) and are therefore not considered for follow-up work (Figure 6 a-d). Sample 271658 is located on a NE facing slope and drains into Rickards Creek approximately 100m north of the Jak and Joly showings (Figure 6 a-d). In the same drainage a significantly mineralized float boulder was found (rock sample 276511), however the source of the geochemical anomaly and the boulder are not located. Anomalous results for samples 279613 and 279660 are explained by the presence of the Joly showing being present in the same creek. Sample 279616 is coincident with two other anomalous silt samples taken in adjacent minor drainages (2796167 & 279618), all of which drain the northwest peak of Mt. Lester Jones (Figure 6 a-d). These samples drain an area which Strain & Aspinall (1990) reported some of their most anomalous soil samples, but the source of these geochemical anomalies has not been found or even prospected for as of yet. Sample 626644 drains the hill which contains silicified vein breccia and host rock described above in the south King Salmon Lake area. At least ten other anomalous silt samples also drain this mineralized area (Figure 7 a-d).

Additionally, the silt sampling shows other anomalous drainages which require follow-up work. On the LJ claims (Figure 6 a-d) these areas include: 1) upper Rickards Creek, where sample 279614 drains an unexplored area on the LJ 5 claim, 2) the south face of Mt. Lester Jones, where samples 279657-279659 returned anomalous results on the LJ 11 & 12 claims; and 3) Brown Creek, where unexplained anomalous silt samples (271659 & 271679) drain an area of anomalous soils samples to the east and a large red gossan to the west on the LJ 1-3 claims. On the SUTL claims (Figure 7 a-d) these areas include: 1) the top of the mountain on the on the SUTL 7 claim where numerous anomalous silt samples drain a large area (e.g. 279564-279566, 271667 & 271668); and 2) upper Rummy Creek where anomalous silt samples (277573 & 279574) drain an area of anomalous soil samples.

Table 7.1.1. 2004 Silt Samples

Sample Number	Creek	Au	Ag	As	Cu	Pb	Sb	Zn
		Ppb	ppm	ppm	ppm	ppm	ppm	Ppm
271651	Rickards	128	0.5	213	59	68	7	112
271652	Rickards	13	0.7	503	116	70	13	250
271653	Rickards	7	0.3	139	88	25	6	112
271654	Rickards	5	0.3	205	52	42	6	99
271655	Jak	21	0.8	593	88	91	19	162
271656	Rickards	<5	<0.2	121	54	13	3	152
271657	Keiths	13	0.9	163	55	59	14	168
271658	Rickards	107	2.4	3220	314	215	37	296
271659	Brown	20	0.3	38	89	27	2	144
271660	Sleemans	9	0.4	21	65	10	3	81
271661	Sleemans	7	0.2	23	71	16	4	98
271662	Sleemans	6	0.2	24	48	12	3	82
271663	Moosehead	<5	<0.2	13	52	16	5	50
271664	Kold	28	<0.2	23	107	22	5	78
271665	Fish Hook	8	0.4	162	62	50	3	172
271666	Koutoss	<5	0.2	96	38	39	3	66
271667	Gadam	6	0.3	95	72	40	3	346
271668	Pig Pen	9	1.2	237	25	19	3	70
271669	Festus	15	1.8	392	181	251	3	1455
271670	Festus	<5	1.2	164	307	188	2	1165
271671	Canadian	<5	0.3	38	82	9	3	115
271672	Canadian	<5	0.2	97	112	8	3	113
271673	Bud	<5	2.1	1705	39	31	5	223
271674	Coors	5	0.2	55	84	14	6	88
271675	Crystal	5	0.3	104	95	25	2	128
271676	Molson	5	0.4	128	46	57	2	106
271677	Grasshopper	<5	0.3	21	46	11	<2	104
271678	Chinook	<5	<0.2	37	53	10	<2	86
271679	Brown	54	0.8	45	178	44	2	222
279551	Keiths	13	0.6	132	52	50	14	176
279552	Keiths	<5	0.3	60	54	13	5	82
279553	Keiths	10	0.9	146	64	58	17	193
279554	Keiths	9	1.2	175	82	58	16	168
279555	Stock	<5	<0.2	17	28	23	2	114
279556	Stock	<5	<0.2	39	45	25	2	124
279557	Stock	<5	<0.2	41	45	30	2	124
279558	Pond	NSS	0.2	308	34	17	4	60
279559	Pond	<5	0.4	610	55	19	8	109
279560	Steeler	28	0.6	443	89	20	5	124
279561	Steeler	97	2.6	531	107	53	3	176
279562	Cirque	18	<0.2	271	75	16	3	120
279563	Cirque	11	0.3	175	67	14	2	114
279564	Festus	124	1	259	165	218	3	353
279565	Festus	NSS	5.8	69	2390	1555	4	1995
279566	Festus	48	1.3	255	248	237	3	1180
279567	Canadian	7	1.3	46	32	100	2	223

Table 7.1.1 2004 Silt Samples (continued)

Sample Number	Creek	Au	Ag	As	Cu	Pb	Sb	Zn
		Ppb	ppm	ppm	ppm	ppm	ppm	Ppm
279568	Canadian	<5	0.6	36	33	42	<2	149
279569	Coors	5	<0.2	32	83	9	<2	121
279570	Big Rock	7	0.2	33	46	10	<2	79
279571	Traditional	<5	0.2	8	26	3	<2	14
279572	Chinook	<5	<0.2	16	35	18	<2	82
279573	Rummy	18	0.6	186	558	35	3	548
279574	Rummy	24	0.4	127	354	25	<2	466
279575	Rummy	6	0.4	39	76	16	<2	93
279601	Keiths	<5	0.7	215	90	83	5	249
279602	Keiths	7	<0.2	180	75	35	6	174
279603	Black Horse	7	0.4	22	73	33	2	136
279604	Black Horse	8	<0.2	24	56	37	<2	135
279605	Hi Test	10	0.3	15	98	23	4	134
279606	Fish Hook	30	0.8	209	106	73	6	326
279607	Cirque	<5	0.6	234	39	10	2	80
279608	Cirque	5	0.4	357	77	14	3	104
279609	Cirque	67	0.5	641	130	20	9	150
279610	Cirque	77	0.3	85	59	13	2	82
279611	Cobble	7	0.4	46	38	73	<2	145
279612	Jak	6	0.5	1035	141	62	9	254
279613	Jak	31	1.4	958	122	139	27	218
279614	Miller	47	0.8	545	85	118	18	253
279615	Miller	8	0.2	63	50	40	<2	100
279616	Carlsberg	65	0.9	230	120	70	5	398
279617	Carlsberg	10	0.4	140	51	68	2	187
279618	Carlsberg	29	0.6	179	61	80	<2	207
279619	Labatt	48	2.3	186	109	43	8	164
279620	Labatt	42	1.6	456	168	104	6	312
279621	Labatt	46	1.9	348	122	59	7	217
279622	Okanagan	<5	0.3	22	78	18	<2	83
279651	Cirque	<5	<0.2	270	52	13	2	108
279652	Cirque	5	0.2	273	54	12	2	100
279653	Cirque	7	0.2	44	70	18	3	137
279654	Cirque	13	0.2	195	68	29	4	182
279657	Chode	6	0.3	68	77	54	<2	112
279658	Chode	7	0.6	83	58	35	<2	98
279659	Chode	<5	0.3	78	60	36	<2	99
279660	Jak	31	2.1	1060	133	152	32	227
279661	Miller	7	0.3	87	61	28	<2	101
279662	Miller	<5	0.3	44	48	35	<2	84
279663	Kokane	10	0.2	91	78	21	5	91
279664	Mozzie	<5	<0.2	35	88	8	<2	90
279665	Kold	19	0.6	43	53	87	<2	211
279666	Kold	8	0.2	25	72	25	<2	98
626644	Chilkoot	26	0.6	110	213	42	4	402

Table 7.1.1 2004 Silt Samples (continued)

Sample Number	Creek	Au	Ag	As	Cu	Pb	Sb	Zn
		ppb	ppm	ppm	ppm	ppm	ppm	Ppm
626645	Chilkoot	13	0.8	146	136	128	4	236
		16	0.2	30	72	17	1.8	120
		26	0.3	56	95	26	3.2	143
		50	0.4	97	114	39	5.2	173
		215	0.9	270	166	67	13	295
80th percentile		247	3.9	1056	554	389	48	1193

Note: NSS in the table above means the there was not sufficient sample for the analyses

Table 7.1.2 Percentiles Based On Internal Database Combined With Thorn Property

Sample Number		Au	Ag	As	Cu	Pb	Sb	Zn
		ppb	ppm	ppm	ppm	ppm	ppm	Ppm
Population		219	221	221	221	221	221	221
		37	0.8	255	133	80	9	244
		87	1.8	477	210	156	14	447
		150	2.4	641	311	238	28	659
		247	3.9	1056	554	389	48	1193

Note: Data derived from Baker (2004), Awmack (2000 & 2003) and this report

7.2 Soil Geochemistry

During the 2004 program, 507 soil samples were collected along a number of contour lines from the Sutlahine and LJ properties: 74 from the Jak and Joly area, 145 from the Lisadele Lake area, 158 from the South King Salmon Lake area and 130 from the Bryar area. Figures 6a-d and 7a-d show results from these samples. The data sets are not strictly comparable, since most of the South King Salmon Lake samples and most of the Lisadele Lake samples were taken from talus fines, while the Bryar and Jak & Joly areas are well-vegetated and soil development is relatively good. Percentiles and the correlation matrix in Tables 7.2.1 and 7.2.2 were calculated using all of the 2004 sample data.

Table 7.2.1.Soil Geochemistry Percentiles

Percentile	Au ppb	Ag Ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn Ppm
Population	507	507	507	507	507	507	507	507
Max Value	3945	8.1	>10000	5530	54	1604	244	2290
98th	88	1.8	608	272	31	91	13	323
95th	33	0.9	354	149	20	53	8	246
90th	19	0.6	216	114	10	36	6	172
80th	9	0.4	93	80	5	27	4	138
50th	<5	0.2	35	51	3	17	2	96

Table 7.2.2. Soil Geochemistry Correlation Matrix

	Au	Ag	As	Cu	Mo	Pb	Sb	Zn
Au								
Ag	0.57							
As	0.67	0.70						
Cu	0.08	0.11	0.04					
Mo	0.06	0.04	0.01	0.29				
Pb	0.57	0.67	0.94	0.03	0.05			
Sb	0.60	0.70	0.97	0.04	0.01	0.95		
Zn	0.51	0.57	0.83	0.11	0.20	0.85	0.85	

There is a very strong correlation between Au, Ag, As, Pb and Sb, not surprising considering the importance of arsenopyrite, galena and sphalerite (with lesser sulphosalt) with the precious metal-bearing veins and disseminations. The poor correlation of Cu with these elements is not surprising, considering that the Cu-bearing chalcopyrite (and perhaps trace tetrahedrite) is a only minor sulphide (and sulphosalt) phase, which also occur sporadically in the veins and disseminations. The poor correlation of Mo to the rest of the elements is also not surprising given that molybdenite was not reported once during this project.

Several multi-element soil geochemical anomalies have been identified on the various soils contour lines (Figures 6 a-d & 7 a-d) and are summarized in Table 7.2.3 below. These anomalies are discussed in detail below.

Table 7.2.3. Sutlahine and LJ Contour Soil Anomalies

Anomaly	Contour Sample Interval		Peak Values						
	From	To	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
1	04BMSL001	04BMSL012	86	3.4	324	154	31	9	148
1	04GBSL002	04GBSL015	9	0.9	484	110	96	14	135
2	04ASSL01	04ASSL03	394.5	8.05	>10000	185.5	1603.5	243	2290
3	04GBSL136	04GBSL159	97	0.8	139	199	138	5	186
4	04GBSL162	04GBSL194	245	4.8	1010	287	172	22	255
5	04GBSL274	04GBSL281	301	0.4	1450	381	52	11	382
6	04GBSL315	04GBSL344	42	0.7	609	5530	124	13	356

Anomaly 1 (LJ 6 & 8 Claims): Contour soil sampling along parts of two lines (sample spacing of 50 m) spaced 100 m apart in elevation (04BMSL001-04BMSL015 & 04GBSL002-04GBSL015) have defined a multi-element anomaly covering an area of at least 120x50 m. The source to this anomaly has not been found. However, the low Au values and relatively high base metal and silver values may reflect a source similar to that of rock sample 276508 which has a similar chemical signature. Prospecting in the area is limited by the overburden covering rock in the core of the anomaly. Another contour soil line located 150 m above the anomaly indicates that the anomaly does not continue up slope to higher elevations.

Anomaly 2 (Joly Creek): Three contour soil samples taken north of Joly Creek returned highly anomalous precious and base metals. These samples span 150 m north of the Joly showing and stop where till is the prominent overburden. This strong multi-element anomaly indicates that mineralization in Joly Creek may be wider than initially thought, suggesting the presence of vein north of the main showing. Sample 04ASSL001 was taken directly below a known vein; this is reflected by the extremely anomalous results of this sample.

Anomaly 3 (LJ 13 Claim): A multi-element anomalous area of soil samples spanning nearly 1 km along a contour soil line was defined north of Lisadele Lake (Figure 6 a-d). This particular line is in an area which is underlain by Late Cretaceous Windy Table Volcanic Rocks. A couple of outcrops above the soil line have been moderately sericite-clay-silica altered, but returned no significant mineralization. Portions of this line were sampled in talus fines, which may have enhanced the results. However, all rocks sampled from the volcanic stratigraphy returned assays of less than what was returned in the soil samples down slope and the anomaly cannot be solely explained by the presence of talus fines. Table 7.2.4 outlines the difference between the soil samples and the rock samples analyzed.

Table 7.2.4 Lisadele Lake Soil Anomalies vs. Rock Assays

Soil Sample Maximum Values				Rock Samples Maximum Values			
Au ppb	Ag ppm	As ppm	Pb ppm	Au ppb	Ag ppm	As ppm	Pb ppm
110	0.8	139	138	28	0.9	38	28

Anomaly 4 (SUTL 9 & 10 Claims): In the South King Salmon Lake area several point anomalies are noted on all lines, but these are not considered to be significant at this time. However, the southernmost contour soil sample line on the SUTL 10 claim returned a multi-element soil anomaly which spans nearly 1.5 km (Figure 7 a-d). The source of this anomaly is thought to be the silicified vein breccia and disseminated Au in host sedimentary rocks discussed above. Most of this line was sampled at the tree-line/alpine boundary, which resulted in most of the samples being taken in talus fines. The highest values on this line may be attributed to this fact. In the fall, these anomalous soil samples were followed up by two parallel contour soil sample lines 100 m and 200 m down-slope of the 04GBSL162 to 04GBSL194 anomaly. The lowermost line did not duplicate the results of the above anomaly. However, the uppermost of these lines (04EFSL01-04EFSL25) managed to duplicate the previous results up-slope in Ag and to some extent Au, while the results were not duplicated for As and Pb (Figure 7 a-d). This is not surprising considering that the potential source for the anomalies upslope are not particularly base metal rich or arsenic rich outside of the localized higher grade zones. These soil anomalies are accompanied by anomalous stream silt samples which drain the mineralized area.

Anomaly 5 (SUTL 13 & 14 Claims): In the Bryar area two anomalous areas of soil samples are noted. The first of these occurs at the boundary between the SUTL 13 & 14 claims. In this particular area contour soil samples were taken every 25 m, with the goal of duplicating anomalous Au in soil samples reported by Smith (1989) for Cominco. During the 2004 program the anomalous samples taken by Cominco were duplicated and are found to cover an area spanning almost 200m (Figure 7 a-d). This anomaly is open to the east were the contour soil lines were stopped because at the time the boundary between the Sutlahine and Thorn property was not settled. This anomalous zone is characterized by highly anomalous Au and As (>98th percentile is common) with weaker anomalies of Ag and Pb (commonly >80th percentile). This anomaly was duplicated (although with slightly weaker anomalies) in two contour soil sample lines 100 m above and 200 m below the 04GBSL274 to 04GBSL281 anomaly. The source for this anomaly has not been found, though Smith (1989) reports float samples of quartz-arsenopyrite veins grading approximately 17 g/t Au. This style of mineralization could represent the source for the soil anomaly, but may be covered by overburden. Additionally, there was a rock sample (276536; 10.7 g/t Au) of Au bearing disseminated pyrite in sedimentary rocks, which may also explain the anomalous soils samples taken. If this is the case, the extent of mineralization could be more significant.

Anomaly 6 (SUTL 13 Claim): The second anomalous area of soil samples defined during the 2004 program in the Bryar area spans a distance of 1.2 km along the northeastern contour soil line (Figure 7 a-d). This anomaly is distinct from the prior anomaly as it is characteristically more

anomalous in base metals, Ag and As, while not being anomalous in Au. These samples are taken along a line of good soil development on a plateau where very little outcrop is present. This anomaly was duplicated (though weaker) on a contour soil line 100 m down-slope of this anomaly. The source for this anomaly is not known.

8.0 DISCUSSION AND CONCLUSIONS

Prior to the 2004 exploration program, significant advances in exploration and geologic understanding were made at the Thorn property some 5 to 25 km south of the LJ and Sutlahine properties. At the Thorn property two significant styles of mineralization are noted: 1) High sulphidation quartz-enargite-tetrahedrite veins hosted in steeply dipping faults, and 2) Breccia hosted Ag-Pb-Zn-(Au-Cu) in pyrite-sphalerite-boulangerite-(chalcopyrite) veins which replace the matrix of the breccia (Awmack, 2000 & 2003; Baker, 2004). Work done as part of a Master's project on the Thorn property has shown that Late Cretaceous magmatism plays an important role in the mineralizing event, supplying the hydrothermal fluids necessary for ore deposition (Simmons et al., 2004 & in press). Additionally, work done by the BCGS and a research project under the Rocks to Riches program, which is administered by the B.C. and Yukon Chamber of Mines, have begun to define a northwesterly trending belt of Late Cretaceous (81 Ma to 94 Ma) volcanoplutonic rocks and associated hydrothermal alteration spanning from perhaps as far south as the Golden Bear Mine to as far north as the Tagish Lake area (Mihalynuk et al. 2003; Simmons et al. 2004 & in press; Baker & Simmons 2004). Both the Thorn property, and the Sutlahine and LJ properties fall along this belt. Coincidentally, RGS samples taken from the 104K sheet define a precious metal and base metal belt, which is at least spatially related to the Late Cretaceous volcanoplutonic belt and in the case of the Thorn these belts are genetically related.

In South America it has been demonstrated that magmatic-hydrothermal mineralization and alteration are spatially and temporally associated with specific volcanic and plutonic rocks emplaced during the formation of long-lived magmatic arcs formed along convergent plate boundaries (e.g. Sillitoe, 1972; Sutherland-Brown, 1976; Titley, 1982; Sawkins, 1990). With this in mind, Rimfire staked the claims reported as part of this project, based on good RGS results and favourable geology, in late 2003 and early 2004. This staking resulted in a four week field program aimed at examining four areas of favourable RGS geochemistry and geology. Five styles of mineralization were discovered or re-examined from prior work including Au-Ag bearing quartz-galena-sphalerite-arsenopyrite veins, Au-Ag bearing silicified veins breccia & sedimentary hosted Au bearing disseminated pyrite, base metal rich carbonate veins, Cu skarn, and Fe-Zn skarn. Of these styles two are considered significant enough for follow-up work to be recommended.

1. The Au-Ag bearing quartz-galena-sphalerite-arsenopyrite veins that were re-examined in the Joly and Jak area and extended from their previous known limits were found to be hosted in a major lineament which extends for at least 10 km to the east. While the thickness of the observed veins limits their significance, it is conceivable that along strike in the lineament there could be an area where the veins dilate due to lineament intersections, offsets or flexures. These locations could represent attractive exploration targets.
2. Au-Ag bearing silicified veins breccia & sedimentary hosted Au bearing disseminated pyrite was found in two locations at the Bryar and South King Salmon Area on the SUTL claims. The most important of these is located at the South King Salmon area, where samples of vein breccia, host sedimentary rock and intrusive rock are all carry mineralization greater than 1.31 g/t Au. However, the extent and significance of this mineralization is not known at this time and further work is needed.

Additionally, six anomalous area have been defined by contour soil sampling. Three of these anomalous areas remain unexplained and of the three that do have a potential source, one is worth doing follow-up work in the South King Salmon Lake area. Anomaly 3 (discussed above) requires follow-up work as soil samples are more anomalous than the rocks in the area. This area is also interesting

because it is underlain by Late Cretaceous Windy Table Volcanic Rocks, which despite their favourable age have not been found to host significant mineralization elsewhere along the belt. Anomalies 5 and 6 described above are located along a swampy plateau where outcrop is less than 1%. However, up slope of this, several silt samples were taken (271667 to 271670 & 279564 to 279566) which display similar chemistry to soil anomaly 6 in an area of abundant outcrop. This area may represent a future exploration target, while perhaps the anomalous zones at lower topography may require geophysics and further geochemistry to define potential drill targets.

Silt samples taken during the program for the most part complement known mineralized zones or contour soil anomalies. However, two notable areas warranting additional exploration has been defined by silt sampling during the 2004 program. The first of these areas is north of the Joly and Jak showings located on the LJ 5 & 6 claims. Two anomalous silt samples are located in this area (279614 & 271658), accompanied by a float boulder of similar material to the Joly and Jak showings which assayed 3.30 g/t Au, 56.4 g/t Ag and 1925 ppm Cu. These two silt sample drain opposite sides of a large valley, suggesting that this style of veining may be more prevalent than previous workers have recognized. The second of the areas is located on the LJ 9, 11, 12 & 19 claims. However, the LJ 9, 11 & 12 claims are very difficult to work due to extreme topography. Silt samples which drain the LJ 19 claim are amongst the most anomalous reported during the 2004 program; one was accompanied by a float sample (276631) which assayed 55.3 g/t Ag, 3.56% Pb, 3.22% Zn and 1050 ppm Cu.

During the 2004 program no obvious Thorn style mineralization was found. However, there were traces of sulphosalt (to be confirmed by petrography) accompanied by sphalerite and galena. The rocks around these mineralized areas are generally sericite-silica altered and at the very least show that the Late Cretaceous rock association holds up on the Sutlahine and LJ properties. However, as observed on the Thorn, follow-up work on silt and soil anomalies can lead to the discovery of significant mineralization. Even more important, only about 5% to 10% of the SUTL and LJ claims have been explored and the remainder should be regarded as highly prospective virgin ground for future discoveries related to this Late Cretaceous magmatic-hydrothermal event.

Respectfully submitted,

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Appendix A: Bibliography

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Appendix B: Statement Of Expenditures

STATEMENT OF EXPENDITURES
Sutl 5-16 Claims
July 1 - October 5, 2004

PROFESSIONAL FEES AND WAGES:

Adam Simmons, Project Geologist		
24.00 days @ \$520/day	\$ 12,480.00	
Henry Awmack, P.Eng.		
1.50 days @ \$520/day	780.00	
Darcy Baker, Ph.D.		
1.75 days @ \$520/day	910.00	
Tim Sullivan, Prospector		
13.50 days @ \$360/day	4,860.00	
Bret McKay, Sampler		
13.06 days @ \$250/day	3,265.00	
Gayle McCreery, Sampler		
13.50 days @ \$250/day	3,375.00	
Errol Frisk, Sampler		
1.00 days @ \$250/day	250.00	
Riley Gibson, Sampler		
1.00 days @ \$250/day	250.00	
Scott Parker, Logistics/Drafting		
13.00 hours @ \$50/hour	650.00	
Clerical		
64.12 hours @ \$25/hour	<u>1,603.00</u>	\$ 28,423.00

EQUIPMENT RENTALS

Generator (1kVA)		
10 days @ \$10/day	\$ 100.00	
Generator (5kVA)		
1 days @ \$20/day	20.00	
Field Computers		
12 days @ \$15/day	180.00	
Camp		
51 mandays @ \$25/day	1,275.00	
Satellite Phone		
2 weeks @ \$62.50/week	125.00	
439 minutes @ \$1.69/min	741.91	
Chainsaw		
4 days @ \$15/day	<u>52.50</u>	2,494.41

EXPENSES:

Chemical Analyses	\$ 6,940.29	
Field Consumables	213.27	
Materials and Supplies	592.00	
Maps and Publications	836.20	
Plot Charges	245.00	
Printing and Reproductions	7.95	
Camp Food	1,140.98	
Meals	223.24	
Accommodation	267.37	
Taxis and Airporters	81.31	
Aircraft Charters	1,712.00	
Helicopter Charters	16,005.05	

STATEMENT OF EXPENDITURES
Sutl 5-16 Claims
July 1 - October 5, 2004

Airfare	1,630.09
Telephone Distance Charges	5.26
Courier	58.85
Freight	819.96
Bulk Fuel	634.07
Radio Rental (non-Equity)	241.87
Expediting	677.00
Report (estimated)	5,000.00
	37,331.76

SUB-TOTAL: \$ 68,249.17

PROJECT SUPERVISION CHARGE:

Previous expenditures: \$0,000.00	
12% on portion <\$50,000: (\$50,000.00)	\$ 6,000.00
10% on balance: (\$18,249.17)	1,824.92
	7,824.92

SUB-TOTAL: \$ 76,074.09

GST:

7% on sub-total	5,325.19
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TOTAL: \$ 81,399.28

STATEMENT OF EXPENDITURES
LJ 1-24 Claims
July 1 - October 5, 2004

PROFESSIONAL FEES AND WAGES:

Adam Simmons, Project Geologist			
24.00 days @ \$520/day	\$ 12,480.00		
Henry Awmack, P.Eng.			
0.50 days @ \$520/day	260.00		
Darcy Baker, Ph.D.			
0.76 days @ \$520/day	395.20		
Tim Sullivan, Prospector			
13.50 days @ \$360/day	4,860.00		
Bret McKay, Sampler			
13.07 days @ \$250/day	3,267.50		
Gayle McCreery, Sampler			
13.50 days @ \$250/day	3,375.00		
Errol Frisk, Sampler			
0.00 days @ \$250/day	-		
Riley Gibson, Sampler			
0.00 days @ \$250/day	-		
Scott Parker, Logistics/Drafting			
13.00 hours @ \$50/hour	650.00		
Clerical			
64.13 hours @ \$25/hour	<u>1,603.25</u>	\$	26,890.95

EQUIPMENT RENTALS

Generator (1kVA)			
10 days @ \$10/day	\$ 100.00		
Generator (5kVA)			
0 days @ \$20/day	-		
Field Computers			
11 days @ \$15/day	165.00		
Camp			
44 mandays @ \$25/day	1,100.00		
Satellite Phone			
2 weeks @ \$62.50/week	125.00		
438 minutes @ \$1.69/min	740.22		
Chainsaw			
4 days @ \$15/day	<u>52.50</u>		2,282.72

EXPENSES:

Chemical Analyses	\$ 5,925.91		
Field Consumables	213.28		
Materials and Supplies	592.00		
Maps and Publications	836.19		
Plot Charges	245.00		
Printing and Reproductions	7.95		
Camp Food	1,140.98		
Meals	223.25		
Accommodation	267.36		
Taxis and Airporters	81.31		
Aircraft Charters	1,712.00		
Helicopter Charters	6,325.00		

Airfare	1,630.08
Telephone Distance Charges	5.26
Courier	58.85
Freight	819.96
Bulk Fuel	634.06
Radio Rental (non-Equity)	241.88
Expediting	677.00
Report (estimated)	<u>5,000.00</u>
	<u>26,637.32</u>

SUB-TOTAL: \$ 55,810.99

PROJECT SUPERVISION CHARGE:

Previous expenditures: \$0,000.00	
12% on portion <\$50,000: (\$50,000.00)	\$ 6,000.00
10% on balance: (\$5,810.99)	<u>581.10</u>
	<u>6,581.10</u>

SUB-TOTAL: \$ 62,392.09

GST:

7% on sub-total	<u>4,367.45</u>
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TOTAL: **\$ 66,759.54**

Appendix C: Rock Sample Descriptions

MINERALS AND ALTERATION TYPES

AL	alunite; "minerals and alteration types"	EN	enargite	NE	neotocite
AS	arsenopyrite	EP	epidote	PA	pyrargyrite
AZ	azurite	GE	goethite	PL	pyrolusite
BA	barite	GL	galena	PO	pyrrhotite
BI	biotite	GR	graphite	PY	pyrite
BO	bornite	HE	hematite	QZ	quartz veining
BT	pyrobitumen	HS	specularite	RE	realgar
CA	calcite	HZ	hydrozincite	RN	rhodonite
CB	Fe-carbonate	JA	jarosite	SB	stibnite
CC	chalcocite	KF	potassium feldspar	SI	silicification
CD	chalcedony	MC	malachite	SM	smithsonite
CL	chlorite	MG	magnetite	SP	sphalerite
CP	chalcopyrite	MN	Mn-oxides	SR	scorodite
CV	covellite	MR	mariposite/fuchsite	TT	tetrahedrite
CY	clay	MS	sericite		
		MT	marcasite		

ALTERATION INTENSITY

m	moderate	tr	trace	w	weak
s	strong	vs	very strong		

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCB, sQZ 15%PY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276501 Sutlahine	UTM 6509812	N	UTM 608411	E	Strike Length Exp:	10 m	Metallics:	5%AS,1%CP,10%GL,	123	102 g/t	>10000	2.82 %
	Elevation	m	Sample Width:	5 cm	True Width:	5 cm	Secondaries:	sGE, sHE, wJA, tMC	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 266°/72°				Host :	Quartz carbonate/ wallrock lapilli tuff	2	>10000	1670	1870
Sampled By: TS 04-Jul-04	Consistant vein on strike with recessive zone in cliff upstream. This is Joly Creek. Parallels vein to the north 10m.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCA, sCB, sQZ ?SP	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276502 Sutlahine	UTM 6509812	N	UTM 608411	E	Strike Length Exp:	40 m	Metallics:	10%AS,15%GL,10%PY	984	26.5	>10000	2.38 %
	Elevation	m	Sample Width:	15 cm	True Width:	15 cm	Secondaries:	sGE, sHE, sJA, wSR	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 268°/74°				Host :	Lapilli Tuff	1	1.49 %	>10000	>10000
Sampled By: TS 04-Jul-04	This vein has lots more arseno than sample 276501, and more quartz carbonates and large lenses of well crystallized calcite. Well developed sulphide crystal structure in places. 10m upslope from sample #276501.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Select	Alteration:	wCA< wCB, mQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276503 Sutlahine	UTM 6509822	N	UTM 608568	E	Strike Length Exp:	20 m	Metallics:	20%AS, tCP, 30%PY	1.51 g/t	5.2	>10000	202
	Elevation	m	Sample Width:	5 cm	True Width:	5 cm	Secondaries:	sGE, sHE, wJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 078°/84°				Host :	Medium grained light mafic	2	276	188	61
Sampled By: TS 05-Jul-04	In creek just below junction of Joly creek and camp.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276504 Sutlahine	UTM 6609710	N	UTM 608810	E	Strike Length Exp:		Metallics:	15%PY	<5	2.1	495	74
	Elevation	m	Sample Width:	0 cm	True Width:	cm	Secondaries:	sGE, sHE, sJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
							Host :	Lappilli tuff	10	117	32	38
Sampled By: TS 05-Jul-04	Looks like packed zone. Disseminated pyrite throughout surrounding host. Sample heavily bleached and weathered, maybe even brecciated with pyrite between clasts. Zone on the verge of collapsing into creek.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCA, sCB	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276505 Sutlahine	UTM 6508590	N	UTM 609002	E	Strike Length Exp:	10 m	Metallics:	2%AS, 10%PY, ?SP	409	0.8	>10000	105
	Elevation 790	m	Sample Width:	5 cm	True Width:	5 cm	Secondaries:	sGE, mHE, wMN	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Bedding 122°/50°				Host :	Argilites and sandstones	2	794	191	2600
Sampled By: TS 05-Jul-04	Large 1 cm pyrite crystals and smaller fine-grained arseno crystals in carbonate vein. Lots of small thin veins in outcrop here. Good exposure.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI 5%SP,?TT	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276506 Sutlahine	UTM 6509350	N	UTM 609500	E	Strike Length Exp:	5 m	Metallics:	10-15%AS,1%CP,10%PY	1.92 g/t	31.8	>10000	2580
	Elevation	m	Sample Width:	5 cm	True Width:	5 cm	Secondaries:	sGE, sHE, wJA, wSR	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 094°/70°				Host :	Mafic Tuff	2	1.77 %	6900	>10000
Sampled By: TS 06-Jul-04	Nice looking vein about 7cm wide, silicified breccia next to vein bearing finer minerals. Wall rock has disseminated pyrite and pyrrhotite throughout.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276507 Sutlahine	UTM 6509586 Elevation 795	N m	UTM 609860 Sample Width: 0 317°/?°	E cm	Strike Length Exp: True Width: Host :	Exp: 0 cm cm Argillite	Metallics: Secondaries: Host :	tAS, tCP, 10%PY sGE, sHE, ?MC	244 Mo (ppm) 51	35.7 Pb (ppm) 768	3230 Sb (ppm) 289	348 Zn (ppm) 1845
Sampled By: TS 06-Jul-04	Argillite beds in creek in contact with volcanics. Argillites are bedded with quartz veins and brecciated sections of pyrite throughout. Right in creek, difficult to sample.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	?CA, sCB, mQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276508 Sutlahine	UTM 6509610 Elevation	N m	UTM 609800 Sample Width: 10 Vein 320°/?°	E cm	Strike Length Exp: True Width: Host :	Exp: 2 m 10 cm Argillites	Metallics: Secondaries: Host :	<1%AS, 5%GL, 25%PY mGE, sHE 25%SP	482 Mo (ppm) 3	50.3 Pb (ppm) 6.54 %	5390 Sb (ppm) 421	1140 Zn (ppm) >10000
Sampled By: TS 04-Jul-04	Junction of 2 creeks just up west drainage. Argillite seems to bend hard to the north right here, still close to contact with altered volcanics, possibly porphyritic. Lots of brecciation and paralleling veins here.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCA, mQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276509 Sutlahine	UTM 6509922 Elevation 1070	N m	UTM 608277 Sample Width: 10	E cm	Strike Length Exp: True Width: Host :	Exp: 20 m 10 cm Altered mafic volcanic lapilli tuff	Metallics: Secondaries: Host :	<1%GL, 1%PY, 1%SP sGE, sHE	8 Mo (ppm) 1	2 Pb (ppm) 1910	588 Sb (ppm) 1425	64 Zn (ppm) 1130
Sampled By: TS 07-Jul-04	North of Joly creek, just past next set of small gullies. Thin, pinched out veins and small fractures with sulphides in altered sections of host rock. Near base of cliff.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCB, sMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276510 Sutlahine	UTM 6510221 Elevation 1023	N m	UTM 607994 Sample Width: 5	E cm	Strike Length Exp: True Width: Host :	Exp: 15 m 5 cm Altered intrusive	Metallics: Secondaries: Host :	1%AS, 10%PY, ?SP sGE, sHE	108 Mo (ppm) 1	2.1 Pb (ppm) 298	9170 Sb (ppm) 148	254 Zn (ppm) 1000
Sampled By: TS 07-Jul-04	All the host rock is strongly altered and pyritic. Large zone, small veinlets and mineralized fractures throughout. Porphyritic stones in float below, very angular.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276511 Sutlahine	UTM 6510281 Elevation 1007	N m	UTM 608041 Sample Width: 5	E cm	Strike Length Exp: True Width: Host :	Exp: 3.3 g/t 5 cm Highly mineralized quartz boulder	Metallics: Secondaries: Host :	30%AS,?GL,25%PY,?SP sGE, sHE, sJA	3.3 g/t Mo (ppm) 3	56.4 Pb (ppm) 519	>10000 Sb (ppm) 387	1925 Zn (ppm) 45
Sampled By: TS 07-Jul-04	Float boulder below creek gully on top of talus. Very hot stone, looks 'Thom-like'. End of day on my way down, didn't follow up. Very small, nothing left at site.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276512 Sutlahine	UTM 6506715 Elevation 1543	N m	UTM 610404 Sample Width: 20	E cm	Strike Length Exp: True Width: Bedding	Exp: 100 m 20 cm 128°/28°	Metallics: Secondaries: Host :	5%PY sGE, sHE Silicified sandstone	16 Mo (ppm) 2	1.8 Pb (ppm) 19	27 Sb (ppm) <2	237 Zn (ppm) 124
Sampled By: TS 09-Jul-04	Found one Ammonite. Pyrite bedded throughout strongly foliated rock (shale?). Just below conglomerates and tuffs.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number: Grid North: N Grid East: E Type: Grab Alteration: sCL, sQZ
276513 UTM 6506250 N UTM 611274 E Strike Length Exp: 20 m Metallics: 4%PO, 2%PY <5 0.9 9 28
Sutlahine Elevation 1604 m Sample Width: 15 cm True Width: cm Secondarys: sGE, sHE, wJA Mo (ppm) Pb (ppm) Sb (ppm) Zn (ppm)
044°/2° Host : Block ash tuff <1 9 <2 104

Sampled By: TS 5m wide section cutting across stratigraphy. Pyritic, looks like it blasted through and picked up fragments which would make it a volcanic breccia. On ridge top.

Sampled By: TS **Date:** 10-Jul-04 **Description:** Fine to coarse-grained disseminated pyrite throughout. Lots of spots like this throughout ridge. From here headed northwest. Raining hard, can't follow up because it's treacherous today.

Sample Number: Grid North: N Grid East: E Type: Grab Alteration: mCL, sKF, ?MR Au (ppb) Ag (ppm) As (ppm) Cu (ppm)

276515 UTM 6506352 N UTM 610610 E Strike Length Exp: 100 m Metallics: 1%PO, 5-10%PY <5 0.4 81 6

Sutlahine Elevation 1603 m Sample Width: 20 cm True Width: 20 cm Secondaries: sGE, sHE, sJA Mo (ppm) Pb (ppm) Sb (ppm) Zn (ppm)

Host : Intrusive volcanic <1 15 <2 42

Sampled By: TS Large area of this rock is all gossan. A few samples taken across zone.
10-JUL-04

Sample Number: Grid North: N Grid East: E Type: Grab Alteration: sCB, mSI
276516 UTM 6507372 N UTM 612876 E Strike Length Exp: 100 m Metallics: <1% TT Au (ppb) Ag (ppm) As (ppm) Cu (ppm)
Sutlahine Elevation 1437 m Sample Width: 0 cm True Width: cm Secondaries: wCCC,mHE,mMC,mMN Mo (ppm) Pb (ppm) Sb (ppm) Zn (ppm)
110°?/° Host : Fossiliferous limestone <1 20 <2 37

Sampled By: TS Limestone reef in contact with a mafic rock, looks porphyritic. Lots of brownish red in limestone. It seems that sulphide is related to southern contact
11-Jul-04

Sample Number: Grid North: N Grid East: E Type: Grab Alteration: sCL, mKF, wMS, mQZ
276517 UTM 6507372 N UTM 612876 E Strike Length Exp: 100 m Metallics: ?TT <5 <0.2 <2 20
Sutlahine Elevation 1437 m Sample Width: 15 cm True Width: 15 cm Secondarys: wGE Mo (ppm) Pb (ppm) Sb (ppm) Zn (ppm)
110°?/?° Host : Chloritic porphyry <1 7 <2 69

Sampled By: TS
11-Jul-04 Contact with limestone. I'm hoping it may run copper because limestone seems to mineralized at contact. Can see a fine grained sulphide, but no secondaries. Further south contact of limestone section.

Sample Number: Grid North: N Grid East: E Type: Float Alteration: sCB, mQZ, sS! Au (ppb) Ag (ppm) As (ppm) Cu (ppm)
276518 UTM 6507372 N UTM 612759 E Strike Length Exp: 100 m Metallics: ?CP, tPY, <1%TT <5 0.2 2430 3.87 %
Sutlahine Elevation 1438 m Sample Width: 0 cm True Width: cm Secondaries: wCC, mGE, sHE, mMC, Mo (ppm) Pb (ppm) Sb (ppm) Zn (ppm)
Host : Limestone <1 5 2 21

Sampled By: TS Jasper in rock, believed to be subcrop again at contact with mafic volcanic.
11-Jul-04

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCB, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276519 Sutlahine	UTM 6507394 Elevation 1461	N m	UTM 612747 Sample Width: 0	E cm	Strike Length Exp:	100 m	Metallics:	?TT	<5	0.2	9	1420
					True Width:	cm	Secondaries:	wCC, wGE, mMC	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Limestone reef			<1	4	<2	15
Sampled By: TS 11-Jul-04	Again close to southern contact of limestone section with mafic.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCA, sCB, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276520 Sutlahine	UTM 6507395 Elevation 1369	N m	UTM 611636 Sample Width: 0	E cm	Strike Length Exp:	50 m	Metallics:	<1%CP, tPY	<5	0.7	20	2710
					True Width:	cm	Secondaries:	sGE, wMC, mMN	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Limestone creek			<1	6	7	31
Sampled By: TS 12-Jul-04	Limestone belt seems to pinch out in this area. It appears that there is a huge limestone section low down in big valley west of here. Plan on scoping out tomorrow.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276521 Sutlahine	UTM 6507382 Elevation	N m	UTM 611663 Sample Width: 10	E cm	Strike Length Exp:	20 m	Metallics:	1%AS, 1%CP, 1%PY	12	0.8	48	1015
					True Width:	10 cm	Secondaries:	?CC, sGE, wHE, wMC	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Sandstone			15	48	6	267
Sampled By: TS 12-Jul-04	Interesting, thin sandstone unit pinched between mafic tuff and limestone reef. Very fine disseminated sulphides also fracture related. Maybe a meter wide, quite weathered and recessive. Tiny creek runs through here.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCB, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276522 Sutlahine	UTM 6507411 Elevation 1395	N m	UTM 611691 Sample Width: 40	E cm	Strike Length Exp:	60 m	Metallics:		<5	0.2	18	112
					True Width:	40 cm	Secondaries:	mGE, mHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Silicified sandstone and carbonate			2	5	37	21
Sampled By: TS 12-Jul-04	Limestone and sandstone get pinched into 40cm silicious glassy layer between purple mafic tuff and conglomerate. Faults and crossfaults present here and pinches out 60m up gully.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276523 Sutlahine	UTM 6507109 Elevation 1336	N m	UTM 622477 Sample Width: 20	E cm	Strike Length Exp:		Metallics:	7%AS, 10%PY	4435	5.5	>10000	45
					True Width:	20 cm	Secondaries:	sGE, sHE, sJA, mMN	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Sandstone breccia			1	30	883	162
Sampled By: TS 14-Jul-04	Real juicy looking epithermal mineralization with brecciated siltstone clasts, lots of arseno. 3 to 4 veins over a 5 to 10m section with altered host rock bearing mineralization. Recessive zone on strike for a couple hundred meters.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276524 Sutlahine	UTM 6507094 Elevation 1363	N m	UTM 622438 Sample Width: 0	E cm	Strike Length Exp:	10 m	Metallics:	2%AS, 7%PY, 5%EN	2205	2.5	>10000	20
					True Width:	cm	Secondaries:	mGE, mHE, sJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Altered sandstone			3	38	125	63
Sampled By: TS 14-Jul-04	30m uphill from 276523, thin vein with mineralized wallrock. Black mineral in vein, possibly enargite.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276525 Sutlahine	UTM 6507134 Elevation 1365	N m	UTM 622389 Sample Width: 8 Vein 230°/36°	E cm	Strike Length Exp: 50 m True Width: 8 cm Host : Sandstone	50 m cm	Metallics: Secondaries:	2%AS, 10%PY, ?EN sGE, sHE, sJA	1267.5 Mo (ppm) 1	2.6 Pb (ppm) 29	>10000 Sb (ppm) 73	38 Zn (ppm) 120	
Sampled By: TS 14-Jul-04	Parallel epithermal vein to 276523-24. Wall rock mineralized aswell.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	?MS, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276526 Sutlahine	UTM 6507156 Elevation 1378	N m	UTM 622330 Sample Width: 0	E cm	Strike Length Exp: 50 m True Width: cm Host : Sandstone pebble conglomerate	50 m cm	Metallics: Secondaries:	2%AS, 5%PY sGE, mHE, sJA	1530 Mo (ppm) 2	3.7 Pb (ppm) 24	>10000 Sb (ppm) 106	31 Zn (ppm) 23	
Sampled By: TS 14-Jul-04	Recessive zone about 5m wide and over 50m long. Swarms of thin veins and disseminated pyrite throughout, very close to previous epithermal sample.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276527 Sutlahine	UTM 6507159 Elevation 1382	N m	UTM 622237 Sample Wkdh: 0	E cm	Strike Length Exp: True Width: cm Host : Pyritized sandstone	3 m cm	Metallics: Secondaries:	1%AS, 10%PY sGE, sHE, mJA	1337.5 Mo (ppm) 1	2.4 Pb (ppm) 113	>10000 Sb (ppm) 83	24 Zn (ppm) 45	
Sampled By: TS 14-Jul-04	Possibly an epithermal vein running through this 5m wide recessive zone. Host rock has thin mineralized veins and fractures.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276528 Sutlahine	UTM 6507159 Elevation	N m	UTM 622237 Sample Width: 20	E cm	Strike Length Exp: 3 m True Width: 20 cm Host : Conglomerate	3 m cm	Metallics: Secondaries:	5%AS, 15%PY, ?SP sGE, sHE, sJA	13.35 g/t Mo (ppm) 2	324 g/t Pb (ppm) 5220	8630 Sb (ppm) 152	152 Zn (ppm) 3400	
Sampled By: TS 14-Jul-04	Vein is wide here with brecciated siltstone clasts in it. Just west about 75m of sample 276527, up steep talus slope.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ	5%SP	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276529 Sutlahine	UTM 6506461 Elevation 1571	N m	UTM 621647 Sample Width: 10	E cm	Strike Length Exp: 5 m True Width: 10 cm Host : Intermediate volcanic porphyry	5 m cm	Metallics: Secondaries:	tAS,1%CP,3%GL,10%PY sGE,sHE,sJA,wMC,mHZ	885 Mo (ppm) 2	1255 g/t Pb (ppm) 1.09 %	1360 Sb (ppm) 586	1455 Zn (ppm) 5.07 %	
Sampled By: TS 14-Jul-04	Porphyritic rock coming in above and below here. Quartz everywhere around the intrusive, lots of limonite and veins, very hot spot. Quartz stringers everywhere, hydrozincite all around in weathered rock.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, mSI	<1%SP	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276530 Sutlahine	UTM 6506337 Elevation 1638	N m	UTM 621777 Sample Width: 1	E m	Strike Length Exp: 5 m True Width: 1 m Host : Mafic volcanic quartz alteration	5 m m	Metallics: Secondaries:	5%AS,tCP,?GL,10%PY mGE, sHE, wJA	985 Mo (ppm) 4	4.6 Pb (ppm) 57	>10000 Sb (ppm) 157	53 Zn (ppm) 192	
Sampled By: TS 15-Jul-04	Intermediate to mafic tuffs and flows with heavily mineralized quartz vein swarms in some areas. Veins mostly thin, 1-3cm.												

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276531 Sutlahine	UTM 6506356 Elevation 1646	N m	UTM 621711 Sample Width: 20 090°/?	E cm	Strike Length Exp: 50 m True Width: 20 cm Host : Mafic tuff	50 m	Metallics:	5%PY	422	5.7	4180	28
							Secondaries:	sGE, mHE, sJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									2	56	23	130
Sampled By: TS 15-Jul-04	Larger veins are striking due east, paralleling each other cross slope with swarming and alteration between intermediate to mafic volcanics. There appears to be some felsics above.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276532 Sutlahine	UTM 6506361 Elevation 1633	N m	UTM 621567 Sample Width: 50	E cm	Strike Length Exp: 10 m True Width: 50 cm Host : Silicified volcanic	10 m	Metallics:	tCP,1%GL,5%PY,10%SP	540	1225 g/t	7390	407
							Secondaries:	sGE, mHE, sJA, mMN	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									3	7890	250	9030
Sampled By: TS 15-Jul-04	This is a nice showing. Silicified zone of mineralization. It is 1m to 3 meters wide.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276533 Sutlahine	UTM Elevation	N m	UTM Sample Width: 50	E cm	Strike Length Exp: True Width: 50 cm Host : Quartz/breccia boulder	50 cm	Metallics:	15%AS, 5%PY	305	2.8	>10000	24
							Secondaries:	mGE, mHE, mJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									7	69	22	76
Sampled By: TS 16-Jul-04	Really nice large, angular float boulder. Chased straight above, but must be from further up. Nice looking porphyry boulders near here as well.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCL, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276534 Sutlahine	UTM 6505473 Elevation 1627	N m	UTM 622043 Sample Width: 30	E cm	Strike Length Exp: 100 m True Width: 30 cm Host : Mafic tuff	100 m	Metallics:	10%AS, 10%PY	300	3	>10000	39
							Secondaries:	sGE, sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									1	98	22	170
Sampled By: TS 16-Jul-04	Arseno well developed, some twins. Disseminated in wall rock of quartz veins and in veins and fractures right next to contact with intrusive porphyry. Large area all along head wall here.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sBI, sKF, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276535 Sutlahine	UTM 6505461 Elevation 1616	N m	UTM 622057 Sample Width: 0	E cm	Strike Length Exp: 50 m True Width: cm Host : Intrusive porphyry	50 m	Metallics:	20%PO, tPY	<5	0.5	66	9
							Secondaries:	wGE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									1	10	<2	43
Sampled By: TS 16-Jul-04	Sample of the intrusive rock.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276536 Sutlahine	UTM 6499838 Elevation	N m	UTM 618680 Sample Width: 10	E cm	Strike Length Exp: 3 m True Width: 10 cm Host : Siliceous sandstone	3 m	Metallics:	?AS,<1%CP,?PO	11.1 g/t	2.2	29	473
							Secondaries:	sGE,sHE 30%PY,?SV	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									<1	19	2	38
Sampled By: TS 18-Jul-04	Thin zone lenses out with another found up hill. Not sure what the predominant mineralization is, but it is possibly silver. Very stinky sulfur smell when broken. Outcropping on top of talus. On left side of large notch in a cliff.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276537	UTM 6499567	N	UTM 619081	E	Strike Length Exp:	10 m	Metallics:	tCP, 20%PO, 10%PY	29	0.3	4	243	
Sutlahine	Elevation 705	m	Sample Width:	15 cm	True Width:	15 cm	Secondaries:	sGE, sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
					Host :	Silicified sandstone			2	24	<2	66	
Sampled By:	TS	Pyrrhotite in siltstone is bedded and disseminated throughout. Rock is weathered and hard to get clean break. Lots of areas similar to this along cliffs.											
	20-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI ?MC, tPO, 20%PY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276538	UTM 6499521	N	UTM 619070	E	Strike Length Exp:	20 m	Metallics:	?AS, <1%CP, 10%HS	122	0.8	2	390	
Sutlahine	Elevation 700	m	Sample Width:	20 cm	True Width:	20 cm	Secondaries:	sGE, sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
					Host :	Siliceous sandstone			1	134	2	1370	
Sampled By:	TS	Really hot smell when broken, some minerals are questionable. Several pods or lenses of this stuff in these cliffs, but no distinct orientation.											
	20-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276539	UTM 6499514	N	UTM 619048	E	Strike Length Exp:	5 m	Metallics:	?AS, 20%PO, 15%PY	18	<0.2	483	269	
Sutlahine	Elevation 679	m	Sample Width:	10 cm	True Width:	10 cm	Secondaries:	sGE, sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
					Host :	Silicified siltstone			<1	14	4	94	
Sampled By:	TS	Interesting bleached out vuggy float, looks barritic.											
	20-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mQZ, mSI, mBA	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276540	UTM 5499511	N	UTM 619029	E	Strike Length Exp:	3 m	Metallics:	?AS, 2%PO, 1%PY	8	<0.2	5	65	
Sutlahine	Elevation 667	m	Sample Width:	5 cm	True Width:	5 cm	Secondaries:	sGE, sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
					Host :				2	21	<2	82	
Sampled By:	TS	Bedding seems to change direction right here. Lots of small barite veins at contact between siltstone and some sort of chlorite altered rock.											
	20-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276541	UTM 6499724	N	UTM 619297	E	Strike Length Exp:	20 m	Metallics:	tAS, tCP, 40%PO, 40%PY	<5	1.4	408	1560	
Sutlahine	Elevation 807	m	Sample Width:	50 cm	True Width:	50 cm	Secondaries:	sGE, sHE, mJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
					Host :	Siltstone and sandstones			5	15	<2	36	
Sampled By:	TS	Massive sulphide lenses up to 0.5 meters thick. Bedded in silt and sandstones, continuous disseminated sulphides throughout bed. Sampled lens is up to 2m possibly 5 m long, lenses continue uphill and towards gully. Best lenses on cliff, on west side of big gully above the soil line.											
	21-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI 30%PY, ?SP	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276542	UTM 6499724	N	UTM 619297	E	Strike Length Exp:	3 m	Metallics:	10%AS,tCP,?HS,40%PO	<5	2.1	29	574	
Sutlahine	Elevation 800	m	Sample Width:	40 cm	True Width:	40 cm	Secondaries:	sGE, vsHE, mJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
					Bedding	285°/26°	Host :	Silicified sandstone		3	21	<2	10 %
Sampled By:	TS	Crystals that look like agate throughout rock. Looks like sphalerite throughout matrix around quartz. Lots of pyrrhotite and pyrite and possibly arseno. Hot looking rock.											
	23-Jul-04												

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276543 Sutlahine	UTM 6499274 Elevation	N m	UTM 619297 Sample Width:	E cm	Strike Length Exp:	3 m True Width: 40 cm 285°/26°	Metallics:	?AS, tCP, 40%PO, 40%P Secondaries: sGE, vsHE, mA Host: Silicified siltstones	10 Mo (ppm) 8	1.4 Pb (ppm) 21	3480 Sb (ppm) 4	958 Zn (ppm) 1.33 %
Sampled By: TS 23-Jul-04	Large lens 3m long and 40cm wide. Same location as 276542, but more massive. The bench above may mark a contact with volcanics.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	sQZ, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276544 Sutlahine	UTM 6499714 Elevation 805	N m	UTM 619334 Sample Width: 1	E m	Strike Length Exp:	10 m True Width: 1 m Host: Siliceous siltstone	Metallics:	?AS,tCP,40%PO,40%PY Secondaries: vsGE, vsHE, sJA	<5 Mo (ppm) 20	1.2 Pb (ppm) 20	172 Sb (ppm) <2	1230 Zn (ppm) 477
Sampled By: TS 23-Jul-04	Massive section is 80cm wide here. Same bed as previous 3 samples. Possibly runs on east side of prominent gully at base of cliff.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Select	Alteration:	wCB, mCL	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276601 Sutlahine	UTM 6509920 Elevation 1050	N m	UTM 607993 Sample Width: 8	E cm	Strike Length Exp:	10 m True Width: 8 cm Vein 278°/84°	Metallics:	5%AS, 1%CP, 30%GL, Secondaries: 3%PO, 5%PY Host: Andesite	1.06 g/t Mo (ppm) 1	158 g/t Pb (ppm) 3.32 %	>10000 Sb (ppm) >10000	5.88 % Zn (ppm) >10000
Sampled By: AS 04-Jul-04	Zone of altered andesite, with several thin quartz veins. May be hosted in faulted bedding, is hard to see in volcs.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	sCL, wCY, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276602 Sutlahine	UTM 6509535 Elevation 840	N m	UTM 609438 Sample Width: 0	E cm	Strike Length Exp:	Metallics:	3%PY Secondaries: tJA Host: Biotite quartz diorite	8 Mo (ppm) 1	0.3 Pb (ppm) 76	309 Sb (ppm) 19	7 Zn (ppm) 86	
Sampled By: AS 05-Jul-04	Float from an old slide of "Thorn Stock" like rock.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	mCL, wCY, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276603 Sutlahine	UTM Elevation 1010	N m	UTM Sample Width: 0	E cm	Strike Length Exp:	Metallics:	tAS, tCP, 2%PY Secondaries: wJA Host: Quartz diorite	<5 Mo (ppm) 1	0.2 Pb (ppm) 90	85 Sb (ppm) 18	13 Zn (ppm) 72	
Sampled By: AS 06-Jul-04	Poorly developed quartz eyes, but otherwise similar to Thorn Stock. Poor GPS.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCY, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276604 Sutlahine	UTM 6510713 Elevation 1273	N m	UTM 608851 Sample Width: 2	E m	Strike Length Exp:	5 m True Width: 5 m Bedding 105°/41°	Metallics:	tCP, 2%PY Secondaries: mAZ Host: Feldspathic Arenite	<5 Mo (ppm) <1	<0.2 Pb (ppm) 5	26 Sb (ppm) 2	104 Zn (ppm) 89
Sampled By: AS 06-Jul-04	Disseminated sulphides with minor Az staining. Contains clasts rich in sulphides and layered, perhaps sulphide rich shale.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCY, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276605 Sutlahine	UTM 6510751 Elevation 1280	N m	UTM 608845 Sample Width: 1.2	E m	Strike Length Exp: 10 m True Width: 1	136°/31°	Host:	Shale	Metallics: 5%PY Secondaries: sHE, mMN	<5	0.2	20	249
									Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
									<1	9	2	116	
Sampled By: AS 06-Jul-04	Lithologically controlled												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCY, mMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276606 Sutlahine	UTM 6510755 Elevation 1274	N m	UTM 608854 Sample Width: 0	E cm	Strike Length Exp:	True Width: cm	Host:		Metallics: 2%PY Secondaries: sJA	14	<0.2	8	132
									Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
									<1	7	3	99	
Sampled By: AS 06-Jul-04	Silicified cb veinlets, looks like rock has been leached.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCY, wMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276607 Sutlahine	UTM 6510802 Elevation 1290	N m	UTM 608793 Sample Width: 0.5	E m	Strike Length Exp: 1 m True Width: 1	m	Host:	Shale and Siltstone	Metallics: 12%PY Secondaries: sGE	12	1.7	71	297
									Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
									1	13	5	73	
Sampled By: AS 06-Jul-04	Layered pyrite parallel to bedding. Occasionally semi massive to massive pyrite.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276608 Sutlahine	UTM 6506505 Elevation	N m	UTM 612088 Sample Width: 1	E cm	Strike Length Exp: 5 m True Width: 5	m	Host:		Metallics: 3%CP, 3%PY Secondaries: sAZ	26	0.4	24	90
									Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
									2	42	<2	70	
Sampled By: AS 09-Jul-04	Mineralization focused along cleavage plane, adjacent to dacite dyke.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCL, mCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276609 Sutlahine	UTM 6505538 Elevation 1459	N m	UTM 612037 Sample Width: 20	E m	Strike Length Exp: True Width: cm	cm	Host:	quartz monzodiorite	Metallics: Secondaries:	<5	0.2	11	27
									Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
									1	13	<2	99	
Sampled By: AS 09-Jul-04	For U/Pb geochronology.												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	sEP	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	
276610 Sutlahine	UTM 6506944 Elevation 1535	N m	UTM 611885 Sample Width: 0	E cm	Strike Length Exp: True Width: cm	cm	Host:	Volcanic clastic andesite	Metallics: 1%AS, 5%PY, tSP Secondaries:	<5	<0.2	13	6
									Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)	
									<1	14	<2	52	
Sampled By: AS 10-Jul-04	About 20 metres down-slop of outcrop in talus. Carbonate vein similar to 'Son of Cirque' (SOC) veining.												

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276611 Sutlahine	UTM 6507119	N	UTM 611510	E	Strike Length Exp:	20 m	Metallics:	1%PY	<5	<0.2	3	8
	Elevation 1600	m	Sample Width: 8	cm	True Width:	8 cm	Secondaries:	sGE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 215°/87°				Host:	Rhyolite flows and lapilli tuffs	1	7	<2	80
Sampled By: AS 10-Jul-04	Quartz vein that appears to have had sulphides leached away.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCL, mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276612 Sutlahine	UTM 6507093	N	UTM 611515	E	Strike Length Exp:	50 m	Metallics:	1%CP, tGI, 10%PY	13	<0.2	<2	9
	Elevation 1526	m	Sample Width: 2	m	True Width:	20 m	Secondaries:	sGE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Bedding 230°/03°				Host:	Lapilli tuff	6	20	<2	89
Sampled By: AS 10-Jul-04	Mainly disseminated sulphides throughout outcrop with some stringers.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sMS, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276613 Sutlahine	UTM 6507057	N	UTM 611522	E	Strike Length Exp:	20 m	Metallics:	tAS, 10%PY	<5	<0.2	<2	6
	Elevation 1502	m	Sample Width: 50	cm	True Width:	50 cm	Secondaries:	sGE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 005°/88°				Host:	Rhyolitic flow and lapilli tuff	5	19	<2	22
Sampled By: AS 10-Jul-04	Same style vein as 276611, only wider and with more sulphides present.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCB, wSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276614 Sutlahine	UTM 6507442	N	UTM 612579	E	Strike Length Exp:	5 m	Metallics:	tPY	<5	<0.2	11	64
	Elevation 1477	m	Sample Width: 30	cm	True Width:	4 m	Secondaries:	sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
							Host:	Mafic cobble clast supported conglomerate	<1	2	2	38
Sampled By: AS 10-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCL, wCY, wMG	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276615 Sutlahine	UTM 6506621	N	UTM 611679	E	Strike Length Exp:	100 m	Metallics:	5%PO, 5%PY	<5	<0.2	20	32
	Elevation	m	Sample Width: 2	m	True Width:	2 m	Secondaries:	mGE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
							Host:	Gabbroic dyke adjacent to major fault	2	8	2	98
Sampled By: AS 12-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float + Grab	Alteration:	wCY, wMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276616 Sutlahine	UTM 6506859	N	UTM 611845	E	Strike Length Exp:	3 m	Metallics:	tGL, 7%PY, tSP	<5	<0.2	38	13
	Elevation 1591	m	Sample Width: 3	m	True Width:	3 m	Secondaries:	sJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
							Host:	Volcanic breccia/ block tuff	1	28	3	74
Sampled By: AS 12-Jul-04	Subcrop buried below volcanics.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCY, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276617 Sutlahine	UTM 6507207 Elevation 1303	N m	UTM 622909 Sample Width: 30	E cm	Strike Length Exp:	3 m	Metallics:	1%PY	9	1.1	119	31
					True Width:	4 m	Secondaries:	sGE, mHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
			Vein 218°/81°		Host:	Sandstone			2	7	3	63
Sampled By: AS 14-Jul-04	Outlaw-like with void spaces filled by sugary yellow quartz and minor sulphide.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276618 Sutlahine	UTM 6507017 Elevation 1379	N m	UTM 622460 Sample Width: 30	E cm	Strike Length Exp:	5 m	Metallics:	1%AS, 5%PY	179	1.5	1390	42
			Vein 091°/72°		True Width:	1 m	Secondaries:	sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Sandstone and conglomerate			1	13	10	41
Sampled By: AS 14-Jul-04	Zone of alteration about 1 meter wide.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCY, mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276619 Sutlahine	UTM 6507188 Elevation 1378	N m	UTM 622023 Sample Width: 40	E cm	Strike Length Exp:	3 m	Metallics:	3%AS, tCP, 7%PY	2590	498 g/t	>10000	444
			Vein 098°/75°		True Width:	40 cm	Secondaries:	sGE, sHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Sandstone with lesser cobble conglomerate			2	408	177	5590
Sampled By: AS 14-Jul-04	Possible Alunite in sample.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCY, mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276620 Sutlahine	UTM 6506533 Elevation 1201	N m	UTM 623014 Sample Width: 40	E cm	Strike Length Exp:	20 m	Metallics:	3%AS, 5%PY, tTT,	103	1.5	2650	19
			Vein 118°/90°		True Width:	1 m	Secondaries:	sGE 2%Stibnite	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Conglomerate			<1	8	15	36
Sampled By: AS 15-Jul-04	Zone of quartz breccia.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCY, mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276621 Sutlahine	UTM 6506885 Elevation 1430	N m	UTM 622179 Sample Width: 0	E cm	Strike Length Exp:		Metallics:	2%AS, 8%PY, tEN	234	4.3	1695	32
					True Width:	cm	Secondaries:	wAZ, sGE, mHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Sandstone and lithic cobble conglomerate			2	26	15	48
Sampled By: AS 16-Jul-04												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCY, mMS, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276622 Sutlahine	UTM 6506221 Elevation 1699	N m	UTM 621741 Sample Width: 1	E m	Strike Length Exp:	30 m	Metallics:	2%AS, 8% PY, tSP	262	0.4	3950	6
			Vein 356°/74°		True Width:	4 m	Secondaries:	sGE, wHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host:	Hbld and Biotite monzonite/ quartz monzonite			1	10	16	54
Sampled By: AS 16-Jul-04	Contact between intrusive and turbidites.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sCL, wCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276623 Sutlahine	UTM 6506221 Elevation 1699	N m	UTM 621741 Sample Width: 5	E m	Strike Length Exp:	True Width: 70 m	Metallics:	tPY	<5	0.4	19	4
						Host : Hbld and Biotite monzodiorite	Secondaries:		Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									1	7	2	61
Sampled By: AS 16-Jul-04	U/Pb geochronology sample.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCY, sMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276624 Sutlahine	UTM 6506340 Elevation	N m	UTM 622470 Sample Width: 0	E cm	Strike Length Exp:	True Width: cm	Metallics:	5% PY, tSP, ?BL	2715	0.6	>10000	7
						Host : Altered Porphyry	Secondaries:		Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									12	72	83	31
Sampled By: AS	In moraine of valley south of camp. Collected by BM.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276625 Sutlahine	UTM 6499570 Elevation 720	N m	UTM 619086 Sample Width: 0	E cm	Strike Length Exp:	True Width: cm	Metallics:	3% AS, 20% PY	<5	<0.2	34	95
						Host : Siltstone	Secondaries:	sGE, mHE, wJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									1	8	4	176
Sampled By: AS 20-Jul-04	From main scree slope of Bryar. Disseminated and fracture-filling sulphides.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	mMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276626 Sutlahine	UTM 6499517 Elevation 719	N m	UTM 619090 Sample Width: 0	E cm	Strike Length Exp:	True Width: cm	Metallics:	2%AS, 2%PO, 8%PY	<5	<0.2	21	106
						Host : Siltstone	Secondaries:	mGE, mHE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									2	9	2	81
Sampled By: AS 20-Jul-04	Stringers of sulphide in siltstone. Slightly oblique to bedding.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	sCY, wMS, sSI, sPP	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276627 Sutlahine	UTM 6499521 Elevation 682	N m	UTM 619051 Sample Width: 0	E cm	Strike Length Exp:	True Width: cm	Metallics:	2%AS, 2%PY, ?TT, ?EN	37	<0.2	9	43
						Host : Siltstone and Andesite?	Secondaries:	sJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
									1	14	3	64
Sampled By: AS 20-Jul-04	Vuggy silica zone with coated vugs of sulphide and quartz. Fallen off outcrop 5m up cliff. Zone approx 30m wide with distal quartz, barite, pyrite, arseno veins.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCB	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276628 Sutlahine	UTM 6513207 Elevation 1331	N m	UTM 604182 Sample Width: 5	E m	Strike Length Exp:	100 m	Metallics:	2%PY	<5	<0.2	<2	128
						True Width: 100 m	Secondaries:	mGE	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
						Host : Granodiorite			<1	4	<2	73
Sampled By: SH 22-Jul-04	U/Pb sample 04AS23; labelled 276627 in field.											

Rock Sample Descriptions

Project Name: Sutlahine

Project: RFM04-21

NTS: 104K/064, 065, 066, 074, 075, 076

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCb, mCY	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276629 Sutlahine	UTM 6512522 Elevation	N m	UTM 604055 Sample Width:	E cm	Strike Length Exp:	4 m	Metallics:	2%PY	<5	<0.2	55	42
					True Width:	50 cm	Secondaries:	wJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host :	Andesite			<1	2	<2	27
Sampled By: AS 22-Jul-04	Labelled 276628 in the field.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCl, wCY, wMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276630 Sutlahine	UTM 6499830 Elevation	N m	UTM 619010 Sample Width:	E m	Strike Length Exp:	4 m	Metallics:	5%PO, 1%PY, 5% other	<5	<0.2	2	5
					True Width:	cm	Secondaries:		Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host :	QZ Diorite to Hb-Bt-Fds Porphyry			1	5	3	45
Sampled By: AS 23-Jul-04	Also collected a U/Pb sample labelled AS24.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	mCY, wMS, mSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276631 Sutlahine	UTM 6506993 Elevation	N m	UTM 603441 Sample Width:	E cm	Strike Length Exp:		Metallics:	3%CP, 8%GA, 15%PY,	37	55.3	257	1050
					True Width:	cm	Secondaries:	sGE, wJA 20%SP	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host :				1	3.56 %	47	3.22 %
Sampled By: AS 22-Jul-04	Collected by BM during slit sampling.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCY, sSI	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276632 Sutlahine	UTM 6506993 Elevation	N m	UTM 603441 Sample Width:	E cm	Strike Length Exp:		Metallics:	1%PY, 10%SP	45	2.5	70	69
					True Width:	cm	Secondaries:	mJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host :				14	93	11	118
Sampled By: AS 22-Jul-04	Collected by BM during slit sampling. Open space filling textures.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	mMS	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)
276633 Sutlahine	UTM 6506993 Elevation	N m	UTM 603441 Sample Width:	E cm	Strike Length Exp:		Metallics:	3-4% PY, AS?	<5	0.4	16	79
					True Width:	cm	Secondaries:	mHE, mGE, mJA	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
					Host :	Cobble conglomerate			1	114	<2	122
Sampled By: AS 22-Jul-04	Sulphide in matrix of conglomerate. Collected by BM.											

Appendix D.1: Certificates Of Analysis

(Rock Samples)



CERTIFICATE VA04043982

Project: SUTL
P.O. No.: RFM04-21

This report is for 18 Rock samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK
RIMFIRE MINERALS CORP

MURRAY JONES

SAMPLE PREPARATION

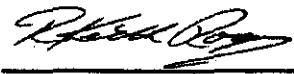
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Recd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Ag-GRA22	Ag 50g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: SUTL

CERTIFICATE OF ANALYSIS VA04043982

Sample Description	Method Analyte Units LOR	WEI-21	As-AA23	ME-ICP41												
		Revd Wt.	As	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
M276501		1.36	0.123	>100	0.57	>10000	<10	20	<0.5	45	0.86	27.6	22	120	1165	10.85
M276502		1.68	0.984	26.5	0.35	>10000	<10	20	<0.5	5	2.15	226	7	100	181	7.47
M276503		1.34	1.635	5.2	0.27	>10000	<10	10	<0.5	4	1.47	<0.5	168	74	202	18.0
M276504		1.32	<0.005	2.1	0.26	495	<10	50	<0.5	8	0.37	<0.5	7	57	74	5.48
M276505		1.06	0.409	0.8	0.16	>10000	<10	30	<0.5	4	>25.0	31.9	17	21	105	4.96
M276506		1.64	1.660	31.8	0.01	>10000	<10	20	<0.5	54	0.08	272	32	138	2680	18.4
M276507		1.36	0.244	35.7	0.64	3230	<10	90	0.5	<2	12.45	17.7	13	25	348	4.85
M276508		1.66	0.482	50.3	0.12	5390	<10	20	<0.5	<2	20.0	>500	5	27	1140	9.60
M276509		1.34	0.008	2.0	0.29	588	<10	380	<0.5	5	13.60	6.8	3	29	64	4.45
M276510		1.62	0.108	2.1	0.35	9170	<10	40	<0.5	<2	14.45	11.0	17	30	254	3.64
M276511		0.68	3.69	56.4	0.11	>10000	<10	30	<0.5	61	0.05	<0.5	16	94	1925	12.95
M276601		1.40	1.290	>100	0.26	>10000	<10	50	<0.5	130	3.96	469	20	65	304	7.54
M276602		1.50	0.008	0.3	0.95	309	<10	80	<0.5	<2	1.23	0.7	6	73	7	2.60
M276603		1.80	<0.005	0.2	2.08	85	<10	80	<0.5	<2	1.04	<0.5	4	38	13	2.54
M276604		1.72	<0.005	<0.2	2.56	26	<10	50	<0.5	<2	2.18	<0.5	21	31	104	5.39
M276605		1.62	<0.006	0.2	2.02	20	10	60	<0.5	<2	1.22	<0.5	29	11	249	6.42
M276606		1.00	0.014	<0.2	1.82	8	10	130	<0.5	<2	1.74	<0.5	22	12	132	4.78
M276607		2.06	0.012	1.7	0.71	71	<10	130	<0.5	<2	3.39	<0.5	26	21	297	7.95



Project: SUTL

CERTIFICATE OF ANALYSIS VA04043982

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	O ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
M276501		<10	<1	0.13	<10	0.37	760	2	0.02	18	340	>10000	9.61	1870	3	35
M276502		<10	1	0.27	<10	0.40	1165	1	0.02	7	290	>10000	6.03	>10000	1	100
M276503		<10	1	0.19	<10	0.22	436	2	0.03	20	490	276	>10.0	188	1	104
M276504		<10	<1	0.24	<10	0.03	280	10	0.02	9	350	117	1.81	32	2	32
M276505		<10	<1	0.07	<10	0.27	4480	2	0.03	13	560	794	6.5	191	1	3390
M276506		<10	2	0.01	<10	0.01	136	2	0.01	17	<10	8140	>10.0	6900	<1	17
M276507		<10	<1	0.24	10	0.77	1190	51	0.03	39	910	768	3.97	289	7	372
M276508		<10	7	0.07	10	0.44	8800	3	0.03	8	210	7410	>10.0	421	1	859
M276509		<10	<1	0.19	10	2.56	8470	1	0.02	3	210	1910	0.28	1425	2	751
M276510		<10	<1	0.23	<10	1.08	1825	1	0.03	3	420	298	2.25	148	3	860
M276511		<10	<1	0.09	<10	0.01	21	3	0.01	6	520	519	5.84	387	2	9
M276601		<10	2	0.20	<10	0.14	1450	1	0.02	5	260	>10000	7.22	>10000	1	255
M276602		<10	<1	0.18	10	0.64	711	1	0.05	4	680	76	0.03	19	3	29
M276603		10	<1	0.10	10	0.62	462	1	0.16	<1	970	90	0.19	18	1	134
M276604		10	<1	0.02	<10	1.84	1310	<1	0.07	24	990	5	0.04	2	8	21
M276605		10	<1	0.04	<10	1.58	1025	<1	0.12	4	1140	9	0.38	2	11	35
M276606		10	<1	0.02	<10	1.10	924	<1	0.09	6	980	7	0.11	3	7	20
M276607		<10	1	0.09	<10	1.32	1920	1	0.08	12	950	13	1.02	5	21	202



Project: SUTL

CERTIFICATE OF ANALYSIS VA04043982

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46	Au-GRA22	Ag-GRA22
	Analyte	Tl	Tl	U	V	W	Zn	Pb	Zn	Au	Ag
	Units	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
Method	Units	LOR	0.01	10	10	1	10	0.01	0.01	0.05	5
M276501	<0.01	<10	<10	27	<10	1870	2.82			102	
M276502	<0.01	<10	<10	8	10	>10000	2.38	1.49			
M276503	<0.01	<10	<10	8	<10	61			1.51		
M276504	<0.01	<10	<10	13	<10	38					
M276505	<0.01	<10	<10	14	<10	2600					
M276506	<0.01	<10	<10	2	<10	>10000		1.77	1.92		
M276507	<0.01	<10	<10	95	<10	1845					
M276508	<0.01	<10	<10	19	10	>10000		6.54			
M276509	<0.01	<10	<10	9	<10	1130					
M276510	<0.01	<10	<10	9	<10	1000					
M276511	<0.01	<10	<10	10	<10	45			3.30		
M276601	<0.01	<10	<10	6	<10	>10000	5.88	3.32	1.06	158	
M276602	0.06	<10	<10	44	<10	86					
M276603	0.12	<10	<10	42	<10	72					
M276604	0.48	<10	<10	176	<10	89					
M276605	0.49	<10	<10	223	<10	116					
M276606	0.35	<10	<10	186	<10	99					
M276607	0.01	<10	<10	207	<10	73					



CERTIFICATE VA04044875

Project: Sutlahine
P.O. No.: REM04-21

This report is for 20 Rock samples submitted to our lab in Vancouver, BC, Canada on
16-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK
RIMFIRE MINERALS CORP

MURRAY JONES

SAMPLE PREPARATION

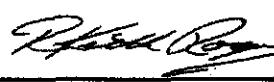
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Recd w/o BarCode
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04044875

Sample Description	Method Analyte Units LOR	WEI-21	As-AA23	ME-ICP41												
		Recd Wt.	As	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	%									
M276512		1.38	0.016	1.8	4.34	27	<10	80	0.8	<2	2.57	<0.5	22	73	237	5.97
M276513		1.18	<0.005	0.9	2.34	9	<10	160	0.5	<2	1.61	<0.5	12	38	28	3.62
M276514		1.22	0.028	0.5	2.39	173	<10	40	<0.5	5	0.67	<0.5	16	9	148	10.10
M276515		1.40	<0.005	0.4	2.29	81	<10	40	<0.5	<2	1.06	<0.5	3	13	6	2.62
M276516		1.14	<0.005	0.5	0.90	18	<10	160	<0.5	<2	24.2	1.0	6	2	7450	1.40
M276517		1.22	<0.005	<0.2	1.52	<2	<10	440	0.5	<2	3.50	<0.5	12	6	20	3.89
M276518		1.10	<0.005	0.2	0.23	2430	<10	200	<0.5	22	6.40	<0.5	7	20	>10000	1.22
M276519		1.06	<0.005	0.2	0.10	9	<10	110	<0.5	<2	>25.0	<0.5	2	2	1420	0.51
M276520		1.20	<0.005	0.7	0.46	20	10	1350	0.5	<2	24.1	0.9	6	1	2710	1.66
M276521		1.38	0.012	0.8	0.46	48	10	100	0.7	<2	6.32	1.3	26	9	1015	3.75
M276522		1.44	<0.005	0.2	0.14	18	<10	1710	<0.5	<2	1.68	<0.5	2	51	112	0.51
M276608		1.24	0.026	0.4	2.11	24	10	310	0.8	<2	0.52	<0.5	13	30	90	4.69
M276609		3.04	<0.005	0.2	2.75	11	<10	530	0.5	<2	2.50	<0.5	13	8	27	4.71
M276610		1.16	<0.005	<0.2	1.54	13	<10	160	<0.5	<2	23.1	<0.5	3	3	6	2.62
M276611		1.28	<0.005	<0.2	7.45	3	<10	600	1.1	<2	5.23	0.5	18	3	8	1.16
M276612		2.96	0.013	<0.2	4.30	<2	<10	40	0.6	4	1.95	<0.5	15	10	9	8.87
M276613		4.24	<0.005	<0.2	6.19	<2	<10	120	0.8	<2	4.11	<0.5	1	5	6	3.32
M276614		1.02	<0.005	<0.2	0.27	11	<10	110	<0.5	<2	>25.0	0.5	3	3	64	0.88
M276615		1.66	<0.005	<0.2	3.47	20	<10	110	0.8	2	3.46	<0.5	15	13	32	5.33
M276616		1.88	<0.005	<0.2	1.51	38	<10	100	<0.5	2	0.13	<0.5	6	13	13	6.76



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04044875

Sample Description	Method Analyte Units LOR	ME-ICP41														
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	NI ppm	B ppm	Pb ppm	S %	Sb ppm	Sc ppm	Cr ppm
		10	1	0.01	10	0.01	8	1	0.01	10	2	20	10	2	1	1
M276512		20	<1	0.42	10	1.29	446	2	0.49	49	1060	19	3.82	<2	12	139
M276513		10	<1	0.10	10	1.50	875	<1	0.19	20	1060	9	0.56	<2	9	176
M276514		10	1	0.10	10	1.14	443	28	0.07	3	2460	14	6.03	2	5	42
M276515		10	<1	0.06	10	1.48	431	<1	0.18	1	820	15	0.94	<2	5	164
M276516		<10	<1	0.04	<10	0.87	2180	<1	0.02	4	370	20	<0.01	<2	2	354
M276517		<10	<1	0.15	10	1.16	854	<1	0.02	3	940	7	0.02	<2	7	180
M276518		<10	1	0.05	<10	0.32	1480	<1	0.01	4	90	5	0.04	2	1	288
M276519		<10	<1	0.05	<10	0.20	1640	<1	0.01	2	290	4	<0.01	<2	1	221
M276520		<10	<1	0.19	<10	0.33	1420	<1	0.01	7	730	6	<0.01	7	3	438
M276521		<10	1	0.20	10	1.67	2200	15	0.02	7	680	48	1.06	6	6	671
M276522		<10	<1	0.05	<10	0.06	271	2	0.01	3	4340	5	0.07	37	1	225
M276608		10	<1	0.19	30	0.66	307	2	0.01	42	3270	42	0.18	<2	6	43
M276609		10	<1	0.16	20	1.45	1085	1	0.03	11	890	13	0.15	<2	5	228
M276610		<10	<1	0.02	<10	1.86	1480	<1	0.01	2	160	14	<0.01	<2	1	3040
M276611		10	1	0.13	10	0.33	945	1	0.02	6	380	7	0.28	<2	2	415
M276612		20	1	0.08	10	2.44	1005	6	0.40	5	720	20	7.09	<2	6	364
M276613		10	<1	0.21	<10	0.52	115	5	0.02	<1	1060	19	0.50	<2	2	373
M276614		<10	<1	0.08	<10	0.27	1095	<1	0.01	4	400	2	<0.01	2	2	209
M276615		10	1	0.08	50	1.79	1190	2	0.23	12	3270	8	1.00	2	7	389
M276616		10	1	0.11	30	0.38	318	1	0.02	8	680	28	1.04	3	4	14



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04044875

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Cu-AA46
	Analyte	Ti	Ti	U	V	W	Zn	Cu
	Units	%	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.01	10	10	1	10	2	0.01
M276512		0.24	<10	10	115	<10	124	
M276513		0.17	<10	10	93	<10	104	
M276514		0.09	<10	<10	74	<10	29	
M276515		0.12	<10	<10	84	<10	42	
M276516		0.01	<10	10	41	<10	37	
M276517		0.02	<10	<10	78	<10	69	
M276518		△ 0.01	<10	60	61	10	21	3.87
M276519		△ 0.01	<10	10	14	<10	15	
M276520		△ 0.01	<10	10	23	<10	31	
M276521		△ 0.01	<10	10	27	<10	267	
M276522		△ 0.01	<10	10	33	<10	21	
M276608		△ 0.01	<10	<10	44	<10	70	
M276609		△ 0.01	<10	<10	67	<10	99	
M276610		△ 0.01	<10	10	14	<10	52	
M276611		0.06	<10	10	23	<10	80	
M276612		0.09	<10	10	66	<10	89	
M276613		0.15	<10	10	26	<10	22	
M276614		△ 0.01	<10	10	25	<10	38	
M276615		0.40	<10	<10	130	<10	98	
M276616		△ 0.01	<10	<10	88	<10	74	



CERTIFICATE VA04047616

Project: Sutahine
P.O. No.: RFM04-21

This report is for 21 Rock samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK

MURRAY JONES

SAMPLE PREPARATION

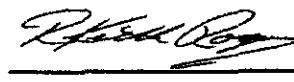
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS

To: EQUITY ENGINEERING LTD.
ATTN: DOROTHY M
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 

Sample Description	Analyte Units	Elemental Wt.		Au		As		Al		As		B		Ba		Be		Bi		Ca		Cd		Co		Cr		Cu	
		ppm	LOR	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
M276523		1.36		4.65		4.22		5.5		0.27	>10000	<10		10		<0.5	<2		0.08		0.6		4		112		45		
M276524		1.46		2.28		2.13		2.5		0.17	>10000	<10		60		<0.5	<2		0.03		0.5		1		164		20		
M276525		1.26		1.275		1.26		2.6		0.28	>10000	<10		80		<0.5	<2		0.05		0.9		5		138		38		
M276526		1.18		1.550		1.51		3.7		0.51	>10000	<10		50		<0.5	<2		0.08	<0.5	5		93		31				
M276527		1.18		1.365		1.31		2.4		0.34	>10000	<10		70		<0.5	<2		0.10	<0.5	3		88		24				
M276528		1.30		>10.0		13.35		>100		0.19	8630	<10		20		<0.5	<2		0.05		12.4		4		156		152		
M276529		1.18		0.885				>100		0.38	1360	<10		90		<0.5	<2		0.07		441		10		108		1456		
M276530		1.34		0.985				4.6		1.75	>10000	<10		90		<0.5	<2		0.10		1.3		8		90		53		
M276531		1.04		0.422				5.7		0.65	4180	<10		50		<0.5	<2		0.03		1.0		11		102		28		
M276532		1.58		0.540				>100		0.18	7390	<10		30		<0.5	<2		0.02		71.1		2		184		407		
M276533		1.36		0.305				2.8		1.07	>10000	<10		10		<0.5	<2		0.17	<0.5	11		108		24				
M276534		1.42		0.300				3.0		2.43	>10000	<10		40		<0.5	<2		0.30		0.5		18		53		39		
M276535		1.52		<0.005				0.5		1.57	66	<10		40		<0.5	<2		1.84	<0.5	9		52		9				
M276617		3.14		0.009				1.1		1.34	119	<10		40		<0.5	<2		0.13	<0.5	6		92		31				
M276618		1.46		0.179				1.5		1.39	1390	<10		70		<0.5	<2		0.11	<0.5	4		75		42				
M276619		3.24		2.65		2.53		>100		0.39	>10000	<10		20		<0.5	<2		0.08		18.9		4		110		444		
M276620		2.34		0.103				1.5		1.25	2650	<10		50		<0.5	<2		0.11	<0.5	3		84		19				
M276621		1.40		0.234				4.3		1.12	1695	<10		40		<0.5	<2		0.10	<0.5	8		96		32				
M276622		1.94		0.262				0.4		1.92	3950	<10		70		<0.5	<2		0.15	<0.5	7		29		6				
M276623		0.84		<0.005				0.4		1.52	18	<10		140		<0.5	<2		1.72	<0.5	9		27		4				
M276624		1.84		2.58		2.85		0.6		0.46	>10000	<10		80		<0.5	<2		0.23	<0.5	5		63		7				



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047616

Sample Description	Method Analyte Units LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Tl %	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Ag-AA46 Ag ppm 1	Pb-AA46 Pb %	Zn-AA46 Zn %
M276523		2	<0.01	<10	<10	5	<10	162			
M276524		5	<0.01	<10	<10	7	<10	63			
M276525		5	<0.01	<10	<10	9	<10	120			
M276526		6	<0.01	<10	<10	14	<10	23			
M276527		8	<0.01	<10	<10	14	<10	45			
M276528		8	<0.01	<10	<10	6	<10	3400	324		
M276529		6	<0.01	<10	<10	8	30	>10000	1255	1.09	5.07
M276530		7	<0.01	<10	<10	33	<10	192			
M276531		52	<0.01	<10	<10	35	<10	130			
M276532		9	<0.01	<10	<10	3	<10	9030	1225		
M276533		39	<0.01	<10	<10	76	<10	76			
M276534		44	<0.01	<10	<10	176	<10	170			
M276535		49	0.02	<10	<10	68	<10	43			
M276617		10	0.01	<10	<10	64	<10	63			
M276618		12	0.01	<10	<10	86	<10	41			
M276619		19	<0.01	<10	<10	11	<10	5590	498		
M276620		8	<0.01	<10	<10	58	<10	36			
M276621		8	<0.01	<10	<10	78	<10	48			
M276622		8	<0.01	<10	<10	36	<10	54			
M276623		65	0.01	<10	<10	53	<10	61			
M276624		29	<0.01	<10	<10	17	<10	31			



CERTIFICATE VA04050614

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 18 Rock samples submitted to our lab in Vancouver, BC, Canada on
3-AUG-2004.

The following have access to data associated with this certificate:

HENRY AWMACK

MURRAY JONES

DOROTHY M

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS

To: **EQUITY ENGINEERING LTD.**
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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:



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050614

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt.	Au-AA23 As	ME-ICP41 As	ME-ICP41 Al	ME-ICP41 As	ME-ICP41 B	ME-ICP41 Ba	ME-ICP41 Be	ME-ICP41 Bi	ME-ICP41 Ca	ME-ICP41 Cd	ME-ICP41 Co	ME-ICP41 Cr	ME-ICP41 Cu	ME-ICP41 ppm	ME-ICP41 %	ME-ICP41 Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	
M276536		1.38	>10.0	2.2	1.35	29	<10	<10	0.6	367	1.78	<0.5	29	19	473	9.34		
M276537		1.38	0.029	0.3	5.05	4	<10	60	0.6	<2	3.58	<0.5	43	18	243	7.36		
M276538		1.36	0.122	0.8	4.48	2	20	<10	0.8	4	5.48	8.1	43	44	390	10.75		
M276539		0.98	0.018	<0.2	7.53	483	<10	60	1.3	3	3.79	<0.5	66	55	269	10.50		
M276540		1.18	0.008	<0.2	5.78	5	10	<10	1.4	<2	7.23	<0.5	14	10	65	3.39		
M276541		1.58	<0.005	1.4	1.40	408	<10	<10	<0.5	16	1.28	<0.5	1	<1	1560	30.6		
M276542		1.64	<0.005	2.1	0.53	29	<10	<10	<0.5	5	2.02	>500	4	8	574	19.6		
M276543		1.68	0.010	1.4	0.52	3480	<10	<10	<0.5	7	1.49	108.0	10	7	958	29.8		
M276544		1.64	<0.005	1.2	2.23	172	<10	10	<0.5	7	1.60	1.8	1	2	1230	26.6		
M276625		1.00	<0.005	<0.2	7.00	34	<10	140	1.1	<2	2.45	<0.5	20	138	95	6.21		
M276626		1.74	<0.005	<0.2	6.67	21	<10	120	1.2	2	2.82	<0.5	21	62	106	5.94		
M276627		2.32	0.037	<0.2	4.39	9	<10	10	1.5	4	4.35	<0.5	3	80	43	4.34		
M276628		3.52	<0.005	<0.2	2.81	<2	<10	720	<0.5	2	4.33	<0.5	26	4	128	7.31		
M276629		3.64	<0.005	<0.2	0.46	55	<10	1180	<0.5	<2	23.6	<0.5	3	4	42	2.58		
M276630		1.68	<0.005	<0.2	2.52	2	<10	40	<0.5	<2	1.78	<0.5	7	23	5	2.99		
M276631		1.92	0.037	55.3	0.57	257	<10	20	<0.5	4	0.18	220	34	21	1050	10.15		
M276632		1.44	0.045	2.5	0.06	70	<10	200	<0.5	2	0.69	0.9	1	11	69	0.60		
M276633		0.86	<0.005	0.4	1.73	16	<10	30	<0.5	<2	1.15	<0.5	19	46	79	4.22		



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050614

Sample Description	Method Analyte Units LOR	ME-ICP41														
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
M276536		10	<1	0.02	10	0.36	819	<1	0.02	107	2090	19	6.36	2	3	12
M276537		10	1	0.23	10	0.43	385	2	0.26	74	1680	24	4.41	<2	3	188
M276538		10	<1	0.01	10	0.84	906	1	0.01	36	4900	134	6.43	2	11	14
M276539		20	2	0.73	10	1.79	632	<1	0.71	48	1540	14	5.24	4	16	297
M276540		20	1	0.01	10	0.39	265	2	0.01	10	1100	21	0.81	<2	3	24
M276541		<10	<1	0.02	<10	0.08	784	5	0.03	94	720	15	>10.0	<2	1	40
M276542		<10	3	<0.01	<10	0.02	1415	3	<0.01	46	620	21	>10.0	<2	1	2
M276543		<10	<1	<0.01	<10	0.02	777	8	<0.01	77	590	21	>10.0	4	1	1
M276544		<10	<1	0.05	<10	0.29	2070	20	0.05	91	660	20	8.95	<2	3	46
M276625		20	<1	2.39	10	2.85	711	1	0.74	62	1270	8	1.52	4	25	327
M276626		20	2	1.36	10	2.02	443	2	0.82	37	1300	9	2.19	2	19	354
M276627		20	<1	0.04	<10	1.64	489	1	0.01	10	3650	14	0.52	3	40	16
M276628		10	<1	0.09	<10	2.27	1345	<1	0.05	16	840	4	0.03	<2	17	112
M276629		<10	<1	0.07	<10	1.90	1245	<1	0.01	1	210	2	<0.01	<2	4	1650
M276630		10	<1	0.07	10	1.56	382	1	0.16	14	1410	5	0.10	3	3	114
M276631		<10	1	0.04	<10	0.28	755	1	<0.01	6	210	>10000	9.84	47	<1	7
M276632		<10	<1	0.02	<10	0.10	700	14	<0.01	1	30	93	0.11	11	<1	22
M276633		10	<1	0.06	10	1.49	724	1	0.05	20	1250	114	0.93	<2	6	52



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050614

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46	Au-GRA22
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Pb %	Zn %	Au ppm
		0.01	10	10	1	10	2	0.01	0.01	0.05
M276536		0.08	<10	<10	32	20	38			10.70
M276537		0.12	<10	<10	32	<10	66			
M276538		0.11	<10	<10	90	<10	1370			
M276539		0.26	<10	<10	131	<10	94			
M276540		0.21	<10	<10	72	<10	82			
M276541		0.04	<10	<10	17	<10	36			
M276542		0.02	<10	<10	13	10	>10000		10.00	
M276543		0.02	<10	<10	17	30	>10000		1.33	
M276544		0.05	<10	<10	32	<10	477			
M276625		0.42	<10	<10	193	<10	176			
M276626		0.35	<10	10	153	<10	81			
M276627		0.12	<10	<10	177	<10	64			
M276628		0.01	<10	<10	272	<10	73			
M276629		<0.01	<10	<10	28	<10	27			
M276630		0.29	<10	<10	111	<10	45			
M276631		<0.01	<10	<10	13	10	>10000	3.56	3.22	
M276632		<0.01	<10	<10	5	<10	118			
M276633		0.21	<10	<10	117	<10	122			



CERTIFICATE VA04065091

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 1 Rock sample submitted to our lab in Vancouver, BC, Canada on
23-SEP-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL

HENRY AWMACK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Recd w/o BarCode
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
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY ENGINEERING LTD.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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:



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04065091

Sample Description	Method Analyte Units LOR	WB-21 Recd Wt. kg	As-AA23 As ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 ppm	ME-ICP41 %	ME-ICP41 ppm
276536		0.08	NSS	2.0	1.62	10	<10	10	0.7	630	2.21	<0.5	28	40	591	8.47			

Comments: NSS is non-sufficient sample.



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brookbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

Page: 1
Total # Pages: 2 (A - C)
Finalized Date: 28-SEP-2004
Account: EIA

Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04065091

Sample Description	Method	ME-ICP41														
	Analyte	Ga	Na	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
276536		10	<1	0.04	40	0.42	951	1	0.08	102	2260	22	6.39	2	3	23

Comments: NSS is non-sufficient sample.



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brookbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

Project: EQ~~0000~~ ENGRIN~~0000~~.D.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

Total # Pages: 2 (A - C)
Finalized Date: 28-SEP-2004
Account: EIA

Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04065091

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
276536		0.01	10	10	1	10	2
		0.17	<10	<10	44	<10	40

Comments: NSS is non-sufficient sample.



CERTIFICATE VA04074181

Project: Sultahine
P.O. No.: RFM04-21

This report is for 8 Rock samples submitted to our lab in Vancouver, BC, Canada on 25-OCT-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
RIMFIRE MINERALS CORP

HENRY AWMACK

DARCY BAKER

SAMPLE PREPARATION

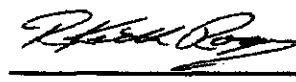
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA22	Au 50 g FA-GRAV finish	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS

To: EQUITY ENGINEERING LTD.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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Signature: 



Project: Sultahine

CERTIFICATE OF ANALYSIS VA04074181

Sample Description	Method	WEI-21	Au-AA26	ME-ICP41													
	Analyst	Revd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	
276709		0.92	0.30	2.1	0.37	1790	<10	30	<0.5	<2	0.05	<0.5	2	61	51	3.10	
276710		0.82	1.15	4.7	0.57	5620	<10	30	<0.5	<2	0.05	10.9	3	44	83	5.16	
276711		0.60	0.86	2.7	0.19	5640	<10	70	<0.5	<2	0.04	<0.5	4	86	55	3.38	
278021		1.38	0.47	2.5	0.24	4890	<10	120	<0.5	<2	0.02	<0.5	2	51	10	2.23	
626641		0.40	3.44	3.7	0.69	1145	<10	10	<0.5	<2	0.10	<0.5	1	90	7	4.29	
626642		0.48	1.09	49.0	1.40	>10000	<10	20	<0.5	41	0.04	59.7	7	35	137	7.98	
626643		1.00	0.27	19.7	1.44	4250	<10	10	<0.5	13	0.04	97.7	8	82	498	5.58	
626646		0.82	0.02	0.4	1.76	203	<10	<10	<0.5	36	3.40	39.0	17	27	208	8.55	



Project: Sultahine

CERTIFICATE OF ANALYSIS VA04074181

Sample Description	Method Analyte Units LOR	ME-ICP41														
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
278709		<10	<1	0.13	10	0.08	190	1	0.02	5	670	22	0.73	16	1	5
278710		<10	<1	0.09	10	0.28	208	3	0.02	7	400	589	3.31	34	1	3
278711		<10	<1	0.12	<10	0.03	29	1	0.02	6	480	24	1.87	35	1	4
278021		<10	<1	0.15	10	0.03	72	1	0.02	4	470	21	0.60	39	1	4
626641		<10	<1	0.03	10	0.52	643	3	0.01	9	180	48	0.09	6	1	24
626642		10	1	0.04	10	1.09	1330	182	<0.01	3	180	>10000	2.97	75	1	6
626643		<10	1	0.05	<10	1.04	1330	644	<0.01	5	220	1840	2.58	48	1	2
626646		<10	1	<0.01	<10	0.92	1940	13	0.01	18	900	81	2.62	<2	2	116



Project: Sultahine

CERTIFICATE OF ANALYSIS VA04074181

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46	Au-GRA22
		Tl	Tl	U	V	W	Zn	Pb	Zn	Au
		%	ppm	ppm	ppm	ppm	ppm	%	%	ppm
276709		<0.01	<10	<10	14	<10	36			
276710		<0.01	<10	<10	24	<10	1450		1.18	
276711		<0.01	<10	<10	9	<10	10			
278021		<0.01	<10	<10	8	<10	9			
626641		<0.01	<10	<10	26	<10	92		3.96	
626642		<0.01	<10	<10	32	<10	6690	2.04	1.10	
626643		<0.01	<10	<10	43	<10	>10000		1.18	
626646		0.11	<10	<10	56	<10	4330			



CERTIFICATE VA04048478

Project: Sutlahine

P.O. No.:

This report is for 1 Rock sample submitted to our lab in Vancouver, BC, Canada on 3-AUG-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL

HENRY AWMACK

MURRAY JONES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
BAG-01	Bulk Master for Storage
PUL-32	Pulverize 1000g to 85% < 75 um
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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Signature:



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brookbank Avenue
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Phone: 604 984 0221 Fax: 604 984 0218

Lab: ECR Engineering Ltd.
700-700 W PENDER ST
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Total # Pages: 2 (A)
Finalized Date: 18-AUG-2004
Account: EIA

Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04048478

Sample Description	Method	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-AA25	Au-AA25D
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au
	Units	ppm	ppm	ppm	mg	#	#	ppm	ppm
M276528		11.90	461	10.80	1.161	2.52	1005.5	10.50	11.05



CERTIFICATE VA04051009

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 1 Rock sample submitted to our lab in Vancouver, BC, Canada on 18-AUG-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK

MURRAY JONES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-32	Pulverize 1000g to 85% < 75 um
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR21	Au Screen Fire Assay - 100 um	WST-SIM
Au-AA25	Ore Grade Au 30g FA AA finish	AAS
Au-AA25D	Ore Grade Au 30g FA AA Dup	AAS

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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Signature:



ALS Chemex
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212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EQUITY ENGINEERING LTD.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

Page: 2 A
Total # Pages: 2 (A)
Finalized Date: 25-AUG-2004
Account: EIA

Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04051009

Sample Description	Method	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-SCR21	Au-AA25	Au-AA25D
	Analyte	Au Total	Au (+) F	Au (-) F	Au (+) m	WT. + Fr	WT. - Fr	Au	Au
	Units	ppm	ppm	ppm	mg	g	g	ppm	ppm
M276536		11.10	12.70	11.05	0.390	30.75	1092.5	10.90	11.20

Appendix D.2: Certificates Of Analysis

(Silt Samples)



CERTIFICATE VA04043983

Project: SUTL
P.O. No.: RFM04-21

This report is for 14 Stream Sediment samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK
RIMFIRE MINERALS CORP

MURRAY JONES

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY ENGINEERING LTD.
ATTN: RIMFIRE MINERALS CORP
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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Signature:



Project: SUTL

CERTIFICATE OF ANALYSIS VA04043983

Sample Description	Method Analyte Units LOR	WEI-21	Ah-AA23	ME-ICP41												
		Revd Wt.	Au	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	DPM	ppm	ppm	DPM	%	ppm	ppm	ppm	ppm	%
M271651		0.38	0.128	0.5	1.22	213	<10	140	0.5	<2	0.77	<0.5	12	29	59	4.63
M271652		0.24	0.013	0.7	1.83	503	<10	160	0.5	2	1.16	2.0	16	34	116	3.95
M271653		0.38	0.007	0.3	1.75	139	<10	170	0.5	<2	1.04	0.6	16	25	88	3.96
M271654		0.38	0.005	0.3	1.23	206	<10	150	<0.5	<2	0.82	0.5	11	20	52	3.76
M271655		0.46	0.021	0.8	1.03	593	<10	290	0.5	2	0.63	1.2	15	21	88	4.34
M271656		0.30	<0.005	<0.2	1.84	121	<10	150	0.6	<2	1.01	1.2	11	27	54	3.42
M271657		0.34	0.013	0.9	1.36	163	<10	180	<0.5	<2	1.02	1.2	10	18	55	3.43
M271658		0.24	0.107	2.4	1.74	3220	<10	200	0.7	6	1.15	2.0	30	31	314	6.85
M279551		0.22	0.013	0.6	1.42	132	<10	140	<0.5	<2	1.11	1.0	11	22	52	3.59
M279552		0.20	<0.005	0.3	1.83	80	10	140	<0.5	<2	1.36	<0.5	10	22	54	3.22
M279553		0.14	0.010	0.9	1.49	146	10	180	0.5	<2	1.40	1.5	12	22	64	3.67
M279554		0.16	0.009	1.2	2.01	175	10	190	0.5	2	2.13	1.6	9	17	82	3.10
M279601		0.28	<0.005	0.7	2.51	215	10	170	0.6	<2	1.98	2.2	8	15	90	2.56
M279602		0.34	0.007	<0.2	1.82	180	10	170	0.5	2	1.42	1.1	12	18	75	3.54



ALS Canada Ltd.

212 Brooksbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

Project: SUTL

CERTIFICATE OF ANALYSIS VA04043983

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	O	Pb	S	Sb	Sc	Sr	
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	1
M271651		<10	0.03	0.07	10	0.70	668	2	0.03	13	1620	68	0.09	7	4	51	
M271652		<10	0.06	0.15	10	1.06	925	2	0.03	22	1180	70	0.07	13	5	56	
M271653		10	0.11	0.09	10	0.75	1065	2	0.01	25	1090	25	0.06	6	8	59	
M271654		<10	0.03	0.07	10	0.75	738	1	0.03	13	1360	42	0.19	6	4	49	
M271655		<10	0.08	0.07	10	0.61	987	1	0.02	22	1110	91	0.19	19	6	48	
M271656		10	0.09	0.09	10	0.75	573	1	0.02	23	1030	13	0.05	3	6	67	
M271657		<10	0.10	0.06	10	0.53	811	3	0.02	21	1080	59	0.15	14	5	75	
M271658		10	0.16	0.10	10	0.86	1290	2	0.04	28	1480	215	0.12	37	9	84	
M279551		<10	0.12	0.07	10	0.61	764	2	0.02	24	1100	50	0.06	14	6	72	
M279552		<10	0.12	0.06	10	0.50	659	1	0.01	15	1150	13	0.09	5	3	113	
M279553		<10	0.15	0.07	10	0.59	1045	3	0.02	26	1190	58	0.09	17	5	88	
M279554		10	0.27	0.06	20	0.48	906	1	0.02	14	1450	58	0.15	16	4	170	
M279601		<10	0.27	0.05	20	0.35	1170	1	0.01	11	1800	83	0.19	5	2	170	
M279602		<10	0.15	0.06	10	0.53	1090	1	0.02	16	1220	35	0.11	6	5	110	



Project: SUTL

CERTIFICATE OF ANALYSIS VA04043983

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
M271651	LOR	0.01	10	10	1	10	2
M271652		0.08	<10	<10	146	<10	112
M271653		0.06	<10	<10	84	<10	250
M271654		0.05	<10	<10	83	<10	112
M271655		0.08	<10	<10	91	<10	99
M271656		0.04	<10	<10	66	<10	162
M271657		0.05	<10	<10	75	<10	152
M271658		0.04	<10	<10	64	<10	168
M279551		0.01	<10	<10	100	<10	296
M279552		0.04	<10	<10	70	<10	176
M279553		0.04	<10	<10	70	<10	82
M279554		0.04	<10	<10	68	<10	193
M279601		0.03	<10	<10	61	<10	168
M279602		0.01	<10	<10	50	<10	249
		0.04	<10	<10	75	<10	174



CERTIFICATE VA04045072

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 12 Soil samples submitted to our lab in Vancouver, BC, Canada on 16-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK
RIMFIRE MINERALS CORP

MURRAY JONES

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY ENGINEERING LTD.**
ATTN: RIMFIRE MINERALS CORP
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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:



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045072

Sample Description	Method Analyte Units LOR	WES-21	As-AA23	ME-ICP41													
		Revd WL	As	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe		
		kg	ppm	ppm	%	ppm	%										
M271669		0.32	0.020	0.3	3.03	38	<10	210	0.9	2	0.76	0.9	34	34	89	5.46	
M271660		0.28	0.009	0.4	2.90	21	<10	230	0.9	2	0.44	<0.5	10	38	65	3.89	
M271661		0.34	0.007	0.2	2.31	23	<10	180	0.7	<2	0.44	<0.5	15	39	71	4.28	
M271662		0.34	0.006	0.2	2.52	24	<10	150	0.7	<2	0.18	<0.5	13	35	48	3.86	
M271663		0.42	<0.005	<0.2	0.93	13	<10	330	0.8	<2	0.62	<0.5	11	10	52	4.21	
M271664		0.40	0.028	<0.2	0.83	23	<10	400	1.0	2	0.73	<0.5	13	7	107	3.53	
M279555		0.20	<0.005	<0.2	1.92	17	<10	190	0.7	2	0.80	<0.5	10	21	28	3.51	
M279556		0.20	<0.005	<0.2	1.38	39	<10	220	0.7	<2	0.91	0.5	13	13	45	3.74	
M279557		0.24	<0.005	<0.2	1.44	41	<10	200	0.7	<2	1.02	0.6	13	15	45	3.72	
M279603		0.46	0.007	0.4	2.06	22	<10	160	1.0	<2	0.87	<0.5	19	27	73	4.34	
M279604		0.48	0.008	<0.2	1.94	24	<10	270	0.9	3	0.80	0.5	12	19	56	4.16	
M279605		0.38	0.010	0.3	2.04	15	<10	120	0.9	<2	0.59	<0.5	19	32	98	4.80	



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045072

Sample Description	Method	ME-ICP41	Hg-CV41	ME-ICP41													
	Analyte	Ga	Hg	K	La	Mn	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
LOR		10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	
M271659		10	0.04	0.18	20	0.95	1185	9	0.02	36	1270	27	0.14	2	7	114	
M271660		10	2.02	0.07	20	0.65	420	5	0.01	30	780	10	0.01	3	5	45	
M271661		10	4.12	0.08	10	0.80	629	8	0.01	37	840	16	<0.01	4	8	60	
M271662		10	0.38	0.07	10	0.75	632	1	0.01	29	850	12	0.01	3	2	30	
M271663		<10	0.07	0.10	10	0.33	913	<1	0.01	9	1480	16	<0.01	5	5	98	
M271664		<10	0.21	0.12	10	0.26	1310	<1	0.01	10	1890	22	<0.01	5	7	68	
M279555		10	0.07	0.08	20	0.81	624	4	0.01	28	1300	23	0.05	2	6	100	
M279556		<10	0.09	0.08	20	0.53	985	4	0.01	37	2130	25	0.06	2	7	86	
M279557		<10	0.10	0.08	20	0.58	1030	4	0.01	39	2180	30	0.07	2	7	97	
M279603		10	0.16	0.11	20	1.17	929	6	0.01	31	1280	33	0.03	2	6	62	
M279604		10	0.23	0.10	30	0.93	798	3	0.01	26	1220	37	0.02	<2	6	78	
M279605		10	0.09	0.10	20	1.34	839	3	0.01	37	1280	23	0.05	4	7	47	



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045072

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
M271859		0.08	<10	<10	99	<10	144
M271860		0.03	<10	<10	88	<10	81
M271861		0.03	<10	<10	100	<10	98
M271862		0.02	<10	<10	78	<10	82
M271863		0.02	<10	<10	89	<10	50
M271864		0.01	<10	<10	81	<10	78
M279555		<0.01	<10	<10	52	<10	114
M279556		<0.01	<10	<10	51	<10	124
M279557		<0.01	<10	<10	54	<10	124
M279603		0.01	<10	<10	56	<10	136
M279604		0.01	<10	<10	53	<10	135
M279605		0.01	<10	<10	56	<10	134



CERTIFICATE VA04047617

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 17 Stream Sediment samples submitted to our lab in Vancouver, BC, Canada on 24-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK

MURRAY JONES

SAMPLE PREPARATION

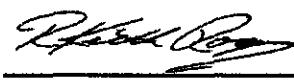
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047617

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41												
	Analyte	Revd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
M271665		0.28	0.008	0.4	2.55	162	<10	150	0.9	<2	0.86	0.7	18	66	62	4.71
M271666		0.34	<0.005	0.2	0.94	96	<10	380	0.7	<2	1.31	<0.5	10	9	36	2.25
M279558		0.10	NSS	0.2	1.56	308	<10	100	0.6	<2	1.50	0.6	11	22	34	3.36
M279559		0.12	<0.005	0.4	1.86	610	<10	70	0.7	<2	1.05	<0.5	11	30	55	3.41
M279560		0.22	0.028	0.6	2.81	443	<10	90	0.9	<2	0.87	<0.5	20	54	89	4.79
M279561		0.30	0.097	2.6	2.55	531	<10	110	1.0	<2	0.74	0.6	24	48	107	5.36
M279562		0.42	0.018	<0.2	1.98	271	<10	110	0.7	<2	0.54	<0.5	19	37	75	4.28
M279563		0.36	0.011	0.3	2.01	175	<10	120	0.7	<2	0.62	<0.5	16	31	87	4.15
M279606		0.40	0.030	0.8	2.11	209	<10	110	0.9	<2	0.61	2.2	23	40	106	5.01
M279607		0.28	<0.005	0.6	1.80	234	<10	110	0.5	<2	1.43	0.5	8	23	39	2.18
M279608		0.20	0.005	0.4	1.97	357	10	100	0.7	<2	1.38	<0.5	14	34	77	3.86
M279609		0.60	0.087	0.5	2.45	641	<10	70	0.9	<2	0.58	0.8	32	65	130	5.81
M279610		0.36	0.077	0.3	1.58	85	<10	110	0.5	<2	0.57	<0.5	20	24	59	3.63
M279651		0.58	<0.005	<0.2	2.06	270	<10	150	0.6	<2	0.81	<0.5	17	30	52	4.24
M279652		0.32	0.005	0.2	2.10	273	<10	140	0.7	<2	0.66	<0.5	16	29	54	3.83
M279653		0.50	0.007	0.2	2.02	44	<10	130	0.8	<2	0.58	0.5	19	33	70	4.34
M279654		0.60	0.013	0.2	2.20	195	<10	140	1.1	<2	0.41	0.6	28	72	66	4.85

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047617

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
M271665		10	0.10	0.10	20	1.61	779	3	0.02	68	1430	50	0.06	3	.7	87	
M271666		<10	0.01	0.13	20	0.38	588	2	0.01	9	510	39	0.04	3	2	63	
M279558		10	0.13	0.07	10	0.52	1085	4	0.03	20	1630	17	0.22	4	3	118	
M279559		10	0.08	0.08	20	0.93	660	2	0.02	28	1310	19	0.11	8	4	79	
M279560		10	0.10	0.09	20	1.25	580	2	0.02	42	1370	20	0.07	5	7	120	
M279561		10	0.12	0.09	20	1.28	1440	2	0.02	42	1320	53	0.03	3	12	59	
M279562		10	0.08	0.11	20	1.23	812	2	0.02	39	1060	16	0.02	3	7	41	
M279563		10	0.08	0.12	20	1.20	824	3	0.02	37	1090	14	0.03	2	7	50	
M279606		10	0.07	0.11	20	1.44	1310	4	0.02	49	1290	73	0.14	6	7	49	
M279607		10	0.16	0.06	10	0.51	521	2	0.02	19	1520	10	0.13	2	1	110	
M279608		10	0.18	0.09	20	0.93	829	1	0.03	30	1280	14	0.12	3	7	118	
M279609		10	0.10	0.10	20	1.84	1145	2	0.02	61	1240	20	0.03	9	9	39	
M279610		<10	0.07	0.09	10	0.85	1090	1	0.02	27	920	13	0.03	2	7	48	
M279651		10	0.10	0.08	10	0.96	800	1	0.03	25	1060	13	0.05	2	9	65	
M279652		10	0.11	0.08	10	0.82	951	1	0.03	26	1100	12	0.08	2	6	68	
M279653		10	0.07	0.14	20	1.23	821	3	0.02	48	1200	18	0.03	3	7	48	
M279654		10	0.06	0.12	20	1.74	1120	4	0.01	104	1080	29	0.01	4	7	31	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	Tl	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
M271665		0.01	10	10	82	<10	172
M271666		0.01	<10	<10	23	<10	66
M279558		0.02	<10	10	55	<10	60
M279559		0.02	<10	<10	65	<10	109
M279560		0.03	<10	<10	104	<10	124
M279561		0.05	<10	<10	116	<10	176
M279562		0.04	<10	<10	88	<10	120
M279563		0.04	<10	<10	81	<10	114
M279608		0.02	<10	<10	91	<10	326
M279607		0.01	<10	<10	59	<10	80
M279608		0.04	<10	<10	81	<10	104
M279609		0.04	<10	<10	108	<10	150
M279610		0.05	<10	<10	86	<10	82
M279651		0.05	<10	<10	88	<10	108
M279652		0.04	<10	<10	84	<10	100
M279653		0.04	<10	<10	67	<10	137
M279654		0.01	<10	<10	70	<10	182

Comments: NSS is non-sufficient sample.



CERTIFICATE VA04050615

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 47 Stream Sediment samples submitted to our lab in Vancouver, BC, Canada on 3-AUG-2004.

The following have access to data associated with this certificate:

HENRY AWMACK

MURRAY JONES

DOROTHY M

SAMPLE PREPARATION

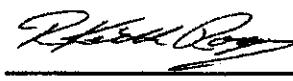
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050615

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41												
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
271667		0.42	0.006	0.3	2.53	95	<10	80	1.1	<2	4.85	<0.5	28	45	72	4.73
271668		0.26	0.009	1.2	1.90	237	<10	590	0.8	<2	1.30	<0.5	6	28	25	2.44
271669		0.30	0.015	1.8	2.55	392	<10	180	0.9	2	1.24	9.7	26	21	181	6.61
271670		0.32	<0.005	1.2	4.20	164	<10	120	1.9	<2	0.84	7.2	57	18	307	7.67
271671		0.28	<0.005	0.3	0.75	38	<10	130	<0.5	<2	1.68	1.5	18	9	82	4.41
271672		0.36	<0.005	0.2	0.70	97	<10	180	<0.5	<2	0.77	<0.5	20	7	112	5.72
271673		0.26	<0.005	2.1	1.62	1705	<10	280	0.5	<2	1.18	2.0	13	11	39	3.96
271674		0.26	0.005	0.2	1.35	55	<10	140	<0.5	<2	0.68	<0.5	15	15	84	4.45
271675		0.32	0.005	0.3	1.49	104	<10	160	<0.5	<2	1.01	<0.5	19	18	95	5.84
271676		0.44	0.005	0.4	1.00	128	<10	70	<0.5	<2	0.72	0.6	11	20	46	3.16
271677		0.36	<0.005	0.3	1.30	21	<10	210	<0.5	<2	1.04	0.5	10	14	46	3.37
271678		0.40	<0.005	<0.2	1.16	37	<10	230	0.5	<2	0.63	<0.5	14	29	53	3.93
271679		0.24	0.054	0.8	2.51	45	<10	170	0.8	<2	0.72	1.0	40	25	178	7.07
279564		0.38	0.124	1.0	3.05	259	<10	100	0.9	<2	0.53	1.7	33	27	165	6.05
279565		0.30	NSS	5.8	1.30	69	<10	140	1.6	<2	1.72	17.8	16	15	2390	2.28
279566		0.42	0.048	1.3	3.26	255	<10	120	1.6	2	0.73	6.1	44	27	248	5.98
279567		0.44	0.007	1.3	1.42	46	<10	280	1.0	<2	0.64	2.1	9	6	32	2.78
279568		0.36	<0.005	0.6	1.12	36	<10	140	0.9	<2	0.45	0.6	6	6	33	2.27
279569		0.30	0.005	<0.2	0.91	32	<10	160	<0.5	<2	0.35	<0.5	18	8	83	6.27
279570		0.56	0.007	0.2	1.08	33	<10	210	0.5	<2	0.57	<0.5	14	28	46	3.67
279571		0.44	<0.005	0.2	0.66	8	<10	180	<0.5	<2	1.22	0.5	3	6	26	2.92
279572		0.90	<0.005	<0.2	1.55	16	<10	160	0.6	<2	0.68	<0.5	12	19	35	2.52
279573		0.40	0.018	0.6	2.96	186	<10	100	1.1	3	2.03	4.6	24	67	558	4.59
279574		0.28	0.024	0.4	2.77	127	<10	100	1.0	2	1.84	4.0	19	58	354	3.94
279575		0.38	0.006	0.4	2.71	39	<10	150	0.6	<2	0.97	0.8	12	29	76	3.57
279611		0.80	0.007	0.4	1.52	46	<10	50	<0.5	<2	0.56	0.6	10	19	38	2.72
279612		0.36	0.006	0.5	1.65	1035	<10	130	0.6	2	1.56	4.1	17	35	141	3.70
279613		0.48	0.031	1.4	0.84	958	<10	280	0.6	3	0.49	1.8	21	20	122	5.02
279614		0.60	0.047	0.8	0.93	545	<10	130	<0.5	<2	1.56	1.9	16	12	85	4.41
279615		0.82	0.008	0.2	1.18	63	<10	90	0.5	<2	0.68	<0.5	11	20	50	3.38
279616		0.54	0.065	0.9	1.70	230	<10	100	0.6	<2	0.54	3.0	20	27	120	4.59
279617		0.64	0.010	0.4	0.98	140	<10	60	<0.5	<2	1.10	1.4	11	24	51	2.93
279618		0.64	0.029	0.6	1.02	179	<10	60	<0.5	<2	0.95	1.5	12	24	61	3.28
279619		0.64	0.048	2.3	1.09	186	<10	130	0.6	<2	1.14	0.9	25	18	109	4.95
279620		0.46	0.042	1.6	1.54	456	<10	140	0.6	2	0.63	3.1	19	20	168	4.93
279621		0.58	0.046	1.9	1.38	348	<10	140	0.6	<2	0.55	2.0	20	20	122	4.75
279622		0.52	<0.005	0.3	1.68	22	<10	180	0.7	<2	1.28	<0.5	13	30	78	3.66
279657		0.60	0.006	0.3	1.66	68	<10	100	0.8	<2	0.39	<0.5	18	21	77	3.71
279658		0.84	0.007	0.6	1.18	83	<10	220	0.9	<2	0.43	<0.5	11	11	58	3.02
279659		0.64	<0.005	0.3	1.31	78	<10	170	0.8	<2	0.38	0.5	13	13	60	3.20

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050615

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	Hg-CV41 Hg ppm 0.01	ME-ICP41 K %	ME-ICP41 La ppm 0.01	ME-ICP41 Mg %	ME-ICP41 Mn ppm 0.01	ME-ICP41 Mo ppm 5	ME-ICP41 Na %	ME-ICP41 Ni ppm 0.01	ME-ICP41 P ppm 1	ME-ICP41 Pb ppm 10	ME-ICP41 S %	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
271667		10	0.03	0.13	10	1.28	1325	3	0.01	105	1070	40	0.16	3	4	140
271668		10	0.08	0.10	40	0.38	444	2	0.01	14	1920	19	0.16	3	4	106
271669		10	0.09	0.08	10	0.78	1255	6	0.01	23	1360	251	0.14	3	4	120
271670		10	0.05	0.06	20	0.78	1030	13	0.02	35	1180	168	0.19	2	5	100
271671		<10	0.24	0.06	10	0.22	1575	10	<0.01	32	1400	9	0.14	3	10	152
271672		<10	0.11	0.06	<10	0.16	4270	6	<0.01	15	1380	8	0.12	3	11	96
271673		<10	0.12	0.07	10	0.31	5950	4	0.01	17	3050	31	0.16	5	6	136
271674		<10	0.14	0.07	10	0.57	1050	1	<0.01	14	1160	14	0.07	6	7	71
271675		<10	0.12	0.13	10	0.80	1205	1	0.02	13	1840	25	0.10	2	8	125
271676		10	0.03	0.08	10	0.68	550	1	0.03	15	1550	57	0.08	2	4	49
271677		<10	0.16	0.05	10	0.40	875	4	0.01	16	920	11	0.06	<2	5	165
271678		<10	0.25	0.06	10	0.56	891	3	<0.01	29	970	10	0.08	<2	7	99
271679		10	0.04	0.13	10	0.86	1265	16	0.02	32	1360	44	0.31	2	6	95
279564		10	0.05	0.06	20	1.02	1035	12	0.01	28	1160	218	0.15	3	5	47
279565		<10	0.35	0.06	40	0.43	763	3	<0.01	17	1260	1555	0.22	4	2	128
279566		10	0.06	0.06	20	0.83	1025	5	0.01	39	1190	237	0.11	3	4	64
279567		<10	0.30	0.09	20	0.12	1515	1	<0.01	6	1520	100	0.14	2	1	140
279568		<10	0.11	0.07	10	0.15	350	2	<0.01	7	1120	42	0.10	<2	4	66
279569		<10	0.05	0.07	10	0.29	1410	1	0.01	8	1470	9	0.28	<2	10	100
279570		<10	0.23	0.06	10	0.50	655	3	0.01	24	1010	10	0.04	<2	7	86
279571		<10	0.21	0.02	10	0.10	251	2	0.01	6	760	3	0.36	<2	3	154
279572		<10	0.10	0.07	10	0.57	198	1	0.01	17	1120	18	0.02	<2	4	99
279573		10	0.11	0.08	20	1.34	660	7	0.02	183	1170	35	0.07	3	7	182
279574		10	0.09	0.10	20	1.16	666	5	0.02	158	1270	25	0.08	<2	6	156
279575		10	0.16	0.08	10	0.65	406	5	0.01	37	830	16	0.04	<2	4	86
279611		10	<0.01	0.07	10	0.90	610	<1	0.05	12	860	73	0.01	<2	3	56
279612		<10	0.12	0.10	10	0.69	1335	2	0.03	33	1500	62	0.14	9	3	127
279613		<10	0.11	0.07	10	0.46	1360	2	0.01	24	1220	139	0.24	27	6	41
279614		<10	0.15	0.07	10	0.51	1095	9	0.01	39	1180	118	0.29	18	7	102
279615		<10	0.02	0.06	10	0.66	541	1	0.02	12	1460	40	0.02	<2	4	51
279616		10	0.02	0.06	10	1.08	1095	2	0.02	29	1440	70	0.22	5	6	46
279617		<10	0.03	0.07	10	0.75	602	1	0.02	14	1300	68	0.25	2	4	59
279618		<10	0.04	0.06	10	0.76	642	1	0.02	16	1350	80	0.28	<2	4	51
279619		<10	0.02	0.09	10	0.58	899	2	0.01	33	1500	43	0.35	8	7	92
279620		10	0.06	0.08	10	0.90	1205	5	0.01	35	1340	104	0.25	6	7	54
279621		10	0.03	0.08	10	0.83	1090	3	0.01	27	1560	59	0.21	7	6	52
279622		10	0.20	0.08	20	0.78	875	2	0.02	23	1640	18	0.13	<2	4	249
279657		10	0.04	0.10	10	0.85	1145	1	0.01	14	1050	54	0.01	<2	4	36
279658		<10	0.04	0.09	10	0.60	770	1	0.01	11	1010	35	0.02	<2	3	68
279659		10	0.03	0.09	10	0.74	887	1	0.01	11	1030	36	0.01	<2	3	54

Comments: NSS is non-sufficient sample.



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04050615

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
271667		0.05	<10	<10	67	<10	346
271668		0.01	<10	10	42	<10	70
271669		0.04	<10	10	62	<10	1455
271670		0.06	<10	<10	58	<10	1165
271671		<0.01	<10	<10	48	<10	115
271672		<0.01	<10	<10	75	<10	113
271673		0.01	<10	<10	48	<10	223
271674		0.02	<10	<10	87	<10	88
271675		0.03	<10	<10	107	<10	128
271676		0.08	<10	<10	106	<10	106
271677		0.01	<10	<10	64	<10	104
271678		0.02	<10	<10	69	<10	86
271679		0.11	<10	<10	99	<10	222
279584		0.04	<10	<10	69	<10	353
279585		0.02	<10	20	35	<10	1995
279586		0.04	<10	<10	76	<10	1180
279587		<0.01	<10	<10	23	<10	223
279588		<0.01	<10	<10	36	<10	149
279589		<0.01	<10	<10	98	<10	121
279570		0.02	<10	<10	70	<10	79
279571		0.01	<10	<10	18	<10	14
279572		0.01	<10	<10	52	<10	82
279573		0.10	<10	10	103	<10	548
279574		0.09	<10	<10	97	<10	466
279575		0.08	<10	<10	80	<10	93
279611		0.07	<10	<10	52	<10	145
279612		0.04	<10	<10	78	<10	254
279613		0.01	<10	<10	59	<10	218
279614		0.01	<10	<10	76	<10	253
279615		0.08	<10	<10	95	<10	100
279616		0.03	<10	<10	86	<10	398
279617		0.06	<10	<10	80	<10	187
279618		0.05	<10	<10	91	<10	207
279619		0.01	<10	<10	58	<10	164
279620		0.01	<10	<10	84	<10	312
279621		0.01	<10	<10	72	<10	217
279622		0.02	<10	<10	78	<10	83
279657		0.05	<10	<10	69	<10	112
279658		0.01	<10	<10	37	<10	98
279659		0.03	<10	<10	51	<10	99

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050615

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41													
	Analyte Units	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	
	LOR	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
279660		0.66	0.031	2.1	0.85	1060	<10	290	0.6	2	0.50	2.1	22	19	133	5.11	
279661		0.72	0.007	0.3	1.40	87	<10	210	0.6	<2	0.89	<0.5	14	18	61	3.73	
279662		1.06	<0.005	0.3	1.12	44	<10	90	<0.5	<2	0.84	<0.5	10	16	48	3.02	
279663		0.76	0.010	0.2	1.13	91	<10	110	<0.5	<2	0.70	0.6	17	17	78	4.35	
279664		0.66	<0.005	<0.2	1.44	35	<10	150	0.5	<2	0.81	<0.5	19	18	88	4.48	
279665		0.74	0.019	0.6	3.06	43	<10	280	1.4	<2	1.28	2.5	22	23	53	4.76	
279666		0.82	0.008	0.2	1.76	25	<10	180	0.7	<2	0.59	0.6	18	24	72	4.06	

Comments: NSS is non-sufficient sample.



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04050615

Sample Description	Method	ME-ICP41	Hg-CV41	ME-ICP41													
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	B	Pb	S	Sb	Sc	Sr	
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
LOR		10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	
279660		<10	0.12	0.07	10	0.47	1365	1	0.01	25	1270	152	0.26	32	6	45	
279661		10	0.05	0.07	10	0.75	998	1	0.02	17	1180	28	0.09	<2	6	68	
279662		<10	0.01	0.06	10	0.67	669	1	0.03	11	1260	35	0.06	<2	3	45	
279663		10	0.09	0.07	10	0.71	882	1	0.02	17	1200	21	0.09	5	8	53	
279664		<10	0.10	0.08	10	0.63	984	3	0.02	19	1200	8	0.08	<2	10	84	
279665		10	0.09	0.12	20	0.84	1290	5	0.02	40	1400	87	0.05	<2	7	303	
279666		10	0.06	0.10	10	0.82	1140	2	0.02	26	1220	25	0.04	<2	6	83	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050615

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
279660		0.01	<10	<10	61	<10	227
279661		0.08	<10	<10	80	<10	101
279662		0.09	<10	<10	79	<10	84
279663		0.06	<10	<10	101	<10	91
279664		0.04	<10	<10	89	<10	90
279665		0.03	<10	<10	56	<10	211
279666		0.04	<10	<10	77	<10	98

Comments: NSS is non-sufficient sample.

Appendix D.3: Certificates Of Analysis

(Soil Samples)



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brookbank Avenue
North Vancouver BC V7J 2C1 Canada
Phone: 604 984 0221 Fax: 604 984 0218

To: EQUITY ENGINEERING LTD.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

Page: 1
Finalized Date: 27-JUL-2004
Account: EIA

CERTIFICATE VA04043984

Project: RFM04-21

P.O. No.:

This report is for 87 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK
RIMFIRE MINERALS CORP

MURRAY JONES

SAMPLE PREPARATION

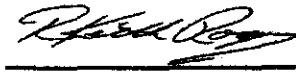
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY ENGINEERING LTD.
ATTN: RIMFIRE MINERALS CORP
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: RFM04-21

CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method Analyte Units LOR	WEI-21	As-AA23	ME-ICP41													
		Revd Wt.	As	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	
		kg	ppm	ppm	%	ppm											
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	
04ASSL01-000M		0.14	0.009	4.9	1.38	>10000	<10	250	0.6	5	0.54	12.9	32	15	184	10.25	
04ASSL01D		0.16	0.780	11.2	0.92	>10000	<10	450	0.6	4	0.57	58.8	28	10	207	12.65	
04ASSL02-050M		0.16	0.214	1.1	2.86	365	<10	90	<0.5	2	0.13	0.5	9	21	73	4.40	
04ASSL03-100M		0.30	0.017	0.7	2.80	144	<10	110	0.5	2	0.15	<0.5	13	24	77	4.29	
04ASSL03B		0.26	<0.005	<0.2	0.55	3	<10	30	<0.5	<2	0.31	<0.5	4	16	7	2.41	
04BMSL01		0.32	<0.005	1.4	1.98	72	<10	130	<0.5	<2	0.18	0.6	6	30	57	7.27	
04BMSL01D		0.32	<0.005	1.7	2.16	73	<10	120	<0.5	<2	0.17	0.5	7	29	52	7.20	
04BMSL02		0.34	0.006	3.4	1.78	83	<10	180	<0.5	<2	1.56	2.5	10	22	73	4.22	
04BMSL03		0.40	<0.005	0.3	2.67	46	<10	110	0.6	<2	0.17	<0.5	12	28	40	4.96	
04BMSL04		0.36	<0.005	2.4	3.22	62	<10	140	<0.5	2	0.12	<0.5	9	32	50	7.24	
04BMSL05		0.32	0.007	0.6	1.50	81	<10	60	0.5	<2	0.19	<0.5	10	15	87	7.01	
04BMSL06		0.28	0.028	0.8	2.80	88	<10	150	0.8	2	1.10	0.8	14	23	84	4.92	
04BMSL07		0.24	<0.005	0.2	2.97	116	<10	140	0.6	2	0.14	<0.5	13	27	54	6.38	
04BMSL08		0.22	0.009	0.6	2.16	70	<10	260	0.5	<2	1.58	0.8	16	26	154	5.84	
04BMSL09		0.26	0.010	0.2	2.86	100	<10	160	0.6	<2	0.08	<0.5	11	28	73	8.77	
04BMSL10		0.20	<0.005	0.4	2.00	63	<10	150	<0.5	2	0.23	<0.5	7	31	41	6.48	
04BMSL11		0.24	0.006	0.2	2.47	175	<10	110	<0.5	<2	0.10	<0.5	10	23	58	6.18	
04BMSL12		0.26	0.086	<0.2	2.75	324	<10	140	0.5	<2	0.13	<0.5	15	24	65	5.64	
04BMSL13		0.24	<0.005	<0.2	2.55	51	<10	120	0.5	2	0.17	<0.5	26	20	91	7.60	
04BMSL14		0.32	<0.005	<0.2	2.73	65	<10	130	0.5	<2	0.33	<0.5	14	27	68	5.96	
04BMSL14D		0.32	<0.005	<0.2	2.98	66	<10	130	0.6	<2	0.37	<0.5	15	30	79	6.12	
04BMSL15		0.26	<0.005	<0.2	2.28	59	<10	130	<0.5	<2	0.12	<0.5	15	22	49	6.29	
04BMSL16		0.24	<0.005	<0.2	2.29	602	<10	180	0.6	2	0.83	0.8	22	29	92	5.31	
04BMSL17		0.36	<0.005	0.2	3.39	77	<10	70	0.6	<2	0.17	<0.5	11	34	83	7.71	
04BMSL18		0.30	<0.005	0.2	2.37	52	<10	70	<0.5	2	0.07	<0.5	6	25	49	6.26	
04BMSL19		0.38	<0.005	<0.2	1.74	50	<10	170	<0.5	<2	0.54	<0.5	6	18	27	3.07	
04BMSL20		0.28	<0.005	0.3	2.82	91	<10	180	0.8	2	2.36	0.6	19	16	132	5.87	
04BMSL21		0.30	<0.005	<0.2	1.41	21	<10	90	<0.5	<2	0.08	<0.5	5	9	27	3.48	
04BMSL22		0.20	<0.005	<0.2	2.43	39	<10	70	<0.5	<2	0.08	<0.5	7	24	45	5.33	
04BMSL23		0.30	<0.005	0.2	1.97	40	<10	80	<0.5	<2	0.07	<0.5	6	38	29	4.41	
04BMSL24		0.24	0.013	1.4	2.67	541	<10	240	0.9	<2	1.95	4.3	12	21	92	3.67	
04BMSL24B		0.42	0.009	<0.2	0.56	<2	<10	30	<0.5	<2	0.34	<0.5	4	20	7	2.92	
04BMSL25		0.26	<0.005	<0.2	2.54	28	<10	130	<0.5	<2	0.27	<0.5	15	25	57	5.42	
04BMSL26		0.28	<0.005	<0.2	2.43	26	<10	150	<0.5	<2	0.27	<0.5	15	22	54	5.12	
04BMSL27		0.24	<0.005	<0.2	1.94	19	<10	80	<0.5	<2	0.11	<0.5	6	18	24	3.02	
04BMSL28		0.28	<0.005	<0.2	2.80	35	<10	90	<0.5	<2	0.08	<0.5	10	14	46	5.70	
04BMSL29		0.30	<0.005	0.2	2.20	15	<10	100	<0.5	<2	0.11	<0.5	5	22	33	2.07	
04BMSL30		0.30	<0.005	0.9	3.43	20	<10	190	1.1	<2	0.43	<0.5	6	26	40	3.39	
04BMSL31		0.20	<0.005	0.2	2.42	23	<10	110	0.6	<2	0.12	<0.5	7	27	54	3.57	
		0.28	<0.005	0.2	2.69	23	<10	170	<0.5	<2	0.44	<0.5	8	28	34	3.65	



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CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-CV41	ME-ICP41													
		Ga	He	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
04ASSL01-000M		<10	0.09	0.08	10	0.31	3970	1	<0.01	15	1360	957	0.08	146	7	33	
04ASSL01D		<10	0.24	0.07	10	0.19	4280	1	<0.01	13	1090	2250	0.09	341	7	44	
04ASSL02-050M		10	0.15	0.05	10	0.42	632	2	0.01	12	2540	65	0.05	10	3	12	
04ASSL03-100M		<10	0.11	0.05	10	0.57	518	1	0.01	18	530	24	0.02	6	7	17	
04ASSL03B		<10	<0.01	0.03	<10	0.21	160	<1	0.02	6	370	2	<0.01	<2	1	22	
04BMSL01		10	0.14	0.04	10	0.20	299	3	0.01	14	900	23	0.05	2	4	18	
04BMSL01D		10	0.15	0.04	10	0.19	331	4	<0.01	12	810	25	0.04	3	4	18	
04BMSL02		10	0.11	0.05	10	0.34	1235	2	0.01	22	1020	28	0.05	6	3	85	
04BMSL03		10	0.07	0.04	10	0.56	400	3	<0.01	21	680	17	<0.01	2	6	17	
04BMSL04		10	0.26	0.05	10	0.50	612	4	0.01	16	1500	22	0.03	3	5	11	
04BMSL05		<10	0.08	0.04	10	0.51	381	6	0.01	24	1040	25	0.01	9	6	11	
04BMSL06		10	0.15	0.05	20	0.44	2340	2	0.01	13	2010	18	0.09	2	4	60	
04BMSL07		10	0.12	0.03	10	0.48	294	3	0.01	14	400	16	0.02	3	8	19	
04BMSL08		10	0.10	0.05	10	0.40	2350	2	0.01	19	1420	23	0.07	3	5	98	
04BMSL09		10	0.07	0.06	<10	0.39	743	2	0.01	12	1040	15	0.03	3	6	10	
04BMSL10		10	0.07	0.06	<10	0.41	486	2	0.01	12	1080	21	0.01	2	3	15	
04BMSL11		10	0.04	0.06	10	0.36	389	2	0.01	11	810	31	<0.01	2	6	10	
04BMSL12		10	0.03	0.06	10	0.59	622	1	0.01	15	820	18	<0.01	3	6	10	
04BMSL13		10	0.04	0.06	<10	0.70	2190	1	0.01	12	1880	14	<0.01	2	9	12	
04BMSL14		10	0.03	0.09	10	0.60	517	2	0.01	19	550	17	<0.01	2	7	26	
04BMSL14D		10	0.05	0.09	10	0.69	497	2	0.01	22	540	19	<0.01	2	8	29	
04BMSL15		10	0.03	0.07	10	0.42	1120	1	0.01	12	1520	18	<0.01	2	5	11	
04BMSL16		10	0.08	0.06	10	0.39	2450	2	0.01	15	1310	22	0.02	13	6	51	
04BMSL17		10	0.17	0.05	10	0.80	416	3	0.01	22	630	19	0.02	5	10	16	
04BMSL18		10	0.07	0.05	10	0.32	319	2	0.01	11	930	19	0.02	3	3	8	
04BMSL19		10	0.03	0.06	10	0.37	539	1	0.01	9	490	11	<0.01	2	3	48	
04BMSL20		10	0.14	0.03	10	0.31	2840	1	0.01	12	1890	12	0.14	3	5	192	
04BMSL21		10	0.03	0.04	<10	0.13	368	1	0.01	5	490	11	<0.01	2	3	11	
04BMSL22		10	0.04	0.05	10	0.52	279	1	<0.01	15	880	10	<0.01	2	5	9	
04BMSL23		10	0.07	0.03	10	0.45	247	2	0.01	14	700	16	0.01	<2	3	11	
04BMSL24		10	0.30	0.04	30	0.38	2230	1	0.01	13	2800	128	0.17	3	5	150	
04BMSL24B		<10	<0.01	0.03	<10	0.21	172	<1	0.03	7	440	<2	<0.01	<2	1	23	
04BMSL25		10	0.06	0.08	10	0.61	2640	1	0.01	15	1080	13	0.01	2	6	14	
04BMSL25D		10	0.06	0.08	10	0.56	3180	1	0.01	14	1080	14	0.01	<2	6	14	
04BMSL26		10	0.03	0.04	10	0.36	224	1	0.01	9	760	10	<0.01	2	1	9	
04BMSL27		10	0.05	0.04	<10	0.44	622	1	0.01	7	1000	10	0.01	2	3	9	
04BMSL28		10	0.09	0.05	10	0.40	251	1	0.01	10	1420	11	0.06	2	<1	16	
04BMSL29		10	0.20	0.05	20	0.46	383	1	0.01	14	2230	11	0.14	<2	<1	33	
04BMSL30		10	0.07	0.07	10	0.50	857	2	0.01	14	1180	12	0.06	2	<1	17	
04BMSL31		10	0.05	0.08	10	0.69	320	1	0.01	17	1190	12	0.03	<2	4	36	



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CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
04ASSL01-000M		0.02	<10	<10	47	<10	1060
04ASSL01D		0.01	<10	<10	34	<10	3520
04ASSL02-050M		0.04	<10	<10	74	<10	102
04ASSL03-100M		0.05	<10	<10	94	<10	104
04ASSL03B		0.07	<10	<10	82	<10	18
04BMSL01		0.10	<10	<10	162	<10	47
04BMSL01D		0.08	<10	<10	157	<10	50
04BMSL02		0.05	<10	<10	96	<10	108
04BMSL03		0.03	<10	<10	104	<10	100
04BMSL04		0.05	<10	<10	126	<10	89
04BMSL05		0.01	<10	<10	87	<10	148
04BMSL06		0.03	<10	<10	99	<10	96
04BMSL07		0.02	<10	<10	108	<10	63
04BMSL08		0.06	<10	<10	123	<10	120
04BMSL09		0.05	<10	<10	171	<10	100
04BMSL10		0.05	<10	<10	171	<10	63
04BMSL11		0.03	<10	<10	172	<10	72
04BMSL12		0.02	<10	<10	137	<10	118
04BMSL13		0.14	<10	<10	208	<10	154
04BMSL14		0.03	<10	<10	156	<10	109
04BMSL14D		0.03	<10	<10	153	<10	112
04BMSL15		0.03	<10	<10	154	<10	102
04BMSL16		0.03	<10	<10	119	<10	150
04BMSL17		0.10	<10	<10	152	<10	71
04BMSL18		0.05	<10	<10	167	<10	55
04BMSL19		0.03	<10	<10	100	<10	65
04BMSL20		0.10	<10	<10	138	<10	150
04BMSL21		0.03	<10	<10	98	<10	55
04BMSL22		0.02	<10	<10	131	<10	58
04BMSL23		0.05	<10	<10	114	<10	46
04BMSL24		0.02	<10	<10	61	<10	334
04BMSL24B		0.07	<10	<10	101	<10	20
04BMSL25		0.03	<10	<10	155	<10	86
04BMSL25D		0.03	<10	<10	144	<10	81
04BMSL26		0.03	<10	<10	113	<10	44
04BMSL27		0.02	<10	<10	143	<10	59
04BMSL28		<0.01	<10	<10	58	<10	44
04BMSL29		0.01	<10	<10	63	<10	65
04BMSL30		0.01	<10	<10	87	<10	73
04BMSL31		0.02	<10	<10	87	<10	79



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CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41															
	Analyte	Recvd Wt.	Au	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	ppm	ppm	ppm	ppm
	Units	kg	ppm	ppm	%	ppm													
04BMSL32	Method	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.28	<0.5	8	31	52	5.55			
	Analyte																		
	Units																		
	LOR																		
	04BMSL33	0.32	<0.005	<0.2	2.48	40	<10	110	<0.5	<2	0.26	<0.5	7	26	41	5.58			
04BMSL33D	04BMSL34	0.34	<0.005	<0.2	2.63	41	<10	110	<0.5	2	0.25	<0.5	7	26	39	5.89			
	04BMSL35	0.30	<0.005	<0.2	2.31	38	<10	180	0.6	<2	0.07	<0.5	10	24	41	4.79			
	04BMSL36	0.26	<0.005	<0.2	2.28	37	<10	80	<0.5	<2	0.08	<0.5	8	26	53	4.72			
	04BMSL37	0.30	<0.005	<0.2	2.36	39	<10	200	<0.5	<2	0.07	<0.5	7	23	30	4.26			
	04BMSL38	0.34	<0.005	<0.2	2.56	54	<10	100	<0.5	<2	0.08	<0.5	8	28	43	5.26			
04BMSL39	04BMSL40	0.36	<0.005	<0.2	3.17	34	<10	80	0.6	<2	0.34	<0.5	11	14	128	4.97			
	04BMSL41	0.34	<0.005	<0.2	2.11	54	<10	110	<0.5	<2	0.16	<0.5	7	27	47	6.03			
	04BMSL42	0.32	<0.005	0.8	2.13	345	10	110	0.6	<2	1.65	<0.5	12	37	200	3.70			
	04BMSL42B	0.32	<0.005	<0.2	1.82	79	<10	230	<0.5	<2	0.29	0.7	14	22	43	4.77			
	04GBSL01	0.36	<0.005	0.2	2.08	228	<10	980	0.8	<2	0.58	<0.5	30	23	136	7.36			
04GBSL01D	04GBSL02	0.50	<0.005	<0.2	0.56	2	<10	30	<0.5	<2	0.34	<0.5	4	19	8	2.97			
	04GBSL03	0.38	0.009	0.2	1.76	77	<10	120	0.6	<2	0.41	<0.5	15	21	75	4.36			
	04GBSL04	0.34	<0.005	0.2	1.66	76	<10	120	0.6	<2	0.43	<0.5	15	21	72	4.23			
	04GBSL05	0.20	0.005	0.4	2.23	88	<10	110	<0.5	3	0.22	<0.5	11	24	89	6.02			
	04GBSL06	0.26	<0.005	0.6	1.24	106	<10	60	<0.5	<2	0.68	<0.5	5	15	75	4.05			
04GBSL07	04GBSL08	0.18	0.007	0.6	2.24	142	<10	150	0.5	<2	0.27	0.8	10	30	71	5.98			
	04GBSL09	0.18	<0.005	0.2	1.54	90	<10	190	<0.5	<2	0.28	0.5	9	20	47	5.34			
	04GBSL10	0.16	0.005	0.5	2.47	484	<10	70	<0.5	2	0.89	1.0	12	27	110	8.95			
	04GBSL11	0.24	<0.005	0.3	1.63	229	<10	80	<0.5	2	0.55	<0.5	9	20	49	5.56			
	04GBSL12	0.18	0.008	0.4	1.52	354	<10	120	<0.5	<2	0.16	<0.5	8	25	55	6.89			
04GBSL13	04GBSL14	0.22	0.008	0.3	2.85	247	<10	80	0.5	<2	0.17	0.6	11	26	74	4.64			
	04GBSL15	0.16	<0.005	0.8	4.03	419	<10	100	0.6	2	0.18	1.0	16	27	75	7.69			
	04GBSL16	0.28	0.005	0.2	1.62	139	<10	120	<0.5	2	0.14	<0.5	9	21	58	4.65			
	04GMSL01D	0.26	0.012	0.3	1.68	138	<10	140	<0.5	2	0.15	<0.5	9	21	68	4.60			
	04GMSL02	0.30	<0.005	<0.2	2.56	323	<10	250	<0.5	2	0.42	1.0	18	22	60	5.09			
04GMSL03	04GMSL04	0.34	<0.005	0.2	2.20	521	<10	220	<0.5	<2	0.14	<0.5	28	12	122	6.52			
	04GMSL05	0.30	0.005	0.9	2.10	222	<10	130	<0.5	2	0.22	<0.5	8	21	51	4.44			
	04GMSL06	0.30	0.009	0.2	2.00	109	<10	90	<0.5	<2	0.30	<0.5	8	26	41	4.16			
	04GMSL07	0.38	<0.005	<0.2	2.17	39	<10	100	<0.5	<2	0.22	<0.5	7	26	37	4.25			
	04GMSL08	0.44	<0.005	<0.2	1.94	57	<10	120	0.5	<2	0.43	<0.5	13	28	61	4.53			
04GMSL09	04GMSL10	0.42	<0.005	<0.2	1.74	89	<10	90	0.5	<2	0.42	<0.5	18	25	66	4.05			
	04GMSL11	0.24	<0.005	0.3	1.90	70	<10	150	<0.5	<2	0.18	0.7	8	23	35	4.31			
	04GMSL12	0.30	<0.005	0.5	2.43	120	<10	110	<0.5	<2	0.12	<0.5	13	21	61	5.97			
	04GMSL13	0.24	<0.005	<0.2	1.38	133	<10	70	<0.5	<2	0.08	<0.5	5	18	33	4.03			
	04GMSL14	0.50	<0.005	<0.2	1.74	148	<10	120	<0.5	<2	0.61	<0.5	9	30	60	6.58			
04GMSL15	04GMSL16	0.22	0.007	0.2	1.63	76	<10	130	<0.5	<2	0.25	<0.5	6	28	46	6.03			
	04GMSL17	0.26	<0.005	0.2	1.72	84	<10	140	<0.5	2	0.23	0.5	5	27	49	6.43			
	04GMSL18	0.32	<0.005	<0.2	2.22	58	<10	110	<0.5	2	0.61	<0.5	12	28	39	4.71			



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CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	ME-ICP41	Hg-CV41	ME-ICP41														
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	
	Units	ppm	ppm	%	ppm	%	ppm											
LOR		10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	1	
04BMSL32		10	0.08	0.06	10	0.74	509	2	0.01	21	1020	14	0.06	<2	2	2	26	
04BMSL33		10	0.11	0.03	10	0.45	347	3	0.01	13	1030	18	0.07	2	1	1	25	
04BMSL33D		10	0.10	0.03	10	0.45	359	3	0.01	13	990	18	0.07	2	1	1	25	
04BMSL34		10	0.09	0.04	10	0.36	826	3	<0.01	13	1120	23	0.07	<2	1	1	16	
04BMSL35		10	0.06	0.06	10	0.62	533	2	<0.01	17	1020	16	0.03	2	1	1	11	
04BMSL36		10	0.03	0.06	10	0.53	396	2	<0.01	13	620	15	0.02	2	2	2	10	
04BMSL37		10	0.05	0.05	10	0.54	346	2	<0.01	16	490	19	0.02	<2	5	10		
04BMSL38		10	0.10	0.05	10	0.66	1060	1	<0.01	10	1560	9	0.09	<2	3	24		
04BMSL39		10	0.08	0.04	<10	0.48	282	2	0.01	13	930	19	0.06	2	3	18		
04BMSL40		10	0.36	0.06	10	0.55	1390	2	0.01	16	2440	22	0.19	7	8	116		
04BMSL41		10	0.03	0.10	10	0.43	2260	2	0.01	13	1260	33	0.03	2	3	25		
04BMSL42		<10	0.08	0.09	10	0.71	2990	2	0.01	15	1750	61	0.07	9	11	48		
04BMSL42B		<10	<0.01	0.03	<10	0.21	174	<1	0.03	6	430	2	0.01	<2	1	23		
04GBSL01		10	0.11	0.07	10	0.66	964	1	0.01	19	900	17	0.02	4	10	35		
04GBSL01D		<10	0.12	0.08	10	0.64	1005	2	0.01	18	950	16	0.02	3	8	32		
04GBSL02		10	0.08	0.09	<10	0.51	662	2	0.01	18	1800	23	0.03	2	4	15		
04GBSL03		10	0.05	0.04	10	0.11	108	6	<0.01	8	780	20	0.05	4	2	35		
04GBSL04		10	0.08	0.06	10	0.20	782	4	0.01	21	900	27	0.05	4	4	22		
04GBSL05		10	0.04	0.07	10	0.21	1515	4	<0.01	12	1240	24	0.02	3	2	18		
04GBSL06		10	0.07	0.03	10	0.37	853	6	0.01	17	1670	96	0.10	14	4	43		
04GBSL07		10	0.05	0.04	10	0.42	489	6	0.01	12	680	28	0.08	6	3	33		
04GBSL08		10	0.04	0.06	10	0.25	347	4	0.01	16	820	96	0.03	5	3	15		
04GBSL09		10	0.08	0.05	10	0.52	581	2	0.01	18	980	25	0.03	5	4	16		
04GBSL10		10	0.13	0.03	10	0.30	1380	12	0.01	12	1420	51	0.10	6	3	26		
04GMSL01		10	0.03	0.10	10	0.32	1145	4	0.01	13	1140	31	0.05	5	2	17		
04GMSL01D		10	0.03	0.09	10	0.30	1200	4	0.01	14	1110	35	0.06	6	2	18		
04GMSL02		10	0.03	0.08	10	0.48	1010	3	0.01	13	1010	55	0.03	3	4	38		
04GMSL03		10	0.04	0.07	<10	0.64	1185	2	0.01	14	970	33	0.03	5	11	14		
04GMSL04		10	0.03	0.06	10	0.45	512	4	0.01	10	1180	51	0.02	6	3	18		
04GMSL05		10	0.03	0.09	10	0.47	347	2	0.01	15	1300	22	0.02	2	4	24		
04GMSL06		10	0.02	0.08	10	0.58	296	1	0.01	16	1130	13	0.02	2	5	19		
04GMSL07		10	0.03	0.09	10	0.79	527	2	0.02	23	820	16	0.03	3	7	37		
04GMSL08		10	0.04	0.09	10	0.74	618	2	0.02	20	1080	18	0.02	3	7	31		
04GMSL09		10	0.02	0.05	<10	0.38	653	2	0.01	15	870	18	0.02	3	3	18		
04GMSL10		10	0.05	0.06	<10	0.32	533	3	<0.01	11	1420	25	0.02	4	6	12		
04GMSL11		10	0.06	0.05	10	0.21	208	2	<0.01	8	1920	24	0.02	3	3	9		
04GMSL12		10	0.07	0.05	10	0.43	492	3	0.01	15	1640	20	0.06	4	4	37		
04GMSL13		10	0.08	0.05	<10	0.30	295	3	0.01	12	900	20	0.04	2	3	17		
04GMSL13D		10	0.07	0.05	10	0.28	285	4	0.01	12	930	21	0.04	4	3	16		
04GMSL14		10	0.04	0.06	10	0.65	472	2	<0.01	16	810	15	0.02	3	4	38		



Project: RFM04-21

CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
04BMSL32		0.03	<10	<10	105	<10	90
04BMSL33		0.02	<10	<10	104	<10	58
04BMSL33D		0.03	<10	<10	110	<10	56
04BMSL34		0.02	<10	<10	104	<10	60
04BMSL35		0.02	<10	<10	103	<10	79
04BMSL36		0.03	<10	<10	107	<10	75
04BMSL37		0.04	<10	<10	125	<10	68
04BMSL38		0.07	<10	<10	179	<10	73
04BMSL39		0.04	<10	<10	124	<10	63
04BMSL40		0.03	<10	<10	93	<10	98
04BMSL41		0.03	<10	<10	104	<10	149
04BMSL42		<0.01	<10	<10	132	<10	137
04BMSL42B		0.07	<10	<10	100	<10	19
04GBSL01		0.06	<10	<10	91	<10	97
04GBSL01D		0.06	<10	<10	89	<10	97
04GBSL02		0.03	<10	<10	120	<10	102
04GBSL03		0.05	<10	<10	122	<10	36
04GBSL04		0.11	<10	<10	154	<10	76
04GBSL05		0.08	<10	<10	166	<10	87
04GBSL06		0.02	<10	<10	110	<10	135
04GBSL07		0.07	<10	<10	123	<10	69
04GBSL08		0.06	<10	<10	174	<10	70
04GBSL09		0.04	<10	<10	94	<10	102
04GBSL10		0.08	<10	<10	99	<10	61
04GMSL01		0.04	<10	<10	99	<10	87
04GMSL01D		0.04	<10	<10	96	<10	82
04GMSL02		0.02	<10	<10	110	<10	253
04GMSL03		0.01	<10	<10	123	<10	116
04GMSL04		0.04	<10	<10	98	<10	118
04GMSL05		0.04	<10	<10	100	<10	78
04GMSL06		0.05	<10	<10	108	<10	122
04GMSL07		0.06	<10	<10	96	<10	90
04GMSL08		0.07	<10	<10	88	<10	80
04GMSL09		0.04	<10	<10	105	<10	88
04GMSL10		0.05	<10	<10	148	<10	87
04GMSL11		0.06	<10	<10	116	<10	51
04GMSL12		0.08	<10	<10	168	<10	73
04GMSL13		0.08	<10	<10	153	<10	62
04GMSL13D		0.09	<10	<10	168	<10	57
04GMSL14		0.04	<10	<10	101	<10	93



Project: RFM04-21

CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41																	
	Analyte	Recd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe					
Units	kg	ppm	ppm	%	ppm	ppm															
LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	1	1	1	1	1	0.01	
04GMSL15		0.48	0.007	<0.2	2.25	62	<10	150	0.5	<2	1.27	<0.5	11	26	52	4.30					
04GMSL16		0.32	<0.005	0.2	2.78	289	<10	190	<0.5	<2	0.78	<0.5	24	33	33	7.24					
04GMSL17		0.32	0.008	0.3	2.08	62	<10	80	<0.5	<2	0.13	<0.5	5	27	43	6.87					
04GMSL18		0.34	0.005	0.5	2.52	48	<10	160	0.7	<2	0.28	<0.5	13	28	94	4.15					
04GMSL18B		0.44	<0.005	<0.2	0.58	<2	<10	30	<0.5	<2	0.35	<0.5	4	18	14	2.84					
04GMSL19		0.28	<0.005	0.3	2.50	81	<10	60	<0.5	<2	0.10	<0.5	6	34	42	7.57					
04GMSL20		0.32	<0.005	<0.2	2.24	50	<10	160	<0.5	<2	0.29	<0.5	11	21	54	8.62					



Project: RFM04-21

CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	ME-ICP41	ME-CV41	ME-ICP41												
	Analyte	Ge	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	.10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	1
04GMSL15	<10	0.08	0.06	10	0.61	579	2	0.01	20	710	20	0.04	2	5	71	
04GMSL16	10	0.07	0.06	10	0.70	1610	4	0.01	14	700	11	0.02	22	11	67	
04GMSL17	10	0.10	0.05	10	0.25	253	2	0.01	11	1540	20	0.03	3	4	12	
04GMSL18	10	0.11	0.07	10	0.53	705	2	0.01	24	1090	16	0.04	4	2	23	
04GMSL18B	<10	<0.01	0.03	10	0.22	170	<1	0.02	6	380	7	<0.01	<2	1	24	
04GMSL19	20	0.07	0.04	10	0.30	252	3	<0.01	11	850	22	0.01	3	5	9	
04GMSL20	10	0.11	0.05	10	0.40	614	1	<0.01	13	1140	13	0.03	2	5	26	



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700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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Total # Pages: 4 (A - C)
Finalized Date: 27-JUL-2004
Account: EIA

Project: RFM04-21

CERTIFICATE OF ANALYSIS VA04043984

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
04GMSL15		0.04	<10	<10	89	<10	94
04GMSL16		0.03	<10	<10	103	<10	69
04GMSL17		0.09	<10	<10	151	<10	44
04GMSL18		0.03	<10	<10	84	<10	72
04GMSL18B		0.07	<10	<10	86	<10	25
04GMSL19		0.09	<10	<10	185	<10	53
04GMSL20		0.18	<10	<10	280	<10	81



CERTIFICATE VA04045074

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 174 Soil samples submitted to our lab in Vancouver, BC, Canada on
16-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK
RIMFIRE MINERALS CORP

MURRAY JONES

SAMPLE PREPARATION

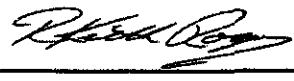
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
DRY-21	High Temperature Drying

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: **EQUITY ENGINEERING LTD.**
ATTN: MURRAY JONES
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt.	Au-AA23 Au	Au-AA23 Check	ME-ICP41 Ag	ME-ICP41 Al	ME-ICP41 As	ME-ICP41 B	ME-ICP41 Ba	ME-ICP41 Be	ME-ICP41 Bi	ME-ICP41 Ca	ME-ICP41 Cd	ME-ICP41 Co	ME-ICP41 Cr	ME-ICP41 Cu	ME-ICP41
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
04GBSL11		0.40	0.009		<0.2	2.05	28	<10	120	0.6	<2	0.62	<0.5	14	34	63	
04GBSL11D		0.44	0.007		<0.2	1.98	28	<10	140	0.6	<2	0.57	<0.5	15	35	71	
04GBSL12		0.28	<0.005		<0.2	2.29	18	<10	190	0.6	<2	1.06	0.6	9	31	41	
04GBSL13		0.36	0.009		0.3	2.46	12	<10	150	0.8	<2	0.63	0.6	10	48	81	
04GBSL14		0.32	0.009		0.2	2.85	18	<10	120	1.0	<2	0.14	<0.5	13	36	92	
04GBSL15		0.48	0.012		0.2	2.71	17	<10	130	1.0	<2	0.40	<0.5	24	40	138	
04GBSL16		0.32	0.005		0.3	2.44	16	<10	180	0.9	<2	0.22	<0.5	15	32	68	
04GBSL17		0.26	0.012		<0.2	2.72	14	<10	290	1.1	<2	1.12	<0.5	11	28	61	
04GBSL18		0.48	0.007		0.2	1.98	20	<10	370	1.1	<2	0.42	<0.5	28	26	94	
04GBSL19		0.36	<0.005		<0.2	2.32	31	<10	190	0.7	<2	0.45	0.5	6	18	37	
04GBSL20		0.40	0.013		0.2	2.41	10	<10	120	1.0	<2	0.40	<0.5	19	22	82	
04GBSL21		0.54	0.011		<0.2	2.54	21	<10	80	1.0	<2	0.15	<0.5	25	24	75	
04GBSL22		0.30	0.005		0.4	2.78	22	<10	100	0.5	2	0.03	<0.5	14	32	51	
04GBSL23		0.34	<0.005		<0.2	2.21	10	<10	90	<0.5	<2	0.41	<0.5	6	26	21	
04GBSL23D		0.36	<0.005		0.2	2.29	7	<10	100	<0.5	<2	0.41	<0.5	6	25	25	
04GBSL24		0.26	<0.005		<0.2	2.12	30	<10	100	<0.5	<2	0.10	<0.5	9	33	41	
04GBSL25		0.32	<0.005		0.3	2.78	17	<10	150	0.8	<2	0.13	<0.5	10	36	59	
04GBSL26		0.38	0.009		<0.2	2.88	33	<10	120	0.7	<2	0.12	<0.5	16	35	81	
04GBSL27		0.44	0.009		<0.2	2.63	27	<10	170	0.9	<2	0.33	<0.5	26	37	89	
04GBSL28		0.26	0.006		0.3	2.24	17	<10	70	<0.5	<2	0.07	<0.5	8	31	37	
04GBSL29		0.36	<0.005		0.3	3.04	15	<10	80	0.7	<2	0.18	<0.5	9	35	45	
04GBSL30		0.28	<0.005		0.2	2.22	22	<10	90	<0.5	<2	0.07	<0.5	6	28	28	
04GBSL31		0.26	0.006		<0.2	1.86	15	<10	90	<0.5	<2	0.06	<0.5	6	26	20	
04GBSL32		0.30	<0.005		0.3	2.33	24	<10	100	0.5	<2	0.08	<0.5	8	32	48	
04GBSL32B		0.26	<0.005		<0.2	0.51	<2	<10	20	<0.5	<2	0.29	<0.5	4	16	7	
04GBSL33		0.40	<0.005		0.2	3.00	28	<10	180	0.6	<2	0.12	<0.5	9	37	48	
04GBSL33D		0.36	<0.005		0.5	2.76	30	<10	160	0.5	<2	0.10	<0.5	9	34	41	
04GBSL34		0.38	0.006		0.4	3.27	20	<10	90	0.9	<2	0.20	<0.5	9	37	35	
04GBSL35		0.26	0.005		<0.2	2.66	25	<10	120	0.7	<2	0.43	<0.5	8	31	42	
04GBSL36		0.40	<0.005		<0.2	2.80	33	<10	100	0.5	<2	0.11	<0.5	13	40	56	
04GBSL37		0.36	0.008		<0.2	3.24	11	<10	110	1.1	<2	0.66	<0.5	18	38	68	
04GBSL38		0.36	0.006		<0.2	2.61	23	<10	150	0.9	<2	0.19	<0.5	12	36	51	
04GBSL39		0.24	<0.005		0.6	1.92	15	<10	90	<0.5	<2	0.13	<0.5	8	21	33	
04GBSL40		0.28	0.007		0.7	2.10	10	<10	460	0.8	<2	2.67	<0.5	8	18	63	
04GBSL41		0.40	0.007		0.3	2.83	24	<10	260	1.3	<2	0.41	<0.5	20	27	61	
04GBSL42		0.46	0.012		0.2	3.04	29	<10	120	1.0	<2	0.15	<0.5	23	37	103	
04GBSL43		0.32	<0.005		0.2	2.15	39	<10	400	0.6	<2	0.57	1.6	16	14	27	
04GBSL44		0.32	<0.005		<0.2	1.72	32	<10	160	0.7	<2	0.10	0.5	12	20	43	
04GBSL45		0.34	0.007		0.3	2.63	25	<10	160	0.9	<2	0.05	<0.5	17	36	73	
04GBSL45D		0.30	0.007		0.3	2.75	22	<10	150	0.9	2	0.05	<0.5	18	36	78	

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41												
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se
		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
04GBSL11		4.60	10	0.66	0.08	10	0.86	750	2	0.01	44	610	18	0.02	<2	9	
04GBSL11D		4.67	10	1.60	0.06	10	0.81	760	3	0.01	44	600	14	0.02	5	9	
04GBSL12		3.64	10	2.60	0.07	10	0.64	603	4	0.01	22	2750	12	0.15	3	4	
04GBSL13		3.52	10	0.28	0.09	20	1.23	255	3	0.01	38	950	16	1.12	<2	6	
04GBSL14		5.14	10	0.11	0.09	10	1.14	845	5	0.01	30	1630	18	0.04	<2	6	
04GBSL15		5.64	10	0.14	0.12	20	1.47	1275	5	0.01	50	1240	26	0.01	<2	10	
04GBSL16		5.64	10	0.09	0.12	10	0.87	1405	4	<0.01	22	2470	23	0.05	<2	1	
04GBSL17		4.07	10	0.12	0.07	20	0.77	976	4	0.01	19	2810	14	0.16	<2	6	
04GBSL18		5.02	10	0.14	0.12	30	0.96	1270	4	<0.01	31	1340	29	0.03	2	7	
04GBSL19		4.11	10	0.22	0.09	20	0.48	374	6	0.01	14	1320	27	0.06	2	2	
04GBSL20		4.73	10	0.13	0.09	30	1.13	828	3	<0.01	28	1320	28	0.01	2	6	
04GBSL21		5.09	10	0.13	0.10	30	1.07	1250	4	<0.01	26	1370	42	<0.01	<2	5	
04GBSL22		5.38	10	0.23	0.07	10	0.45	1530	3	<0.01	16	1970	20	0.05	2	1	
04GBSL23		2.61	10	0.13	0.04	10	0.40	178	3	0.01	19	860	9	0.05	<2	1	
04GBSL23D		3.17	10	0.22	0.04	10	0.41	264	4	0.01	16	850	9	0.05	2	1	
04GBSL24		5.08	10	0.21	0.07	10	0.51	872	3	<0.01	16	1840	17	0.04	2	2	
04GBSL25		4.21	10	0.09	0.09	10	0.92	443	4	0.01	25	1150	13	0.06	2	1	
04GBSL26		4.21	10	0.30	0.08	20	0.84	980	2	0.01	29	1100	16	0.02	2	4	
04GBSL27		4.56	10	0.52	0.11	20	1.07	1275	2	0.01	41	1080	20	<0.01	<2	8	
04GBSL28		4.01	10	0.07	0.06	10	0.60	472	2	<0.01	20	990	10	0.01	<2	1	
04GBSL29		4.15	10	0.13	0.04	10	0.72	818	3	0.01	17	990	9	0.03	3	2	
04GBSL30		3.61	10	0.13	0.04	10	0.43	465	2	<0.01	12	1060	14	0.05	2	1	
04GBSL31		2.59	10	0.06	0.05	10	0.44	467	2	<0.01	10	1120	11	0.01	3	1	
04GBSL32		4.08	10	0.10	0.06	10	0.65	489	2	<0.01	20	1100	13	0.03	2	1	
04GBSL32B		2.37	<10	<0.01	0.03	<10	0.21	158	<1	0.02	6	380	<2	<0.01	<2	1	
04GBSL33		4.58	10	0.51	0.05	10	0.74	556	3	0.01	21	1000	13	0.02	<2	3	
04GBSL33D		4.14	10	0.11	0.05	10	0.64	566	2	0.01	19	980	11	0.02	<2	2	
04GBSL34		5.09	10	0.17	0.04	10	0.67	591	2	0.01	18	1570	10	0.06	2	3	
04GBSL35		3.69	10	0.28	0.05	10	0.68	509	3	0.01	17	1710	11	0.08	2	1	
04GBSL36		5.45	10	0.36	0.05	10	0.80	749	2	0.01	28	600	16	0.02	3	4	
04GBSL37		4.37	10	0.60	0.10	20	1.25	1050	2	0.01	29	1140	13	0.01	2	9	
04GBSL38		5.50	10	0.22	0.08	10	0.66	1185	3	<0.01	23	1560	15	0.09	<2	1	
04GBSL39		3.57	10	0.09	0.07	10	0.45	558	2	<0.01	11	1300	10	0.02	3	1	
04GBSL40		2.65	10	0.38	0.03	20	0.35	1295	3	0.01	12	3070	10	0.29	2	3	
04GBSL41		5.10	10	0.09	0.13	30	1.11	1260	3	0.01	23	1530	26	0.02	2	7	
04GBSL42		5.40	10	0.79	0.10	20	1.15	1180	2	0.01	39	1340	22	0.01	2	9	
04GBSL43		5.08	10	0.16	0.09	20	0.45	1585	20	<0.01	10	2720	227	0.08	5	1	
04GBSL44		4.14	10	0.11	0.11	10	0.44	1120	6	<0.01	19	2400	32	0.04	3	<1	
04GBSL45		5.06	10	0.14	0.08	10	0.72	1095	4	<0.01	22	1410	21	0.06	4	1	
04GBSL45D		5.18	10	0.14	0.08	10	0.79	1050	4	<0.01	24	1350	21	0.06	4	1	

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	ME-ICP41						
		Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	0.01	10	10	1	10	2
04GBSL11		77	0.04	<10	<10	93	<10	84
04GBSL11D		73	0.05	<10	<10	98	<10	78
04GBSL12		122	0.02	<10	<10	75	<10	130
04GBSL13		122	0.02	<10	<10	81	<10	120
04GBSL14		17	0.01	<10	<10	66	<10	134
04GBSL15		39	0.01	<10	<10	61	<10	142
04GBSL16		21	0.01	<10	<10	79	<10	138
04GBSL17		136	0.02	<10	<10	70	<10	112
04GBSL18		34	0.01	<10	<10	52	<10	132
04GBSL19		99	<0.01	<10	<10	55	<10	146
04GBSL20		32	0.01	<10	<10	47	<10	147
04GBSL21		13	0.01	<10	<10	58	<10	141
04GBSL22		9	0.01	<10	<10	91	<10	88
04GBSL23		36	0.03	<10	<10	84	<10	45
04GBSL23D		36	0.03	<10	<10	96	<10	53
04GBSL24		15	0.08	<10	<10	135	<10	87
04GBSL25		18	0.01	<10	<10	74	<10	108
04GBSL26		14	0.05	<10	<10	87	<10	94
04GBSL27		39	0.07	<10	<10	82	<10	115
04GBSL28		10	0.03	<10	<10	98	<10	69
04GBSL29		27	0.04	<10	<10	94	<10	81
04GBSL30		12	0.03	<10	<10	73	<10	61
04GBSL31		11	0.02	<10	<10	82	<10	53
04GBSL32		10	0.02	<10	<10	82	<10	80
04GBSL32B		22	0.07	<10	<10	79	<10	17
04GBSL33		20	0.04	<10	<10	100	<10	80
04GBSL33D		18	0.03	<10	<10	99	<10	71
04GBSL34		29	0.09	<10	<10	107	<10	76
04GBSL35		59	0.03	<10	<10	88	<10	80
04GBSL36		14	0.07	<10	<10	116	<10	85
04GBSL37		83	0.13	<10	<10	91	<10	111
04GBSL38		21	0.03	<10	<10	85	<10	110
04GBSL39		21	0.03	<10	<10	102	<10	70
04GBSL40		186	0.02	<10	<10	53	<10	35
04GBSL41		35	0.02	<10	<10	71	<10	118
04GBSL42		15	0.03	<10	<10	91	<10	127
04GBSL43		41	0.01	<10	<10	85	<10	326
04GBSL44		15	<0.01	<10	<10	62	<10	115
04GBSL45		11	0.01	<10	<10	72	<10	104
04GBSL45D		10	0.01	<10	<10	74	<10	108

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method	WEI-21	Au-AA23	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Recvd Wt.	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	
		kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
04GBSL46		0.26	0.006		0.3	2.94	15	<10	90	0.7	<2	0.04	<0.5	14	33	100	
04GBSL47		0.46	0.008		0.5	2.31	12	<10	110	1.0	<2	0.37	<0.5	36	30	146	
04GBSL48		0.30	<0.005		<0.2	2.50	21	<10	210	0.5	<2	0.14	<0.5	11	37	66	
04GBSL49		0.30	0.006		0.4	2.17	12	<10	470	0.8	<2	0.78	<0.5	22	36	87	
04GBSL50		0.28	0.007		0.4	1.90	19	<10	90	<0.5	<2	0.04	<0.5	10	38	77	
04GBSL51		0.26	0.005		<0.2	2.34	24	<10	180	0.5	<2	0.08	<0.5	17	53	82	
04GBSL51B		0.16	<0.005		<0.2	0.50	2	<10	30	<0.5	<2	0.28	<0.5	4	15	7	
04GBSL52		0.34	<0.005		<0.2	2.72	24	<10	110	<0.5	<2	0.11	<0.5	11	34	38	
04GBSL52D		0.34	0.009		0.2	2.65	17	<10	120	<0.5	2	0.10	<0.5	10	32	36	
04GBSL53		0.36	<0.005		0.2	2.94	12	<10	90	0.8	<2	0.20	<0.5	11	42	38	
04GBSL54		0.22	<0.005		<0.2	0.46	2	<10	30	<0.5	<2	0.10	<0.5	2	6	4	
04GBSL55		0.36	<0.005		<0.2	3.14	16	<10	160	0.6	<2	0.49	<0.5	11	34	28	
04GBSL56		0.26	<0.005		0.2	1.93	22	<10	80	<0.5	<2	0.05	<0.5	7	35	34	
04GBSL57		0.40	0.009		<0.2	2.88	12	<10	110	0.9	<2	0.40	<0.5	31	46	79	
04GBSL58		0.22	<0.005		0.3	1.04	3	<10	70	<0.5	<2	0.04	<0.5	2	11	8	
04GBSL59		0.32	<0.005		<0.2	2.48	21	<10	90	<0.5	<2	0.10	<0.5	8	31	36	
04GBSL60		0.18	<0.005		0.5	1.34	11	<10	80	<0.5	<2	0.09	<0.5	4	16	22	
04GBSL61		0.24	<0.005		<0.2	0.88	4	<10	80	<0.5	<2	0.07	<0.5	2	8	8	
04GBSL62		0.28	<0.005		0.3	0.75	3	<10	40	<0.5	<2	0.04	<0.5	1	6	5	
04GBSL63		0.26	<0.005		<0.2	1.95	24	<10	60	<0.5	<2	0.11	<0.5	7	27	35	
04GBSL64		0.24	<0.005		0.6	1.54	10	<10	70	<0.5	<2	0.07	<0.5	3	17	12	
04GBSL64D		0.30	<0.005		0.7	1.66	11	<10	70	<0.5	<2	0.07	<0.5	3	19	14	
04GBSL65		0.26	<0.005		0.4	2.32	9	<10	130	0.7	<2	0.58	<0.5	6	24	23	
04GBSL66		0.24	<0.005		0.2	1.48	21	<10	80	<0.5	<2	0.09	<0.5	5	18	21	
04GBSL67		0.32	<0.005		0.2	2.71	12	<10	60	<0.5	<2	0.30	<0.5	8	74	26	
04GBSL68		0.34	<0.005		0.3	1.81	18	<10	80	<0.5	<2	0.08	<0.5	5	22	27	
04GBSL69		0.26	<0.005		0.3	1.90	6	<10	70	<0.5	<2	0.08	<0.5	5	33	23	
04GBSL70		0.22	<0.005		0.3	1.43	12	<10	120	<0.5	<2	0.07	<0.5	8	16	23	
04GBSL71		0.30	<0.005		0.2	2.32	14	<10	90	0.5	<2	0.08	<0.5	5	27	27	
04GBSL72		0.36	<0.005		0.3	2.19	21	<10	100	<0.5	<2	0.05	<0.5	4	26	21	
04GBSL73		0.32	<0.005		0.2	2.93	24	<10	100	0.6	<2	0.14	<0.5	13	34	48	
04GBSL73B		0.26	<0.005		<0.2	0.52	<2	<10	30	<0.5	<2	0.31	<0.5	4	18	7	
04GBSL74		Not Recvd				Not Recvd				Not Recvd				Not Recvd			
04GBSL75		Not Recvd				Not Recvd				Not Recvd				Not Recvd			
04GBSL76		Not Recvd				Not Recvd				Not Recvd				Not Recvd			
04GBSL77		Not Recvd				Not Recvd				Not Recvd				Not Recvd			
04GBSL78		Not Recvd				Not Recvd				Not Recvd				Not Recvd			
04GBSL79		0.22	<0.005		<0.2	0.88	4	<10	60	<0.5	<2	0.12	<0.5	3	11	11	
04GBSL79D		0.26	<0.005		<0.2	1.08	5	<10	60	<0.5	<2	0.15	<0.5	3	15	14	
04GBSL80		0.32	<0.005		<0.2	1.52	10	<10	70	<0.5	<2	0.18	<0.5	11	30	16	

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe % 0.01	Ga ppm 10	Hg ppm 0.01	K % 0.01	La ppm 10	Mn % 0.01	Mo ppm 5	Na % 1	Ni ppm 0.01	B ppm 1	Pb ppm 10	S % 2	Sb ppm 0.01	Sc ppm 2	
04GBSL46		5.32	10	0.07	0.10	10	1.08	682	3	<0.01	22	1300	19	0.02	<2	2
04GBSL47		5.32	10	0.11	0.14	20	1.41	1205	3	<0.01	43	1490	34	<0.01	2	8
04GBSL48		5.23	10	0.05	0.10	10	0.96	563	3	<0.01	23	1940	19	<0.01	2	5
04GBSL49		4.39	10	0.16	0.18	20	1.03	2090	3	<0.01	36	2290	24	0.02	2	7
04GBSL50		4.45	10	0.49	0.08	10	0.60	827	3	<0.01	24	2230	15	0.03	3	1
04GBSL51		6.02	10	0.10	0.12	10	0.96	1055	5	<0.01	36	2360	21	0.02	2	2
04GBSL51B		2.17	<10	<0.01	0.03	<10	0.21	156	<1	0.02	6	360	<2	<0.01	<2	1
04GBSL52		4.02	10	0.04	0.08	10	0.72	632	2	<0.01	27	960	13	<0.01	2	2
04GBSL52D		3.87	10	0.04	0.07	10	0.65	623	2	0.01	23	910	13	0.01	<2	2
04GBSL53		4.79	10	0.12	0.08	10	0.88	825	2	<0.01	23	1380	11	0.05	<2	3
04GBSL54		0.62	10	0.03	0.03	10	0.07	126	1	0.01	2	380	6	<0.01	<2	1
04GBSL55		3.98	10	0.07	0.09	10	0.63	1175	1	0.01	18	1490	16	0.01	<2	5
04GBSL56		5.53	10	0.19	0.07	10	0.38	495	3	<0.01	14	2130	12	0.04	<2	2
04GBSL57		5.26	10	0.34	0.11	20	1.32	1195	4	0.01	49	1640	19	0.01	2	8
04GBSL58		0.97	10	0.10	0.05	10	0.08	158	1	<0.01	4	890	8	0.02	<2	<1
04GBSL59		3.27	10	0.05	0.07	10	0.66	418	2	<0.01	24	680	14	<0.01	2	4
04GBSL60		2.07	10	0.07	0.07	10	0.26	253	2	<0.01	10	720	8	<0.01	2	2
04GBSL61		0.89	10	0.06	0.07	20	0.08	203	1	<0.01	4	810	4	0.01	2	<1
04GBSL62		0.47	10	0.03	0.04	10	0.05	37	<1	<0.01	1	280	5	<0.01	<2	<1
04GBSL63		4.02	10	0.06	0.06	10	0.52	342	2	<0.01	18	540	13	<0.01	2	4
04GBSL64		1.42	10	0.10	0.05	10	0.22	158	1	<0.01	9	900	7	0.02	<2	<1
04GBSL64D		1.58	10	0.22	0.05	10	0.24	156	2	<0.01	9	1010	9	0.03	<2	<1
04GBSL65		2.74	10	0.11	0.06	10	0.47	279	2	0.01	13	1700	10	0.09	<2	<1
04GBSL66		2.72	10	0.06	0.05	10	0.19	224	2	<0.01	8	1020	14	0.01	2	2
04GBSL67		6.56	20	0.16	0.04	10	1.10	501	2	<0.01	20	2550	13	0.03	<2	4
04GBSL68		2.77	10	0.09	0.04	10	0.38	397	2	<0.01	11	710	12	0.01	2	1
04GBSL69		2.11	10	0.13	0.05	10	0.40	284	1	<0.01	14	980	10	0.06	2	<1
04GBSL70		2.35	10	0.05	0.06	10	0.12	1060	2	<0.01	9	740	14	0.01	<2	1
04GBSL71		2.03	10	0.19	0.05	10	0.41	313	2	<0.01	16	1020	7	0.05	<2	<1
04GBSL72		2.55	10	0.08	0.06	10	0.25	286	2	<0.01	11	750	13	0.02	<2	<1
04GBSL73		4.19	10	0.09	0.06	10	0.77	522	2	0.01	30	460	17	0.01	2	5
04GBSL73B		2.62	<10	<0.01	0.03	<10	0.20	165	<1	0.02	7	400	<2	<0.01	<2	1
04GBSL74																
04GBSL75																
04GBSL76																
04GBSL77																
04GBSL78																
04GBSL79		1.21	10	0.10	0.03	10	0.14	113	1	<0.01	5	750	8	0.04	2	<1
04GBSL79D		1.63	10	0.08	0.03	10	0.19	185	1	0.01	5	800	8	0.04	<2	<1
04GBSL80		4.60	10	0.06	0.05	10	0.45	1635	1	0.01	9	1920	17	0.02	<2	3

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Sr ppm 1	Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
04GBSL46		5	0.01	<10	<10	70	<10	110
04GBSL47		25	0.01	<10	<10	54	<10	148
04GBSL48		10	0.02	<10	<10	100	<10	108
04GBSL49		45	0.01	<10	<10	59	<10	128
04GBSL50		8	0.01	<10	<10	78	<10	87
04GBSL51		10	0.02	<10	<10	102	<10	146
04GBSL51B		22	0.06	<10	<10	73	<10	16
04GBSL52		16	0.06	<10	<10	106	<10	118
04GBSL52D		16	0.05	<10	<10	102	<10	108
04GBSL53		23	0.13	<10	<10	98	<10	93
04GBSL54		10	0.08	<10	<10	28	<10	12
04GBSL55		76	0.06	<10	<10	97	<10	77
04GBSL56		9	0.08	<10	<10	108	<10	59
04GBSL57		31	0.18	<10	<10	72	<10	124
04GBSL58		10	0.01	<10	<10	32	<10	18
04GBSL59		13	0.04	<10	<10	76	<10	74
04GBSL60		12	0.05	<10	<10	65	<10	38
04GBSL61		8	<0.01	<10	<10	31	<10	26
04GBSL62		8	0.02	<10	<10	24	<10	7
04GBSL63		12	0.05	<10	<10	90	<10	54
04GBSL64		13	0.01	<10	<10	43	<10	29
04GBSL64D		13	0.01	<10	<10	43	<10	32
04GBSL65		51	0.01	<10	<10	68	<10	60
04GBSL66		15	0.08	<10	<10	107	<10	35
04GBSL67		40	0.18	<10	<10	166	<10	58
04GBSL68		13	0.03	<10	<10	80	<10	56
04GBSL69		17	0.04	<10	<10	71	<10	50
04GBSL70		17	0.04	<10	<10	90	<10	36
04GBSL71		14	0.02	<10	<10	53	<10	58
04GBSL72		10	0.02	<10	<10	65	<10	45
04GBSL73		16	0.06	<10	<10	83	<10	79
04GBSL73B		22	0.07	<10	<10	90	<10	17
04GBSL74								
04GBSL75								
04GBSL76								
04GBSL77								
04GBSL78								
04GBSL79		23	0.03	<10	<10	40	<10	19
04GBSL79D		25	0.05	<10	<10	55	<10	26
04GBSL80		25	0.16	<10	<10	144	<10	53

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23	ME-ICP41													
		Recvd Wt.	Ag	Al	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Ge	Hg	K	Li	Mn	Na
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
04GBSL81		0.30	<0.005	<0.2	2.01	9	<10	90	0.7	<2	0.14	<0.5	21	33	27			
04GBSL82		0.28	<0.005	<0.2	2.82	9	<10	90	0.9	<2	0.31	<0.5	13	33	41			
04GBSL83		0.28	<0.005	0.2	2.15	14	<10	90	0.6	<2	0.24	<0.5	9	34	31			
04GBSL84		0.22	<0.005	<0.2	1.63	11	<10	70	<0.5	<2	0.15	<0.5	9	31	18			
04GBSL85		0.28	<0.005	<0.2	2.25	16	<10	120	<0.5	<2	1.14	<0.5	9	29	50			
04GBSL86		0.28	<0.005	0.2	2.43	18	<10	70	<0.5	<2	0.09	<0.5	8	28	29			
04GBSL86D		0.28	<0.005	0.2	2.60	16	<10	80	<0.5	<2	0.09	<0.5	8	28	30			
04GBSL87		0.30	<0.005	<0.2	2.20	20	<10	60	<0.5	<2	0.10	<0.5	9	33	35			
04GBSL88		0.28	0.005	<0.2	2.71	16	<10	160	0.6	<2	0.19	<0.5	10	33	39			
04GBSL89		0.32	<0.005	0.3	2.60	18	<10	110	0.6	<2	0.27	<0.5	11	37	38			
04GBSL90		0.30	<0.005	0.7	3.36	15	<10	190	1.1	<2	0.23	<0.5	6	33	45			
04GBSL90B		0.24	<0.005	<0.2	0.52	<2	<10	30	<0.5	<2	0.30	<0.5	4	17	7			
04GBSL91		0.40	<0.005	<0.2	2.77	35	<10	160	0.7	<2	0.17	<0.5	14	24	52			
04GBSL91D		0.38	<0.005	<0.2	2.67	35	<10	150	0.7	<2	0.19	<0.5	15	25	54			
04GBSL92		0.40	0.006	<0.2	2.45	13	<10	150	<0.5	<2	0.29	<0.5	4	22	23			
04GBSL93		0.28	<0.005	<0.2	2.93	34	<10	120	0.5	<2	0.07	<0.5	10	32	43			
04GBSL94		0.42	<0.005	0.2	3.78	39	<10	110	0.5	<2	0.16	<0.5	8	28	44			
04GBSL95		0.42	0.005	<0.2	1.69	64	<10	540	1.0	2	0.52	0.5	18	5	48			
04GBSL96		0.48	<0.005	<0.2	2.62	36	<10	110	0.7	<2	0.14	<0.5	14	24	46			
04GBSL97		0.30	<0.005	<0.2	2.59	18	<10	140	<0.5	<2	0.04	<0.5	10	18	26			
04GBSL98		0.40	0.005	0.2	2.81	19	<10	80	<0.5	<2	0.08	<0.5	5	26	35			
04GBSL99		0.38	<0.005	0.4	3.26	30	<10	140	0.6	<2	0.11	<0.5	12	33	42			
04GBSL100		0.34	<0.005	0.2	3.09	29	<10	120	<0.5	<2	0.07	<0.5	11	33	44			
04GBSL101		0.40	<0.005	0.3	3.25	29	<10	130	0.6	<2	0.10	<0.5	14	37	59			
04GBSL102		0.50	0.009	<0.2	3.89	32	<10	190	0.9	<2	0.15	<0.5	18	43	81			
04GBSL103		0.40	<0.005	0.3	3.10	30	<10	170	1.3	<2	0.42	<0.5	17	19	49			
04GBSL103D		0.46	0.008	<0.2	2.65	32	<10	150	0.8	<2	0.22	<0.5	18	31	60			
04GBSL104		0.44	0.008	<0.2	3.07	33	<10	210	1.4	2	0.38	<0.5	18	30	70			
04GBSL105		0.52	<0.005	<0.2	3.19	28	<10	190	0.9	<2	0.49	<0.5	22	36	79			
04GBSL106		0.56	0.006	<0.2	2.60	40	<10	190	0.9	<2	0.47	0.7	21	32	80			
04GBSL107		0.44	<0.005	<0.2	2.53	15	<10	180	0.7	<2	0.07	<0.5	10	33	63			
04GBSL108		0.40	<0.005	0.3	2.33	22	<10	240	0.7	2	0.07	<0.5	8	28	40			
04GBSL109		0.26	<0.005	<0.2	2.78	22	<10	190	0.7	<2	0.07	<0.5	12	35	44			
04GBSL110		0.44	<0.005	<0.2	2.25	22	<10	340	0.9	<2	0.48	<0.5	12	22	50			
04GBSL111		0.34	0.005	<0.2	2.02	21	<10	150	0.6	<2	0.23	<0.5	13	37	33			
04GBSL111D		0.34	<0.005	<0.2	1.96	17	<10	170	0.6	<2	0.24	<0.5	11	34	33			
04GBSL112		0.34	0.029	<0.2	2.27	22	<10	640	0.8	<2	0.70	<0.5	19	33	44			
04GBSL113		0.30	<0.005	<0.2	1.82	14	<10	160	0.6	<2	0.26	<0.5	7	42	23			
04GBSL114		0.46	<0.005	<0.2	2.91	35	<10	330	0.9	<2	0.38	<0.5	18	35	74			
04GBSL114B		0.18	0.082	<0.2	0.52	<2	<10	20	<0.5	<2	0.30	<0.5	4	17	7			

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41												
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	
		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	
		0.01	10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
04GBSL81		4.73	10	0.08	0.04	10	0.50	3640	2	0.01	10	1700	12	0.07	3	1	
04GBSL82		4.24	10	0.11	0.05	10	0.68	1495	2	0.01	15	1640	10	0.05	3	3	
04GBSL83		4.23	10	0.14	0.06	10	0.57	1375	4	0.01	12	1550	11	0.09	2	1	
04GBSL84		4.12	10	0.07	0.05	10	0.53	1165	1	0.01	8	1560	8	0.03	<2	2	
04GBSL85		4.31	10	0.39	0.05	10	0.59	371	3	0.01	17	830	12	0.04	3	4	
04GBSL86		3.57	10	0.24	0.05	10	0.37	517	4	0.01	11	660	7	0.04	2	1	
04GBSL86D		3.61	10	0.21	0.05	10	0.38	523	4	0.01	12	660	8	0.03	2	1	
04GBSL87		4.46	10	0.07	0.05	10	0.59	438	2	0.01	16	740	9	0.02	3	3	
04GBSL88		4.05	10	0.20	0.08	10	0.71	590	3	0.01	17	1120	7	0.02	<2	5	
04GBSL89		5.05	10	0.13	0.08	10	0.78	711	3	0.01	20	1160	13	0.04	3	2	
04GBSL90		2.78	10	0.18	0.05	10	0.49	322	2	0.01	18	1460	5	0.07	2	<1	
04GBSL90B		2.48	<10	<0.01	0.03	<10	0.20	164	<1	0.02	7	370	<2	<0.01	<2	1	
04GBSL91		4.91	10	0.12	0.05	10	0.66	856	2	0.01	19	870	15	0.03	<2	4	
04GBSL91D		4.86	10	0.08	0.05	10	0.67	843	2	0.01	21	850	15	0.03	2	5	
04GBSL92		2.04	10	0.06	0.05	10	0.35	215	4	0.01	11	950	10	0.05	<2	<1	
04GBSL93		4.87	10	0.07	0.06	10	0.67	609	3	0.01	20	940	18	0.06	4	1	
04GBSL94		3.95	10	0.12	0.04	10	0.69	221	8	0.01	16	840	11	0.04	3	3	
04GBSL95		4.41	<10	0.04	0.08	40	0.48	2200	6	<0.01	10	2290	56	<0.01	<2	8	
04GBSL96		4.15	10	0.15	0.06	10	0.63	861	2	0.01	21	1040	25	0.02	2	3	
04GBSL97		4.86	10	0.09	0.06	10	0.34	1350	4	<0.01	10	1600	30	0.06	<2	<1	
04GBSL98		2.55	10	0.06	0.05	10	0.41	246	3	0.01	12	1240	18	0.06	2	<1	
04GBSL99		4.77	10	0.26	0.06	10	0.73	897	3	0.01	20	1040	17	0.05	<2	2	
04GBSL100		4.95	10	1.22	0.05	10	0.48	833	4	<0.01	18	930	14	0.06	3	1	
04GBSL101		4.85	10	1.08	0.05	10	0.64	743	3	0.01	30	860	12	0.04	3	2	
04GBSL102		5.25	10	1.22	0.07	10	0.83	1075	3	0.01	36	1050	15	0.06	2	3	
04GBSL103		5.17	10	0.06	0.11	20	1.27	1445	4	0.01	18	1490	22	0.01	<2	6	
04GBSL103D		4.44	10	0.10	0.07	10	0.88	1195	3	0.01	25	1080	18	0.02	<2	5	
04GBSL104		4.55	10	0.30	0.10	30	0.92	2190	3	0.01	32	1340	28	0.01	2	10	
04GBSL105		5.27	10	0.10	0.13	20	1.27	1145	5	0.01	42	1410	21	<0.01	2	8	
04GBSL106		5.20	10	0.06	0.09	20	1.12	1125	4	0.01	34	1240	22	<0.01	3	8	
04GBSL107		4.18	10	0.12	0.12	10	0.50	744	3	0.01	14	1620	8	0.03	<2	2	
04GBSL108		3.96	10	0.11	0.11	10	0.43	998	2	<0.01	14	1280	10	0.06	<2	<1	
04GBSL109		4.32	10	0.32	0.08	10	0.38	2090	3	0.01	18	1680	13	0.07	<2	<1	
04GBSL110		3.65	10	0.24	0.12	10	0.67	1125	2	0.01	17	1260	10	0.03	<2	4	
04GBSL111		4.56	10	0.08	0.08	10	0.65	821	3	0.01	33	1280	18	0.03	3	4	
04GBSL111D		4.53	10	0.13	0.08	10	0.63	683	3	0.01	29	1320	15	0.04	4	3	
04GBSL112		4.22	10	0.06	0.13	10	0.55	1600	4	0.01	23	1390	23	0.06	3	3	
04GBSL113		3.91	10	0.07	0.08	10	0.33	582	3	0.01	19	2040	8	0.13	3	1	
04GBSL114		4.69	10	0.06	0.10	10	0.93	1140	4	0.01	32	780	25	0.03	2	5	
04GBSL114B		2.51	<10	<0.01	0.03	<10	0.19	160	1	0.03	5	360	<2	<0.01	2	1	

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
	1	0.01	10	10	1	10	2	
04GBSL81		22	0.06	<10	<10	124	<10	56
04GBSL82		48	0.11	<10	<10	117	<10	73
04GBSL83		29	0.06	<10	<10	115	<10	71
04GBSL84		16	0.12	<10	<10	126	<10	67
04GBSL85		79	0.10	<10	<10	91	<10	75
04GBSL86		15	0.06	<10	<10	89	<10	64
04GBSL86D		18	0.06	<10	<10	90	<10	66
04GBSL87		13	0.10	<10	<10	119	<10	66
04GBSL88		25	0.14	<10	<10	97	<10	93
04GBSL89		30	0.09	<10	<10	109	<10	85
04GBSL90		38	0.01	<10	<10	68	<10	76
04GBSL90B		23	0.07	<10	<10	86	<10	17
04GBSL91		24	0.04	<10	<10	104	<10	82
04GBSL91D		24	0.04	<10	<10	104	<10	83
04GBSL92		37	0.01	<10	<10	61	<10	46
04GBSL93		16	0.02	<10	<10	99	<10	91
04GBSL94		19	0.02	<10	10	82	<10	72
04GBSL95		51	<0.01	<10	<10	62	<10	106
04GBSL96		14	0.02	<10	<10	84	<10	87
04GBSL97		12	0.01	<10	<10	83	<10	96
04GBSL98		19	0.02	<10	<10	66	<10	54
04GBSL99		18	0.03	<10	<10	99	<10	118
04GBSL100		15	0.03	<10	<10	104	<10	100
04GBSL101		15	0.03	<10	<10	100	<10	78
04GBSL102		18	0.03	<10	<10	113	<10	103
04GBSL103		68	0.02	<10	<10	67	<10	93
04GBSL103D		31	0.03	<10	<10	90	<10	87
04GBSL104		56	0.03	<10	<10	94	<10	120
04GBSL105		276	0.04	<10	<10	99	<10	182
04GBSL106		215	0.04	<10	<10	93	<10	144
04GBSL107		16	0.01	<10	<10	95	<10	84
04GBSL108		16	0.01	<10	<10	83	<10	88
04GBSL109		20	<0.01	<10	<10	93	<10	72
04GBSL110		88	0.01	<10	<10	76	<10	66
04GBSL111		31	0.01	<10	<10	72	<10	82
04GBSL111D		34	0.02	<10	<10	74	<10	79
04GBSL112		61	0.01	<10	<10	74	<10	83
04GBSL113		22	0.01	<10	<10	62	<10	68
04GBSL114		30	0.02	<10	<10	94	<10	94
04GBSL114B		21	0.06	<10	<10	84	<10	18

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23	ME-ICP41												
		Recvd Wt.	Au	Au Check	Au	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	
		kg	ppm	ppm	ppm	%	ppm										
04GBSL115		0.34	0.005		<0.2	2.56	11	<10	140	0.9	2	0.77	<0.5	14	88	35	
04GBSL115D		0.28	0.005		<0.2	2.62	13	<10	140	1.0	<2	0.74	<0.5	16	96	38	
04GBSL116		0.50	0.006		<0.2	2.68	16	<10	110	0.8	<2	0.37	<0.5	17	73	60	
04GBSL117		0.42	<0.005		0.2	2.90	25	<10	160	0.7	<2	0.12	<0.5	14	38	47	
04GBSL118		0.30	<0.005		0.2	2.21	10	<10	130	0.6	2	0.30	<0.5	8	38	28	
04GBSL119		0.44	<0.005		<0.2	3.57	16	<10	120	0.8	<2	0.33	<0.5	18	29	82	
04GBSL120		0.44	<0.005		<0.2	3.15	26	<10	150	0.8	<2	0.10	<0.5	14	43	54	
04GBSL121		0.26	<0.005		<0.2	1.70	11	<10	110	<0.5	<2	0.12	<0.5	7	22	32	
04GBSL122		0.32	<0.005		<0.2	2.14	14	<10	200	0.5	<2	0.22	<0.5	10	32	34	
04GBSL123		0.32	<0.005		0.3	2.20	14	<10	180	0.6	<2	1.06	<0.5	7	26	33	
04GBSL124		0.40	0.005		0.3	3.40	21	<10	230	1.1	<2	0.78	<0.5	11	39	55	
04GBSL125		0.38	0.009		0.4	3.70	27	<10	180	1.1	<2	0.32	<0.5	17	42	87	
04GBSL126		0.36	0.005		0.2	2.55	18	<10	100	0.6	<2	0.13	<0.5	7	25	33	
04GBSL127		0.60	0.009		0.3	2.99	26	<10	180	1.0	<2	0.40	<0.5	14	35	69	
04GBSL127D		0.50	0.007		0.2	2.92	24	<10	180	0.9	<2	0.37	<0.5	14	34	61	
04GBSL128		0.44	0.010		<0.2	3.23	25	<10	90	0.7	2	0.13	<0.5	16	39	65	
04GBSL129		0.24	0.005		0.2	2.22	11	<10	90	0.5	2	0.17	<0.5	9	40	43	
04GBSL130		0.34	<0.005		0.2	2.91	18	<10	180	0.8	<2	0.79	<0.5	10	30	50	
04GBSL131		0.32	<0.005		<0.2	2.83	15	<10	160	0.7	2	0.27	<0.5	16	50	40	
04GBSL132		0.32	0.006		0.2	2.10	27	<10	90	<0.5	<2	0.12	<0.5	11	31	42	
04GBSL133		0.24	<0.005		<0.2	1.98	13	<10	200	0.7	<2	0.11	<0.5	58	37	36	
04GBSL134		0.44	0.006		<0.2	2.59	16	<10	70	0.5	<2	0.04	<0.5	10	32	39	
04GBSL135		0.36	<0.005		<0.2	1.92	11	<10	120	0.6	2	0.09	<0.5	13	29	33	
04GBSL135B		0.20	<0.005		<0.2	0.55	<2	<10	20	<0.5	<2	0.34	<0.5	4	19	7	
04GBSL136		0.50	0.051		<0.2	3.94	13	<10	100	0.6	<2	1.14	<0.5	23	13	194	
04GBSL136D		0.54	0.057		<0.2	4.10	14	<10	100	0.6	<2	1.20	<0.5	22	13	196	
04GBSL137		0.54	0.061		0.4	3.48	23	<10	360	1.1	<2	0.63	<0.5	50	55	194	
04GBSL138		0.56	0.031		0.3	3.88	17	<10	210	0.7	<2	0.89	<0.5	24	10	199	
04GBSL139		0.44	0.016		<0.2	2.10	4	<10	270	<0.5	<2	0.21	<0.5	5	70	72	
04GBSL140		0.46	0.031		0.2	3.30	14	<10	120	0.5	<2	0.44	<0.5	9	45	120	
04GBSL141		0.54	0.110		0.8	6.66	116	<10	170	0.9	4	1.66	<0.5	15	19	104	
04GBSL142		0.52	0.015		<0.2	3.42	35	<10	180	1.0	2	0.39	<0.5	24	45	67	
04GBSL142A		0.30	0.009		<0.2	3.33	18	<10	120	1.1	<2	0.24	<0.5	20	35	51	
04GBSL143		0.42	0.097		<0.2	2.60	41	<10	260	0.9	<2	0.58	<0.5	17	40	46	
04GBSL144		0.44	<0.005		<0.2	3.36	58	<10	150	1.4	2	0.37	<0.5	18	55	39	
04GBSL145		0.68	0.008		<0.2	3.56	139	<10	340	1.4	2	0.67	<0.5	31	78	54	
04GBSL146		0.34	0.009		<0.2	1.92	18	<10	140	0.5	2	0.09	<0.5	8	35	32	
04GBSL147		0.56	0.005		0.2	2.66	40	<10	130	0.7	<2	0.30	<0.5	17	37	42	
04GBSL148		0.40	0.025		<0.2	4.44	35	<10	110	1.3	4	0.74	<0.5	35	184	48	
04GBSL148D		0.44	0.025		<0.2	4.68	30	<10	110	1.3	5	0.76	<0.5	37	192	51	

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method	ME-ICP41	ME-ICP41	ME-CV41	ME-ICP41													
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc		
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm		
LOR	0.01	10	0.01	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1		
04GBSL115		5.31	10	0.08	0.08	10	0.82	1900	3	0.01	45	1870	12	0.07	<2	10		
04GBSL115D		5.44	10	0.10	0.09	20	0.89	2030	3	0.01	50	2010	13	0.07	3	12		
04GBSL116		5.05	10	0.07	0.11	10	1.18	821	3	0.01	51	1240	14	0.02	3	11		
04GBSL117		4.74	10	0.10	0.07	10	0.80	654	3	0.01	26	700	15	0.03	2	4		
04GBSL118		4.06	10	0.41	0.07	10	0.39	1410	3	0.01	15	3880	12	0.23	3	1		
04GBSL119		5.26	10	0.42	0.05	10	0.78	811	3	0.01	27	810	10	0.05	3	8		
04GBSL120		4.92	10	0.23	0.08	10	0.90	653	4	0.01	33	630	15	0.01	4	6		
04GBSL121		3.19	10	0.13	0.06	10	0.33	334	3	0.01	11	1540	8	0.06	4	<1		
04GBSL122		4.58	10	0.20	0.08	10	0.46	1405	6	0.01	16	1420	13	0.09	4	1		
04GBSL123		3.51	10	0.27	0.06	10	0.54	397	7	0.02	16	1610	17	0.12	3	3		
04GBSL124		4.59	10	0.32	0.09	20	0.68	515	5	0.02	29	1620	15	0.08	3	3		
04GBSL125		5.11	10	0.64	0.09	30	0.89	737	7	0.01	42	970	15	0.06	5	8		
04GBSL126		3.25	10	0.24	0.07	10	0.54	466	4	0.01	16	1020	11	0.08	2	2		
04GBSL127		4.50	10	3.76	0.09	20	0.87	899	5	0.02	30	1120	15	0.02	3	6		
04GBSL127D		4.34	10	2.05	0.09	20	0.83	902	5	0.01	29	1080	14	0.03	2	5		
04GBSL128		4.38	10	0.83	0.07	10	0.83	810	4	0.01	32	940	14	0.04	3	4		
04GBSL129		5.32	10	0.26	0.04	10	0.53	787	4	0.01	13	1780	14	0.12	<2	2		
04GBSL130		3.76	10	0.27	0.04	10	0.61	373	4	0.01	20	1050	10	0.07	3	3		
04GBSL131		10.90	20	0.10	0.06	10	0.75	2620	6	0.02	17	5000	19	0.06	2	4		
04GBSL132		5.33	10	0.11	0.09	10	0.64	991	4	0.01	19	1080	14	0.02	4	3		
04GBSL133		5.29	10	0.10	0.07	10	0.38	9980	4	0.01	14	2970	27	0.07	2	1		
04GBSL134		3.82	10	0.12	0.09	10	0.57	529	4	0.01	19	1130	14	0.04	2	1		
04GBSL135		4.48	10	0.06	0.13	10	0.52	978	3	0.01	25	1880	17	0.03	2	2		
04GBSL135B		2.79	<10	<0.01	0.03	<10	0.20	172	1	0.03	6	420	<2	<0.01	2	1		
04GBSL136		11.20	10	0.01	0.12	10	0.71	888	31	0.03	13	1860	27	0.35	3	7		
04GBSL136D		11.20	10	0.02	0.13	10	0.72	882	30	0.03	12	1970	28	0.35	2	7		
04GBSL137		8.54	10	0.02	0.19	20	1.10	1755	20	0.01	57	2240	32	0.08	3	12		
04GBSL138		5.90	10	0.03	0.11	10	0.79	1065	15	0.03	11	1640	29	0.07	2	5		
04GBSL139		5.45	10	0.01	0.55	<10	1.44	409	9	0.03	12	1210	6	0.24	<2	15		
04GBSL140		9.91	10	0.02	0.24	10	1.24	470	15	0.04	17	2170	19	0.35	<2	13		
04GBSL141		20.4	20	0.02	0.11	10	0.76	665	20	0.03	19	2910	89	0.70	3	7		
04GBSL142		6.16	10	0.06	0.07	20	1.02	1030	3	0.01	42	1350	48	0.06	2	6		
04GBSL142A		4.25	10	0.10	0.05	10	0.65	1135	2	0.01	33	1660	27	0.14	2	2		
04GBSL143		4.43	10	0.05	0.08	10	0.98	1000	1	0.01	42	1050	26	0.04	3	7		
04GBSL144		4.69	10	0.05	0.08	20	0.98	731	3	0.01	57	1440	22	0.09	<2	5		
04GBSL145		5.68	10	0.04	0.10	20	1.41	1530	2	0.01	89	1390	33	0.04	5	9		
04GBSL146		3.12	10	0.06	0.06	10	0.34	610	2	<0.01	19	1260	11	0.07	2	1		
04GBSL147		4.95	10	0.04	0.08	10	0.87	1100	2	0.01	29	1320	27	0.02	3	5		
04GBSL148		11.85	10	0.02	0.06	<10	2.03	1645	3	0.01	77	1740	38	0.11	6	13		
04GBSL148D		12.05	10	0.02	0.06	<10	2.12	1700	3	0.01	80	1800	42	0.12	5	14		

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte Units LOR	Sr ppm 1	Tl % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
04GBSL115		31	<0.01	<10	<10	69	<10	82
04GBSL115D		31	<0.01	<10	<10	70	<10	92
04GBSL116		23	0.02	<10	<10	88	<10	92
04GBSL117		14	0.02	<10	<10	86	<10	72
04GBSL118		40	0.01	<10	<10	88	<10	70
04GBSL119		34	0.09	<10	<10	141	<10	75
04GBSL120		12	0.03	<10	<10	104	<10	88
04GBSL121		23	0.02	<10	<10	90	<10	53
04GBSL122		39	0.02	<10	<10	103	<10	85
04GBSL123		353	0.02	<10	<10	79	<10	75
04GBSL124		122	0.02	<10	<10	100	<10	99
04GBSL125		39	0.04	<10	<10	100	<10	133
04GBSL126		16	0.03	<10	<10	74	<10	74
04GBSL127		49	0.04	<10	<10	99	<10	117
04GBSL127D		49	0.04	<10	<10	95	<10	110
04GBSL128		16	0.05	<10	<10	102	<10	94
04GBSL129		27	0.11	<10	<10	188	<10	47
04GBSL130		55	0.01	<10	<10	95	<10	57
04GBSL131		30	0.16	<10	<10	308	<10	102
04GBSL132		16	0.05	<10	<10	145	<10	84
04GBSL133		22	0.05	<10	<10	123	<10	75
04GBSL134		10	0.01	<10	<10	68	<10	78
04GBSL135		8	<0.01	<10	<10	55	<10	101
04GBSL135B		23	0.07	<10	<10	93	<10	19
04GBSL136		329	0.08	<10	<10	96	<10	73
04GBSL136D		335	0.08	<10	<10	99	<10	73
04GBSL137		102	0.05	<10	<10	119	<10	134
04GBSL138		263	0.10	<10	<10	68	<10	91
04GBSL139		49	0.34	<10	<10	183	<10	55
04GBSL140		118	0.24	<10	<10	179	<10	83
04GBSL141		330	0.11	<10	<10	97	<10	128
04GBSL142		96	0.06	<10	<10	95	<10	118
04GBSL142A		80	0.03	<10	<10	65	<10	93
04GBSL143		70	0.02	<10	<10	79	<10	81
04GBSL144		44	0.01	<10	<10	77	<10	102
04GBSL145		100	0.03	<10	<10	80	<10	122
04GBSL146		18	0.01	<10	<10	65	<10	59
04GBSL147		43	0.04	<10	<10	80	<10	104
04GBSL148		211	0.10	<10	<10	89	<10	112
04GBSL148D		217	0.11	<10	<10	93	<10	116

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method	WEI-21	Au-AA23	Au-AA23	ME-ICP41											
	Analyte	Recvd Wt.	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.005	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
04GBSL149		0.62	0.044		0.6	5.34	57	<10	270	1.2	3	1.24	<0.5	29	49	66
04GBSL150		0.44	0.031		<0.2	7.50	57	<10	190	1.2	5	2.38	<0.5	41	57	51
04GBSL151		0.48	0.015		<0.2	5.09	29	<10	180	0.8	3	1.94	<0.5	24	8	35
04GBSL152	Not Recvd	0.62	0.017		0.2	2.54	33	<10	320	1.0	<2	0.82	<0.5	18	7	48
04GBSL154	Not Recvd															
04GBSL155		0.46	<0.005		<0.2	2.30	28	<10	200	1.1	<2	0.68	<0.5	12	62	32
04GBSL156		0.68	0.021		<0.2	2.17	22	<10	250	0.6	<2	0.51	<0.5	11	12	22
04GBSL157		0.52	0.005		<0.2	2.77	31	<10	420	0.9	2	0.91	<0.5	9	13	33
04GBSL158		0.52	<0.005		<0.2	1.74	35	<10	230	0.7	2	0.44	0.5	16	7	30
04GBSL159		0.48	<0.005		<0.2	2.72	37	<10	250	0.8	<2	0.29	<0.5	16	23	42
04GBSL160		0.50	<0.005		<0.2	2.67	25	<10	160	0.8	<2	0.29	<0.5	15	32	58
04GBSL160B		0.28	0.309	<0.005	<0.2	0.49	<2	<10	20	<0.5	<2	0.30	<0.5	5	20	7
04GBSL160D		0.58	0.005	0.027	<0.2	2.64	28	<10	160	0.8	<2	0.30	<0.5	15	32	56

Comments: sample 04GBSL160B shows erratic Au due to sample type



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	Hg-CV41	ME-ICP41											
		Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	%	ppm	ppm	%	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	0.01	10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
04GBSL149		8.43	10	0.04	0.11	10	1.08	1555	8	0.02	41	2290	138	0.13	<2	9
04GBSL150		8.20	10	0.02	0.11	10	1.06	1765	10	0.02	58	2150	62	0.12	<2	9
04GBSL151		6.88	10	0.03	0.09	10	0.81	1490	18	0.02	7	1780	53	0.11	3	5
04GBSL152																
04GBSL153		4.90	10	0.04	0.13	20	0.76	1495	14	0.02	11	1480	122	0.12	<2	3
04GBSL154																
04GBSL155		4.26	10	0.05	0.09	20	1.16	808	2	0.01	28	1590	37	0.08	2	9
04GBSL156		3.99	10	0.03	0.08	20	0.88	609	1	0.01	10	820	33	0.02	<2	4
04GBSL157		3.77	10	0.05	0.11	20	0.79	692	2	0.01	11	1410	35	0.04	2	5
04GBSL158		4.25	<10	0.05	0.07	10	0.63	984	4	<0.01	8	1300	57	0.02	<2	5
04GBSL159		4.20	10	0.05	0.08	20	0.86	1205	3	<0.01	17	1530	38	0.02	2	3
04GBSL160		4.45	10	0.11	0.08	10	0.94	889	2	0.01	30	1400	16	0.02	2	4
04GBSL160B		2.71	<10	<0.01	0.03	<10	0.20	164	<1	0.02	7	420	<2	<0.01	<2	1
04GBSL160D		4.49	10	0.09	0.09	10	0.95	880	2	0.01	29	1420	15	0.02	<2	4

Comments: sample 04GBSL160B shows erratic Au due to sample type



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Page: 6 - C

Total # Pages: 6 (A - C)

Finalized Date: 6-AUG-2004

Account: EIA

Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04045074

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Tl %	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
04GBSL149		315	0.07	<10	<10	72	<10	186
04GBSL150		406	0.06	<10	<10	70	<10	138
04GBSL151		392	0.02	<10	<10	46	<10	102
04GBSL152								
04GBSL153		292	0.03	<10	<10	33	<10	144
04GBSL154								
04GBSL155		87	0.01	<10	<10	76	<10	105
04GBSL156		170	0.01	<10	<10	50	<10	89
04GBSL157		182	0.01	<10	<10	54	<10	84
04GBSL158		78	<0.01	<10	<10	41	<10	100
04GBSL159		72	0.02	<10	<10	76	<10	99
04GBSL160		142	0.03	<10	<10	89	<10	126
04GBSL160B		23	0.07	<10	<10	97	<10	18
04GBSL160D		138	0.03	<10	<10	91	<10	122

Comments: sample 04GBSL160B shows erratic Au due to sample type



ALS Chemex
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Page: 1
Finalized Date: 9-AUG-2004
Account: EIA

CERTIFICATE VA04047618

Project: Sutlahine
P.O. No.: RFM04-21

This report is for 139 Soil samples submitted to our lab in Vancouver, BC, Canada on
24-JUL-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
DOROTHY M

HENRY AWMACK

MURRAY JONES

SAMPLE PREPARATION

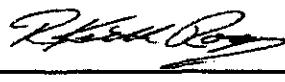
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS

To: EQUITY ENGINEERING LTD.
ATTN: MURRAY JONES
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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: 



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recd Wt. kg	As ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	
04GBSL161		0.30	<0.005	0.2	1.82	45	<10	60	<0.5	<2	0.11	<0.5	6	26	35	2.54	
04GBSL161D		0.24	<0.005	0.2	1.71	40	<10	50	<0.5	<2	0.10	<0.5	5	25	32	2.20	
04GBSL162		0.42	<0.005	1.3	3.27	183	<10	70	0.5	<2	0.03	<0.5	15	75	42	8.10	
04GBSL163		0.52	0.011	0.2	2.66	70	<10	50	0.6	<2	0.07	<0.5	18	49	59	4.46	
04GBSL164		0.36	0.005	<0.2	3.61	44	<10	60	0.9	<2	0.08	<0.5	11	43	58	4.70	
04GBSL165		0.36	0.010	1.0	3.43	69	<10	70	0.6	<2	0.06	<0.5	21	68	72	6.64	
04GBSL166		0.36	0.014	0.8	2.83	80	<10	60	0.6	<2	0.05	<0.5	13	53	59	4.73	
04GBSL167		0.38	0.009	0.8	2.00	88	<10	90	0.5	<2	0.03	<0.5	13	31	43	4.30	
04GBSL168		0.44	0.081	2.2	2.17	817	<10	80	1.2	<2	0.15	<0.5	61	36	127	6.06	
04GBSL169		0.56	0.059	1.9	2.09	749	<10	70	1.2	<2	0.35	1.0	67	39	150	5.28	
04GBSL170		0.48	0.180	2.4	1.76	843	<10	110	1.2	<2	0.38	0.6	33	31	123	4.99	
04GBSL171		0.44	0.124	1.6	1.90	1010	<10	80	1.1	<2	0.26	<0.5	30	39	100	5.22	
04GBSL172		0.52	0.050	1.3	2.03	402	<10	140	1.0	<2	0.51	<0.5	34	46	114	5.44	
04GBSL173		0.40	0.029	0.3	2.08	339	<10	90	0.8	<2	0.30	<0.5	15	36	43	4.34	
04GBSL173D		0.38	0.020	0.4	2.06	366	<10	90	0.8	<2	0.27	<0.5	14	36	41	4.41	
04GBSL174		0.28	0.015	0.5	2.12	253	<10	180	0.6	<2	0.33	<0.5	23	33	47	4.55	
04GBSL175		0.28	<0.005	0.3	1.78	71	<10	80	<0.5	<2	0.05	<0.5	6	26	30	4.01	
04GBSL176		0.44	0.007	0.4	2.26	32	<10	60	0.8	<2	0.53	<0.5	26	68	132	5.59	
04GBSL177		0.44	0.010	0.4	2.41	46	<10	70	0.9	<2	0.57	<0.5	26	64	112	6.21	
04GBSL178		0.50	0.030	0.7	2.46	44	<10	60	0.8	<2	0.65	<0.5	22	69	139	5.49	
04GBSL179		0.40	0.025	0.5	2.62	125	<10	60	1.0	<2	0.64	<0.5	28	78	152	6.06	
04GBSL180		0.40	0.070	2.8	2.33	659	<10	80	1.1	<2	0.75	<0.5	43	56	88	6.05	
04GBSL181		0.42	0.019	1.0	2.31	334	<10	80	1.0	<2	1.36	<0.5	36	68	111	5.48	
04GBSL182		0.40	0.170	1.8	2.91	316	<10	70	1.1	<2	0.37	<0.5	33	77	112	7.14	
04GBSL183		0.22	<0.005	0.5	0.98	118	<10	50	<0.5	<2	0.25	<0.5	34	32	37	3.99	
04GBSL184		0.18	0.245	0.3	1.28	46	<10	50	<0.5	<2	0.14	<0.5	10	33	35	3.49	
04GBSL185		0.40	NSS	0.8	2.56	222	<10	100	1.0	<2	0.55	<0.5	21	54	87	5.16	
04GBSL185D		0.44	0.012	0.8	2.52	215	<10	90	0.9	<2	0.57	<0.5	21	53	83	5.16	
04GBSL186		0.32	0.033	0.7	1.94	152	<10	80	0.7	<2	0.36	1.5	17	46	75	4.81	
04GBSL187		0.34	0.020	1.3	1.66	95	<10	60	0.5	<2	0.42	<0.5	7	37	54	2.71	
04GBSL188		0.46	0.088	4.8	2.45	484	<10	90	1.4	<2	0.38	1.8	46	55	287	9.26	
04GBSL189		0.32	0.031	2.0	1.50	125	<10	110	0.8	<2	2.62	1.8	24	27	116	3.97	
04GBSL190		0.32	0.007	0.3	2.36	148	<10	50	<0.5	<2	0.04	<0.5	6	45	54	10.30	
04GBSL191		0.28	0.005	0.2	1.84	94	<10	50	<0.5	<2	0.04	<0.5	7	31	39	6.67	
04GBSL192		0.22	0.007	0.3	2.07	62	<10	80	0.6	<2	0.14	<0.5	9	30	48	4.04	
04GBSL193		0.40	<0.005	0.5	1.84	97	<10	50	<0.5	<2	0.04	<0.5	6	31	31	6.73	
04GBSL194		0.42	0.006	1.2	1.67	27	<10	90	<0.5	<2	0.04	<0.5	2	21	26	1.15	
04GBSL194B		0.12	<0.005	<0.2	0.50	<2	<10	20	<0.5	<2	0.30	<0.5	4	18	7	2.59	
04GBSL195		0.40	<0.005	<0.2	2.27	62	<10	80	0.5	<2	0.28	<0.5	8	33	45	4.79	
04GBSL195D		0.40	<0.005	<0.2	1.96	47	<10	80	<0.5	<2	0.31	<0.5	7	29	36	4.05	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sc	Sr
		ppm	ppm	%	ppm												
10	0.01	0.01	10	0.43	320	2	<0.01	12	1240	11	0.07	<2	<1	15	<1	15	
04GBSL161		10	0.09	0.05	10	0.39	267	2	<0.01	11	1180	9	0.07	<2	<1	14	
04GBSL161D		10	0.09	0.05	10	0.63	984	4	<0.01	22	2070	23	0.05	2	3	6	
04GBSL162		10	0.14	0.06	10	0.90	1015	2	<0.01	26	1300	18	0.04	3	2	10	
04GBSL163		10	0.08	0.07	10	0.85	497	3	<0.01	28	770	13	0.05	2	3	14	
04GBSL164		10	0.10	0.06	10	0.85	497	3	<0.01	28	770	13	0.05	2	3	14	
04GBSL165		10	0.15	0.06	10	1.02	1365	3	<0.01	31	1680	22	0.06	6	3	8	
04GBSL166		10	0.14	0.06	10	0.85	745	3	<0.01	26	1220	15	0.05	3	3	7	
04GBSL167		10	0.10	0.07	10	0.34	1480	3	<0.01	12	1380	24	0.04	6	1	8	
04GBSL168		10	0.10	0.12	20	1.07	2540	4	<0.01	51	1740	51	0.08	22	7	33	
04GBSL169		10	0.07	0.12	20	1.32	3340	5	<0.01	80	1450	54	0.02	18	7	13	
04GBSL170		10	0.11	0.11	20	1.16	2480	4	<0.01	49	1340	44	0.06	14	6	28	
04GBSL171		10	0.06	0.08	20	1.25	1755	3	<0.01	36	1200	32	0.02	14	6	11	
04GBSL172		10	0.09	0.12	20	1.41	1615	3	<0.01	49	1200	28	0.12	14	8	26	
04GBSL173		10	0.07	0.07	20	0.71	1470	3	<0.01	19	1260	31	0.06	3	3	14	
04GBSL173D		10	0.07	0.07	10	0.67	1405	3	<0.01	17	1200	29	0.05	5	3	12	
04GBSL174		10	0.09	0.09	10	0.52	4560	2	<0.01	20	1240	26	0.04	3	3	21	
04GBSL175		10	0.05	0.06	10	0.36	472	2	<0.01	11	790	15	0.03	3	1	12	
04GBSL176		10	0.08	0.12	20	1.74	966	3	<0.01	57	1290	22	0.02	4	11	24	
04GBSL177		10	0.07	0.09	20	1.40	1300	3	<0.01	52	1080	20	0.05	<2	7	25	
04GBSL178		10	0.10	0.10	20	1.68	890	3	<0.01	61	1180	17	0.04	5	10	32	
04GBSL179		10	0.17	0.08	30	1.48	2340	2	<0.01	33	1380	19	0.08	3	15	31	
04GBSL180		10	0.10	0.08	10	0.94	3480	2	<0.01	27	3370	172	0.18	8	4	48	
04GBSL181		10	0.14	0.05	20	0.98	3100	3	<0.01	31	2370	42	0.17	4	9	61	
04GBSL182		10	0.09	0.06	10	0.99	3170	5	<0.01	31	1960	61	0.11	7	8	28	
04GBSL183		<10	0.10	0.09	10	0.27	2860	2	<0.01	11	1870	30	0.13	2	1	16	
04GBSL184		10	0.08	0.04	10	0.33	639	2	<0.01	12	1080	15	0.06	<2	1	12	
04GBSL185		10	0.08	0.08	10	1.12	1550	2	<0.01	31	1200	24	0.06	3	5	30	
04GBSL185D		10	0.06	0.07	10	1.07	1565	2	<0.01	29	1200	25	0.06	4	4	30	
04GBSL186		10	0.12	0.06	10	0.76	1410	2	<0.01	25	1250	22	0.08	2	2	21	
04GBSL187		10	0.12	0.05	10	0.48	608	1	<0.01	13	1430	21	0.10	3	1	24	
04GBSL188		10	0.24	0.11	20	1.70	4630	5	<0.01	93	1540	55	0.04	16	15	18	
04GBSL189		<10	0.24	0.07	20	0.50	6080	2	<0.01	23	2880	40	0.22	5	6	106	
04GBSL190		10	0.07	0.04	10	0.49	316	4	<0.01	14	1010	45	0.03	2	5	6	
04GBSL191		20	0.09	0.04	10	0.33	231	8	<0.01	11	580	26	0.03	3	3	7	
04GBSL192		10	0.10	0.06	10	0.58	1210	3	<0.01	16	1920	34	0.12	2	2	12	
04GBSL193		10	0.11	0.05	10	0.28	653	5	<0.01	9	1760	34	0.05	3	1	6	
04GBSL194		10	0.08	0.06	10	0.20	77	2	<0.01	7	980	13	0.04	<2	<1	11	
04GBSL194B		<10	<0.01	0.03	<10	0.20	166	<1	<0.01	6	360	4	<0.01	<2	1	21	
04GBSL195		10	0.07	0.06	10	0.50	661	6	<0.01	15	1570	11	0.09	2	1	23	
04GBSL195D		10	0.07	0.06	10	0.41	598	5	<0.01	12	1570	11	0.10	2	<1	25	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
04GBSL161		0.01	<10	<10	66	<10	52
04GBSL161D		0.01	<10	<10	62	<10	46
04GBSL162		0.02	<10	<10	166	<10	98
04GBSL163		0.04	<10	<10	100	<10	96
04GBSL164		0.04	<10	<10	91	<10	106
04GBSL165		0.03	<10	<10	104	<10	82
04GBSL166		0.01	<10	<10	87	<10	69
04GBSL167		0.02	<10	<10	89	<10	80
04GBSL168		0.02	<10	<10	68	<10	144
04GBSL169		0.02	<10	<10	65	<10	158
04GBSL170		0.01	<10	<10	57	<10	143
04GBSL171		0.01	<10	<10	72	<10	113
04GBSL172		0.01	<10	<10	80	<10	122
04GBSL173		0.02	<10	<10	90	<10	83
04GBSL173D		0.02	<10	<10	92	<10	77
04GBSL174		0.02	<10	<10	118	<10	108
04GBSL175		0.03	<10	<10	117	<10	53
04GBSL176		0.05	<10	<10	104	<10	122
04GBSL177		0.10	<10	<10	108	<10	113
04GBSL178		0.06	<10	<10	100	<10	122
04GBSL179		0.04	<10	<10	175	<10	92
04GBSL180		0.02	<10	<10	130	<10	145
04GBSL181		0.04	<10	<10	146	<10	94
04GBSL182		0.05	<10	<10	188	<10	166
04GBSL183		0.01	<10	<10	119	<10	51
04GBSL184		0.02	<10	<10	97	<10	45
04GBSL185		0.03	<10	<10	123	<10	108
04GBSL185D		0.03	<10	<10	120	<10	100
04GBSL186		0.02	<10	<10	120	<10	114
04GBSL187		0.01	<10	<10	83	<10	50
04GBSL188		0.01	<10	<10	99	<10	255
04GBSL189		0.01	<10	<10	76	<10	119
04GBSL190		0.06	<10	<10	175	<10	64
04GBSL191		0.05	<10	<10	224	<10	45
04GBSL192		0.01	<10	<10	76	<10	77
04GBSL193		0.02	<10	<10	124	<10	41
04GBSL194		<0.01	<10	<10	43	<10	34
04GBSL194B		0.07	<10	<10	89	<10	18
04GBSL195		0.02	<10	<10	108	<10	83
04GBSL195D		0.02	<10	<10	94	<10	73

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41													
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	%
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
04GBSL196		0.40	<0.005	0.2	0.99	21	<10	50	<0.5	<2	0.15	<0.5	4	17	18	1.69	
04GBSL197		0.54	0.007	0.2	2.41	124	<10	70	1.0	<2	0.70	<0.5	16	44	119	4.79	
04GBSL198		0.42	0.005	<0.2	2.66	39	<10	140	0.7	<2	0.19	1.1	14	41	80	4.81	
04GBSL199		0.44	<0.005	0.3	3.42	35	<10	70	0.7	<2	0.11	0.5	9	31	43	4.42	
04GBSL200		0.44	<0.005	0.2	2.79	24	<10	60	<0.5	<2	0.05	<0.5	9	30	51	4.62	
04GBSL201		0.46	<0.005	0.4	3.03	24	<10	110	1.1	<2	0.47	0.5	22	34	49	4.20	
04GBSL202		0.46	<0.005	0.3	3.07	21	<10	60	0.5	<2	0.07	<0.5	8	31	62	4.06	
04GBSL203		0.50	<0.005	<0.2	3.10	26	<10	80	0.6	<2	0.10	<0.5	18	35	71	4.39	
04GBSL204		0.36	<0.005	0.2	2.54	23	<10	70	<0.5	<2	0.04	<0.5	6	26	36	4.48	
04GBSL205		0.44	<0.005	<0.2	3.26	30	<10	150	0.7	<2	0.06	<0.5	14	33	56	6.14	
04GBSL206		0.48	<0.005	0.2	2.68	27	<10	200	0.7	<2	0.12	1.1	19	31	68	5.30	
04GBSL207		0.38	<0.005	0.2	1.96	40	<10	100	0.6	<2	0.79	1.2	10	36	33	4.42	
04GBSL207D		0.34	<0.005	<0.2	2.14	48	<10	90	0.7	<2	0.80	0.8	10	38	37	4.55	
04GBSL208		0.34	<0.005	0.2	2.93	34	<10	100	0.8	<2	0.06	<0.5	11	33	42	5.21	
04GBSL209		0.44	0.052	<0.2	2.59	63	<10	220	1.5	<2	0.16	0.5	26	33	44	5.75	
04GBSL210		0.42	0.005	0.2	2.64	40	<10	120	0.9	<2	0.19	<0.5	34	52	73	6.30	
04GBSL211		0.38	<0.005	0.2	2.40	28	<10	150	0.6	<2	0.21	<0.5	16	47	60	5.11	
04GBSL212		0.48	0.006	0.2	2.61	48	<10	130	1.2	<2	0.47	0.6	38	44	76	6.46	
04GBSL213		Not Recvd															
04GBSL214		0.36	<0.005	<0.2	2.54	57	<10	120	0.9	<2	0.15	<0.5	26	46	80	5.99	
04GBSL215		0.32	<0.005	0.2	1.77	42	<10	80	0.5	<2	0.09	<0.5	10	28	52	4.17	
04GBSL216		0.36	<0.005	0.2	2.71	33	<10	110	1.0	<2	0.35	<0.5	11	33	32	4.07	
04GBSL217		0.46	<0.005	0.6	2.45	19	<10	160	0.9	<2	0.09	<0.5	22	33	79	4.66	
04GBSL217B		0.14	<0.005	<0.2	0.48	2	<10	20	<0.5	<2	0.29	<0.5	4	16	6	2.24	
04BMSL43		0.24	0.008	0.3	2.43	22	<10	90	0.5	<2	0.09	<0.5	8	27	56	3.27	
04BMSL43D		0.30	<0.005	0.3	2.42	27	<10	100	0.5	<2	0.09	<0.5	10	27	56	3.37	
04BMSL44		0.36	<0.005	0.5	2.26	33	<10	110	0.8	<2	0.33	<0.5	7	25	44	3.38	
04BMSL45		0.48	<0.005	0.3	2.13	18	<10	110	0.8	<2	0.54	<0.5	8	34	59	3.52	
04BMSL46		0.26	<0.005	0.4	2.03	40	<10	100	<0.5	<2	0.10	<0.5	9	29	37	2.67	
04BMSL47		0.28	<0.005	0.2	1.94	43	<10	80	0.9	<2	0.43	<0.5	34	32	83	4.33	
04BMSL48		0.42	0.009	0.2	2.45	44	<10	110	0.8	<2	0.26	<0.5	21	31	89	4.89	
04BMSL49		0.34	0.013	0.2	2.04	157	<10	80	0.8	<2	0.38	<0.5	24	39	83	4.30	
04BMSL50		0.32	0.014	0.2	2.45	164	<10	100	0.8	<2	0.25	<0.5	18	37	68	4.40	
04BMSL51		0.34	0.006	0.3	2.03	260	<10	70	0.6	<2	0.18	<0.5	14	40	52	4.26	
04BMSL52		0.50	0.073	0.7	2.53	717	<10	70	0.9	2	0.50	<0.5	34	66	136	5.88	
04BMSL53		0.44	0.020	0.2	1.84	170	<10	70	0.6	<2	0.43	<0.5	18	32	60	3.75	
04BMSL54		0.52	<0.005	<0.2	2.28	66	<10	110	0.7	<2	0.32	<0.5	19	32	65	4.01	
04BMSL55		0.38	0.008	<0.2	1.90	51	<10	80	0.7	<2	0.46	<0.5	22	35	55	3.85	
04BMSL56		0.40	<0.005	0.3	2.22	46	<10	120	0.7	<2	0.32	<0.5	16	29	55	3.68	
04BMSL56D		0.38	<0.005	0.3	2.15	44	<10	110	0.7	<2	0.31	<0.5	15	28	51	3.57	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	1
04GBSL196		<10	0.07	0.06	10	0.14	424	2	<0.01	5	1390	9	0.09	2	<1	20	
04GBSL197		10	0.16	0.07	30	1.10	753	5	<0.01	53	1450	14	0.10	8	14	69	
04GBSL198		10	0.08	0.06	10	0.77	780	6	<0.01	36	1480	12	0.10	3	3	32	
04GBSL199		10	0.19	0.04	10	0.34	687	5	<0.01	16	1180	13	0.10	2	1	17	
04GBSL200		10	0.12	0.05	10	0.44	552	3	<0.01	17	1040	12	0.08	<2	1	11	
04GBSL201		10	0.10	0.07	30	0.78	1495	10	<0.01	42	2110	12	0.11	3	5	53	
04GBSL202		10	0.12	0.05	10	0.42	499	4	<0.01	16	1660	11	0.13	<2	2	17	
04GBSL203		10	0.09	0.06	10	0.84	926	3	<0.01	38	1090	12	0.03	2	5	14	
04GBSL204		10	0.10	0.05	10	0.29	272	2	<0.01	10	1080	9	0.06	<2	1	11	
04GBSL205		10	0.05	0.11	10	0.73	1040	3	<0.01	24	1530	17	0.02	<2	6	16	
04GBSL206		10	0.05	0.11	10	0.77	1290	3	<0.01	32	1650	16	0.04	<2	3	26	
04GBSL207		10	0.05	0.10	10	0.58	751	6	<0.01	27	1930	13	0.15	3	1	51	
04GBSL207D		10	0.06	0.09	10	0.63	675	6	<0.01	31	1780	10	0.13	2	1	52	
04GBSL208		10	0.16	0.06	10	0.48	799	2	<0.01	20	1160	13	0.08	<2	1	12	
04GBSL209		10	0.08	0.12	10	0.56	2810	3	<0.01	19	2840	32	0.06	2	5	17	
04GBSL210		10	0.09	0.10	10	0.75	2330	3	<0.01	30	1840	24	0.06	<2	3	25	
04GBSL211		10	0.04	0.08	10	0.87	1225	3	<0.01	37	1160	17	0.03	<2	5	27	
04GBSL212		10	0.04	0.07	10	0.74	3630	2	<0.01	21	1750	24	0.07	4	6	26	
04GBSL213		10	0.05	0.10	10	1.07	1545	2	<0.01	29	1800	32	0.02	5	6	14	
04GBSL214		10	0.12	0.12	10	0.45	1255	3	<0.01	15	1360	18	0.07	3	1	12	
04GBSL215		10	0.07	0.07	30	0.76	1020	3	<0.01	23	2000	14	0.12	2	3	31	
04GBSL217		10	0.06	0.09	10	0.91	1525	3	<0.01	28	1340	26	0.06	<2	1	17	
04GBSL217B		<10	<0.01	0.03	<10	0.20	158	<1	<0.01	6	340	3	<0.01	2	1	21	
04BMSL43		10	0.10	0.05	10	0.61	496	2	<0.01	17	1100	8	0.04	<2	2	17	
04BMSL43D		10	0.12	0.05	10	0.63	689	2	<0.01	18	1020	10	0.04	<2	2	18	
04BMSL44		10	0.18	0.07	20	0.43	377	3	<0.01	13	990	12	0.06	3	1	30	
04BMSL45		10	0.06	0.06	10	0.87	487	4	<0.01	20	1470	14	0.07	2	2	36	
04BMSL46		10	0.07	0.08	10	0.43	450	5	<0.01	13	1160	12	0.05	<2	1	17	
04BMSL47		10	0.07	0.07	10	0.75	1620	2	<0.01	24	1660	27	0.13	3	1	27	
04BMSL48		10	0.10	0.08	20	0.82	1445	2	<0.01	27	1800	15	0.04	3	5	24	
04BMSL49		10	0.08	0.08	20	1.13	1120	2	<0.01	34	1160	21	0.05	3	5	30	
04BMSL50		10	0.08	0.07	10	0.95	1010	2	<0.01	30	1040	16	0.04	2	5	24	
04BMSL51		10	0.07	0.08	10	0.76	952	5	<0.01	21	1310	15	0.07	3	1	19	
04BMSL52		10	0.10	0.10	20	1.86	1215	3	<0.01	68	1180	20	0.02	8	10	35	
04BMSL53		10	0.07	0.08	10	0.96	978	1	<0.01	23	1190	13	0.01	<2	6	33	
04BMSL54		10	0.05	0.07	10	0.94	852	1	<0.01	28	840	12	0.01	2	6	25	
04BMSL55		10	0.07	0.10	10	0.94	1245	4	<0.01	27	1160	18	0.08	<2	3	34	
04BMSL56		10	0.06	0.08	10	0.80	925	4	<0.01	24	1170	14	0.04	<2	3	31	
04BMSL56D		10	0.06	0.08	10	0.79	833	4	<0.01	23	1140	12	0.04	2	3	29	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	10	10	1	10	2
04GBSL196		0.01	<10	<10	46	<10	31
04GBSL197		0.04	<10	<10	94	<10	224
04GBSL198		0.03	<10	<10	103	<10	194
04GBSL199		0.04	<10	<10	82	<10	86
04GBSL200		0.02	<10	<10	106	<10	90
04GBSL201		0.02	<10	<10	85	<10	152
04GBSL202		0.04	<10	<10	73	<10	108
04GBSL203		0.03	<10	<10	90	<10	120
04GBSL204		0.02	<10	<10	88	<10	49
04GBSL205		0.02	<10	<10	124	<10	157
04GBSL206		0.04	<10	<10	122	<10	192
04GBSL207		0.02	<10	<10	79	<10	206
04GBSL207D		0.02	<10	<10	80	<10	222
04GBSL208		0.03	<10	<10	99	<10	98
04GBSL209		0.01	<10	<10	124	<10	148
04GBSL210		0.10	<10	<10	126	<10	138
04GBSL211		0.13	<10	<10	120	<10	130
04GBSL212		0.05	<10	<10	172	<10	132
04GBSL213		0.02	<10	<10	123	<10	142
04GBSL215		0.01	<10	<10	81	<10	85
04GBSL216		0.03	<10	<10	74	<10	130
04GBSL217		0.03	<10	<10	68	<10	123
04GBSL217B		0.06	<10	<10	76	<10	18
04BMSL43		0.03	<10	<10	81	<10	80
04BMSL43D		0.03	<10	<10	84	<10	81
04BMSL44		0.02	<10	<10	79	<10	97
04BMSL45		0.03	<10	<10	66	<10	98
04BMSL46		0.01	<10	<10	70	<10	73
04BMSL47		0.02	<10	<10	82	<10	88
04BMSL48		0.05	<10	<10	102	<10	99
04BMSL49		0.04	<10	<10	80	<10	110
04BMSL50		0.04	<10	<10	98	<10	93
04BMSL51		0.02	<10	<10	98	<10	87
04BMSL52		0.05	<10	<10	113	<10	157
04BMSL53		0.06	<10	<10	90	<10	83
04BMSL54		0.06	<10	<10	95	<10	83
04BMSL55		0.05	<10	<10	77	<10	97
04BMSL56		0.02	<10	<10	81	<10	111
04BMSL56D		0.02	<10	<10	77	<10	108

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt.	Au-AA23 Au	ME-ICP41 As	ME-ICP41 Al	ME-ICP41 As	ME-ICP41 B	ME-ICP41 Ba	ME-ICP41 Be	ME-ICP41 Bi	ME-ICP41 Ca	ME-ICP41 Cd	ME-ICP41 Co	ME-ICP41 Cr	ME-ICP41 Cu	ME-ICP41 ppm	ME-ICP41 %
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
04BMSL57		0.48	0.005	<0.2	2.37	45	<10	130	0.7	<2	0.26	<0.5	20	31	70	4.26	
04BMSL57B		0.10	<0.005	<0.2	0.49	2	<10	20	<0.5	<2	0.28	<0.5	4	16	7	2.33	
04BMSL58		0.48	<0.005	<0.2	2.35	61	<10	140	0.7	<2	0.31	<0.5	17	28	67	4.88	
04BMSL58D		0.44	0.023	<0.2	2.32	56	<10	130	0.6	<2	0.31	<0.5	18	29	66	4.73	
04BMSL59		0.44	0.005	<0.2	2.71	47	<10	160	0.8	<2	0.36	<0.5	20	27	73	5.02	
04BMSL60		0.40	<0.005	0.4	2.16	33	<10	230	1.2	<2	1.12	<0.5	14	28	90	3.54	
04BMSL61		0.50	<0.005	0.3	2.42	22	<10	140	1.0	<2	0.55	<0.5	20	33	86	4.35	
04BMSL62		0.38	<0.005	<0.2	2.06	42	<10	160	1.0	<2	0.70	<0.5	10	18	51	3.31	
04BMSL62B		0.10	<0.005	<0.2	0.53	<2	<10	20	<0.5	<2	0.31	<0.5	5	17	7	2.55	
04BMSL63		0.52	<0.005	<0.2	1.67	35	<10	100	0.6	<2	0.43	<0.5	22	26	55	3.70	
04BMSL63D		0.44	<0.005	0.2	1.69	37	<10	100	0.6	<2	0.45	<0.5	23	27	56	3.74	
04BMSL64		0.44	<0.005	0.2	2.50	38	<10	150	0.8	<2	0.06	<0.5	13	35	48	3.84	
04BMSL65		0.40	0.005	0.2	2.92	35	<10	80	0.6	<2	0.07	<0.5	10	32	43	4.06	
04BMSL66		0.38	0.010	<0.2	2.57	48	<10	160	0.8	<2	1.06	<0.5	19	34	62	4.43	
04BMSL67		0.44	<0.005	0.2	2.80	63	<10	160	0.7	<2	0.38	<0.5	18	36	64	4.78	
04BMSL68		0.26	<0.005	0.3	1.77	30	<10	170	0.5	<2	1.02	<0.5	16	26	46	3.45	
04BMSL69		0.30	<0.005	0.4	2.21	31	<10	130	<0.5	2	0.07	<0.5	11	28	31	3.26	
04BMSL70		0.50	0.008	<0.2	2.91	70	<10	90	0.6	<2	0.11	<0.5	16	37	59	5.22	
04BMSL71		0.32	<0.005	0.2	2.46	27	<10	80	0.6	<2	0.11	<0.5	9	33	48	3.25	
04BMSL72		0.38	0.006	0.2	2.76	355	<10	90	0.7	<2	0.38	<0.5	20	37	62	4.37	
04BMSL73		0.38	<0.005	<0.2	2.39	38	<10	90	<0.5	<2	0.07	<0.5	8	25	51	4.04	
04BMSL74		0.34	<0.005	0.2	2.33	57	<10	80	0.7	<2	0.89	<0.5	11	42	52	4.54	
04BMSL75		0.40	<0.005	0.2	2.78	36	<10	70	<0.5	<2	0.09	<0.5	8	25	62	4.54	
04BMSL75D		0.40	<0.005	0.2	2.87	35	<10	70	<0.5	<2	0.10	<0.5	9	25	64	4.64	
04BMSL76		0.40	<0.005	0.3	2.85	115	<10	110	1.0	<2	0.83	<0.5	11	35	57	4.21	
04BMSL77		0.36	<0.005	0.3	2.09	28	<10	60	<0.5	<2	0.07	<0.5	7	25	30	2.15	
04BMSL78		0.32	<0.005	0.4	2.02	40	<10	90	0.6	<2	0.06	<0.5	3	21	26	1.48	
04BMSL79		0.32	<0.005	0.4	2.73	298	<10	60	1.1	<2	0.17	<0.5	9	34	38	3.90	
04BMSL79B		0.10	<0.005	<0.2	0.52	<2	<10	20	<0.5	<2	0.28	<0.5	4	16	7	2.31	
04GMSL21		0.34	0.007	<0.2	2.74	29	<10	130	<0.5	<2	0.11	<0.5	11	30	68	5.03	
04GMSL21D		0.30	<0.005	<0.2	3.29	28	<10	170	0.5	<2	0.11	<0.5	14	35	80	5.53	
04GMSL22		0.38	<0.005	0.2	1.98	20	<10	130	0.6	<2	0.45	<0.5	18	28	60	4.16	
04GMSL23		0.32	<0.005	0.3	1.88	33	<10	100	<0.5	<2	0.11	0.5	9	28	50	4.22	
04GMSL24		0.32	<0.005	0.3	2.23	555	<10	150	0.7	<2	0.44	<0.5	15	32	54	3.94	
04GMSL25		0.32	0.009	0.7	2.85	40	<10	140	0.7	<2	0.13	<0.5	14	28	46	3.97	
04GMSL26		0.48	0.011	<0.2	1.91	31	<10	120	0.6	<2	0.26	<0.5	26	26	68	3.97	
04GMSL27		0.46	0.028	0.7	2.61	53	<10	60	0.5	<2	0.08	<0.5	10	32	52	2.60	
04GMSL28		0.42	<0.005	0.5	2.37	58	<10	100	0.9	<2	0.35	<0.5	9	30	30	3.71	
04GMSL29		0.40	<0.005	0.6	2.23	57	<10	120	0.6	<2	0.19	<0.5	13	27	57	3.91	
04GMSL30		0.30	<0.005	0.6	2.31	47	<10	70	<0.5	<2	0.05	<0.5	4	26	31	1.90	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41														
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr		
		ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
04BMSL57	10	0.08	0.09	10	0.95	1060	2	<0.01	28	930	13	0.01	<2	8	30			
	<10	<0.01	0.03	<10	0.20	153	<1	0.01	6	360	<2	<0.01	<2	1	21			
	10	0.06	0.07	10	0.79	1120	2	<0.01	26	910	11	0.02	<2	4	31			
	10	0.06	0.08	10	0.83	1045	2	<0.01	26	900	12	0.02	<2	4	30			
	10	0.10	0.08	10	0.76	1305	2	<0.01	29	1060	12	0.04	<2	5	32			
04BMSL60	10	0.20	0.08	40	0.83	824	4	<0.01	39	1680	17	0.13	2	3	80			
	10	0.09	0.10	30	1.26	914	5	0.01	53	1320	20	0.05	<2	7	40			
	10	0.10	0.10	30	0.77	1020	3	<0.01	23	1620	14	0.11	2	2	45			
	<10	<0.01	0.04	<10	0.21	162	<1	0.01	7	380	<2	<0.01	<2	1	22			
	10	0.07	0.09	10	0.82	1025	2	<0.01	28	850	13	<0.01	<2	6	48			
04BMSL63D	10	0.05	0.09	10	0.83	1100	2	<0.01	29	890	14	<0.01	<2	6	52			
	10	0.06	0.09	10	0.84	709	4	<0.01	24	1300	15	0.02	<2	2	14			
	10	0.08	0.05	10	0.52	513	2	<0.01	18	740	11	0.03	<2	2	12			
	10	0.06	0.08	10	0.97	1055	2	<0.01	29	1000	14	0.06	<2	7	45			
	10	0.06	0.09	10	1.02	914	2	<0.01	28	780	14	0.02	2	4	37			
04BMSL68	10	0.14	0.07	10	0.58	1130	2	<0.01	21	1880	12	0.16	<2	2	53			
	10	0.05	0.07	10	0.40	1095	2	<0.01	14	920	11	0.05	<2	1	18			
	10	0.07	0.08	10	0.81	865	3	<0.01	27	870	13	0.03	<2	3	18			
	10	0.09	0.08	10	0.51	453	2	<0.01	16	1090	10	0.07	<2	1	15			
	10	0.06	0.07	10	0.82	1540	3	<0.01	24	1640	18	0.09	<2	2	27			
04BMSL73	10	0.15	0.05	10	0.37	586	3	<0.01	14	1110	9	0.06	<2	1	14			
	10	0.11	0.07	20	0.85	513	2	<0.01	23	1650	10	0.07	2	8	68			
	10	0.34	0.04	10	0.37	453	4	<0.01	16	1360	8	0.11	<2	1	16			
	10	0.17	0.04	10	0.40	485	4	<0.01	16	1380	8	0.11	<2	2	17			
	10	0.10	0.08	10	0.70	698	3	<0.01	23	1380	10	0.09	4	1	84			
04BMSL77	10	0.08	0.05	10	0.37	243	2	<0.01	12	940	13	0.04	<2	1	16			
	10	0.10	0.04	10	0.22	112	1	<0.01	10	1080	10	0.05	<2	<1	13			
	10	0.08	0.07	10	0.58	632	4	<0.01	18	2000	12	0.13	2	1	16			
	<10	<0.01	0.03	<10	0.20	153	<1	0.01	6	340	<2	<0.01	<2	1	23			
	10	0.06	0.05	<10	0.71	395	2	<0.01	23	500	13	<0.01	<2	7	25			
04GMSL21D	10	0.09	0.06	<10	0.86	486	2	<0.01	25	390	9	<0.01	<2	8	26			
	10	0.08	0.08	10	0.80	863	2	0.01	24	690	10	0.01	<2	8	51			
	10	0.09	0.06	<10	0.56	330	2	<0.01	19	1310	10	0.02	<2	2	23			
	10	0.08	0.07	10	0.83	888	2	0.01	23	1240	9	0.04	<2	6	45			
	10	0.09	0.07	10	0.49	661	2	<0.01	18	1580	10	0.08	<2	1	23			
04GMSL26	10	0.06	0.06	10	0.76	1200	1	<0.01	25	950	12	<0.01	<2	7	30			
	10	0.14	0.05	10	0.50	438	1	<0.01	15	1200	8	0.04	<2	1	16			
	10	0.15	0.05	20	0.46	366	3	<0.01	9	820	11	0.04	<2	2	37			
	10	0.09	0.07	10	0.61	861	2	<0.01	19	1320	11	0.05	<2	1	24			
	10	0.11	0.06	10	0.30	158	2	<0.01	7	980	8	0.03	<2	<1	11			

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
	%	ppm	ppm	ppm	ppm	ppm	ppm
	0.01	10	10	1	10	10	2
04BMSL57		0.05	<10	<10	97	<10	92
04BMSL57B		0.06	<10	<10	83	<10	18
04BMSL58		0.04	<10	<10	108	<10	106
04BMSL58D		0.04	<10	<10	105	<10	104
04BMSL59		0.04	<10	<10	109	<10	102
04BMSL60		0.04	<10	<10	58	<10	91
04BMSL61		0.08	<10	<10	73	<10	136
04BMSL62		0.01	<10	<10	43	<10	82
04BMSL62B		0.06	<10	<10	89	<10	19
04BMSL63		0.08	<10	<10	86	<10	82
04BMSL63D		0.08	<10	<10	85	<10	86
04BMSL64		0.01	<10	<10	88	<10	114
04BMSL65		0.04	<10	<10	90	<10	82
04BMSL66		0.04	<10	<10	105	<10	77
04BMSL67		0.03	<10	<10	117	<10	85
04BMSL68		0.02	<10	<10	79	<10	61
04BMSL69		0.02	<10	<10	106	<10	65
04BMSL70		0.05	<10	<10	127	<10	99
04BMSL71		0.03	<10	<10	92	<10	62
04BMSL72		0.02	<10	<10	105	<10	99
04BMSL73		0.01	<10	<10	105	<10	89
04BMSL74		0.04	<10	<10	90	<10	105
04BMSL75		0.02	<10	<10	90	<10	59
04BMSL75D		0.02	<10	<10	91	<10	61
04BMSL76		0.01	<10	<10	88	<10	98
04BMSL77		0.02	<10	<10	69	<10	49
04BMSL78		0.02	<10	<10	52	<10	33
04BMSL79		0.01	<10	<10	75	<10	88
04BMSL79B		0.06	<10	<10	79	<10	18
04GMSL21		0.04	<10	<10	131	<10	88
04GMSL21D		0.04	<10	<10	132	<10	125
04GMSL22		0.05	<10	<10	94	<10	84
04GMSL23		0.03	<10	<10	108	<10	85
04GMSL24		0.03	<10	<10	86	<10	114
04GMSL25		0.01	<10	<10	91	<10	89
04GMSL26		0.07	<10	<10	89	<10	83
04GMSL27		0.02	<10	<10	74	<10	61
04GMSL28		0.03	<10	<10	86	<10	54
04GMSL29		0.02	<10	<10	91	<10	80
04GMSL30		0.01	<10	<10	58	<10	48

Comments: NSS is non-sufficient sample:



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	As ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	
04GMSL31		0.30	0.005	0.4	2.87	51	<10	110	0.7	<2	0.13	<0.5	14	33	55	4.47	
04GMSL32		0.34	<0.005	0.6	2.48	75	<10	100	<0.5	<2	0.04	<0.5	13	29	37	5.48	
04GMSL33		0.40	0.008	0.6	2.35	63	<10	100	0.5	<2	0.09	<0.5	8	28	48	3.68	
04GMSL33D		0.40	0.008	0.4	2.45	60	<10	100	0.6	<2	0.10	<0.5	8	28	50	3.90	
04GMSL34		0.46	<0.005	<0.2	1.78	50	<10	110	0.6	<2	0.52	<0.5	16	28	68	4.23	
04GMSL35		0.50	<0.005	0.2	1.48	28	<10	100	<0.5	<2	0.52	<0.5	14	23	56	3.39	
04GMSL36		0.46	0.015	<0.2	2.17	50	<10	80	0.6	<2	0.49	<0.5	38	46	102	4.47	
04GMSL37		0.42	0.006	0.3	2.49	174	<10	140	0.9	<2	0.55	<0.5	11	31	53	3.94	
04GMSL38		0.48	0.008	0.2	2.28	47	<10	130	0.8	<2	0.23	0.5	15	26	66	4.18	
04GMSL38B		0.08	<0.005	<0.2	0.52	<2	<10	20	<0.5	<2	0.28	<0.5	4	20	7	2.16	
04GMSL39		0.38	0.008	0.4	2.57	198	<10	110	0.7	<2	0.38	0.5	14	31	58	4.25	
04GMSL39D		0.38	0.006	<0.2	2.62	245	<10	110	0.7	<2	0.37	0.5	15	31	58	4.40	
04GMSL40		0.38	<0.005	<0.2	3.12	61	<10	140	0.9	<2	0.32	<0.5	17	40	71	4.97	
04GMSL41		0.42	0.009	0.2	2.05	31	<10	140	0.8	<2	0.48	0.5	19	33	76	4.50	
04GMSL42		0.60	0.008	0.2	2.45	63	<10	160	0.7	<2	0.71	<0.5	21	40	98	4.95	
04GMSL43		0.46	0.009	0.2	2.11	34	<10	130	0.8	<2	0.48	<0.5	17	40	83	4.43	
04GMSL44		0.44	<0.005	0.4	2.18	32	<10	120	0.7	<2	0.17	<0.5	11	32	60	3.62	
04GMSL45		0.38	0.005	<0.2	2.11	200	<10	140	0.8	<2	0.28	0.6	21	31	60	4.49	
04GMSL45B		0.10	<0.005	<0.2	0.52	<2	<10	20	<0.5	<2	0.28	<0.5	4	15	7	2.12	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-CV41	ME-ICP41												
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm
		10	0.01	0.01	10	0.01	5	1	0.01	10	2	2	2	1	1	1
04GMSL31		10	0.10	0.08	10	0.73	757	2	<0.01	21	1050	11	0.03	<2	2	18
04GMSL32		10	0.09	0.04	10	0.27	1360	3	<0.01	11	1540	12	0.03	<2	1	13
04GMSL33		10	0.11	0.05	10	0.42	512	2	<0.01	13	1320	4	0.06	<2	<1	15
04GMSL33D		10	0.11	0.05	10	0.44	617	2	<0.01	15	1400	8	0.06	<2	1	16
04GMSL34		10	0.06	0.09	20	0.92	950	2	0.01	26	1000	11	<0.01	<2	8	57
04GMSL35		10	0.08	0.08	10	0.70	717	1	0.01	20	950	5	<0.01	2	7	50
04GMSL36		10	0.08	0.09	10	1.09	1420	2	0.01	40	1000	19	<0.01	<2	10	47
04GMSL37		10	0.09	0.08	20	1.08	444	3	<0.01	37	1060	10	0.02	<2	6	38
04GMSL38		10	0.09	0.06	10	0.62	1010	2	<0.01	22	1530	11	0.07	<2	2	25
04GMSL38B		<10	<0.01	0.03	<10	0.20	158	<1	0.01	7	360	<2	<0.01	<2	1	20
04GMSL39		10	0.06	0.06	10	0.67	945	3	<0.01	21	1640	11	0.07	<2	1	31
04GMSL39D		10	0.07	0.07	10	0.68	1060	3	<0.01	22	1640	12	0.07	2	1	30
04GMSL40		10	0.06	0.08	20	1.04	924	3	<0.01	32	1280	11	0.05	<2	5	30
04GMSL41		10	0.08	0.14	20	1.22	819	3	0.01	47	1190	15	0.02	<2	7	37
04GMSL42		10	0.10	0.15	10	1.25	1095	2	0.02	37	1030	19	<0.01	<2	11	63
04GMSL43		10	0.09	0.12	20	1.20	673	3	0.01	47	1220	18	0.02	2	7	31
04GMSL44		10	0.06	0.11	10	0.86	587	3	<0.01	27	1220	10	0.05	<2	1	23
04GMSL45		10	0.06	0.09	10	0.91	1185	4	<0.01	34	1100	17	0.03	2	4	31
04GMSL45B		<10	0.01	0.03	<10	0.21	162	<1	0.01	5	330	<2	<0.01	<2	1	20

Comments: NSS is non-sufficient sample.



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04047618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
04GMSL31		0.03	<10	<10	96	<10	96
04GMSL32		0.04	<10	<10	115	<10	70
04GMSL33		0.01	<10	<10	83	<10	64
04GMSL33D		0.02	<10	<10	83	<10	64
04GMSL34		0.07	<10	<10	95	<10	75
04GMSL35		0.07	<10	<10	82	<10	62
04GMSL36		0.09	<10	<10	109	<10	102
04GMSL37		0.04	<10	<10	66	<10	107
04GMSL38		0.03	<10	<10	87	<10	83
04GMSL38B		0.06	<10	<10	72	<10	17
04GMSL39		0.01	<10	<10	90	<10	93
04GMSL39D		0.01	<10	<10	92	<10	101
04GMSL40		0.04	<10	<10	112	<10	104
04GMSL41		0.03	<10	<10	68	<10	134
04GMSL42		0.07	<10	<10	106	<10	120
04GMSL43		0.03	<10	<10	72	<10	136
04GMSL44		0.01	<10	<10	66	<10	113
04GMSL45		0.02	<10	<10	78	<10	144
04GMSL45B		0.06	<10	<10	71	<10	17

Comments: NSS is non-sufficient sample.



CERTIFICATE VA04050616

Project: Sutlahine
P.O. No.: rfm04-21

This report is for 146 Soil samples submitted to our lab in Vancouver, BC, Canada on
3-AUG-2004.

The following have access to data associated with this certificate:

HENRY AWMACK
OFFICE MANAGER

MURRAY JONES

DOROTHY M

SAMPLE PREPARATION

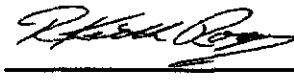
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
SCR-41	Screen to -180um and save both
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Hg-CV41	Trace Hg - cold vapor/AAS	FIMS

To: EQUITY ENGINEERING LTD.
ATTN: OFFICE MANAGER
RIMFIRE MINERALS CORP.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41												
		Recvd Wt.	Au	As	Al	As	S	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
04GBSL213		0.44	<0.005	0.3	2.42	28	<10	90	1.4	<2	0.59	<0.5	30	47	43	5.73
04GBSL218		0.32	0.005	0.4	2.34	170	<10	120	0.5	<2	0.19	<0.5	17	31	44	5.14
04GBSL218D		0.38	<0.005	0.4	2.45	214	<10	120	<0.5	<2	0.20	0.6	15	37	41	5.56
04GBSL219		0.36	0.020	0.2	3.49	204	<10	170	0.8	2	0.99	0.5	31	37	56	6.27
04GBSL220		0.46	<0.005	<0.2	2.60	38	<10	190	0.6	<2	0.28	<0.5	14	32	33	4.94
04GBSL221		0.44	0.021	0.3	4.78	126	<10	60	1.2	<2	1.94	<0.5	34	45	67	6.44
04GBSL222		0.48	<0.005	<0.2	1.63	19	<10	140	<0.5	<2	0.22	<0.5	9	21	26	3.36
04GBSL223		0.42	0.019	<0.2	1.82	13	<10	110	<0.5	<2	0.24	<0.5	6	24	17	3.14
04GBSL224		0.40	<0.005	0.2	1.45	18	<10	240	<0.5	<2	0.38	0.6	10	16	21	3.42
04GBSL225		0.42	<0.005	0.2	1.43	16	<10	120	<0.5	<2	0.38	<0.5	9	20	26	3.71
04GBSL226		0.40	<0.005	0.2	1.44	7	<10	160	<0.5	<2	0.26	0.5	11	17	15	3.45
04GBSL227		0.38	<0.005	0.2	1.42	14	<10	200	<0.5	<2	0.35	0.5	12	16	25	3.64
04GBSL228		0.18	0.013	0.4	4.82	69	<10	130	1.6	<2	0.63	0.8	37	42	325	5.80
04GBSL229		0.22	0.011	<0.2	6.54	112	<10	190	1.9	<2	0.85	0.7	53	43	261	6.58
04GBSL230		0.36	0.006	0.4	5.18	69	<10	120	1.3	<2	0.64	<0.5	37	35	128	5.49
04GBSL230D		0.30	0.010	0.3	5.51	74	<10	140	1.3	<2	0.68	<0.5	31	35	134	5.69
04GBSL231		0.32	0.006	0.4	6.00	41	<10	120	1.4	<2	0.29	<0.5	16	46	96	5.40
04GBSL232		0.36	<0.005	0.4	3.43	28	<10	170	0.7	<2	0.58	<0.5	18	31	70	3.79
04GBSL233		0.26	0.006	0.3	3.95	25	<10	200	1.1	<2	1.55	0.5	14	37	72	3.91
04GBSL234		0.36	<0.005	0.3	2.11	13	<10	170	0.6	<2	0.23	0.6	16	20	18	4.22
04GBSL235		0.42	0.010	<0.2	1.88	25	<10	270	<0.5	<2	0.27	0.6	13	20	23	4.41
04GBSL236		0.50	<0.005	0.3	4.62	26	<10	190	1.7	<2	1.27	1.0	31	29	67	5.13
04GBSL237		0.44	<0.005	<0.2	2.56	16	<10	120	0.6	<2	0.49	0.6	14	22	39	4.37
04GBSL238		0.42	<0.005	<0.2	2.31	13	<10	100	<0.5	<2	0.14	0.5	8	22	23	4.13
04GBSL239		0.32	NSS	0.5	3.93	24	<10	300	1.2	<2	1.06	0.7	18	34	151	5.07
04GBSL240		0.30	<0.005	0.3	2.12	7	<10	100	0.5	<2	0.49	0.7	11	18	55	3.55
04GBSL241		0.32	<0.005	<0.2	1.99	6	<10	170	<0.5	<2	0.91	0.7	6	26	27	3.68
04GBSL242		0.34	<0.005	0.3	1.40	6	<10	270	<0.5	<2	0.26	1.5	19	16	67	2.31
04GBSL242D		0.36	<0.005	0.4	1.54	7	<10	280	<0.5	<2	0.28	1.2	15	17	58	2.34
04GBSL243		0.52	<0.005	0.3	2.14	11	<10	230	<0.5	<2	0.57	1.1	16	22	46	3.81
04GBSL244		0.42	<0.005	<0.2	1.91	8	<10	190	<0.5	<2	0.57	0.5	11	24	36	3.10
04GBSL245		0.40	<0.005	0.3	2.22	15	<10	170	0.5	<2	0.42	0.7	12	23	39	3.94
04GBSL246		0.46	0.006	0.3	1.96	10	<10	230	0.5	<2	0.70	<0.5	12	22	46	2.77
04GBSL247		0.28	<0.005	0.3	2.87	18	<10	280	0.9	<2	0.43	1.1	16	31	67	4.05
04GBSL248		0.32	<0.005	0.2	2.57	24	<10	250	0.9	<2	1.20	0.7	15	32	69	3.70
04GBSL249		0.38	<0.005	0.2	1.72	17	<10	200	0.5	<2	0.38	0.6	13	17	37	3.78
04GBSL250		0.48	<0.005	<0.2	1.68	16	<10	210	<0.5	<2	0.32	<0.5	10	17	27	3.69
04GBSL251		0.40	<0.005	<0.2	2.14	19	<10	130	0.5	<2	0.32	<0.5	12	24	37	3.93
04GBSL252		0.36	<0.005	0.3	1.29	12	<10	100	<0.5	<2	0.19	<0.5	6	19	24	3.15
04GBSL253		0.38	<0.005	<0.2	2.20	16	<10	130	<0.5	<2	0.33	0.5	11	26	30	3.80

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	
		10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	
04GBSL213		10	0.04	0.07	10	0.89	2190	2	<0.01	22	1370	20	0.07	2	6	29	
04GBSL218		10	0.05	0.08	10	0.47	1745	3	<0.01	21	720	18	0.02	3	4	25	
04GBSL218D		10	0.15	0.09	10	0.61	1430	4	0.01	21	640	20	0.02	6	5	23	
04GBSL219		10	0.03	0.09	10	0.91	1885	6	0.01	39	990	23	0.03	5	6	83	
04GBSL220		10	0.04	0.11	10	0.82	460	2	0.01	26	1690	24	0.02	5	6	27	
04GBSL221		10	0.03	0.13	10	1.34	1195	3	0.02	43	2040	19	0.05	5	9	159	
04GBSL222		10	0.02	0.08	10	0.54	299	1	0.01	15	390	14	0.01	3	4	23	
04GBSL223		10	0.02	0.07	10	0.59	273	3	0.01	10	580	16	0.01	3	4	24	
04GBSL224		10	0.02	0.10	10	0.42	696	2	0.01	13	1430	15	0.02	3	2	36	
04GBSL225		10	0.04	0.08	10	0.38	489	2	0.01	12	510	17	0.02	3	3	32	
04GBSL226		10	0.03	0.08	10	0.37	590	2	0.01	11	1160	16	0.01	4	3	25	
04GBSL227		10	0.02	0.13	10	0.37	610	2	0.01	11	590	19	0.01	<2	3	35	
04GBSL228		10	0.10	0.08	20	0.69	210	2	0.04	92	600	21	0.07	5	12	57	
04GBSL229		10	0.10	0.15	20	0.81	677	3	0.04	117	1030	27	0.06	7	14	74	
04GBSL230		10	0.08	0.10	10	0.87	513	3	0.01	73	890	20	0.07	9	8	58	
04GBSL230D		10	0.09	0.11	10	0.92	460	3	0.01	78	840	24	0.06	9	8	60	
04GBSL231		10	0.18	0.12	10	0.92	361	4	0.01	33	650	19	0.04	7	12	28	
04GBSL232		10	0.09	0.08	10	0.83	406	2	0.01	36	400	19	0.01	5	6	46	
04GBSL233		10	0.08	0.16	20	0.96	399	2	0.11	22	760	17	0.07	<2	10	104	
04GBSL234		10	0.03	0.08	10	0.42	1380	2	0.01	11	1840	19	0.01	2	4	26	
04GBSL235		10	0.03	0.11	10	0.47	685	4	0.01	13	550	22	0.02	<2	4	25	
04GBSL236		10	0.04	0.13	10	0.65	1485	3	0.01	46	1290	35	0.05	5	8	79	
04GBSL237		10	0.02	0.11	10	0.70	454	2	0.01	20	400	18	0.02	3	5	34	
04GBSL238		10	0.03	0.07	10	0.53	301	3	<0.01	13	800	16	0.01	2	4	18	
04GBSL239		10	0.09	0.15	30	0.93	1175	3	0.02	39	770	29	0.04	7	11	77	
04GBSL240		10	0.10	0.07	10	0.45	320	2	0.01	13	300	24	0.02	5	5	41	
04GBSL241		10	0.04	0.15	10	0.75	431	1	0.01	10	690	33	0.05	4	6	53	
04GBSL242		10	0.03	0.06	10	0.23	932	2	<0.01	13	570	27	0.01	3	2	28	
04GBSL242D		10	0.03	0.06	10	0.31	826	1	0.01	17	550	22	0.01	<2	3	30	
04GBSL243		10	0.13	0.11	10	0.67	1395	2	0.01	30	820	23	0.02	2	4	49	
04GBSL244		10	1.07	0.06	10	0.70	668	1	0.01	20	500	15	0.01	2	4	46	
04GBSL245		10	0.10	0.08	10	0.56	795	2	0.01	19	790	18	0.01	2	4	38	
04GBSL246		10	0.06	0.06	10	0.58	888	2	0.01	21	750	15	0.02	4	3	60	
04GBSL247		10	0.08	0.09	20	0.70	982	2	0.01	31	750	17	0.02	4	6	41	
04GBSL248		10	0.09	0.11	20	0.82	751	2	0.02	37	710	18	0.05	<2	7	69	
04GBSL249		10	0.04	0.12	10	0.57	964	1	0.01	16	950	124	0.02	4	3	37	
04GBSL250		10	0.03	0.12	10	0.55	512	2	0.01	14	1140	17	0.02	4	3	37	
04GBSL251		10	0.09	0.09	10	0.67	611	2	0.01	22	770	15	0.01	3	4	32	
04GBSL252		10	0.04	0.06	10	0.28	281	1	<0.01	11	390	17	0.01	3	3	24	
04GBSL253		10	0.04	0.07	10	0.68	430	1	<0.01	25	1190	17	0.01	4	5	33	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
04GBSL213		0.10	<10	<10	155	<10	102
04GBSL218		0.06	<10	<10	107	<10	152
04GBSL218D		0.08	<10	<10	125	<10	157
04GBSL219		0.10	<10	<10	115	<10	228
04GBSL220		0.06	<10	<10	102	<10	194
04GBSL221		0.15	<10	<10	98	<10	159
04GBSL222		0.05	<10	<10	83	<10	76
04GBSL223		0.09	<10	<10	88	<10	63
04GBSL224		0.05	<10	<10	76	<10	120
04GBSL225		0.06	<10	<10	85	<10	85
04GBSL226		0.07	<10	<10	76	<10	170
04GBSL227		0.06	<10	<10	88	<10	102
04GBSL228		0.11	<10	<10	97	<10	114
04GBSL229		0.07	<10	<10	104	<10	249
04GBSL230		0.08	<10	<10	90	<10	305
04GBSL230D		0.09	<10	<10	90	<10	300
04GBSL231		0.13	<10	<10	109	<10	110
04GBSL232		0.03	<10	<10	92	<10	95
04GBSL233		0.16	<10	<10	87	<10	257
04GBSL234		0.06	<10	<10	87	<10	196
04GBSL235		0.08	<10	<10	106	<10	180
04GBSL236		0.07	<10	<10	83	<10	279
04GBSL237		0.06	<10	<10	97	<10	143
04GBSL238		0.06	<10	<10	101	<10	118
04GBSL239		0.04	<10	<10	101	<10	187
04GBSL240		0.07	<10	<10	88	<10	130
04GBSL241		0.16	<10	<10	99	<10	190
04GBSL242		0.04	<10	<10	66	<10	70
04GBSL242D		0.04	<10	<10	83	<10	67
04GBSL243		0.05	<10	<10	80	<10	154
04GBSL244		0.06	<10	<10	71	<10	138
04GBSL245		0.04	<10	<10	88	<10	119
04GBSL246		0.04	<10	<10	67	<10	108
04GBSL247		0.04	<10	<10	84	<10	158
04GBSL248		0.04	<10	<10	73	<10	109
04GBSL249		0.04	<10	<10	80	<10	128
04GBSL250		0.04	<10	<10	79	<10	105
04GBSL251		0.05	<10	<10	82	<10	124
04GBSL252		0.08	<10	<10	82	<10	55
04GBSL253		0.06	<10	<10	82	<10	108

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41														
	Analyte Units	Recd Wt.	Au	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe		%
	LOR	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	0.01
04GBSL254		0.38	<0.005	0.2	2.85	32	<10	150	0.7	<2	0.28	0.6	13	29	36	4.03		
04GBSL254D		0.38	<0.005	<0.2	3.01	29	<10	140	0.6	<2	0.27	0.5	13	31	41	4.19		
04GBSL255		0.40	<0.005	0.4	2.68	17	<10	270	0.6	<2	0.41	<0.5	11	30	39	4.13		
04GBSL256		0.34	<0.005	<0.2	1.98	16	<10	150	<0.5	<2	0.33	<0.5	9	21	23	3.39		
04GBSL256B		0.12	0.068	<0.2	0.52	<2	<10	20	<0.5	<2	0.31	<0.6	4	18	7	2.80		
04GBSL257		0.40	<0.005	0.2	2.65	22	<10	110	<0.5	<2	0.20	0.7	12	30	51	5.90		
04GBSL257D		0.36	<0.005	0.3	2.55	25	<10	110	<0.5	<2	0.20	0.6	10	29	46	5.89		
04GBSL258		0.40	<0.005	0.3	3.65	33	<10	130	1.1	<2	0.34	0.5	14	52	57	6.61		
04GBSL259		0.36	<0.005	<0.2	2.94	15	<10	200	<0.5	<2	0.33	<0.5	10	28	35	4.02		
04GBSL260		0.30	<0.005	0.2	1.41	5	<10	110	<0.5	<2	0.08	<0.5	6	15	22	2.77		
04GBSL261		0.26	<0.005	<0.2	2.21	18	<10	110	<0.5	<2	0.07	<0.5	7	25	33	4.31		
04GBSL262		0.36	<0.005	0.2	2.61	24	<10	110	<0.5	<2	0.11	<0.5	8	28	32	5.36		
04GBSL263		0.36	<0.005	<0.2	2.68	25	<10	120	<0.5	<2	0.09	<0.5	9	29	33	4.87		
04GBSL264		0.34	<0.005	<0.2	2.59	56	<10	130	0.5	<2	0.09	<0.5	12	41	50	5.48		
04GBSL265		0.28	0.005	<0.2	1.93	33	<10	160	<0.5	<2	0.28	<0.5	8	30	35	5.58		
04GBSL266		0.28	<0.005	0.3	1.37	30	<10	110	<0.5	<2	0.45	0.5	8	23	36	4.65		
04GBSL267		0.28	<0.005	0.7	2.46	21	<10	120	0.9	<2	1.08	2.1	13	26	77	4.04		
04GBSL268		0.40	<0.005	<0.2	1.73	25	<10	120	<0.5	<2	0.87	1.1	14	26	31	3.88		
04GBSL269		0.40	<0.005	<0.2	2.63	83	<10	140	0.5	<2	0.33	<0.5	13	28	39	4.34		
04GBSL269D		0.36	<0.005	<0.2	2.76	82	<10	150	0.5	<2	0.33	0.5	14	30	35	4.44		
04GBSL270		0.28	<0.005	0.2	2.49	27	<10	140	0.5	<2	0.31	0.6	12	32	39	4.75		
04GBSL271		0.40	0.007	0.4	2.23	23	<10	160	0.6	<2	0.38	0.8	28	27	36	4.45		
04GBSL272		0.32	<0.005	<0.2	2.62	40	<10	150	0.6	<2	0.42	0.7	18	34	44	5.72		
04GBSL273		0.42	0.011	<0.2	3.16	72	<10	100	1.0	<2	0.71	1.1	39	41	53	6.88		
04GBSL274		0.34	<0.005	<0.2	2.69	33	<10	120	0.6	<2	0.22	<0.5	15	30	32	5.37		
04GBSL275		0.36	0.036	<0.2	2.98	153	<10	80	0.6	2	0.26	0.6	18	42	39	6.64		
04GBSL276		0.42	0.069	<0.2	3.48	597	<10	90	0.9	4	0.43	0.9	30	38	114	6.63		
04GBSL277		0.38	0.301	0.3	3.83	1450	<10	70	1.3	14	0.64	2.0	45	38	139	7.89		
04GBSL278		0.38	0.173	1.0	3.55	1150	<10	30	0.7	6	1.04	<0.5	6	44	381	18.6		
04GBSL279		0.42	0.033	0.2	5.08	324	<10	30	1.3	3	1.54	0.8	42	26	143	8.62		
04GBSL280		0.54	0.031	0.4	3.98	303	<10	40	1.3	<2	0.98	1.6	34	37	124	7.68		
04GBSL281		0.44	0.035	0.4	3.12	190	<10	90	0.9	<2	0.45	1.0	22	32	93	6.63		
04GBSL281B		0.12	<0.005	<0.2	0.52	<2	<10	20	<0.5	<2	0.30	<0.5	4	15	7	2.26		
04GBSL281D		0.40	0.043	0.2	3.14	168	<10	90	0.9	2	0.44	1.0	22	31	95	6.37		
04GBSL282		0.36	<0.005	<0.2	2.09	30	<10	110	<0.5	<2	0.15	0.5	10	30	41	5.13		
04GBSL282D		0.38	<0.005	0.2	1.82	23	<10	110	<0.5	<2	0.12	0.8	7	26	37	4.58		
04GBSL283		0.38	<0.005	<0.2	1.80	33	<10	130	<0.5	<2	1.04	0.9	11	33	46	4.48		
04GBSL284		0.38	0.014	<0.2	2.08	45	<10	90	<0.5	<2	0.12	1.2	9	36	47	6.00		
04GBSL285		0.28	<0.005	0.2	1.10	42	<10	90	<0.5	<2	0.14	0.9	7	26	29	4.73		
04GBSL286		0.28	<0.005	<0.2	1.09	16	<10	100	<0.5	<2	0.07	<0.5	4	14	18	3.12		

Comments: NSS is non-sufficient sample.



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
04GBSL254	10	0.08	0.08	10	0.72	546	1	<0.01	26	1270	20	<0.01	3	5	29		
	10	0.16	0.09	10	0.81	529	1	0.01	32	1290	19	<0.01	4	6	28		
	10	0.11	0.17	10	0.72	578	2	<0.01	34	1070	15	0.01	3	5	37		
	10	0.04	0.06	10	0.61	389	1	0.01	21	520	19	<0.01	<2	4	34		
	<10	<0.01	0.03	<10	0.21	166	<1	0.02	8	380	<2	<0.01	<2	1	22		
04GBSL257	10	0.08	0.06	10	0.67	479	1	<0.01	25	540	19	0.02	7	6	23		
	10	0.10	0.06	10	0.65	480	2	<0.01	20	500	15	0.02	6	6	22		
	20	0.06	0.08	10	0.86	575	3	<0.01	29	820	25	0.03	8	9	27		
	10	0.45	0.06	10	0.80	301	2	0.01	22	280	11	0.01	2	7	34		
	10	0.04	0.04	10	0.29	194	1	<0.01	10	240	30	0.01	4	3	17		
04GBSL261	10	0.19	0.05	10	0.50	199	2	<0.01	14	380	15	0.02	6	5	14		
	10	0.09	0.05	10	0.55	313	1	<0.01	19	790	11	0.01	6	5	16		
	10	0.21	0.08	10	0.63	242	2	<0.01	19	880	16	0.01	4	6	13		
	<10	0.10	0.06	10	0.67	344	2	<0.01	34	890	21	0.01	4	6	15		
	10	0.10	0.03	10	0.38	233	4	<0.01	19	550	36	0.05	4	4	23		
04GBSL266	10	0.52	0.05	10	0.26	279	6	<0.01	16	610	21	0.04	4	2	27		
	10	0.05	0.06	10	0.43	400	8	0.02	33	810	30	0.05	4	4	45		
	10	0.05	0.07	10	0.53	990	7	0.01	21	780	19	0.03	2	4	35		
	10	0.04	0.07	10	0.77	482	3	<0.01	23	380	16	0.01	4	6	24		
	10	0.04	0.06	10	0.80	602	3	<0.01	25	390	18	0.01	5	6	23		
04GBSL270	10	0.03	0.07	10	0.60	370	3	<0.01	21	500	19	0.01	4	6	25		
	10	0.03	0.08	10	0.50	1005	3	0.01	21	610	27	0.01	5	5	30		
	10	0.08	0.09	10	0.70	792	2	0.01	27	590	23	0.02	9	6	29		
	10	0.04	0.12	10	0.85	1390	2	0.01	34	1170	33	0.02	6	6	43		
	10	0.02	0.07	10	0.59	385	3	<0.01	25	530	23	0.01	6	5	20		
04GBSL275	10	0.02	0.06	10	0.83	369	9	<0.01	31	420	14	0.01	6	6	23		
	10	0.04	0.09	10	0.82	731	3	<0.01	48	710	21	0.02	5	8	41		
	10	0.04	0.09	10	0.70	754	14	0.01	91	720	29	0.03	11	9	59		
	10	0.05	0.08	10	0.46	371	12	<0.01	20	1890	52	0.32	11	13	108		
	10	0.05	0.08	10	0.72	1035	10	0.01	61	1590	33	0.08	6	9	142		
04GBSL280	10	0.03	0.09	10	0.85	1080	32	<0.01	159	930	38	0.04	9	11	75		
	10	0.06	0.07	10	0.62	618	24	<0.01	165	820	34	0.03	8	7	33		
	<10	0.01	0.03	<10	0.21	160	<1	0.02	5	330	3	<0.01	<2	1	21		
	10	0.06	0.07	10	0.63	585	23	0.01	149	750	30	0.02	3	7	34		
	10	0.06	0.07	10	0.68	619	3	<0.01	21	730	16	0.02	4	6	17		
04GBSL282D	10	0.06	0.06	10	0.56	558	2	<0.01	12	680	15	0.01	5	4	16		
	10	0.07	0.05	10	0.51	585	12	0.01	25	950	21	0.04	4	3	58		
	10	0.09	0.04	10	0.42	329	6	<0.01	21	750	23	0.04	3	4	18		
	10	0.05	0.05	10	0.20	234	8	<0.01	18	400	20	0.02	5	3	16		
	10	0.03	0.03	10	0.16	137	2	<0.01	7	480	12	0.01	4	2	11		

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
04GBSL254		0.06	<10	<10	86	<10	180
04GBSL254D		0.07	<10	<10	88	<10	174
04GBSL255		0.06	<10	<10	85	<10	226
04GBSL256		0.07	<10	<10	77	<10	121
04GBSL256B		0.07	<10	<10	96	<10	19
04GBSL257		0.09	<10	<10	138	<10	111
04GBSL257D		0.09	<10	<10	143	<10	114
04GBSL258		0.19	<10	<10	143	<10	134
04GBSL259		0.05	<10	<10	113	<10	99
04GBSL260		0.08	<10	<10	93	<10	44
04GBSL261		0.07	<10	<10	126	<10	47
04GBSL262		0.05	<10	<10	133	<10	90
04GBSL263		0.05	<10	<10	115	<10	83
04GBSL264		0.03	<10	<10	112	<10	118
04GBSL265		0.04	<10	<10	120	<10	53
04GBSL266		0.09	<10	<10	137	<10	63
04GBSL267		0.06	<10	<10	82	<10	163
04GBSL268		0.06	<10	<10	83	<10	206
04GBSL269		0.04	<10	<10	95	<10	141
04GBSL269D		0.05	<10	<10	100	<10	170
04GBSL270		0.07	<10	<10	117	<10	120
04GBSL271		0.06	<10	<10	101	<10	168
04GBSL272		0.07	<10	<10	114	<10	256
04GBSL273		0.13	<10	<10	116	<10	295
04GBSL274		0.05	<10	<10	116	<10	159
04GBSL275		0.10	<10	<10	129	<10	236
04GBSL276		0.09	<10	<10	100	<10	182
04GBSL277		0.08	<10	<10	99	<10	298
04GBSL278		0.06	<10	<10	93	<10	88
04GBSL279		0.08	<10	<10	80	<10	203
04GBSL280		0.06	<10	<10	110	<10	382
04GBSL281		0.06	<10	<10	108	<10	355
04GBSL281B		0.06	<10	<10	75	<10	18
04GBSL281D		0.05	<10	<10	105	<10	321
04GBSL282		0.11	<10	<10	135	<10	99
04GBSL282D		0.10	<10	<10	129	<10	83
04GBSL283		0.05	<10	<10	120	<10	124
04GBSL284		0.03	<10	<10	107	<10	85
04GBSL285		0.09	<10	<10	165	<10	58
04GBSL286		0.05	<10	<10	111	<10	32

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41												
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
04GBSL287		0.32	<0.005	<0.2	2.25	51	<10	80	<0.5	<2	0.16	1.0	8	42	28	6.27
04GBSL288		0.34	<0.005	<0.2	1.75	28	<10	90	<0.5	<2	0.08	1.0	6	33	25	5.67
04GBSL289D		0.46	0.012	<0.2	2.93	180	<10	80	0.6	<2	0.12	0.5	11	39	42	6.00
04GBSL289		0.42	0.010	<0.2	2.70	170	<10	80	0.5	<2	0.10	0.5	11	37	38	6.04
04GBSL290		0.40	<0.005	<0.2	1.63	16	<10	240	<0.5	<2	0.34	0.6	9	23	29	2.99
04GBSL291		0.38	<0.005	0.6	2.34	146	<10	70	1.2	<2	0.45	8.0	25	45	273	7.54
04GBSL292		0.34	<0.005	0.4	3.27	68	<10	70	0.8	<2	0.27	1.8	12	41	52	6.38
04GBSL293		0.36	0.024	<0.2	3.23	35	<10	100	0.6	<2	0.14	<0.5	11	33	53	4.79
04GBSL294		0.28	<0.005	0.4	1.97	44	<10	110	0.5	<2	0.26	0.9	7	26	66	4.06
04GBSL295		0.26	<0.005	1.9	1.81	25	<10	140	1.5	<2	2.85	4.3	11	10	1680	2.30
04GBSL296		0.42	<0.005	0.3	1.87	23	<10	120	<0.5	<2	0.39	0.6	12	33	49	5.75
04GBSL297		0.34	<0.005	0.3	2.39	37	<10	80	<0.5	<2	0.16	0.5	11	29	55	5.50
04GBSL298		0.34	<0.005	0.4	2.39	58	<10	140	<0.5	<2	0.21	<0.5	11	29	51	4.92
04GBSL299		0.40	0.008	<0.2	2.71	50	<10	140	1.0	<2	0.44	2.2	38	62	236	7.82
04GBSL300		0.40	<0.005	0.4	2.09	44	<10	140	<0.5	<2	0.41	1.0	9	33	68	6.31
04GBSL301		0.42	0.008	0.3	2.36	49	<10	190	0.6	<2	1.42	1.8	14	22	372	6.00
04GBSL301D		0.40	0.040	0.4	2.35	45	<10	190	0.6	<2	1.30	1.6	14	23	396	5.53
04GBSL302		0.22	<0.005	0.4	1.54	35	<10	100	<0.5	<2	0.23	0.5	6	26	58	6.88
04GBSL303		0.24	<0.005	1.0	0.60	8	<10	190	<0.5	<2	0.99	6.2	6	52	114	2.35
04GBSL304		0.40	<0.005	0.3	2.32	29	<10	80	<0.5	<2	0.11	0.7	9	26	36	4.79
04GBSL305		0.34	<0.005	0.3	1.83	44	<10	60	<0.5	<2	0.09	0.7	7	23	36	4.75
04GBSL306		0.28	<0.005	0.5	1.77	49	<10	60	<0.5	<2	0.14	0.6	5	26	47	5.86
04GBSL307		0.30	<0.005	<0.2	1.85	76	<10	70	<0.5	<2	0.09	<0.5	5	22	32	3.93
04GBSL308		0.26	NSS	<0.2	0.84	33	<10	80	<0.5	<2	0.76	1.9	3	15	57	2.96
04GBSL309		0.34	0.006	<0.2	1.67	11	<10	60	<0.5	<2	0.33	1.1	4	14	28	1.84
04GBSL310		0.32	0.006	0.8	1.73	269	<10	140	0.7	<2	0.21	5.2	11	42	294	3.70
04GBSL311		0.38	NSS	0.2	0.87	190	<10	110	0.5	<2	3.78	2.0	3	10	73	1.51
04GBSL312		0.38	<0.005	<0.2	2.06	34	<10	70	<0.5	<2	0.13	0.5	8	28	42	2.99
04GBSL313		0.40	0.005	0.2	1.98	29	<10	60	<0.5	2	0.25	0.8	7	36	41	4.34
04GBSL313D		0.34	0.005	0.4	1.68	34	<10	60	<0.5	<2	0.22	0.8	6	26	50	3.99
04GBSL314		0.28	0.013	0.5	1.23	34	<10	60	<0.5	<2	0.15	0.8	4	24	59	3.94
04GBSL314B		0.12	<0.005	<0.2	0.52	2	<10	20	<0.5	<2	0.29	<0.5	5	18	7	2.56
04GBSL315		0.56	0.024	<0.2	4.51	290	<10	20	2.3	5	0.48	<0.5	53	94	138	10.36
04GBSL315D		0.62	0.060	0.3	5.05	254	<10	20	2.3	2	0.51	<0.5	48	96	124	9.88
04GBSL316		0.40	0.012	0.2	2.56	261	<10	50	0.6	23	0.30	<0.5	12	88	71	7.58
04GBSL317		0.64	0.018	0.3	3.36	552	<10	40	1.0	21	0.64	1.6	26	107	63	5.96
04GBSL318		0.52	<0.005	<0.2	3.21	212	<10	60	0.9	<2	0.61	1.1	17	86	53	8.18
04GBSL319		0.38	0.021	0.6	6.64	215	<10	70	3.3	2	1.15	2.1	51	96	243	7.02
04GBSL320		0.52	0.017	0.2	2.54	134	<10	60	0.7	4	0.12	0.7	9	98	48	6.69
04GBSL321		0.38	<0.005	<0.2	1.00	16	<10	90	<0.5	2	0.14	0.7	3	24	20	2.21

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41												
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	D	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm									
10	0.01	0.01	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
04GBSL287		10	0.06	0.06	10	0.49	402	21	<0.01	40	790	28	0.01	3	5	13
04GBSL288		10	0.18	0.04	10	0.41	337	6	<0.01	19	420	16	0.01	3	4	12
04GBSL289D		10	0.09	0.05	10	0.64	488	3	<0.01	30	880	20	0.02	2	6	12
04GBSL289		10	0.07	0.05	10	0.60	495	3	<0.01	27	860	20	0.01	3	6	12
04GBSL290		10	0.15	0.04	10	0.36	714	8	<0.01	17	460	17	0.02	3	2	24
04GBSL291		10	0.05	0.03	20	0.28	1755	33	<0.01	284	1090	91	0.03	4	4	25
04GBSL292		10	0.10	0.05	10	0.49	524	27	<0.01	97	1120	39	0.03	4	5	19
04GBSL293		10	0.11	0.06	10	0.67	374	3	<0.01	30	970	15	0.03	4	5	17
04GBSL294		10	0.22	0.04	10	0.27	238	24	<0.01	24	680	19	0.05	3	3	28
04GBSL295		<10	0.11	0.02	60	0.04	74	13	0.01	55	1200	12	0.10	4	2	198
04GBSL296		10	0.06	0.07	<10	0.45	803	17	0.01	20	660	12	0.02	3	4	34
04GBSL297		10	0.07	0.07	<10	0.60	343	4	<0.01	25	630	15	<0.01	5	6	17
04GBSL298		10	0.04	0.07	10	0.57	416	10	0.01	26	840	16	0.01	5	6	19
04GBSL299		10	0.02	0.07	10	1.23	993	38	0.01	33	1070	48	0.04	5	10	34
04GBSL300		10	0.08	0.06	10	0.56	630	30	0.01	15	840	19	0.03	2	5	28
04GBSL301		10	0.09	0.04	10	0.53	564	23	0.01	18	990	13	0.07	6	5	84
04GBSL301D		10	0.50	0.04	10	0.52	535	20	0.01	21	930	10	0.06	6	5	78
04GBSL302		10	0.42	0.06	10	0.30	437	12	<0.01	11	2290	52	0.02	3	4	17
04GBSL303		<10	0.05	0.03	10	0.05	108	16	<0.01	25	510	16	0.05	5	2	69
04GBSL304		10	0.09	0.06	10	0.56	412	3	0.01	19	770	16	0.02	5	5	14
04GBSL305		10	0.08	0.04	10	0.34	276	4	<0.01	11	1280	26	0.02	4	3	12
04GBSL306		10	0.15	0.04	10	0.31	230	14	<0.01	10	780	41	0.05	2	3	15
04GBSL307		10	0.07	0.03	10	0.27	155	11	<0.01	15	540	19	0.04	2	3	13
04GBSL308		10	0.05	0.02	10	0.06	77	35	<0.01	21	460	31	0.05	3	1	53
04GBSL309		<10	0.20	0.04	10	0.15	85	5	<0.01	11	2200	10	0.07	2	<1	29
04GBSL310		10	0.09	0.04	20	0.29	428	27	<0.01	160	900	25	0.06	8	6	28
04GBSL311		<10	0.24	0.01	10	0.07	309	31	0.01	42	2020	8	0.71	7	4	237
04GBSL312		10	0.08	0.05	10	0.58	240	5	<0.01	28	500	13	0.03	3	2	16
04GBSL313		10	0.09	0.05	10	0.42	390	9	0.03	25	930	15	0.07	3	3	26
04GBSL313D		10	0.10	0.04	10	0.30	348	10	0.02	26	840	19	0.07	3	2	27
04GBSL314		10	0.07	0.03	10	0.15	120	5	0.02	13	520	23	0.05	2	2	19
04GBSL314B		<10	<0.01	0.03	<10	0.20	158	<1	0.04	6	390	3	0.01	<2	1	22
04GBSL315		10	0.09	0.06	10	1.30	1295	10	0.02	190	1900	68	0.09	14	9	79
04GBSL315D		10	0.08	0.06	10	1.60	1175	11	0.02	168	1680	56	0.09	13	9	87
04GBSL316		20	0.02	0.06	10	0.72	385	8	0.02	65	920	36	0.05	3	5	39
04GBSL317		10	0.03	0.05	10	0.75	956	6	0.03	89	1280	72	0.08	7	4	89
04GBSL318		20	0.03	0.08	10	0.97	663	8	0.03	88	1360	43	0.05	5	6	61
04GBSL319		10	0.08	0.06	40	0.78	1340	18	0.04	258	2480	25	0.11	8	17	105
04GBSL320		10	0.03	0.05	10	0.72	276	11	0.03	55	690	18	0.04	<2	7	22
04GBSL321		10	0.01	0.04	10	0.23	178	2	0.02	11	760	21	0.02	<2	3	14

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
04GBSL287		0.08	<10	<10	171	<10	170
04GBSL288		0.08	<10	<10	149	<10	86
04GBSL289D		0.06	<10	<10	112	<10	174
04GBSL289		0.06	<10	<10	117	<10	163
04GBSL290		0.04	<10	<10	86	<10	83
04GBSL291		0.08	<10	20	228	<10	583
04GBSL292		0.08	<10	<10	192	<10	345
04GBSL293		0.06	<10	<10	87	<10	118
04GBSL294		0.06	<10	10	99	<10	61
04GBSL295		0.02	<10	240	27	<10	40
04GBSL296		0.07	<10	<10	168	<10	134
04GBSL297		0.05	<10	<10	135	<10	100
04GBSL298		0.06	<10	<10	117	<10	174
04GBSL299		0.26	<10	10	145	<10	498
04GBSL300		0.09	<10	<10	153	<10	147
04GBSL301		0.05	<10	20	108	<10	164
04GBSL301D		0.04	<10	20	98	<10	148
04GBSL302		0.13	<10	<10	185	<10	72
04GBSL303		0.09	<10	<10	84	<10	100
04GBSL304		0.06	<10	<10	110	<10	223
04GBSL305		0.07	<10	<10	96	<10	97
04GBSL306		0.09	<10	<10	142	<10	47
04GBSL307		0.05	<10	<10	95	<10	68
04GBSL308		0.09	<10	<10	94	<10	47
04GBSL309		0.01	<10	<10	40	<10	46
04GBSL310		0.07	<10	50	76	<10	164
04GBSL311		0.01	<10	280	18	10	38
04GBSL312		0.04	<10	<10	89	<10	67
04GBSL313		0.09	<10	<10	97	<10	65
04GBSL313D		0.09	<10	<10	95	<10	58
04GBSL314		0.10	<10	<10	104	<10	35
04GBSL314B		0.06	<10	<10	90	<10	18
04GBSL315		0.03	<10	<10	129	<10	174
04GBSL315D		0.02	<10	<10	121	<10	154
04GBSL316		0.10	<10	<10	162	<10	147
04GBSL317		0.04	<10	<10	115	<10	132
04GBSL318		0.06	<10	<10	212	<10	280
04GBSL319		0.10	<10	10	236	<10	253
04GBSL320		0.07	<10	<10	307	<10	96
04GBSL321		0.23	<10	<10	76	<10	76

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41												
		Recvd Wt.	Au	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
04GBSL322		0.50	<0.005	0.3	4.16	306	<10	50	1.2	<2	0.55	<0.5	19	84	108	8.20
04GBSL323		0.44	<0.005	0.4	2.67	203	<10	40	1.2	2	0.77	2.9	14	70	291	5.93
04GBSL324		0.36	<0.005	0.5	1.16	61	<10	60	<0.5	3	0.23	1.4	3	16	30	2.79
04GBSL325		0.46	<0.005	0.3	3.41	170	<10	120	0.9	<2	0.20	0.5	17	55	78	5.95
04GBSL326		0.50	<0.005	0.4	3.31	366	<10	90	1.1	2	0.20	0.7	15	62	65	6.63
04GBSL327		0.44	0.012	0.2	3.51	220	<10	60	1.2	<2	0.34	0.8	19	56	200	5.24
04GBSL327D		0.42	<0.005	0.2	3.57	216	<10	70	1.3	<2	0.34	0.8	19	57	205	5.34
04GBSL328		0.52	0.007	0.2	3.40	174	<10	60	1.3	<2	0.98	4.1	35	59	93	5.15
04GBSL329		0.44	<0.005	<0.2	2.22	97	<10	230	0.5	2	0.38	1.0	10	21	45	5.67
04GBSL330		0.48	<0.005	<0.2	1.79	148	<10	140	<0.5	<2	0.98	1.1	10	30	104	3.84
04GBSL331		0.36	<0.005	0.4	2.83	67	<10	210	1.1	<2	0.40	1.0	11	48	680	4.83
04GBSL332		0.32	<0.005	0.4	2.07	48	<10	120	<0.5	<2	0.14	<0.5	8	39	243	4.30
04GBSL333		0.36	<0.005	<0.2	2.10	73	<10	90	0.5	<2	0.57	0.6	8	50	55	4.77
04GBSL334		0.38	0.007	0.6	1.59	39	<10	70	<0.5	3	0.12	<0.5	8	29	55	4.95
04GBSL335		0.34	0.008	0.7	3.78	75	<10	60	0.8	<2	0.11	<0.5	12	45	256	6.34
04GBSL336		0.50	0.033	0.6	1.77	46	<10	120	1.4	<2	1.05	0.9	17	33	5530	3.99
04GBSL337		0.36	<0.005	0.5	2.10	67	<10	200	0.6	2	0.21	1.5	12	32	286	4.69
04GBSL338		0.44	<0.005	0.6	1.97	68	<10	160	<0.5	2	0.12	<0.5	7	40	85	5.78
04GBSL339		0.38	0.030	0.6	2.87	67	<10	90	0.5	2	0.11	<0.5	9	41	125	7.06
04GBSL339D		0.40	0.005	0.4	2.72	86	<10	100	<0.5	<2	0.12	0.5	10	39	116	6.96
04GBSL340		0.38	<0.005	0.6	2.11	38	<10	180	0.6	<2	0.45	1.9	16	25	136	4.20
04GBSL341		0.48	<0.005	0.3	2.13	51	<10	60	<0.5	<2	0.12	<0.5	11	63	41	5.19
04GBSL342		0.36	<0.005	0.4	2.12	79	<10	50	<0.5	<2	0.05	<0.5	7	45	47	8.12
04GBSL343		0.38	0.010	0.3	2.74	609	<10	50	0.5	4	0.19	0.7	7	41	145	7.44
04GBSL344		0.42	<0.005	0.6	1.86	637	<10	100	<0.5	3	0.33	0.5	10	24	110	4.86
04GBSL344B		0.14	0.006	<0.2	0.52	<2	<10	30	<0.5	<2	0.31	<0.5	6	18	16	2.69

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	ME-ICP41	Hg-CV41	ME-ICP41													
		Ga	Na	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		10	0.01	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	1
04GBSL322		10	0.06	0.06	10	1.12	496	11	0.03	138	970	38	0.06	5	10	70	
04GBSL323		10	0.04	0.06	40	0.81	413	10	0.03	420	880	29	0.06	10	6	56	
04GBSL324		10	0.03	0.07	10	0.12	95	5	0.02	22	570	24	0.03	<2	2	28	
04GBSL325		10	0.04	0.08	10	0.93	691	8	0.03	67	1500	35	0.04	2	6	23	
04GBSL326		10	0.03	0.07	10	0.96	568	8	0.02	78	900	22	0.03	4	5	22	
04GBSL327		10	0.04	0.06	10	0.96	443	8	0.03	537	530	25	0.03	8	7	31	
04GBSL327D		10	0.04	0.06	10	0.96	437	9	0.03	563	540	27	0.04	10	7	31	
04GBSL328		10	0.04	0.06	10	1.06	1235	5	0.03	106	1180	26	0.08	7	5	114	
04GBSL329		10	0.02	0.08	20	0.36	184	32	0.03	24	810	41	0.03	2	3	33	
04GBSL330		10	0.04	0.06	10	0.53	540	37	0.03	94	950	18	0.06	4	4	71	
04GBSL331		10	0.02	0.07	10	0.80	471	36	0.03	59	440	23	0.03	3	7	31	
04GBSL332		10	0.02	0.06	10	0.58	263	21	0.03	36	1010	22	0.03	<2	4	14	
04GBSL333		10	0.03	0.04	10	0.69	279	18	0.03	59	690	20	0.04	4	4	39	
04GBSL334		10	0.03	0.05	10	0.30	190	34	0.02	15	1890	34	0.02	3	4	11	
04GBSL335		10	0.12	0.05	10	0.49	352	54	0.02	53	1820	26	0.04	3	8	10	
04GBSL336		10	0.08	0.06	70	0.76	530	33	0.04	43	970	33	0.06	3	12	68	
04GBSL337		10	0.02	0.05	10	0.40	514	18	0.02	33	540	25	0.03	<2	5	21	
04GBSL338		10	0.04	0.07	10	0.46	232	31	0.02	24	2290	30	0.04	3	5	17	
04GBSL339		10	0.08	0.05	10	0.65	346	24	0.02	35	770	35	0.05	4	6	16	
04GBSL339D		10	0.09	0.05	10	0.62	337	25	0.02	33	710	32	0.04	2	6	16	
04GBSL340		10	0.02	0.05	10	0.43	798	24	0.03	24	520	29	0.03	<2	4	36	
04GBSL341		10	0.04	0.05	10	0.80	437	14	0.02	38	610	23	0.03	<2	4	13	
04GBSL342		10	0.08	0.04	10	0.38	287	7	0.02	18	1160	47	0.03	3	5	8	
04GBSL343		10	0.10	0.03	10	0.42	271	16	0.02	16	940	124	0.07	2	3	18	
04GBSL344		10	0.06	0.05	10	0.50	289	29	0.01	19	720	46	0.06	9	3	34	
04GBSL344B		<10	0.01	0.03	<10	0.20	162	<1	0.02	5	400	7	0.01	<2	1	22	

Comments: NSS is non-sufficient sample.



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04050616

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	Tl	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
04GBSL322		0.10	<10	<10	153	<10	174
04GBSL323		0.11	<10	<10	147	<10	327
04GBSL324		0.03	<10	<10	86	<10	58
04GBSL325		0.02	<10	<10	133	<10	248
04GBSL326		0.06	<10	<10	150	<10	240
04GBSL327		0.10	<10	<10	127	<10	505
04GBSL327D		0.10	<10	<10	131	<10	533
04GBSL328		0.12	10	<10	122	<10	211
04GBSL329		0.03	<10	<10	150	<10	114
04GBSL330		0.03	<10	30	76	<10	153
04GBSL331		0.10	<10	10	115	<10	276
04GBSL332		0.06	<10	<10	129	<10	117
04GBSL333		0.08	<10	<10	139	<10	121
04GBSL334		0.08	<10	<10	144	<10	51
04GBSL335		0.06	<10	<10	103	<10	120
04GBSL336		0.05	<10	50	71	10	238
04GBSL337		0.05	<10	<10	115	<10	356
04GBSL338		0.08	<10	<10	164	<10	68
04GBSL339		0.09	<10	<10	128	<10	144
04GBSL339D		0.09	<10	<10	130	<10	138
04GBSL340		0.04	<10	<10	103	<10	299
04GBSL341		0.08	<10	<10	141	<10	112
04GBSL342		0.09	<10	<10	175	<10	58
04GBSL343		0.06	<10	<10	99	<10	218
04GBSL344		0.06	<10	<10	107	<10	282
04GBSL344B		0.07	<10	<10	91	<10	27

Comments: NSS is non-sufficient sample.



CERTIFICATE VA04074182

Project: Sutjahine
P.O. No.: RFM04-21

This report is for 44 Stream Sediment samples submitted to our lab in Vancouver, BC, Canada on 25-OCT-2004.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL
RIMFIRE MINERALS CORP

HENRY AWMACK

DARCY BAKER

SAMPLE PREPARATION

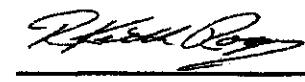
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY ENGINEERING LTD.
700-700 W PENDER ST
VANCOUVER BC V6C 1G8

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: 



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04074182

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41												
		Recvd Wt.	Au	As	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	%									
626644		0.18	0.026	0.6	1.94	110	<10	160	0.5	<2	1.22	4.1	28	21	213	6.61
626645		0.34	0.013	0.8	2.01	146	<10	190	0.6	<2	0.55	1.3	28	22	136	6.64
04EFSL01		0.24	<0.005	<0.2	2.82	51	<10	60	<0.5	<2	0.04	<0.5	6	30	41	6.31
04EFSL02		0.26	0.007	<0.2	2.60	288	<10	80	<0.5	<2	0.09	<0.5	7	27	47	6.02
04EFSL03		0.24	<0.005	0.4	3.10	42	<10	70	0.5	<2	0.07	<0.5	7	31	51	5.74
04EFSL04		0.24	<0.005	<0.2	2.42	292	<10	190	0.6	<2	0.41	<0.5	13	26	52	5.68
04EFSL05		0.26	<0.005	<0.2	2.40	370	<10	140	0.8	<2	0.72	<0.5	14	33	78	4.85
04EFSL06		0.18	0.006	0.9	2.91	41	<10	60	<0.5	2	0.13	<0.5	12	40	51	6.55
04EFSL07		0.24	0.014	0.7	2.47	97	<10	50	0.5	<2	0.08	1.3	6	32	31	5.05
04EFSL08		0.26	<0.005	0.8	2.40	38	<10	70	<0.5	<2	0.05	<0.5	6	27	44	4.66
04EFSL09		0.28	<0.005	0.6	2.44	25	<10	110	<0.5	<2	0.09	<0.5	9	21	40	4.08
04EFSL10		0.22	<0.005	0.2	1.70	20	<10	70	<0.5	<2	0.09	<0.5	4	28	35	3.37
04EFSL11		0.12	<0.005	<0.2	1.74	22	<10	70	<0.5	<2	0.10	<0.5	5	26	30	3.94
04EFSL12		0.24	<0.005	0.4	2.36	18	<10	80	<0.5	<2	0.05	<0.5	6	36	39	4.47
D04EFSL12		0.26	<0.005	0.3	2.85	26	<10	80	0.5	<2	0.06	<0.5	10	40	49	5.27
04EFSL13		0.28	<0.005	<0.2	3.15	34	<10	100	0.7	2	0.08	<0.5	14	31	63	5.51
04EFSL14		0.28	<0.005	0.3	2.35	28	<10	100	<0.5	<2	0.13	<0.5	11	24	51	4.77
04EFSL15		0.26	0.019	0.6	2.49	80	<10	70	0.8	<2	0.94	0.6	27	61	98	5.34
04EFSL16		0.30	0.013	0.2	2.66	70	<10	70	0.8	<2	0.63	<0.5	24	73	88	5.68
04EFSL17		0.26	0.010	0.4	2.68	66	<10	50	0.6	<2	0.10	<0.5	19	78	92	5.81
04EFSL18		0.24	<0.005	0.5	3.13	35	<10	70	<0.5	<2	0.06	<0.5	9	28	43	4.63
04EFSL19		0.18	<0.005	0.2	1.95	46	<10	80	<0.5	2	0.07	<0.5	5	36	34	7.28
04EFSL20		0.16	<0.005	0.3	2.68	45	<10	70	<0.5	<2	0.06	<0.5	6	33	41	6.41
04EFSL21		0.24	<0.005	0.5	1.97	26	<10	80	<0.5	<2	0.10	<0.5	3	28	23	3.10
04EFSL22		0.26	0.007	0.5	3.10	56	<10	70	<0.5	2	0.09	<0.5	8	40	46	6.49
04EFSL23		0.22	0.016	0.8	2.72	118	<10	90	0.5	<2	0.93	<0.5	8	34	58	5.29
04EFSL24		0.22	0.015	0.4	2.82	80	<10	70	0.7	<2	0.08	<0.5	26	75	85	5.49
04EFSL25		0.26	0.028	0.4	3.14	112	<10	80	0.9	2	0.10	<0.5	24	78	124	5.95
04RGSL01-01		0.12	<0.005	0.5	3.21	22	<10	110	<0.5	<2	0.12	<0.5	10	36	59	6.93
04RGSL01-02		0.14	<0.005	0.9	2.44	50	<10	160	0.9	<2	2.00	3.3	12	28	88	4.04
04RGSL01-03		0.20	<0.005	0.2	2.12	22	<10	120	<0.5	<2	0.23	0.7	7	30	43	6.64
04RGSL01-04		0.16	<0.005	0.4	2.68	45	<10	200	<0.5	2	0.54	<0.5	12	45	43	6.74
04RGSL01-05		0.26	0.017	0.3	3.74	30	<10	110	0.5	<2	0.14	<0.5	15	36	66	4.76
04RGSL01-06		0.16	<0.005	0.3	1.66	14	<10	110	<0.5	<2	2.33	0.6	4	20	24	2.99
04RGSL01-07		0.22	<0.005	0.3	2.79	22	<10	90	<0.5	<2	0.15	0.6	10	29	58	4.93
04RGSL01-08		0.28	0.009	0.2	2.12	119	<10	120	0.8	<2	0.63	0.5	16	36	72	4.47
04RGSL01-09		0.40	<0.005	<0.2	2.02	23	<10	130	0.5	<2	0.77	<0.5	15	28	62	4.19
04RGSL01-10		0.28	<0.005	0.4	2.11	22	<10	90	<0.5	<2	0.23	<0.5	8	25	49	2.55
04RGSL01-11		0.18	<0.005	0.2	1.55	13	<10	70	<0.5	<2	0.06	<0.5	<1	17	24	2.21
04RGSL01-12		0.16	0.005	0.4	2.31	20	<10	120	0.6	<2	1.28	0.6	11	28	64	4.01



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04074182

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	B ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
626644		10	<1	0.15	10	1.00	1105	10	0.03	28	1150	42	0.16	4	10	74
626645		10	1	0.12	10	1.10	1185	5	0.02	21	880	128	0.16	4	9	63
04EFSL01		10	1	0.04	10	0.34	258	2	0.01	12	680	14	<0.01	<2	5	9
04EFSL02		10	1	0.05	10	0.65	530	3	0.01	17	1180	16	<0.01	4	5	12
04EFSL03		10	1	0.04	10	0.35	1115	3	0.01	12	2220	17	0.03	4	3	10
04EFSL04		10	1	0.06	10	0.61	878	3	0.02	22	1130	20	0.01	2	5	46
04EFSL05		10	<1	0.07	10	0.76	944	4	0.02	28	1180	14	0.01	4	6	70
04EFSL06		<10	1	0.04	10	0.35	880	4	0.02	12	1730	26	0.10	3	3	10
04EFSL07		10	<1	0.05	10	0.64	404	5	0.02	14	1340	18	0.07	8	2	14
04EFSL08		10	1	0.06	10	0.26	869	3	0.02	11	1800	9	0.06	2	1	10
04EFSL09		10	1	0.05	10	0.45	324	2	0.02	16	1240	10	0.04	<2	3	18
04EFSL10		10	1	0.04	10	0.28	206	2	0.03	11	750	18	0.06	2	1	21
04EFSL11		10	<1	0.04	10	0.32	359	2	0.02	9	1180	12	0.06	2	1	12
04EFSL12		10	<1	0.06	10	0.63	859	4	0.02	19	1580	21	0.05	2	2	9
D04EFSL12		10	<1	0.06	10	0.77	939	4	0.02	23	1560	21	0.04	3	3	9
04EFSL13		10	1	0.05	10	0.56	843	5	0.02	23	1180	13	0.04	3	4	14
04EFSL14		10	<1	0.05	10	0.69	578	2	0.03	27	1000	11	0.02	4	5	18
04EFSL15		10	1	0.08	10	1.41	1165	3	0.03	55	1180	21	0.06	3	8	67
04EFSL16		10	<1	0.08	10	1.63	1155	5	0.03	50	1180	19	0.05	4	8	46
04EFSL17		10	<1	0.07	10	1.66	752	3	0.03	48	600	14	0.03	5	6	10
04EFSL18		10	<1	0.04	10	0.47	490	2	0.02	15	1200	11	0.05	2	2	13
04EFSL19		10	<1	0.05	10	0.41	332	3	0.03	13	3420	20	0.03	<2	4	9
04EFSL20		10	1	0.05	10	0.50	346	3	0.03	16	1560	14	0.05	3	4	10
04EFSL21		10	1	0.03	10	0.24	101	3	0.02	9	700	18	0.06	2	1	18
04EFSL22		10	<1	0.03	10	0.52	450	2	0.02	16	860	23	0.04	3	5	11
04EFSL23		10	1	0.04	10	0.60	419	4	0.03	18	1280	36	0.05	4	4	90
04EFSL24		10	<1	0.07	10	1.45	835	3	0.03	39	850	16	0.04	4	5	10
04EFSL25		10	<1	0.06	10	1.57	915	3	0.03	48	850	22	0.04	5	8	14
04RGSL01-01		10	1	0.05	<10	0.52	396	2	0.02	23	770	9	0.02	<2	7	19
04RGSL01-02		10	1	0.06	20	0.47	1125	8	0.03	41	1360	14	0.09	5	5	221
04RGSL01-03		10	1	0.04	<10	0.40	241	2	0.03	19	570	10	0.04	2	4	36
04RGSL01-04		10	1	0.06	10	0.72	609	3	0.03	27	1170	12	0.03	2	7	61
04RGSL01-05		<10	<1	0.06	<10	0.66	395	1	0.03	39	630	8	0.02	2	7	18
04RGSL01-06		10	1	0.04	<10	0.30	166	5	0.03	14	760	8	0.09	2	2	168
04RGSL01-07		10	<1	0.04	<10	0.54	409	4	0.03	29	680	8	0.02	2	6	21
04RGSL01-08		<10	1	0.11	20	1.20	890	2	0.03	40	1130	18	0.05	5	6	53
04RGSL01-09		10	<1	0.07	10	0.68	990	3	0.04	32	850	9	0.04	<2	9	74
04RGSL01-10		10	<1	0.05	10	0.44	319	2	0.03	20	900	9	0.06	<2	1	34
04RGSL01-11		10	<1	0.03	10	0.04	39	2	0.02	4	900	10	0.06	<2	<1	14
04RGSL01-12		10	<1	0.07	10	0.73	754	4	0.03	25	1240	11	0.06	2	5	89



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04074182

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	Tl	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
626644		0.06	<10	<10	125	<10	402
626645		0.03	<10	<10	109	<10	236
04EFSL01		0.02	<10	<10	120	<10	57
04EFSL02		0.02	<10	<10	119	<10	97
04EFSL03		0.02	<10	<10	104	<10	71
04EFSL04		0.02	<10	<10	117	<10	97
04EFSL05		0.02	<10	<10	100	<10	115
04EFSL06		0.01	<10	<10	49	<10	49
04EFSL07		0.01	<10	<10	54	<10	73
04EFSL08		0.02	<10	<10	88	<10	52
04EFSL09		0.02	<10	<10	99	<10	69
04EFSL10		0.08	<10	<10	121	<10	41
04EFSL11		0.02	<10	<10	94	<10	46
04EFSL12		0.01	<10	<10	95	<10	59
D04EFSL12		0.01	<10	<10	100	<10	80
04EFSL13		0.03	<10	<10	114	<10	99
04EFSL14		0.03	<10	<10	106	<10	101
04EFSL15		0.06	<10	<10	102	<10	151
04EFSL16		0.06	<10	<10	111	<10	140
04EFSL17		0.09	<10	<10	117	<10	112
04EFSL18		0.03	<10	<10	99	<10	70
04EFSL19		0.06	<10	<10	193	<10	48
04EFSL20		0.04	<10	<10	119	<10	68
04EFSL21		0.03	<10	<10	67	<10	34
04EFSL22		0.03	<10	<10	94	<10	62
04EFSL23		0.02	<10	<10	125	<10	83
04EFSL24		0.04	<10	<10	120	<10	106
04EFSL25		0.05	<10	<10	123	<10	114
04RGSL01-01		0.04	<10	<10	148	<10	68
04RGSL01-02		0.02	<10	10	70	<10	124
04RGSL01-03		0.06	<10	<10	145	<10	60
04RGSL01-04		0.03	<10	<10	137	<10	75
04RGSL01-05		0.03	<10	<10	98	<10	113
04RGSL01-06		0.03	<10	<10	76	<10	48
04RGSL01-07		0.04	<10	<10	112	<10	78
04RGSL01-08		0.02	<10	<10	78	<10	140
04RGSL01-09		0.04	<10	<10	93	<10	98
04RGSL01-10		0.01	<10	<10	77	<10	67
04RGSL01-11		0.01	<10	<10	41	<10	11
04RGSL01-12		0.02	<10	<10	81	<10	106



Project: Sutiahine

CERTIFICATE OF ANALYSIS VA04074182

Sample Description	Method Analyte Units LOR	WB-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	DNNR
04RGSL01-13		Not Recvd														
04RGSL01-14		0.16	0.006	0.4	2.00	89	<10	100	0.8	<2	0.46	0.5	18	33	61	4.29
04RGSL01-15		0.38	0.018	0.7	2.26	106	<10	300	0.9	<2	0.44	0.8	21	37	80	4.63
04RGSL01-16		0.22	<0.005	<0.2	2.53	25	<10	70	<0.5	<2	0.07	<0.5	7	32	52	5.84



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04074182

Sample Description	Method	ME-ICP41														
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	O	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm									
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
04RGSL01-13																
04RGSL01-14		<10	<1	0.10	10	1.07	802	2	0.03	32	1200	14	0.04	4	6	38
04RGSL01-15		10	1	0.10	20	1.20	1015	2	0.03	38	1170	21	0.04	5	7	35
04RGSL01-16		10	<1	0.05	<10	0.32	231	3	0.03	15	480	13	0.02	2	5	11



Project: Sutlahine

CERTIFICATE OF ANALYSIS VA04074182

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Tl	Tl	U	V	W	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm
04RGSL01-13	LOR	0.01	10	10	1	10	2
04RGSL01-14		0.03	<10	<10	77	<10	130
04RGSL01-15		0.02	<10	<10	77	<10	140
04RGSL01-16		0.06	<10	<10	145	<10	53

Appendix E: Quality Control / Quality

Assurance

QUALITY CONTROL / QUALITY ASSURANCE

I. Chain of Custody

All samples were packed in rice sacks and sealed with uniquely-numbered non-resealable security straps. Rice sacks were trucked to ALS Chemex Labs in North Vancouver. Chemex reported that all bags were received in good condition, with all security straps intact, and with no evidence of tampering.

II. Blanks

Blanks are samples which are known to be barren of mineralization and are inserted into the sample stream to determine whether contamination has occurred after sample collection.

a. Soil Samples

21 soil blanks were inserted into the sample sequence (approximately every 20th sample) and submitted for analysis. The blank material comprised silica sand. Blanks were inserted into the sample series in the field.

Sample	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
04BMSL23B	9	<0.2	<2	<2	7	<1	<2	<2	20
04BMSL42B	<5	<0.2	2	<2	8	<1	2	<2	19
04GMSL18B	<5	<0.2	<2	<2	14	<1	7	<2	25
04GBSL32B	<5	<0.2	<2	<2	7	<1	<2	<2	17
04GBSL51B	<5	<0.2	2	<2	7	<1	<2	<2	16
04GBSL73B	<5	<0.2	<2	<2	7	<1	<2	<2	17
04GBSL90B	<5	<0.2	<2	<2	7	<1	<2	<2	17
04GBSL114B	82	>0.2	<2	<2	7	1	<2	2	18
04GBSL135B	<5	<0.2	<2	<2	7	1	<2	2	19
04GBSL160B	309	<0.2	<2	<2	7	<1	<2	<2	18
04GBSL194B	<5	<0.2	<2	<2	7	<1	4	<2	18
04GBSL217B	<5	<0.2	2	<2	6	<1	3	2	18
04BMSL57B	<5	<0.2	2	<2	7	<1	<2	<2	18
04BMSL62B	<5	<0.2	<2	<2	7	<1	<2	<2	19
04BMSL79B	<5	<0.2	<2	<2	7	<1	<2	<2	18
04GMSL38B	<5	<0.2	<2	<2	7	<1	<2	<2	17
04GMSL45B	<5	<0.2	<2	<2	7	<1	<2	<2	17
04GBSL256B	66	<0.2	<2	<2	7	<1	<2	<2	19
04GBSL281B	<5	<0.2	<2	<2	7	<1	3	<2	18
04GBSL314B	<5	<0.2	2	<2	7	<1	3	<2	18
04GBSL344B	5	<0.2	<2	<2	16	<1	7	<2	27

The Sutlahine and LJ blanks indicate that no contamination of soil samples occurred in the field or the lab for any element, except gold. Samples 04GBSL114B, 04GBSL160B & 04GBSL256B returned 82, 309 & 66 ppb gold respectively; this may indicate laboratory contamination. The source of this problem and its implications are not known at this time but are under investigation.

III. Lab Duplicate Analysis

Lab duplicates are analyses of two portions of a prepared sample. They are used to measure the reproducibility of laboratory analyses. ALS Chemex Labs conducts duplicate analyses of random samples at varying frequencies depending on the particular sample preparation code. For example, the standard ICP analysis that was conducted on all samples (code ICP41) is run in batches of 40 samples—

one of which will be duplicated. Other analyses, such as fire assays of Au or Ag, are run in larger batches with more frequent duplicates. Thompson and Howarth (1976, 1978) demonstrated that the analytical precision of a dataset can be estimated by duplicate analyses. They established a graphical representation of the precision that is effective for datasets of 10 to 50 samples:

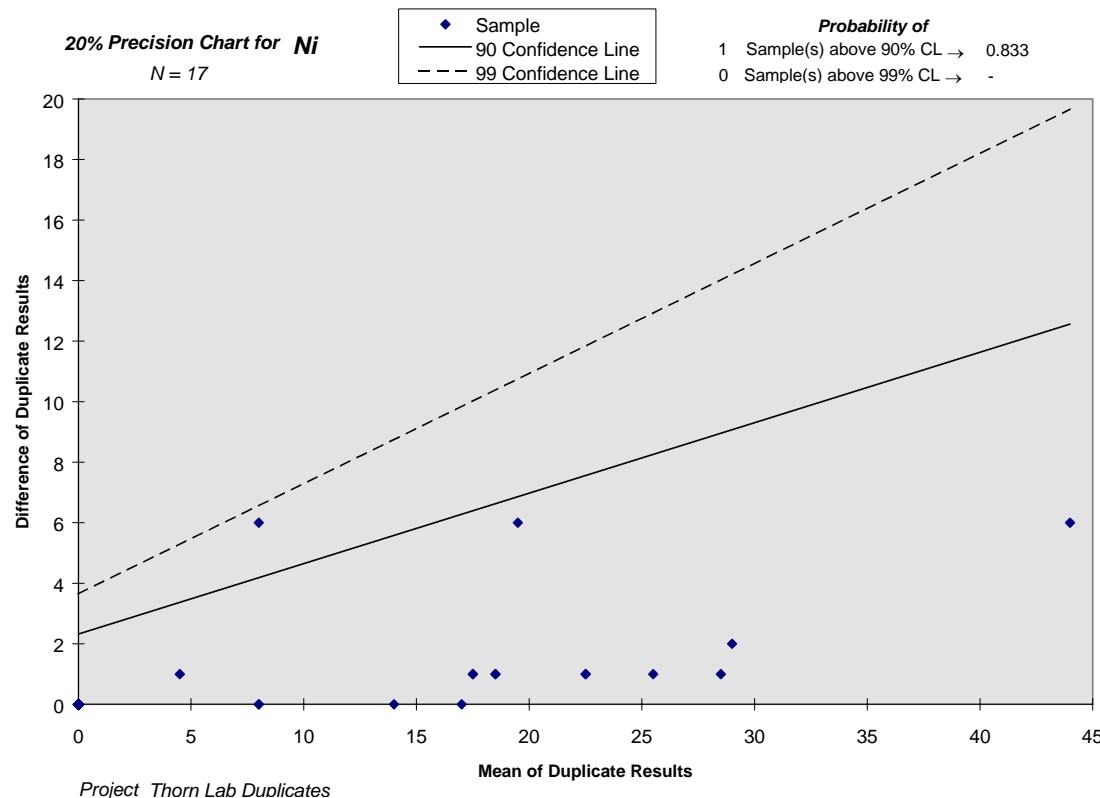


Chart 1: Graph illustrating Thompson and Howarth estimation of analytical precision, method two. The data points represent duplicate pairs, the solid line represents the 90th percentile of the population, and the dashed line the 99th percentile of the population (n=17 duplicate pairs). In this instance, the precision was set at 20%, and at this level within the given dataset, 1 sample falls above the 90th percentile line. From the binomial probability it can be read that at 20% precision, the probability of 1 sample out of 17 falling above the 90th percentile is 83.3%.

a. Soil Samples

ALS Chemex's duplicate analysis program resulted in 18 duplicates (eight for the ICP suite, eight for Au only and two for Hg only) and thus the method of Thompson and Howarth (1976, 1978) is not an effective analytical tool for this small dataset.

IV. Field Duplicates

Field duplicates are collection and analysis of two separate samples from the same field location. They are used to measure the reproducibility of sampling, which includes both laboratory variation and sample variation.

a. Soil Samples

A total of 50 field duplicate soil sample pairs were collected (approximately every 10th sample) during the 2004 program and submitted for analysis. All elements show little variability and are consistent with 20% precision, including Ag, As, Cu, Pb, Sb, and Zn. The only exception to this is Au which showed precision at approximately 80%. Awmack (2000) and Baker (2004) noted similar results at the Thorn property and suggested that this may be due to particulate gold in soil samples. All of the elements have one sample that stands out from the rest and consistently plots above the 99% line. This

sample was taken directly above a vein and may have contained fragments of the vein which returned results much higher than the rest of the soil samples taken during the 2004 program.

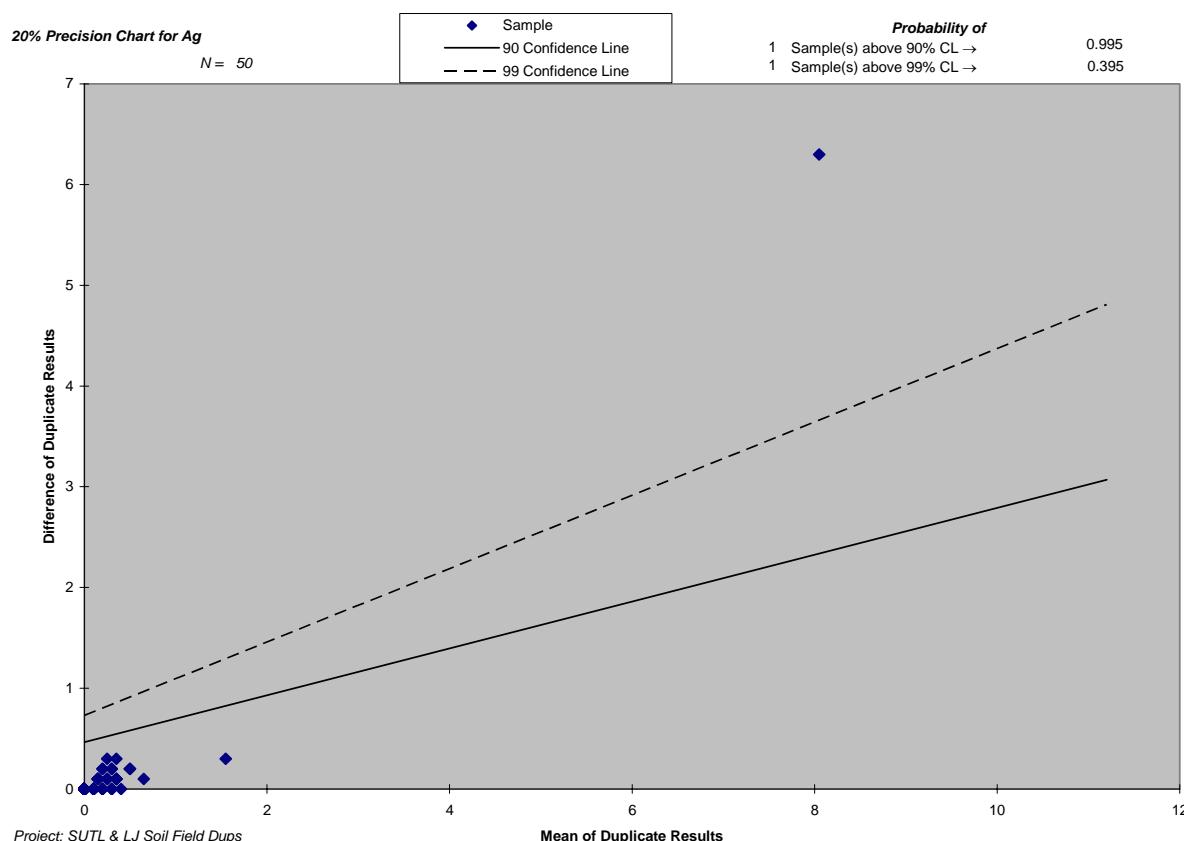


Chart 2: Graph illustrating Thompson and Howarth estimation of analytical precision, method two for Ag from duplicate samples taken during the 2004 program. The data points represent duplicate pairs, the solid line represents the 90th percentile of the population, and the dashed line the 99th percentile of the population ($n=50$ duplicate pairs). In this instance, the precision was set at 20%, and at this level within the given dataset, 1 sample falls above the 99th percentile line. From the binomial probability it can be read that at 20% precision, the probability of 1 sample out of 50 falling above the 90th percentile and 99th percentile is 99.5% and 39.5% respectively.

V. Metallic Assays

The reject portions of 2 rock samples exceeding 10,000 ppb Au in initial geochemical analysis were subjected to metallic (screen) assaying to determine whether coarse particulate gold is present and under-reported by conventional sample preparation. Particulate gold is malleable and flattened during the pulverization process; with the standard sample preparation, any coarse gold left on the screens is disregarded. The following table shows that only one sample (276528), from silicified vein breccia in the South King Salmon Lake area, demonstrated significant amounts of particulate gold.

Sample	Year	Initial Geochem (ppb)	Sample Weight (g)	+ Fraction Gold (g)	- Fraction Assay (g/t)	Total Grade (g/t)	Increase in Grade ¹	Increase in Splits ²
276528	2004	13350	1300	2.52	10.80	11.90	10%	-19%
276536	2004	10700	1380	30.75	11.05	11.10	0.5%	3%

¹The total grade relative to the minus fraction assay.

²Comparison of the two splits: the minus fraction assay for the reject relative to the original geochemical analysis.

VI. Conclusions

- There was no tampering with the samples between collection and laboratory.
- A few of the blank soil samples returned high Au values (66, 82 & 309 ppb) indicating contamination between the time they were interested in the sample sequence in the field and the time they were analysed. This raises the possibility of contamination of other silt and soil samples and their reliability. Ongoing investigations should narrow down the nature and importance of this problem.
- Laboratory preparation and analysis is reproducible at high level of precision (20%) for rock for all elements except Au, which exhibits more variability (80% precision).

Appendix G: Geologist's Certificate

GEOLOGIST'S CERTIFICATE

I, Adam Simmons, of 1559 Trafalgar Street, Vancouver, in the province of British Columbia, DO HEREBY CERTIFY:

THAT I am a Geoscientist employed by Equity Engineering Ltd., with offices at #700-700 West Pender Street in the City of Vancouver, B.C., in the Province of British Columbia.

THAT I am a graduate of Queen's University (2003) with an Honours Bachelor of Science degree in Geology, and am a graduate student of the University of British Columbia (2004) Master of Science Candidate, and I have practiced my profession continuously since 2000.

THAT I am presently a Consulting Geologist and have been so since May 2004.

THAT this report is based on fieldwork carried out by me or under my direction from June through October 2003, on publicly available reports and on historical data provided to me by previous operators of the Sutlahine and LJ properties. I have examined the property in the field.

Dated at Vancouver, British Columbia, this ____ day of _____, 2004.

Adam T. Simmons