NTS 104 N/11 W
Trim NTS 104 N 063,064,073,074
LAT. 59 41' N
LONG. 133 26' W

GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL REPORT ON THE ADANAC CLAIM GROUP SURPRISE LAKE, BOULDER CREEK ATLIN, B.C.

Atlin Mining Division

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VICTORIA, B.C.

by

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GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

July 15, 2002

26,895

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SUMMARY

The Adanac claims are located 25 km northeast of Atlin, B.C. The Adanac property consists of 7 staked mineral claims totaling 2,575 hectares, held by Stirrup Creek Gold Ltd. Fieldwork on the Adanac claim group was carried out between May 1-31, 2002. Expenditures related to geological, geochemical and geophysical fieldwork performed on the Adanac claim group was $10,472.00. Additional staking of 2 adjoining claims (250 hectares-10 units) occurred on June 1, 2002.

Access to the Adanac claims is via the Pine Creek-Surprise Lake road from Atlin, B.C. A network of roads give access to most areas of the claim group.

The property is underlain by Paleozoic Cache Ck Group chert, clastic sediments, marble/limestone, mafic volcanics, peridotite, serpentinite, dunite and gabbro which is cut by the Late Cretaceous Surprise Lake batholith, a highly differentiated, fluoritic (averages 0.27% F) and peraluminous subalkaline body of adamellite-granite composition with beryl-apatite-coarse grained muscovite mineral assemblage in pegmatitic phases of the batholith. Later phase alteration mineral assemblages consists of ;

1) Serpentinization and carbonitization,
2) Listwanite (talc-mariposite) alteration,
3) Intense silicification and quartz veining and stockworks,
4) Skarn (garnet-pyroxenite-fluorite-idocrase).

The quartz veining and skarn alteration host base and precious metal mineralization which contain W, Sn, U, F, Zn, Pb, Co, Cu, Mo, Ag and Au bearing sulphides and oxides. Tungsten occurs as disseminated scheelite ($CaWO_4$) and wolframite ($Fe,Mn\ WO_4$) in close association with pyrite(FeS_2), chalcopyrite($CuFeS_2$), sphalerite (Zn, FeS) and lesser galena (PbS), molybdenite (MoS_2), bismuthinite (Bi_2S_3), and tetrahedrite ($Cu_{12}Sb_4S_{13}$).

In order to advance exploration on the Adanac claim group, a 2 phase fieldwork program is recommended. Phase 1 recommendations include 2,900 feet of core drilling, geological and geochemical core and rock chip sampling with a proposed budget of $150,000.00. Contingent on the results of phase 1, a second phase of core drilling, rock sampling and geological/geochemical surveys is recommended. The total recommended core drilling for phase 2 is 3,300 feet. The estimated total budget for phase 2 is $200,000.00. Total recommended expenditures to complete the 2 phase program is $350,000.00.

1.0 INTRODUCTION AND TERMS OF REFERENCE

This report was prepared by Andris Kikauka, P.Geo. at the request of Stirrup Creek Gold Ltd. to describe and evaluate the results of geological, geochemical and geophysical surveys carried out on the Adanac claim group located 25 kilometers northeast of Atlin, B.C. This report summarizes geological fieldwork carried out on the Adanac claim group describing economically significant base and precious metal bearing mineralization. The purpose of the report is to qualify targets for future mineral exploration and development within the subject property. This report is based on published and unpublished fieldwork carried out by various private sector mining company personnel and public sector government personnel as well as fieldwork carried out by the authors on the Adanac claim group. Geological, geochemical and geophysical data compiled by the authors has led to recommendations for work on the Adanac mineral claims which include a 2 phase program of core drilling, geological mapping, and geochemical survey grids.

2.0 LOCATION, ACCESS, AND PHYSIOGRAPHY (FIG. 1, 2, & 3)

The Adanac claim group is situated in the Atlin Mining Division, 25 kilometers northeast of Atlin, British Columbia (Figure 1 & 2). The claims are located on map sheet 104 N/11 W (Trim mapsheet 104 N 063, 064, 073, 074) at a latitude of 59° 41' N and longitude 133° 27' W.

Access to the claims is via the Pine Creek-Surprise Lake Road to Boulder Creek or Ruby Creek. The road follows the Boulder Creek valley to the Silver Diamond trench sites 300-500 m west of Boulder Creek at 1,300-1,400 m elevation(Tungsten 4), and to the Black Diamond Adit at 1,700 m elevation (Tungsten 3). The Ruby Creek valley leads to the Adanac porphyry molybdenite deposit located at 1,500 m elevation (Adanac claim).

The physiography of the area is considered typical of emergent topography (i.e. locally steep where erosion has rapidly removed valley material). Elevations on the property range from 3,280-6,229 feet (1,000-1,899 meters) above sea level. Slopes are generally moderate except for some cliffs in the vicinity of Ruby Mountain. The property is characterized by moderately sloped U-shaped valleys.

The Atlin area has a semi-arid, coastal climate with abundant vegetation up to tree line at about 4,920 feet (1,500 meters) elevation. The area above tree line is free of snow from late May to late September. At lower elevations (along the valleys) the area is free of snow from late April to early November. Lodgepole pine, balsam and spruce grow on the slopes with alder, birch, polar, and cottonwood.

3.0 PROPERTY STATUS

The Adanac property consists of 9 staked mineral claims held by Stirrup Creek Gold Ltd., White Rock, B.C. The property has not been legally surveyed. The property is situated in the Atlin Mining Division.

Details of the Adanac claim group mineral title are as follows:

CLAIM NAME	UNITS	RECORD NO.	RECORD DATE	EXPIRY DATE
Tungsten 1	20	385626	March 28, 01	June 3, 2003
Tungsten 2	18	385627	March 29, 01	June 3, 2003
Tungsten 3	18	390837	Nov. 7, 01	June 3, 2003
Tungsten 4	18	385629	March 29, 01	June 3, 2003
Tungsten 5	14	385630	March 29, 01	June 3, 2003
Tungsten 6	6	390838	Nov. 7, 01	June 3, 2003
Adanac	9	389898	Sept. 10, 01	June 3, 2003

Total area covered by the Adanac claims is 2,575 hectares (6,283 acres).

Two additional claims were staked at the completion of the fieldwork described in this report. The 2 additional claims (Tungsten 7 & 8) are not included in the current field program.

CLAIM NAME	UNITS	RECORD NO.	RECORD DATE	EXPIRY DATE
Tungsten 7	9	393518	Junel, 02	June 1, 2003
Tungsten 8	1	393519	June 1, 02	June 1, 2003

The author is not aware of any planned or existing land use that would adversely affect development of mineral resources on the subject property, however the placer mining claims and leases held by individuals and companies in Boulder Creek may be affected by possible development work related to lode metal mining.

4.0 AREA HISTORY

Placer gold mining dates back to 1898. The area flourished with placer gold mining camps at the turn of the century. Gold recovery from the Atlin's 3 most productive placer creeks are:

Rank-Stream Name	Recorded Ounces of Gold Produced From 1898 to 1946
1-Spruce Creek	262,603
2-Pine Creek	138,144
3-Boulder Creek	67,811

Boulder Ck is a N-S trending fault tributary to Pine Ck which flows WSW toward Atlin. The recovery of minor amounts of tungsten and tin mineralization from the Boulder Creek placer operations made this one of the few tin producing areas in British Columbia. Boulder, Pine and Spruce Ck are presently active with numerous placer gold mining operations.

The search for lode gold led to the discovery of numerous quartz vein and/or stockwork prospects such as the Imperial, Yellowjacket, Lakeview, Surprise, Golden View, Pictou, and Beavis. Many of the veins are located near the contact of ultramafic and volcanic rocks, and contain quartz, carbonate, pyrite, sphalerite, galena, chalcopyrite, and native gold (Bloodgood, 1989). Ore microscopy studies have identified electrum to argentiferous gold, galena, sphalerite, gerdorffite, bismuthinite, tetrahedrite, hessite and tetradymite.

Of the numerous lode gold showings in the Atlin area, only the Imperial (located approximately 8 km northeast of Atlin) has recorded production listed as follows:

Description	Tonnes	Au g/t
Imperial Upper adit driven 80-90 meters following NW trend steep S dip qtz.vein, mariposite & carbonate aleration, sparse sulphides (py.,gal.,cpy.), talc-carbonate schist along faults	245	13.7 g/t
Lower adit, same vein system	23	5.1 g/t

The largest known tin bearing skarn in Canada (the JC deposit, 1.25 Mt, grading 0.54% Sn) occurs in the Seagull batholith located 100 km NE of Surprise Lake. The Seagull batholith also hosts the Log-Tung porphyry with 162 Mt of 0.13% WO_3 and 0.03% MoS_2. The similarity between the Seagull and Surprise Batholiths suggests there may be skarns with significant tonnage potential (e.g. Silver Diamond) within margins of the Surprise Lake intrusive complex.

5.0 PROPERTY HISTORY

1900- Boulder Creek has been sporadically active with placer mining operations since 1900. The valley floor has been stripped of coarse glacial drift (2-30 meters thick) on either side of Boulder Creek for a distance of about 3 kilometers across a lateral width of 25-150 meters. Numerous access spurs to the Boulder Creek valley floor exist along the more developed west side of the creek bed. Some of the richest gold bearing placers in Boulder Creek are preserved from Quaternary glaciation by being buried by recent olivine basalt and pyroclastic debris (tephra) flows. Placer mining operations currently active on Ruby Creek strip Quaternary olivine basalt to access pay gravel. These buried gold-rich gravels were tunneled and developed as underground placer mines by previous workers.

1942: Consolidated Mining and Smelting Company of Canada Limited explored wolframite showings in Boulder Creek.

1943-52: Black Diamond Tungsten Limited acquired claims at the head of Boulder Creek and drove a 400 foot adit to explore the Black Diamond Vein. A shipment of one short ton assayed 15.8% WO_3

1967-70: Adanac Mining and Exploration Limited staked the valley at the head of Ruby Creek and carried out 13,000 meters of core drilling on the Adanac porphyry molybdenite deposit.

1970-71: Kerr Addison Mines Limited conducted extensive core drilling and underground development on the Adanac deposit.

1971-78: The Adanac molybdenum deposit was further developed by drilling and development work by Adanac Mining and Exploration Limited, Noranda Exploration Company Limited, and Climax Molybdenum Company. Six major rock units were identified in the vicinity of the Adanac molybdenum deposit. Cross-cutting relationships define an age sequence from oldest to youngest of coarse granite, medium-grained granite, crowded porphyry, porphyritic granite, equigranular granite, fine-grained granite, and composite porphyry dyke. Mineralization occurs as 2 vein types. The most common variety contains inward-penetrating molybdenite rosettes as large as 25 mm, in a smoky quartz matrix. The rosettes are erratically distributed along quartz vein boundaries, making accurate sampling of the Adanac molybdenite deposit difficult. Veins are locally vuggy and contain sparse fluorite, pyrite, and powellite. An average width is 3 mm, although 5 cm veins occur in the underground workings. The veins are widely spaced and generally dip less than 30 degrees. A second vein type <3 mm wide contains little quartz and dips steeply. Although composed largely of molybdenite, these veins are too widely spaced to

contribute to the tenor of the deposit (White, 1971). Areas of >0.1% molybdenite form blanket-like zones that reflect the gentle dips of the large molybdenite veins. Zones reach 60 m in thickness, but are commonly separated by 15-30 m of low grade mineralization. Molybdenite bearing veins occur in all rock types, but are most common in the corse grained granite, crowded porphyry, and porphyritic granite. Fine-grained granite dykes cut molybdenite bearing veins, but are also cut by the veins.

1978: Placer Development Limited optioned the Adanac molybdenum property and submitted Stage 1 & 2 feasibility reports to the Ministry of Energy, Mines and Petroleum Resources. The drilling on the Adanac resulted in defining an open pit mineable reserves of 152 Mt at 0.063% Mo at a cutoff grade of 0.04% Mo and a strip ratio of 1.5:1. The eventual size of the open pit mine would be approximately 1,036 X 550 X 198 m. The project was abandon due to declining molybdenum prices (after 1980).

1979: Yukon Revenue Mines Limited performed VLF-EM and magnetometer surveys and drilled seven winkie holes and trenched on the Silver Diamond skarn, giving the following results:

Polymetallic drill results	**Cu-W-Ag (Sn) drill & trench results**	**W-Ag (Au) trench results**
***23.5 ft** @ 2.21% Zn 0.3% Cu 0.14% WO_3 1.98 opt Ag	*11.5 ft @ **0.51% Cu** 0.22% WO_3 0.91 opt Ag	+5.0 ft @ **5.96 opt Ag** 0.16% WO_3
*9.2 ft @ **4.26% Zn** 0.25% Cu 0.19% WO_3 0.20% Sn **3.02 opt Ag** 0.24% Pb	+10.8 ft @ 0.6% Cu **0.41% WO_3** 1.38 opt Ag 0.04% Sn	+6.5 ft @ 0.82 opt Ag 0.12% WO_3 0.06 opt Au
+7.5 ft @ **17.7% Zn 0.64% Cu** 0.42% Pb 0.05% WO_3	*27.5 ft @ **0.58% Cu** **0.33% WO_3** 1.05 opt Ag	*8.5 ft @ 0.19%WO_3

Strong positive magnetic anomalies in the order of 200-1,000 gammas, have limited lateral extent appear on top of and adjacent to the Silver Diamond skarn mineralization exposed in the trenches. The mineralization associated with the Silver Diamond skarn consists of pyrrhotite-sphalerite-pyrite-scheelite-fluorite-chalcopyrite-tetrahedrite-cassiterite hosted in marble, garnet-pyroxene skarn. The massive sulphide lenses trend east to northeast and dip moderately north and northwest.

1982: Cream Silver Mines Limited performs rock sampling and mapping south of Ruby Mountain.

1990: Ministry of Energy, Mines and Petroleum Resources carries out regional stream sediment sampling. Two of the highest ranking RGS stream sediment samples which contained 140 and

250 ppm W came from NE trending creeks near the Thor and Hobo showings, which outcrop in the north portion of the claims. There appears to be an overall NE trend of quartz and/or skarn alteration along a 4 kilometer strike length. The RGS tungsten anomalies are within close proximity to the Adanac porphyry molybdenite deposit. The RGS survey indicates that the Surprise Lake batholith is the most strongly anomalous W and Sn in the province.

1997: Ministry of Energy, Mines and Petroleum Resources performs mapping and sampling of the Silver Diamond skarn. The distribution of skarn mineralization is spatially related to the marginal quartz-rich phases of the Cretaceous Surprise Lake batholith and Mount Leonard boss. The Surprise Lake intrusive complex is characterized by elevated fluorine and aplite/pegmatite late stage sills/dykes with volatile-rich residual fluids which carry minor amounts of rare-earth and uranium bearing minerals, for example allanite, apatite, and zircon.

2001: GSC flew 30,735 line kilometers of aeromag and corrected values were plotted to a 100 meter grid covering the entire Adanac claim group. The survey resulting in outlining very strong 1,000-2,000 gamma increases over Ruby Mountain and sharp 300-700 gamma decreases on the NE and SW flank of Ruby Mountain. The Adanac molybdenum deposit plotted a bullseye positive mag in the order of 50-100 gammas, suggesting that magnetite enrichment roughly correlates with molybdenite enrichment. Strong mag anomalies in the order of 1,000 gamma increases roughly outline the peridotite and serpentinite complex within the Pennsylvanian/ Permian Cache Creek Group, and occur on the NE and SW portions of the Adanac claim group. A 300 meter diameter bulls-eye mag anomaly of similar strength to the Adanac molybdenum deposit occurs on the Tungsten 8 claim near the mouth of Boulder Creek. Based on gold-bearing quartz vein structures present in Boulder Creek, and mineralized float present in this area, the aeromag anomaly located near the mouth of Boulder Creek may be a volcanic edifice, i.e. breccia pipe and/or diatreme. This type of occurrence is not documented in the Atlin area but has been postulated by William Wallis of Atlin (who currently holds the B+B claims immediately east of the Adanac and the Golden Aster claims immediately southwest of Boulder Creek)

6.0 GENERAL GEOLOGY

The map area is underlain by Pennsylvanian to Permian aged sedimentary and volcanic rocks of the Cach Creek Group which are intruded by Cretaceous Surprise Lake batholith and Mount Leonard boss granodiorite to granite. The main lithologies in the Atlin area are radiolarian chert, argillite, marble, submarine tholeiitic baslts and alpine-type ultramafic rocks, e.g. peridotite, serpentinite, dunite and gabbro . They are typically metamorphosed to sub-greenschist grade. The Late Cretaceous Surprise Lake batholith is a highly differentiated, fluoritic (averages 0.27% F) and peraluminous subalkaline body of adamellite-granite composition with beryl-apatite-coarse grained muscovite mineral assemblage in pegmatitic phases of the batholith.

Later phase alteration mineral assemblages consists of ;

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The quartz veining and skarn alteration host base and precious metal mineralization which contain W, Sn, U, F, Zn, Pb, Co, Cu, Mo, Ag and Au bearing sulphides and oxides. Tungsten occurs as disseminated scheelite ($CaWO_4$) and wolframite ($Fe,Mn\ WO_4$) in close association with pyrite(FeS_2), chalcopyrite($CuFeS_2$), sphalerite (Zn, FeS) and lesser galena (PbS), molybdenite (MoS_2), bismuthinite (Bi_2S_3), and tetrahedrite ($Cu_{12}Sb_4S_{13}$).

The dominant structures in the Atlin area are characterized by periods of intense brittle deformation indicated by crack-seal textures associated with vein systems and zones of repeated brecciation. Two major fault systems have been mapped in the Atlin region. A series of ENE trending faults such as Pine Creek, Union Mountain, and Adera are complimented by a series of N trending fault systems such as Boulder Creek, Otter Creek and Golden View.

7.0 2002 FIELDWORK

7.1 METHODS AND PROCEDURES

A total of 28 rock chip, 142 soil samples and 7 silt samples were taken from the Silver Diamond and Black Diamond grid areas (Fig.4,5,6). The rock chip samples were taken from exposed outcrop (unless marked as grab or float samples) using a rock hammer and maul. Each rock sample consisted of about 2 kg of rock chips (1-4 cm width). Rock chip samples were placed in marked bags and shipped to Pioneer Labs, Richmond, B.C. for 30 element ICP and Au geochem. Soil samples were taken with a grubhoe from a depth of 20-60 cm from a poorly developed 'B' horizon in the soil profile. Soil was placed into marked kraft bags, dried and shipped to Pioneer Labs, Richmond, B.C. for 30 element ICP and Au geochem. The stream sediment samples were taken with a shovel from active creekbeds, screened through a -20 mesh into a pan, and transferred into marked bags and shipped to Pioneer Labs, Richmond, B.C. for 30 element ICP and Au geochem.

Geological mapping was carried out over the grid areas. The Silver Diamond and Black Diamond grid was mapped at scale of 1:10,000 covering an area of about 250 hectares (Fig. 5,6).

Magnetometer readings were taken on the Silver Diamond grid along E-W lines at a spacing of 12.5 meters using a Geometrics G-836 proton procession magnetometer. Corrections for diurnal variation were done by looping. A total of 328 readings were taken along 4.1 kilometers of E-W trending grid lines (Fig. 7).

7.2 GEOLOGY AND MINERALIZATION

The Adanac claim group is underlain by the following lithologies:

TERTIARY AND QUATERNARY VOLCANICS
- 11 Olivine Basalt, Pyroclastic debris, Tephra

CRETACEOUS MT. LEONARD BOSS, PERIPHERAL PHASE OF THE SURPRISE LK. BATHOLITH
- 10 Coarse grained Qtz. Monzonite, Includes transitional facies to Hybrid Porphyry
- 9 Mafic (Biotite-rich) Qtz. Monzonite Porphyry
- 8 Sparse Qtz. Monzonite Porphyry
- 7 Crowded Qtz. Monzonite Porphyry
- 6 Fine-grained Qtz. Monzonite Porphyry
- 5 Mafic (Biotite-rich) Sparse Aplite and Aplite Porphyry

JURASSIC/CRETACEOUS 4TH OF JULY BATHOLITH
- 4 Diorite

PENNSYLVANIAN/PERMIAN CACHE CK. GROUP
- 3a Peridotite (weakly metamorphosed)
- 3b Serpentinite
- 3c Serpentinite with strong carbonate alteration
- 2 Undifferentiated metavolcanic & metasedimentary
- 2a Metavolcanic
- 2b Metasediment
- 2c Chert
- 1 Marble

The Adanac claim group is predominantly underlain by Cretaceous intrusive rocks with a wide assortment of altered and deformed ultramafic, sedimentary and volcanic rocks of the Paleozoic Cache Creek Group, occurring as pendants and screens with the intrusive complex. There has been a considerable amount of Miocene and Quaternary mafic volcanics which has resulted in re-activation of the major faults in the claim area. In the north portion of the claim area the dominant structural trend is 060 and 000 degrees, with a minor trend of 135 degrees. The style of faulting is predominantly normal, resulting in graben-horst type, steeply dipping structures and horizontally oriented pull apart or dilate zones. The Adera Fault complex bounds the north limit of the Adanac molybdenum deposit, and strikes 065 degrees, dipping 80 N. The Adera Fault complex is defined by a zone of intense argillization and slickensided molydenite across a width of 37-150 m. This fault complex has been examined by numerous geologists without any success in determining fault displacement vectors.

The Adanac molybdenite deposit lies entirely within the Cretaceous intrusive complex with various porphyritic and aplitic phases. The Black Diamond prospect lies mostly within coarse grained Cretaceous granitic intrusive phases of the Mt. Leonard Boss, with the exception of the east portion of the prospect which adjoins skarn mineralization hosted in Paleozoic marble. Elevated gold values (with lead, arsenic & antimony) occur in the east portion of the Black Diamond. The Silver Diamond is hosted in Paleozoic sediments (marble and chert), volcanics (greenstone) and ultramafic rocks (peridotite and serpentininte) with pyroxene-garnet-amphibole skarn alteration and mineralization consisting largely of pyrrhotite and sphalerite with minor pyrite, chalcopyrite, scheelite, galena, cassiterite, and tetrahedrite. The Silver Diamond skarn also has elevated values of Sn, Ag, Bi, Cd, and Te. The South prospect is hosted in the Mt Leonard Boss intrusive complex and with a Sn-W-Au-Cu-Mo-Pb association the vein system has geological and geochemical affinities with "Pogo"(Alaskan deposit hosted in Proterozoic gneiss intruded by Mid-Cretaceous diorite, granodiorite, pegmatite and aplite resulting in auriferous quartz zones >5 million tonnes @ 0.51 opt Au) plutonic-related gold (i.e. gold-quartz veins associated with granitic intrusions). The aeromag survey flown in 2001 by the GSC shows a bulls-eye mag high located 600 m south of the South prospect (located in Boulder Creek on the Tungsten 7 claim). Subsequent ground mag surveys confirm a strong positive mag feature near the Surprise Lake road on Boulder Creek and it is likely this is a small stock and/or metamorphic aureole with gold potential.

Rock chip samples taken from the Silver Diamond skarn show significant silver, zinc, copper and tungsten values (Fig. 5, note: tin and fluorine were not analyzed). The best values of base metals and silver were obtained from massive and semi-massive sulphide lenses near the contact with marble and greenstone within the altered and deformed Cache Creek Group metasediments and metavolcanics. A considerable amount of fluorite occurs in the marble.

SILVER DIAMOND- ROCK CHIP SAMPLE DESCRIPTIONS & GEOCHEM ANALYSIS

Sam-ple #	Wid-th	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
SD-AR-1	1.0 m	Skarn, py.,pyo.,cpy.,sph.,massive sulphide trending 090, dip 65 N	25,139	78,897	2	369.5	95
SD-AR-2	1.0 m	Skarn, py., pyo., cpy., adjacent to AR-1	4,775	144	66	18.3	17
SD-AR-3	1.0 m	Skarn, massive pyo., py., trace cpy.,	1,524	265	336	6.6	15
SD-AR-4	1.0 m	Same as above	635	3,011	266	7.1	21
SD-AR-5	0.7 m	Coarse grained qtz monz. hosted Qtz.vein with trace galena, cassiterite	33	377	79	106.4	8
SD-AR-6	0.3 m	Qtz.veining with py., pyo., cpy., mal., pyo., chl., scheelite	82	21	5	0.3	1

Sam-ple #	Wid-th	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
SD-AR-7	grab	Old sloughed in trench. Skarn boulders with py., pyo., cpy., sph., scheelite	37	19	5	0.5	26
SD-AR-8	0.7 m	Qtz vein, sparse sulphides, hosted in coarse grained qtz monz. (located 5 m north of AR-5), old trench beside road	491	452	564	34.7	564
SD-AR-9	0.4 m	Qtz vein, pyo., sph., py. cpy., scheelite with mixed skarn/peridotite host rock	145	92	183	13.6	6
SD-AR-10	0.5 m	Qtz.vein with pyo., py., cpy., sph.,	153	266	884	32.5	8
SD-AR-11	1.0 m	North Zone Adit, quartz vein >1% sulphides, host qtz. monz. porphyry	31	13	81	1.0	280
SD-AR-12	grab	Qtz carbonate with py.,cpy.,cutting serpentinite & greenstone host rock	312	12	65	0.4	3
SD-AR-13	float	Angular qtz.vein material with sparse limonite from old sloughed in trench	26	19	48	0.3	1
SD-AR-14	float	Peridotite and serpentininte with disseminated cpy., py.	819	47	5	0.3	3
SD-AR-15	float	Qtz. veining with 3% py., trace cpy. as fracture coatings	46	12	276	0.9	3
SD-AR-16	1.0 m	Qtz.-carbonate veining in qtz.monz. porphyry, 1% py, trace cpy.	35	46	22	0.3	1
SD-AR-17	float	Qtz.-carbonate vein with py., pyo., cpy.	67	24	10	0.9	1

The Black Diamond prospect consists of a 060 trending, dipping 60 degrees NW, quartz-pyrite-scheelite-wolframite vein system with minor chalcopyrite, arsenopyrite and molybdenite. A bulk sample of one short ton of ore in 1943 assayed 15.8% WO_3. The occurrence is hosted in grey to pink, equigranular, coarse-grained quartz monzonite and lies very close to the south margin of the stock where it is in contact with metavolcanic and metasedimentary rocks of the Paleozoic Cache Creek Group.

BLACK DIAMOND- ROCK CHIP SAMPLE DESCRIPTIONS & GEOCHEM ANALYSIS

Sample #	Width	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
BD-AR-1	1.0 m	Qtz.vein with py., scheelite, tourmaline	19	20	607	0.8	12
BD-AR-2	1.0 m	Qtz.vein with py.,limonite, hosted in qtz. monz. porphyry	16	7	107	4.6	26
BD-AR-3	1.0 m	Same as above	16	6	189	8.5	2
BD-AR-4	1.0 m	Same as above	38	13	164	33.6	25
BD-AR-5	0.7 m	Qtz.vein with py., scheelite, and hornblende crystals to 2cm	195	48	1.079	4.8	40
BD-AR-6	0.3 m	Qtz.veining with py., cpy., gal., arsenopyrite, strong jarosite alteration	1,888	261	13	178.1	13,100
BD-AR-7	0.5 m	Qtz crystals, pyrolusite fracture filling	74	133	402	1.1	6
BD-AR-8	0.5 m	Qtz.vein with scheelite, py.	174	25	131	248.7	75
BD-AR-9	0.4 m	Same as above	1247	1392	687	16.7	10
BD-AR-10	0.5 m	Qtz.vein with py., sericite	28	100	15	4.6	15
BD-AR-11	1.0 m	Same as above	28	27	4	0.3	4

Rock chip sample BD-AR-6 elevated values of copper, arsenic, silver and gold hosted in quartz gangue. This sample varied from other samples by the presence of strong greenish-yellow alteration which presumably comes from jarosite and/or in part from cerussite/anglesite (Lead carbonate or sulphate). This sample (BD-AR-6) is located adjacent to a soil geochemical anomaly at BD 7+00 N and BD 7+50 N which gave the following results:

Soil grid ref	ppm Cu	ppm Pb	ppm Ag	ppm As	ppm Sb	ppm Bi	ppb Au
BD 7+00 N	513	3,553	40.5	8,437	623	220	410
BD 7+50 N	501	3,206	31.4	6,253	348	202	380

The BD-AR-6 rock sample and BD L 7+00 & 7+50 N soil anomaly zone is located in an area of sharp magnetic contrasts northeast of Ruby Mountain (GSC Open File 4101, Surprise Lake, 104 N/11 Aeromagnetic Total Field Map, 2002). The marginal moderate to weak strength anomaly

located immediately north of Ruby Mountain (which forms a strong sharp and well defined aeromagnetic high) roughly correlates with the anomalous Cu-Pb-Ag-As-Sb-Bi-Au values obtain from rock chip and soil anomalies defined by sampling of the northeast extension of the Black Diamond quartz fissure vein system. The area between 7+00 and 7+50 N represents a first order drill target and several angle drill holes should be collared 40-80 m northwest of the east-northeast trending, steep north dipping quartz vein structure to test for continuity of precious metal bearing mineralization to a depth of approximately 40-120 meters.

7.3 SOIL GEOCHEMISTRY

Soil samples from the Black Diamond baseline at the following grid reference relative to the Black Diamond portal, BD 7+00 N and BD 7+50 N gave the following results:

Soil grid ref	ppm Cu	ppm Pb	ppm Ag	ppm As	ppm Sb	ppm Bi	ppm W	ppb Au
BD 7+00 N	513	3,553	40.5	8,437	623	220	248	410
BD 7+50 N	501	3,206	31.4	6,253	348	202	150	380

This soil anomaly is coincident with rock chip sample BD-AR-6 which contains elevated Cu-Pb-Ag-As-Sb-Bi-Au values.

A second zone of elevated Cu-As-Sb-Bi-Au in soil occurs near the Black Diamond portal:

Soil grid ref	*ppm Cu*	*ppm Pb*	*ppm Ag*	*ppm As*	*ppm Sb*	*ppm Bi*	*ppm W*	*ppb Au*
BD 0+00 N	203	98	5.9	394	51	127	588	26
BD 1+00 N	199	39	3.3	55	8	12	20	27
BD 1+50 N	227	81	4,0	276	42	199	436	20

The Black Diamond soil sampling survey should be extended in the area of the portal and from 6+50 N to 10+00 N covering 200 meters grid east and grid west of the baseline (azimuth 060).

The Silver Diamond soil sampling grid outlined a weak gold near Boulder (4+00 N, 5+50 E) Creek, this area corresponds to the South (Garnet) showing zone, which is postulated as a source for placer gold in Boulder Creek. In addition to elevated gold values in stream sediments, there are slightly elevated copper and tungsten values in the Boulder Creek Zone, which is also at the contact of sparse quartz monzonite porphyry and coarse grained quartz monzonite. The intrusive contact area is characterized by abundant quartz-pyrite veining and muscovite-sericite wall-rock alteration. The main zones of quartz veining appear to follow the major north-south trending and steeply dipping fault system along the axis of Boulder Creek. This fault zone is considered to be a drill target in the area 100 m downstream from the abandon bunkhouse along the axis of

Boulder Creek and a parallel north-south trending fault zone that occurs 5-15 m west of SD-AS-3 (220 ppb Au) is also considered to be drill target with plutonic-related gold quartz potential. The Silver Diamond grid (7+00 N to 17+00 N) contains two main areas of silver enrichment: 1) In the trench area between 10+00 N and 12+00 N, 1+50 W to 2+75 W. 2) In the trench area at 16+00 N, 0+50E to 1+00 E. The first silver anomaly zone roughly correlates with a fluorite rich pyrrhotite-sphalerite lenses within pyroxene-garnet-diopside skarn. The second anomaly is further north and is hosted by coarse grained quartz monzonite. The second silver zone in the north portion of the grid area, is spatially confined to a 25 X 50 m area near the trench along the side of the access road. Both silver anomalies show very good correlation with elevated copper. The tungsten values in the Silver Diamond prospect are widespread and do not show a very good correlation with copper or silver. The zinc values in soil samples were surprisingly low considering there is a considerable amount of sphalerite visible in the skarn altered outcrop. The nickel values in soil samples do not reflect any strong pattern and it is likely the main mass of ultramafic rocks outcrop to the west of (or upslope) from the Silver Diamond grid area..

7.4 MAGNETOMETER SURVEY

Of the 328 magnetometer readings taken on the Silver Diamond grid, values range from 56,509 to 58,452 gammas with an average value of 57,400 gammas. Strong positive anomalies (i.e. values >58,000 gammas) occur on the west portion of L 1000 N which coincides with trenches and several winkie drill holes performed by Yukon Revenue Mines Ltd. in 1979. The trenching and drill holes were confined to the area between 200 W and 300 W (on L 1000 N), and the magnetometer readings show a strong positive anomaly that extends west to 312.5 W and another strong positive anomaly from 462.5 W to 487.5 W. The positive anomaly between 250 W and 312.5 W on L 1000 N extends north to L 1100 N. There is also a strong negative anomaly (i.e. <57,000 gammas) from 412.5 W to 437.5 W on L 1000 N. An isolated one reading positive anomaly occurs on L 800 N 112.5 W which coincides with an artesian spring, but no soil geochemical anomalies occur in this area.

8.0 DISCUSSION OF RESULTS

Since the Surprise Lake batholith evolved at a high level in the crust, the residual melt contained complex sulpher depletion and enrichment along with silica saturation and high fluorine, resulting in many possible ore types within a short distance. An example of the variability of available sulpher and rapid fluctuations in oxidation and reducing conditions are illustrated by Yukon Revenue Mine's 1979 winkie drill holes and trenching on the Boulder Creek Silver Diamond showing fluorite skarn.

In comparison with other skarn occurences in the Atlin area, sulphide/oxide minerals from the Silver Diamond show elevated quantities of F, Cu, W, Bi, Ag, Pb, Zn, Cd, and Se with relatively depleted values of U, Be, Hg, and Au. The presence of pyrrhotite and hedenbergite-rich pyroxene in the Silver Diamond occurrence suggest a reducing environment of deposition and

close proximity to the intrusive complex that generates mineral-rich emanations. The style of skarn mineralization in the area of a highly evolved-volatile stock suggests potential for disseminated and fracture filling bulk tonnage base and precious metal mineralization at depth, underlying the Silver Diamond skarn and Black Diamond quartz-sulphide fissure vein showings.

The Adanac molybdenum deposit is spatially related to the release of hydrothermal fluids from unit 6, the fine-grained quartz monzonite, unit 7, the crowded porphyry and unit 8, the porphyritic granite/quartz monzonite, aka Ruby Creek stock (Christopher, 1982). The ring shaped mineral zone is draped around unit 8 (the sparse porphyry), and a chemically more evolved, and probably younger, fine grained phase is also well mineralized. The higher grade zone is situated on the east side of the sparse porphyry cupola and coincides with the injection of the fine-grained quartz monzonite sill.

9.0 CONCLUSION

The Adanac claim group has potential to host an economic precious and base metal deposit based on the following facts:

1) The Adanac molybdenum deposit (open pit resource of 152 Mt @0.063% Mo with a strip ratio of 1.5:1) has a positive feasibility study (i.e. the cost of maintaining a 30,000 tpd operating open pit molybdenum mine would be profitable) based on the relative demand for molybdenum (i.e. higher molybdenum oxide prices, e.g.US $4.00-5.00/lb for Mo oxide).

2) The potential for plutonic related gold quartz is demonstrated by sample BD-AR-6 which returned a geochemical analysis of 13,100 ppb Au and 178.1 ppm Ag accross a width of 1.0 meter. Soil samples taken either side of this rock chip sample confirm the presence of precious metals yielding 410 and 380 ppb Au and 40.5 and 31.4 ppm Ag.

3) Previous drilling of the Silver Diamond skarn by Yukon Revenue resulted in a core drill intersection of 23.5 feet of 2.21% Zn, 0.36% Cu, 0.14% WO_3, 1.98 opt Ag (67.9 g/t Ag).

5) Mining infrastructure is relatively well established with placer mines operating well into the winter months on Boulder, Pine, and Ruby Creeks.

10.0 RECOMMENDATIONS

PHASE 1

1) Diamond drilling to a depth of approximately 148 m (485 feet) in a fence pattern is recommended to test coincident soil, rock and stream sediment Au anomalies for mineralization at depth. Total diamond drilling to amount to 885 meters (2,900 feet). Approximately 2 diamond drill holes should be collared at the east extension of the Black Diamond quartz-sulphide fissure vein. Also 2 holes should be collared at the Boulder Creek north-south trending fault structure in the vicinity of the cabins at 4+00 N 5+50 E. One of the Boulder Creek Zone drill holes should be directed toward the parallel

north-south trending fault zone approximately 125 m west of Boulder Creek.

2) Detailed geological mapping in the area of the drilling, and additional geological mapping within the property.

3) Potassium feldspar staining kit applied to core samples to determine alteration zoning

4) Trenching lateral extensions of mineralized structures along strike,

PHASE 2

Contingent on the results of phase 1 drilling, additional grid spacing diamond drilling is recommended. The total diamond drilling in phase 2 would amount to 1,270 meters (4,160 feet). Additional geological mapping and sampling is also recommended.

PROPOSED BUDGET

PHASE 1

Item	Description	Amuont (Cdn$)
Personnel: Geologist Field Assistant Cook	 40 days X $300/day 40 days X $250/day 40 days X $175/day	 12,000 10,000 7,000
Camp costs Satellite phone Equipment (generators, saws)	40 days X $100/day 2 months X $1,000/month	4,000 2,000 1,000
Drilling	1000 meters @ $75.00/meter	77,500
Expenses Food Fuel Travel	 280 man-days X $20/man/day	 5,600 2,000 3,000
Transportation	Trucks, fuel, etc.	11,000
Analytical Core and rock samples	 400 samples X $25/sample	 10,000
Communication Telephone and Fax		 1,500
Report and drafting		2,500
Filing Fees	30 units X 3 years	900
Total		**150,000**

PROPOSED BUDGET- PHASE 2

Item	Description	Amuont (Cdn$)
Personnel: Geologist Field Assistant Cook	 50 days X $300/day 50 days X $250/day 50 days X $175/day	 15,000 12,500 8,750
Camp costs Satellite phone Equipment (generators, saws)	50 days X $100/day 2 months X $1,000/month	5,000 2,000 1,000
Drilling	1,270 meters @ $75.00/meter	95,250
Expenses Food Fuel Travel	 350 man-days X $20/man/day	 7,000 2,500 4,000
Transportation Helicopter charters	 29 hrs. X $1,000/hr	 29,000
Analytical Core and rock samples	 500 samples X $25/sample	 12,500
Communication Telephone and Fax		 1,600
Report and drafting		3,000
Filing Fees	30 units X 3 years	900
Total		**200,000**

TOTAL PHASE 1 & 2 = $ 350,000

11.0 **REFERENCES**

Bloodgood, M.A., et.al., Geology and Mineralization of the Atlin Area, B.C. Energy, Mines, & Petroleum Resources, Geological Fieldwork 1988, Paper 1989-1.

Ettlinger, A.D., Ray, G.E., 1989. Precious Metal Enriched Skarns in British Columbia: an Overview and Geological Study, B.C. Ministry of Energy, Mines and Petroleum Resources. Paper 1989-3, 128 p.

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White, W.H., et.al, 1971, Adanac (Ruby Creek), Porphyry Molybdenum Deposits of the Calc-Alkaline Suite, Paper 47, CIM Special Volume No. 15. p 476-483.

CERTIFICATE

I, Andris Kikauka, of Sooke, B.C., hereby certify that;

1. I am a graduate of Brock University, St. Catharines, Ont., with an Honours Bachelor of Science Degree in Geological Sciences, 1980.

2. I am a Fellow in good standing with the Geological Association of Canada.

3. I am registered in the Province of British Columbia as a Professional Geoscientist.

4. I have practiced my profession for eighteen years in precious and base metal exploration in the Cordillera of Western Canada, U.S.A., South America, and for three years in uranium exploration in the Canadian Shield.

5. The information, opinions, and recommendations in this report are based on fieldwork carried out in my presence on the subject properties.

6. I have a direct interest in the subject claims and securities of Stirrup Creek Gold Ltd. and this report is not intended for the purpose of statement of material facts and/or related public financing.

Andris Kikauka, P. Geo.,

A. Kikauka

July 15, 2002

ITEMIZED COST STATEMENT- Adanac Claim Group, Atlin M.D., May 1-31, 2002

FIELD CREW:	
A. Kikauka (Geologist) May 1-12, 26-31 18 days	$ 4,500.00
K. Neill (Geotechnician) May 26-31 6 days	1,200.00
FIELD COSTS:	
Mob/demob	719.00
Assays 28 rock, 142 soil, 7 silt 30 element ICP and Au	2,763.00
Food & Accommodation	715.00
Report	575.00
Total =	**$ 10,472.00**

STIRRUP CREEK GOLD INC., 2A 15782 MARINE DR., WHITE ROCK, B.C. V4B 1E6
ph.(604) 531-9639, fax(604) 531-9634 e-mail Verdstone@axionet.com, President- Larry Reaugh

TUNGSTEN 1-6 & ADANAC CLAIM LOCATION MAP

Atlin Mining Division, NTS 104 N, Scale 1:250,000

0 5 10 Km.

Minfile #	Name	Commodity
104 N 006	Black Diamond	W,Au, Cu, Mo, Fl, U
104 N 015	Thor	W, Ag, Mo, Pb
104 N 018	Birch Ck	W
104 N 027	Boulder Ck	W, Au, Sn
104 N 051	Hobo 1	Mo, Ag, Pb, W
104 N 052	Adanac	Mo, Fl, W
104 N 053	South	W, Au, Mo, Cu, Pb, Sn
104 N 054	North	W
104 N 069	Silver Diamond	W, Sn, Ag, Zn, Cu, Fl, Pb, Mo
104 N 073	Sunbeam	Au
104 N 105	Ruby Mtn	Magnetite
104 N 127	Ruby Mtn	Pb

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. A. KIKAUKA
GEOSCIENTIST

CLAIM LOCATION MAP

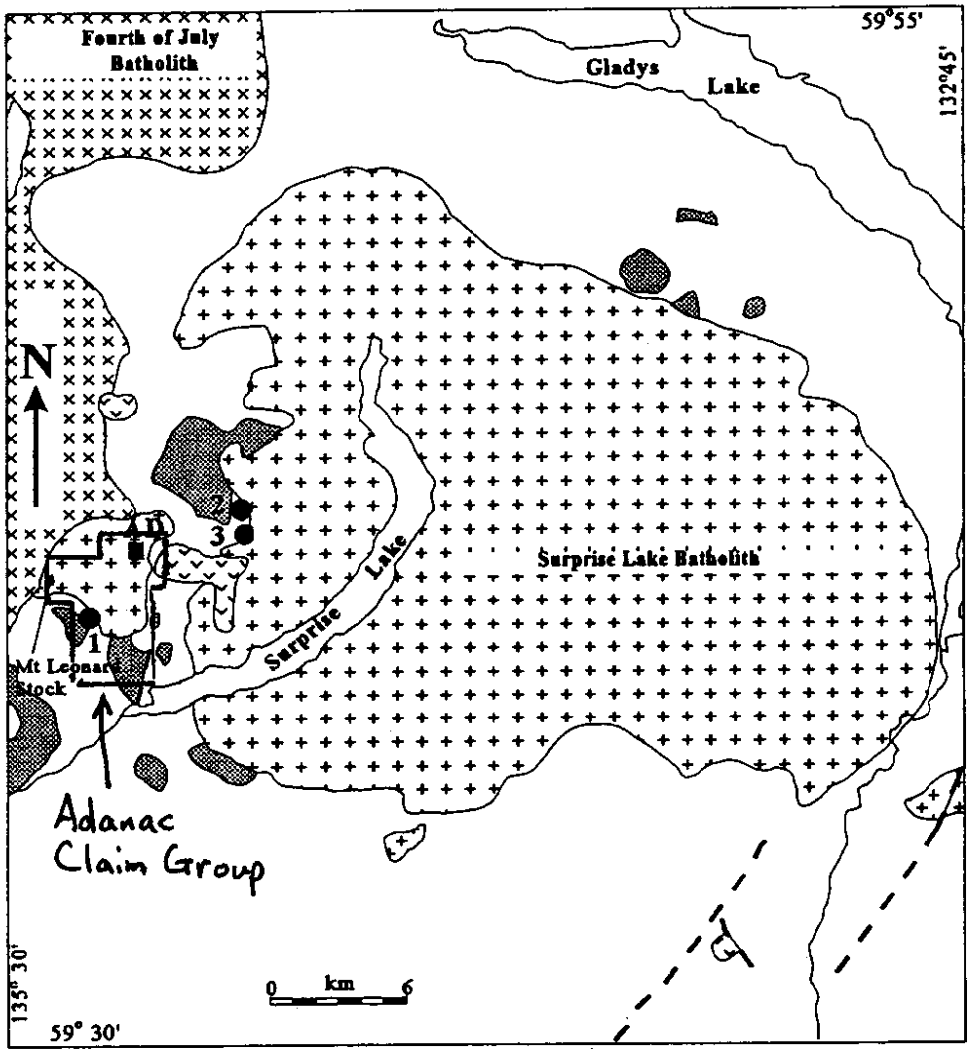
TRIM NTS 104 N 063, 064, 073, 074

SURPRISE LAKE, ATLIN, B.C.

ATLIN MINING DIVISION FIG. 2

6624000
6623000
6622000
588000
589000
591000
592000
372574
ADANAC
389898
35X3W
(235483)
TUNGSTEN 1
385626
5NX4W
(235478)
699027M
AUS 1
388221
104 N 073
Tungsten 6
2N 3E
TUNGSTEN 2
385627
3NX6W
Tungsten 3
6E 3N
235479
235481
235482
GEM 2
387875
5NX4W
(238269)
TUNGSTEN 4
TUNGSTEN 5
104 N 063
LZS1
381131
687934M
385629
385630
104 N 064
6615000
6SX3W
7SX2E
APL #2
378604
694006M
0 1.0 Km
6614000
Tungsten 8
Tungsten 7
3S 3E
LAKEVIEW
390203
238269
5NX4W

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. A. KIKAUKA
GEOSCIENTIST



QUATERNARY

Olivine basalt

CRETACEOUS (Surprise Lake Plutonic Suite)

Granite, adamellite

JURASSIC (Fourth of July Batholith)

Granite

AD Adanac Porpyry Mo deposit

CARBONIFEROUS-JURASSIC (Cache Creek Group)

Ultramafic rocks

Chert, argillite, greenstone and marble

Geological contact

Fault

ATLIN Sn SKARNS

1 Silver Diamond

2 Atlin Magnetite

3 Daybreak

Figure 3. Geology and location of skarns associated with the Surprise Lake plutonic suite near Atlin, northwest B.C. (geology after Aitken, 1959).

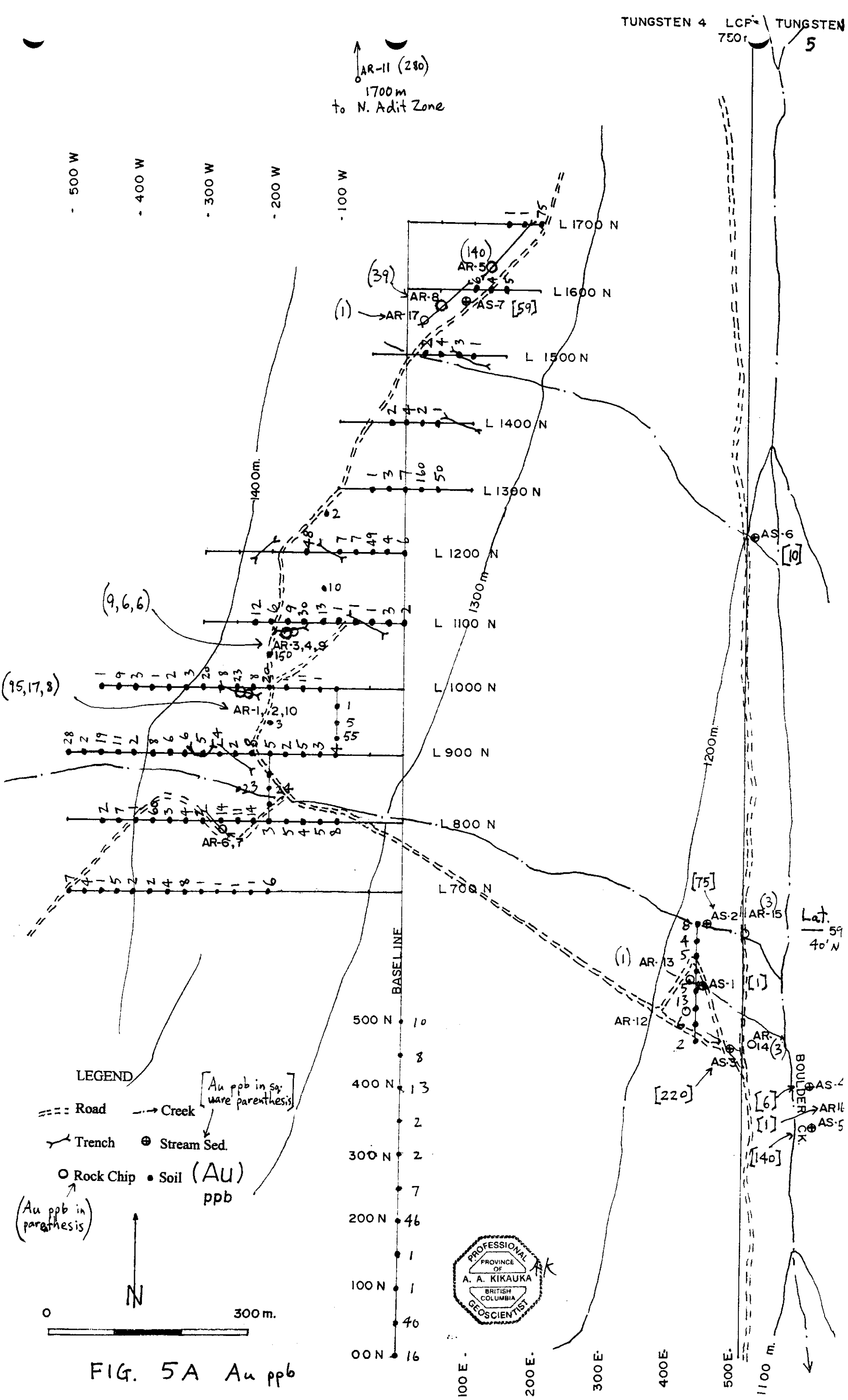


FIG. 5A Au ppb

SILVER DIAMOND GRID- SAMPLE LOCATIONS

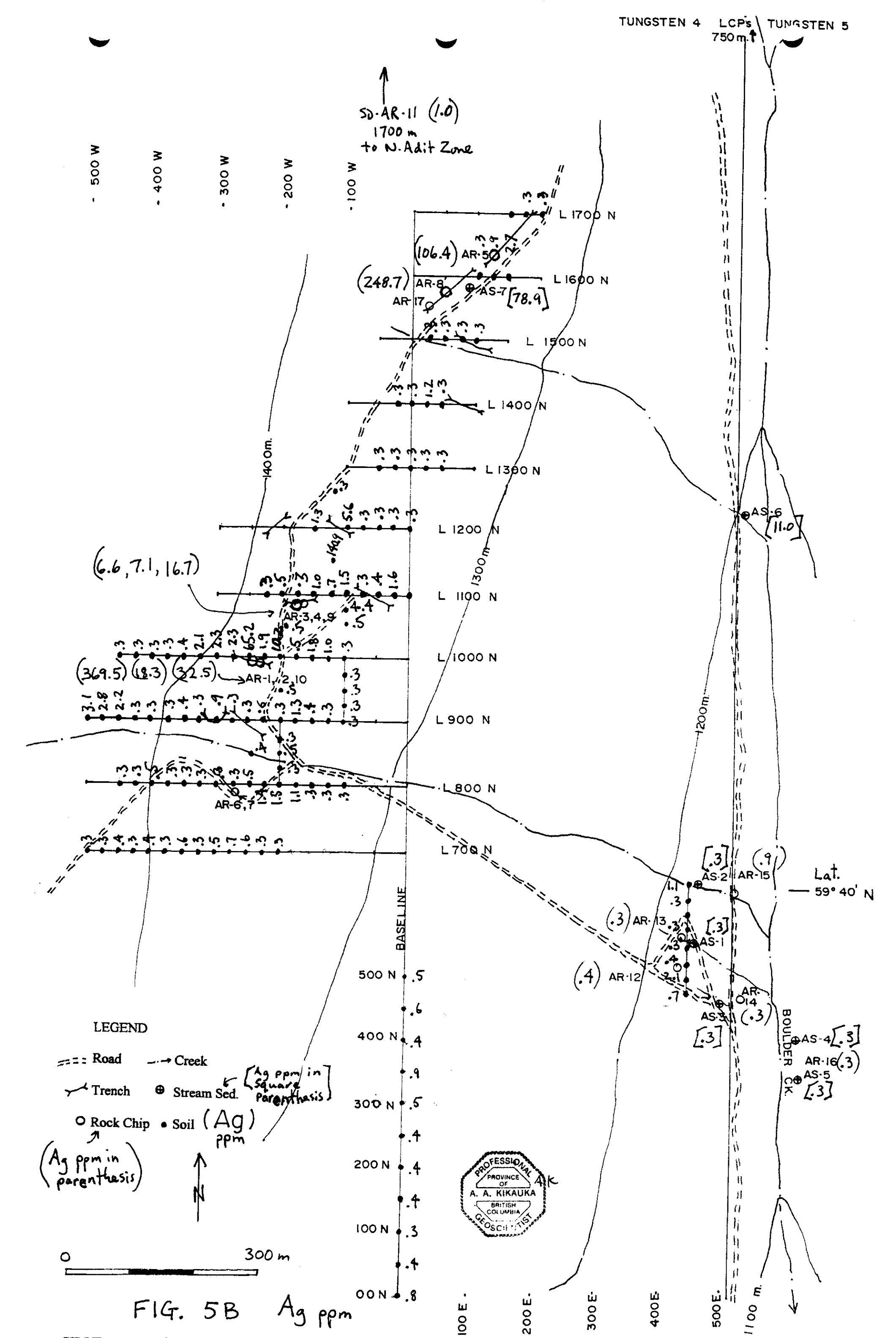


FIG. 5B Ag ppm

SILVER DIAMOND GRID- SAMPLE LOCATIONS

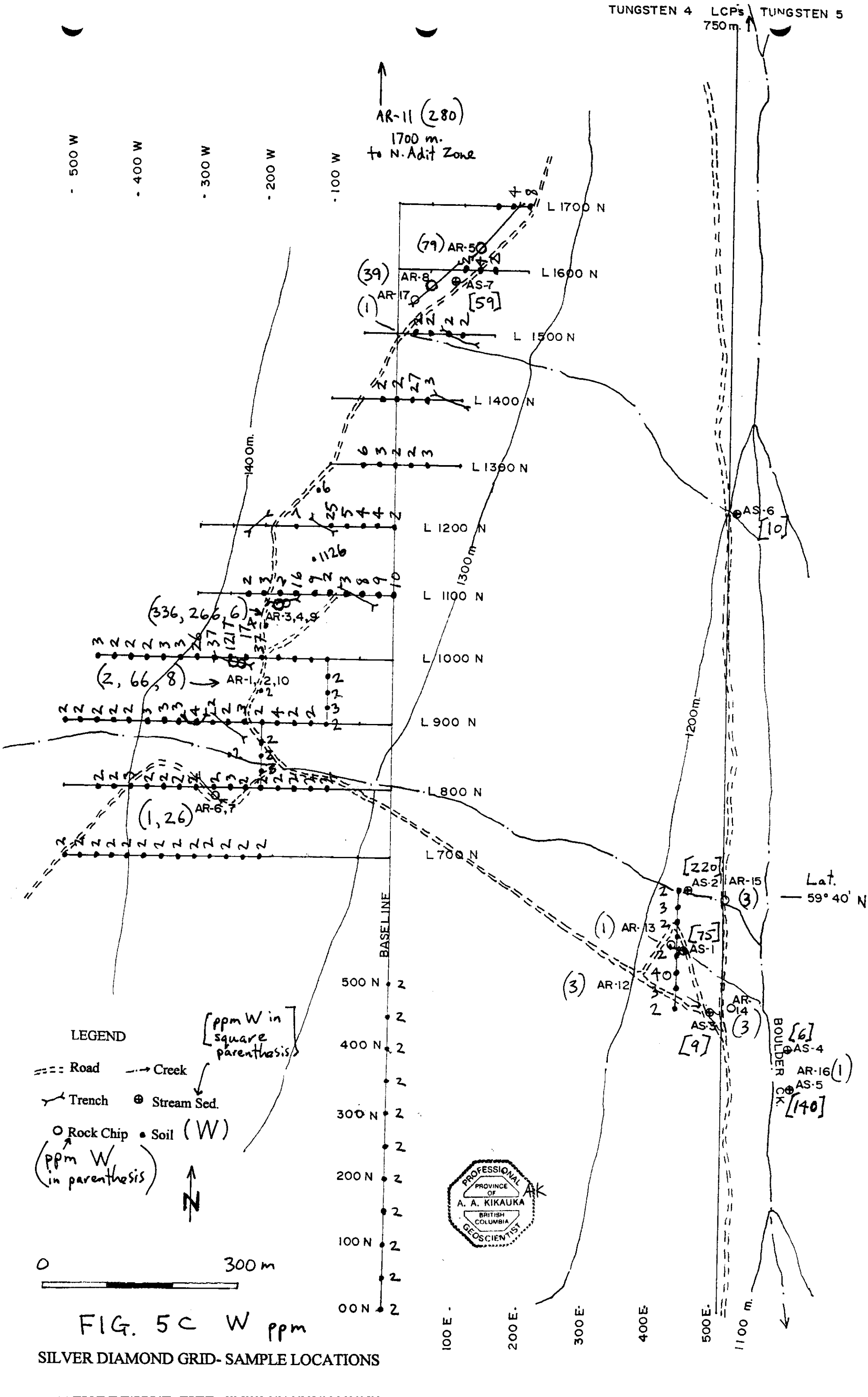


FIG. 5C W ppm

SILVER DIAMOND GRID- SAMPLE LOCATIONS

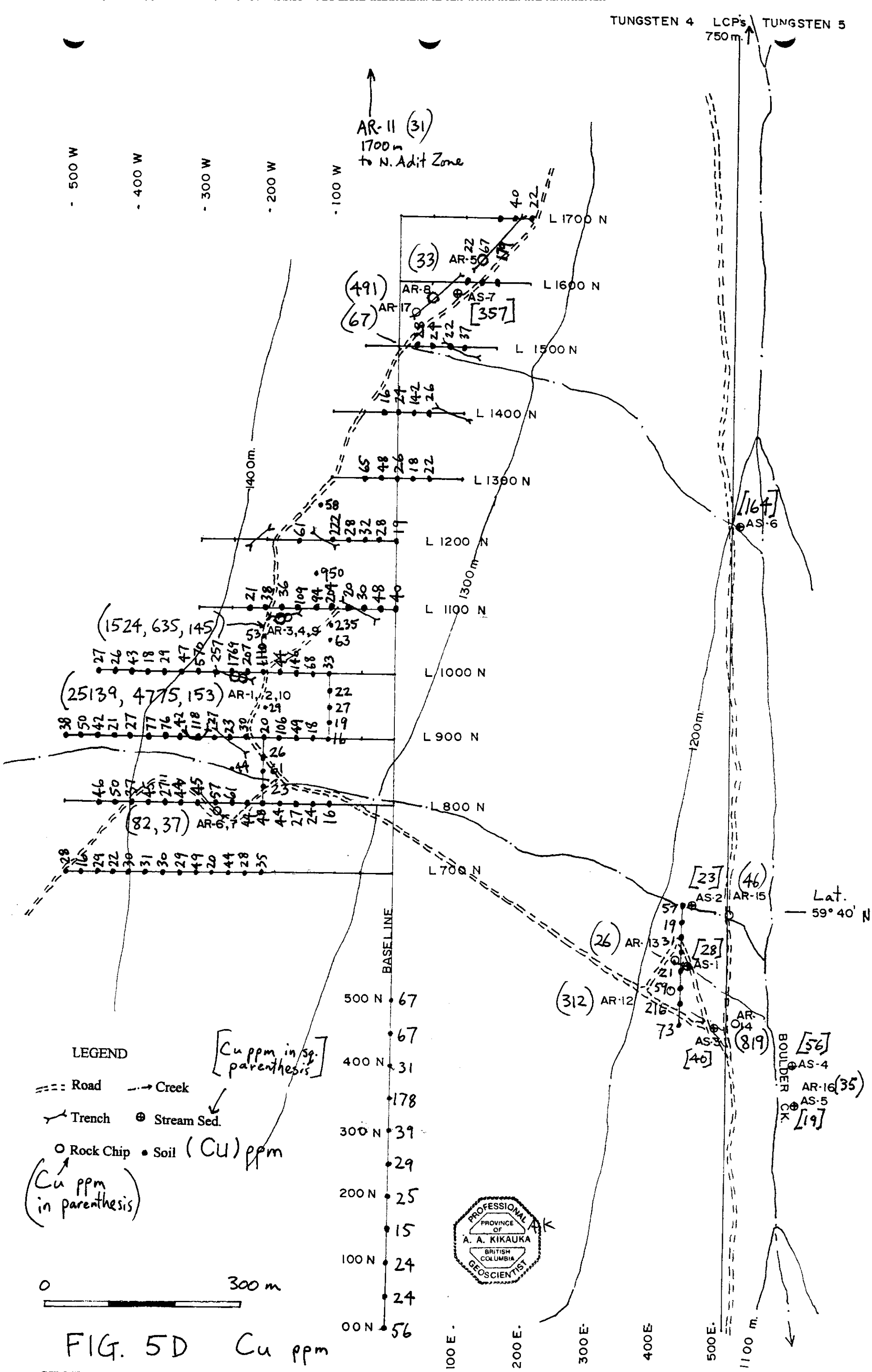


FIG. 5D Cu ppm

SILVER DIAMOND GRID- SAMPLE LOCATIONS

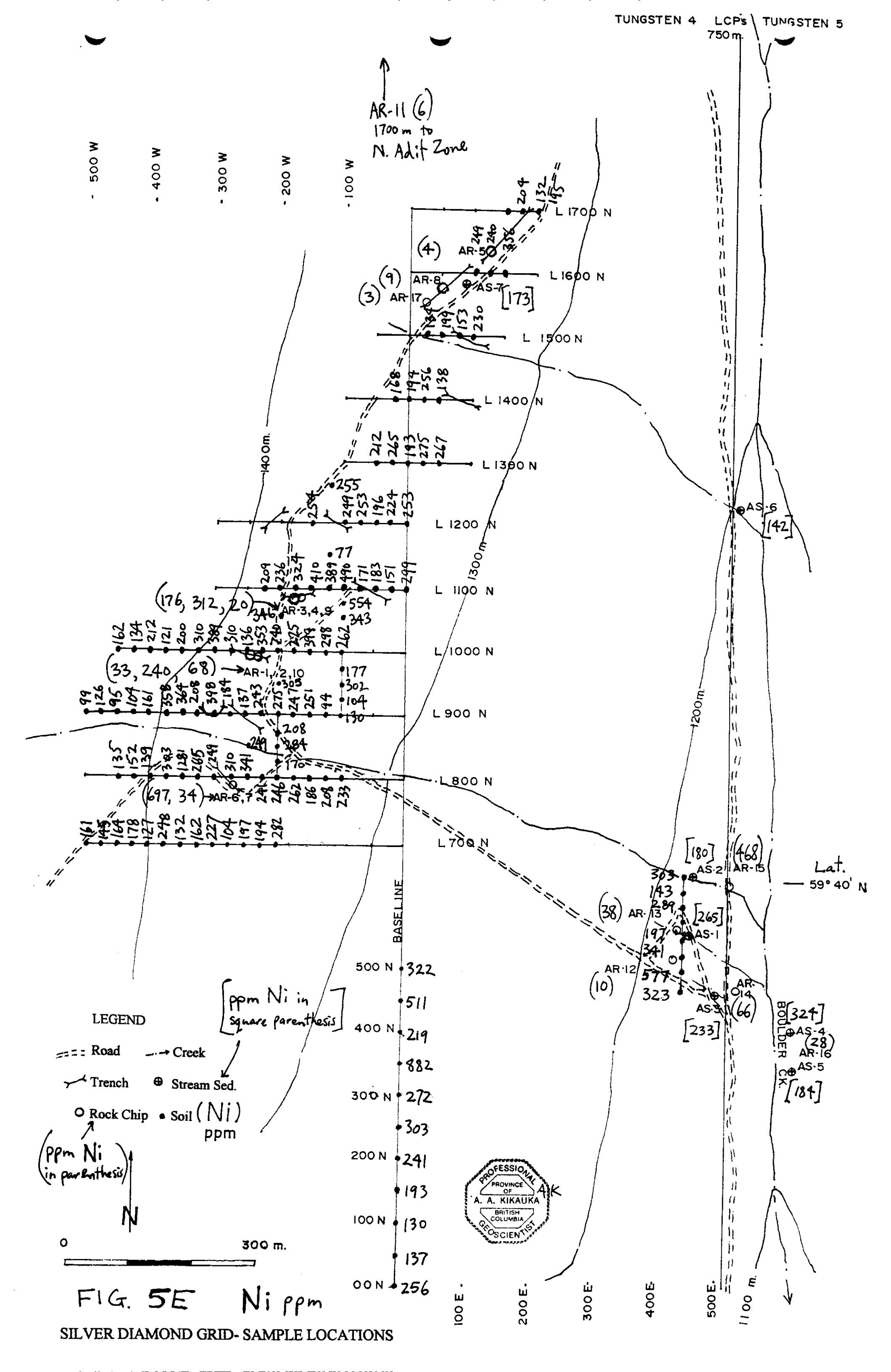


FIG. 5E Ni ppm

SILVER DIAMOND GRID- SAMPLE LOCATIONS

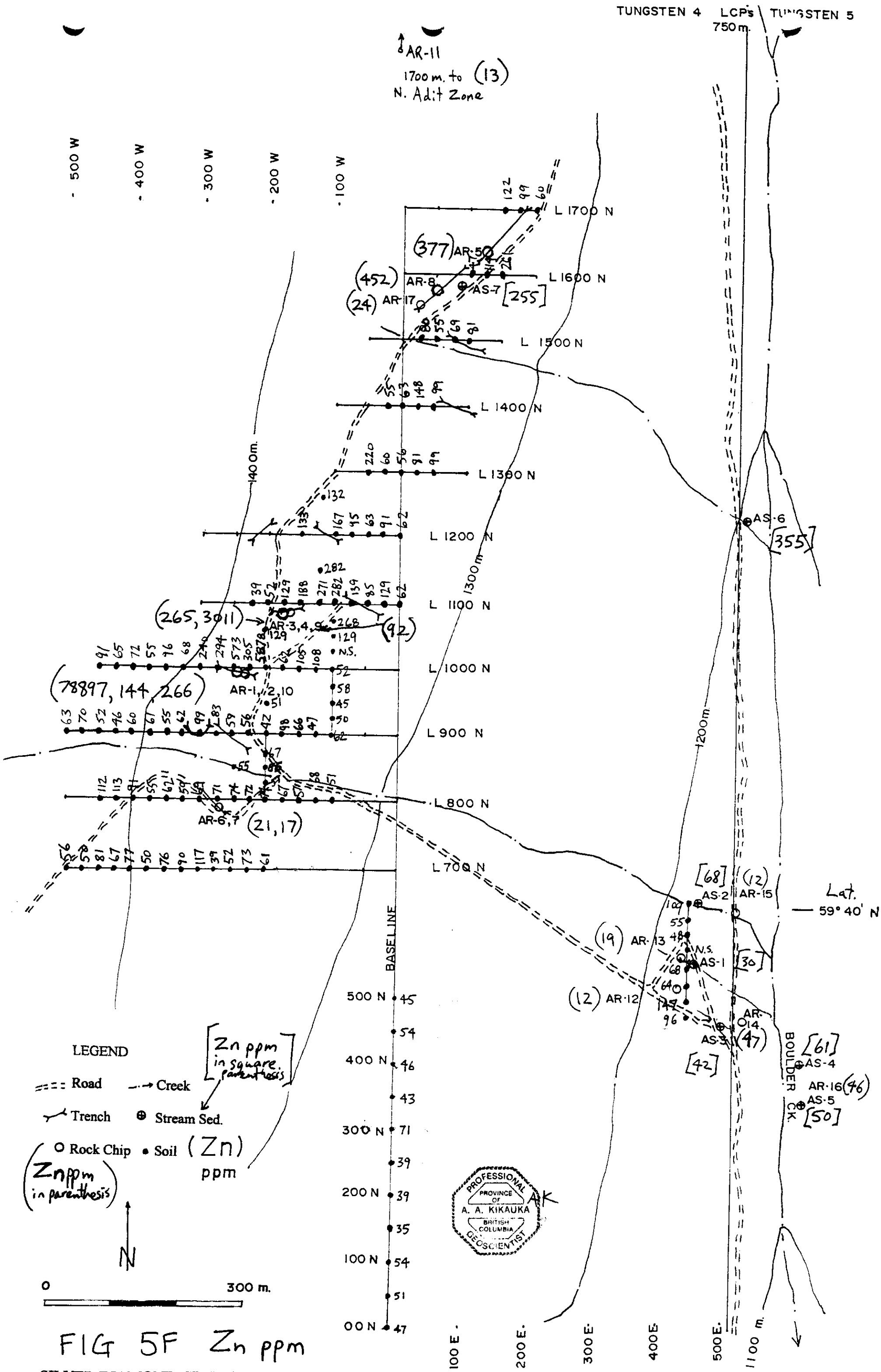


FIG 5F Zn ppm

SILVER DIAMOND GRID- SAMPLE LOCATIONS

APPENDIX A

SILVER DIAMOND- ROCK CHIP SAMPLE DESCRIPTIONS & GEOCHEM ANALYSIS

Sample #	Width	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
SD-AR-1	1.0 m	Skarn, py.,pyo.,cpy.,sph.,massive sulphide trending 090, dip 65 N	25,139	78,897	2	369.5	95
SD-AR-2	1.0 m	Skarn, py., pyo., cpy., adjacent to AR-1	4,775	144	66	18.3	17
SD-AR-3	1.0 m	Skarn, massive pyo., py., trace cpy.,	1,524	265	336	6.6	15
SD-AR-4	1.0 m	Same as above	635	3,011	266	7.1	21
SD-AR-5	0.7 m	Coarse grained qtz monz. hosted Qtz.vein with trace galena, cassiterite	33	377	79	106.4	8
SD-AR-6	0.3 m	Qtz.veining with py., pyo., cpy., mal., pyo., chl., scheelite	82	21	5	0.3	1
SD-AR-7	grab	Old sloughed in trench. Skarn boulders with py., pyo., cpy., sph., scheelite	37	19	5	0.5	26
SD-AR-8	0.7 m	Qtz vein, sparse sulphides, hosted in coarse grained qtz monz. (located 5 m north of AR-5), old trench beside road	491	452	564	34.7	564
SD-AR-9	0.4 m	Qtz vein, pyo., sph., py. cpy., scheelite with mixed skarn/peridotite host rock	145	92	183	13.6	6
SD-AR-10	0.5 m	Qtz.vein with pyo., py., cpy., sph.,	153	266	884	32.5	8
SD-AR-11	1.0 m	North Zone Adit, quartz vein >1% sulphides, host qtz. monz. porphyry	31	13	81	1.0	280
SD-AR-12	grab	Qtz carbonate with py.,cpy.,cutting serpentinite & greenstone host rock	312	12	65	0.4	3
SD-AR-13	float	Angular qtz.vein material with sparse limonite from old sloughed in trench	26	19	48	0.3	1
SD-AR-14	float	Peridotite and serpentininte with disseminated cpy., py.	819	47	5	0.3	3
SD-AR-15	float	Qtz. veining with 3% py., trace cpy. as fracture coatings	46	12	276	0.9	3
SD-AR-16	1.0 m	Qtz.-carbonate veining in qtz.monz. porphyry, 1% py, trace cpy.	35	46	22	0.3	1
SD-AR-17	float	Qtz.-carbonate vein with py., pyo., cpy.	67	24	10	0.9	1

NOTE. No geochemical analysis for Sn or F

APPENDIX B

BLACK DIAMOND- ROCK CHIP SAMPLE DESCRIPTIONS & GEOCHEM ANALYSIS

Sample #	Width	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
BD-AR-1	1.0 m	Qtz.vein with py., scheelite, tourmaline	19	20	607	0.8	12
BD-AR-2	1.0 m	Qtz.vein with py.,limonite, hosted in qtz. monz. porphyry	16	7	107	4.6	26
BD-AR-3	1.0 m	Same as above	16	6	189	8.5	2
BD-AR-4	1.0 m	Same as above	38	13	164	33.6	25
BD-AR-5	0.7 m	Qtz.vein with py., scheelite, and hornblende crystals to 2cm	195	48	1.079	4.8	40
BD-AR-6	0.3 m	Qtz.veining with py., cpy., gal., arsenopyrite, strong jarosite alteration	1,888	261	13	178.1	13,100
BD-AR-7	0.5 m	Qtz crystals, pyrolusite fracture filling	74	133	402	1.1	6
BD-AR-8	0.5 m	Qtz.vein with scheelite, py.	174	25	131	248.7	75
BD-AR-9	0.4 m	Same as above	1247	1392	687	16.7	10
BD-AR-10	0.5 m	Qtz.vein with py., sericite	28	100	15	4.6	15
BD-AR-11	1.0 m	Same as above	28	27	4	0.3	4

Note: **No** geochemical analysis for Sn or F

APPENDIX C

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604)231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

VERDSTONE GROUP OF COMPANIES
Project: Adenac
Sample Type: Soils/Rocks

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.
*Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst RSalm
Report No. 2024000
Date: May 27, 2002

ELEMENT / SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
BD 0+00N	27	203	98	121	5.9	8	4	272	5.04	394	8	ND	86	5	.7	51	127	9	.06	.022	35	8	.10	45	.02	4	.54	.02	.22	588	26
BD 0+50N	5	103	45	115	2.8	13	5	199	3.66	83	6	ND	57	7	.7	8	15	26	.12	.048	31	19	.21	50	.04	4	.61	.03	.19	83	7
BD 1+00N	3	199	39	141	3.3	11	4	166	4.41	55	8	ND	85	8	1.1	8	12	27	.12	.041	43	17	.20	45	.04	3	.67	.05	.13	20	27
BD 1+50N	23	227	81	82	4.0	6	3	111	5.22	276	8	ND	100	4	.2	42	199	12	.04	.029	38	11	.10	45	.02	3	.50	.03	.22	436	20
BD 2+00N	5	191	43	123	.6	19	6	221	3.64	69	9	ND	88	6	.6	7	17	28	.10	.048	59	20	.29	42	.06	3	.81	.01	.08	28	4
BD 2+50N	6	123	64	100	.5	31	9	347	3.32	124	14	ND	47	10	.4	7	6	40	.16	.097	77	33	.53	70	.12	3	1.35	.01	.10	11	15
BD 3+00N	5	167	37	143	.3	27	8	322	4.07	86	8	ND	86	6	.5	6	11	30	.10	.047	105	26	.41	49	.08	3	1.30	.01	.09	12	3
BD 3+50N	4	135	41	113	.3	40	11	391	3.11	39	13	ND	40	8	.6	3	4	33	.15	.100	69	30	.63	45	.08	3	1.15	.01	.06	6	8
BD 4+00N	9	105	127	186	.3	7	3	296	2.05	182	8	ND	72	19	1.3	7	11	6	.27	.016	112	6	.18	43	.01	3	.76	.01	.06	16	5
BD 4+50N	13	125	91	137	.7	17	7	449	2.95	192	16	ND	70	10	.8	7	15	18	.16	.043	64	15	.24	52	.05	3	.92	.01	.07	30	6
BD 5+00N	8	87	44	72	.4	12	4	185	2.41	79	8	ND	53	11	.4	7	12	16	.22	.035	60	13	.22	41	.03	3	.68	.01	.07	27	2
BD 5+50N	5	104	50	117	.3	25	9	405	3.26	128	10	ND	57	16	1.2	7	14	28	.22	.066	96	23	.44	75	.12	3	1.41	.01	.09	31	8
BD 6+00N	5	84	19	118	.3	41	11	436	2.99	30	12	ND	38	10	1.0	3	9	36	.17	.070	59	31	.71	84	.11	3	1.26	.01	.08	12	2
BD 6+50N	9	151	44	142	.3	17	6	332	3.37	72	10	ND	68	9	.9	7	25	20	.14	.043	74	17	.26	58	.05	3	.95	.01	.11	33	7
BD 7+00N	29	513	3553	369	40.5	53	12	1038	5.95	8437	29	ND	42	12	15.2	623	220	31	.14	.072	90	34	.37	134	.06	4	1.20	.01	.25	248	410
BD 7+50N	30	501	3206	409	31.4	86	15	1324	6.36	6253	29	ND	41	18	12.6	348	202	33	.20	.067	91	54	.71	164	.08	3	1.54	.01	.70	150	380
SD 0+00N	1	56	34	47	.8	256	22	354	2.77	90	8	ND	2	20	.2	4	3	56	.58	.087	11	195	1.83	147	.05	4	1.49	.02	.08	2	16
SD 0+50N	1	24	6	51	.4	137	20	524	2.71	11	8	ND	2	16	.3	3	3	63	.27	.054	6	130	1.40	159	.07	4	1.39	.01	.07	2	40
SD 1+00N	2	24	5	54	.3	130	18	535	3.13	11	8	ND	2	25	.2	3	3	77	.41	.069	16	126	1.54	195	.08	3	1.74	.02	.09	2	1
SD 1+50N	1	15	6	35	.4	193	22	478	2.70	11	8	ND	2	16	.2	3	4	63	.30	.031	8	159	2.06	127	.07	6	1.43	.02	.04	2	1
SD 2+00N	1	25	5	39	.4	241	25	514	2.72	12	8	ND	2	16	.2	3	3	59	.34	.059	7	211	2.10	108	.06	6	1.35	.02	.07	2	46
SD 2+50N	1	29	4	39	.4	303	32	593	3.03	13	8	ND	2	15	.2	3	3	66	.45	.060	6	227	2.16	124	.06	4	1.65	.02	.06	2	7
SD 3+00N	2	39	6	71	.5	272	38	1062	3.31	17	8	ND	2	25	.7	3	3	67	.64	.136	7	219	1.65	135	.04	3	1.48	.01	.11	2	2
SD 3+50N	2	178	3	43	.9	882	26	712	2.37	16	10	ND	2	73	.3	3	3	46	3.74	.184	19	189	1.59	329	.02	5	1.42	.01	.07	2	2
SD 4+00N	2	31	4	46	.4	219	23	460	2.85	19	8	ND	2	18	.2	3	5	61	.45	.066	8	199	1.89	132	.07	3	1.55	.02	.11	2	13
SD 4+50N	1	67	6	54	.6	511	30	710	2.87	21	8	ND	2	35	.3	3	3	58	1.20	.098	11	213	2.19	203	.05	6	1.50	.02	.08	2	8
SD 5+00N	1	67	4	45	.5	322	15	292	1.58	25	8	ND	2	41	.7	3	3	28	2.32	.105	7	123	.95	174	.02	6	.93	.01	.06	2	10
SD 8+50N 2+50W	1	44	10	55	.4	284	26	462	2.70	18	8	ND	2	17	.2	3	4	63	.32	.055	9	173	1.82	144	.12	3	1.50	.02	.17	2	23
SD 8+50N 2+00W	1	61	6	86	.5	249	32	565	4.34	30	8	ND	2	19	.3	3	3	123	.49	.120	10	158	1.90	204	.21	3	2.12	.02	.62	2	24
SD 9+00N 2+25W	1	30	4	56	.6	243	24	395	2.42	30	8	ND	2	20	.4	3	3	56	.47	.079	10	215	1.89	96	.07	4	1.29	.02	.10	3	8

PAGE 04 VERDSTONE GROUP 6045319634 02:33 05/30/2002

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
SD 9+50N 2+00W	1	29	6	51	.5	305	31	651	3.10	17	8	ND	2	18	.2	3	3	64	.32	.067	10	188	2.47	153	.08	3	1.82	.02	.09	2	3
SD 10+00N 2+00W	1	1110	347	5878	10.2	740	81	3195	8.40	123	8	ND	2	31	89.1	8	101	71	3.73	.084	11	157	2.99	135	.08	3	2.38	.02	.28	37	20
SD 10+50N 2+00W	1	53	13	129	.5	366	28	595	3.23	25	8	ND	2	17	1.2	3	3	64	.38	.071	10	194	2.37	152	.05	5	1.70	.02	.06	4	150
SD 11+00N 1+75W	2	36	6	37	.3	324	35	745	3.01	18	8	ND	2	17	.2	3	3	56	.29	.031	10	194	2.33	97	.09	6	1.08	.02	.03	2	9
SD 11+50N 1+25W	31	950	2309	282	140.9	77	4	466	18.72	323	20	ND	3	29	2.0	5	276	56	1.87	.065	6	141	1.11	37	.10	3	1.18	.20	.77	1126	10
SD 12+00N 1+50W	2	61	28	133	1.3	254	27	600	2.63	37	8	ND	2	20	1.2	3	3	51	.42	.066	11	175	1.94	140	.08	4	1.23	.02	.15	7	48
SD 12+50N 1+25W	2	58	21	132	.3	255	37	944	3.39	36	8	ND	8	11	.5	3	3	55	.25	.053	24	161	1.69	216	.12	6	1.82	.01	.21	6	2
BD-AR-1	7	19	14	20	.8	2	1	110	.35	75	8	ND	2	1	.2	9	4	1	.01	.003	2	96	.01	2	.01	3	.02	.01	.01	607	12
BD-AR-2	9	16	50	7	4.6	3	1	47	.40	105	8	ND	3	1	.2	37	29	2	.01	.001	2	190	.01	5	.01	3	.03	.01	.03	107	26
BD-AR-3	4	16	5	6	8.5	2	1	46	.19	15	8	ND	2	1	.2	34	80	1	.01	.001	3	65	.01	4	.01	3	.05	.01	.05	189	2
BD-AR-4	14	38	122	13	33.6	2	1	55	.72	178	9	ND	4	1	1.1	131	195	1	.01	.001	9	87	.01	6	.01	3	.08	.01	.10	164	25
BD-AR-5	32	195	38	48	4.8	2	2	331	5.25	533	12	ND	28	1	.2	801	140	1	.01	.004	7	53	.01	6	.01	4	.13	.01	.05	1079	40
BD-AR-6	9	1888	8334	261	178.1	3	1	66	11.44	99999	30	15	7	7	44.9	1590	236	6	.01	.001	7	51	.01	33	.01	3	.09	.01	.05	13	13100
BD-AR-7	3	74	47	133	1.1	5	2	234	.67	67	8	ND	3	1	1.7	9	3	1	.01	.002	4	66	.02	7	.01	3	.04	.01	.04	402	6
AXE-1	2	27	23	38	.3	21	7	804	1.26	10	8	ND	2	104	.5	3	3	4	2.67	.034	5	67	.12	50	.01	3	.26	.01	.04	7	2
SD-AR-1	3	25139	7630	78897	369.5	33	22	896	17.21	200	8	ND	2	4	1243.4	5	640	15	.69	.071	9	43	.89	29	.01	3	.81	.01	.63	2	95
SD-AR-2	2	4775	28	144	18.3	240	63	720	5.31	7	8	ND	2	128	3.3	3	26	37	6.40	.041	5	114	1.18	28	.10	3	1.01	.16	.12	66	17
SD-AR-3	3	1524	80	265	6.6	176	18	2306	26.13	77	12	ND	3	5	7.6	10	19	11	4.72	.029	7	135	1.22	37	.02	29	.83	.01	.94	336	15
SD-AR-4	4	635	68	3011	7.1	312	21	6912	10.13	855	8	ND	2	25	44.2	3	13	30	4.51	.087	10	204	2.90	63	.04	3	1.66	.01	2.00	266	21
SD-AR-5	13	33	1336	377	106.4	4	1	62	.30	65	8	ND	2	1	5.6	8	212	1	.02	.001	1	119	.01	1	.01	3	.01	.01	.01	79	8

For Cu, Zn greater than 10,000 ppm,
assay digestion is required for correct data.

For Ag greater than 35 ppm, assay digestion
is required for correct data.

PIONEER LABORATORIES INC. #103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5 TELEPHONE (604)231-8165

GEOCHEMICAL ANALYSIS CERTIFICATE

STIRRUP CREEK GOLD INC.
Project: Adanac
Sample Type: Soils/S. Seds/Rocks

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm. *Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

Analyst R. Sohn
Report No. 2024021
Date: June 14, 2002

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
SDL 450E 475N	2	73	5	96	.7	323	32	1108	3.08	15	8	ND	2	25	1.5	3	3	51	.61	.112	13	132	1.08	280	.04	5	1.51	.01	.11	2	2
SDL 450E 500N	1	216	10	147	2.1	577	31	969	3.53	49	8	ND	2	32	4.4	3	3	70	1.63	.115	15	182	1.52	288	.04	6	1.74	.02	.11	3	6
SDL 450E 525N	2	59	7	64	.4	341	31	706	2.87	27	8	ND	2	21	.8	3	3	52	.56	.076	9	168	2.18	151	.06	6	1.27	.02	.15	4	13
SDL 450E 550N	2	21	6	68	.3	197	24	554	3.49	21	8	ND	2	15	.3	3	3	66	.33	.060	6	162	1.66	146	.08	4	1.52	.01	.09	2	5
SDL 450E 600N	1	31	8	48	.3	289	27	669	3.06	16	8	ND	2	16	.2	3	3	58	.31	.046	9	160	2.09	134	.07	5	1.53	.01	.06	2	5
SDL 450E 625N	2	19	13	55	.3	143	19	510	2.90	13	8	ND	2	14	.4	3	3	64	.27	.041	7	118	1.26	156	.09	4	1.27	.01	.04	3	4
SDL 450E 650N	2	57	9	109	1.1	303	24	462	3.17	47	8	ND	2	36	1.4	3	3	67	1.45	.121	10	154	1.63	213	.07	5	1.88	.02	.25	2	8
SDL 700N 200W	1	35	3	61	.3	282	30	678	3.37	24	8	ND	2	17	.5	3	3	65	.33	.058	6	189	2.13	144	.06	6	1.54	.01	.10	2	6
SDL 700N 225W	1	28	7	73	.3	194	20	588	3.11	17	8	ND	2	16	.6	3	3	59	.36	.071	5	163	1.47	113	.04	6	1.21	.01	.07	2	1
SDL 700N 250W	3	44	3	52	.6	197	38	1271	2.25	13	8	ND	2	24	1.7	3	3	45	.32	.186	6	108	.60	263	.01	3	1.08	.01	.07	2	1
SDL 700N 275W	2	20	7	39	.7	104	33	616	1.03	2	8	ND	2	51	1.3	3	3	13	.59	.265	10	29	.30	380	.01	3	.71	.01	.08	2	1
SDL 700N 300W	2	49	9	117	.5	227	34	1084	4.06	18	8	ND	2	30	1.1	3	3	88	.33	.144	6	167	1.26	311	.04	4	2.01	.01	.13	2	1
SDL 700N 325W	2	29	10	90	.3	162	24	717	3.39	14	8	ND	2	17	.4	3	3	76	.21	.072	6	153	1.25	174	.08	4	1.61	.01	.19	2	8
SDL 700N 350W	1	30	10	76	.6	132	18	799	3.27	14	8	ND	2	19	.3	3	3	78	.21	.124	5	150	.96	203	.03	5	1.57	.01	.14	2	4
SDL 700N 375W	1	31	4	50	.3	248	28	595	3.19	16	8	ND	2	16	.4	3	3	59	.29	.074	7	168	2.07	92	.06	4	1.70	.01	.09	2	2
SDL 700N 400W	2	30	7	77	.4	127	15	362	3.28	10	8	ND	2	14	.2	3	3	87	.16	.040	4	116	1.04	272	.13	4	1.68	.01	.20	2	2
SDL 700N 425W	1	22	5	67	.3	178	21	693	3.18	14	8	ND	2	16	.5	3	3	62	.23	.075	5	178	1.34	159	.05	6	1.38	.01	.06	2	5
SDL 700N 450W	1	29	7	81	.4	164	26	1146	3.58	15	8	ND	2	20	.6	3	3	73	.27	.109	6	158	1.17	218	.04	5	1.63	.01	.07	2	1
SDL 700N 475W	1	16	3	50	.3	145	15	408	2.38	11	8	ND	2	14	.2	3	3	48	.19	.058	4	130	1.32	121	.04	3	1.14	.01	.04	2	4
SDL 700N 500W	1	28	8	56	.3	161	29	751	2.56	12	8	ND	2	19	.3	3	4	55	.31	.109	6	104	1.15	201	.04	3	1.44	.01	.14	2	7
SDL 800N 100W	1	16	7	51	.3	233	25	449	3.07	19	8	ND	2	13	.5	3	3	59	.29	.049	5	181	1.87	98	.04	5	1.31	.01	.05	2	8
SDL 800N 125W	1	24	9	68	.3	208	24	629	2.96	13	8	ND	2	15	.2	3	3	63	.23	.059	5	171	1.81	134	.04	5	1.37	.01	.07	2	5
SDL 800N 150W	1	27	7	57	.3	186	18	392	3.01	19	8	ND	2	15	.4	3	3	59	.33	.045	6	138	1.77	97	.04	4	1.43	.01	.07	2	4
SDL 800N 175W	1	44	12	67	1.1	262	23	410	2.72	46	8	ND	2	21	.3	3	3	56	.46	.074	9	128	1.55	163	.07	6	1.56	.02	.11	2	5
SDL 800N 200W	1	48	7	74	1.5	246	22	527	2.63	77	8	ND	2	26	.5	3	3	55	.64	.085	10	127	1.41	164	.05	5	1.60	.02	.12	2	3
SDL 800N 225W	1	44	9	72	1.4	241	21	450	2.66	78	8	ND	2	23	.5	3	3	55	.56	.082	9	131	1.46	158	.06	6	1.60	.02	.12	2	14
SDL 800N 250W	1	61	13	74	.5	341	33	676	3.36	40	8	ND	2	17	.3	3	3	68	.37	.080	9	169	2.15	172	.10	6	1.62	.01	.26	3	11
SDL 800N 275W	1	57	11	71	.3	310	31	674	3.21	46	8	ND	2	18	.2	3	3	65	.35	.079	8	150	1.96	164	.09	5	1.54	.01	.25	2	14
SDL 800N 300W	1	45	11	69	.3	249	26	735	3.77	20	8	ND	2	16	.6	3	3	78	.27	.068	7	181	1.74	191	.06	4	1.70	.01	.10	2	2
SDL 800N 325W	1	44	5	59	.3	265	27	691	2.92	11	8	ND	2	11	.2	3	3	50	.20	.043	6	150	1.81	111	.08	4	1.62	.01	.17	2	4

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
SDL 800N 350W	1	27	5	62	.3	128	17	429	3.56	15	8	ND	2	18	.2	3	3	89	.23	.050	5	127	1.14	172	.11	4	1.52	.01	.23	2	3
SDL 800N 375W	1	45	8	55	.3	303	28	539	3.12	19	8	ND	2	16	.2	3	3	60	.33	.083	9	132	1.93	154	.10	4	1.49	.01	.20	2	60
SDL 800N 400W	2	37	6	91	.5	139	22	590	4.14	11	8	ND	2	22	.4	3	3	113	.32	.076	5	109	1.01	280	.11	4	1.98	.01	.45	2	1
SDL 800N 425W	1	50	3	113	.3	152	26	500	5.06	13	8	ND	2	21	.2	3	4	144	.40	.097	6	98	1.30	299	.19	3	2.71	.01	.70	3	7
SDL 800N 450W	1	46	3	112	.3	135	23	414	5.00	12	8	ND	2	22	.2	3	3	145	.34	.083	6	96	1.16	304	.17	3	2.65	.01	.69	2	2
SDL 200W 825N	1	23	6	51	.3	170	17	286	2.24	22	8	ND	2	26	.3	3	3	48	.63	.094	5	150	1.28	145	.04	6	1.34	.01	.11	3	1
SDL 200W 850N	2	19	8	37	.3	133	33	1360	2.08	9	8	ND	2	15	.2	3	3	44	.24	.145	4	120	.77	157	.01	3	.83	.01	.07	2	1
SDL 200W 875N	2	26	7	67	.3	208	21	538	3.31	16	8	ND	2	14	.2	3	3	70	.19	.094	5	197	1.56	127	.03	5	1.44	.01	.06	2	15
SDL 900N 125W	2	18	10	47	.3	94	32	1878	1.99	3	8	ND	2	18	2.3	3	3	43	.20	.191	4	87	.39	290	.01	3	.81	.01	.04	2	3
SDL 900N 150W	2	49	8	66	.4	251	23	588	3.15	22	8	ND	2	21	1.7	3	3	59	.48	.135	6	168	1.68	209	.03	3	1.56	.01	.05	2	5
SDL 900N 175W	3	106	5	98	1.3	247	18	776	2.32	48	10	ND	2	48	3.3	3	3	42	1.26	.311	9	107	.92	352	.02	3	1.44	.01	.05	4	2
SDL 900N 200W	1	20	5	42	.3	275	27	535	3.07	13	8	ND	2	16	.2	3	3	52	.31	.056	7	177	2.46	120	.05	4	1.34	.02	.04	2	5
SDL 900N 250W	3	23	6	59	.3	137	43	1937	2.55	8	8	ND	2	21	1.5	3	3	52	.30	.121	5	124	.91	180	.02	3	1.02	.01	.06	2	2
SDL 900N 275W	1	27	8	83	.3	184	23	771	3.16	18	8	ND	2	21	1.1	3	3	66	.35	.117	6	168	1.42	172	.03	4	1.35	.01	.09	2	4
SDL 900N 300W	1	118	8	99	.9	398	22	710	4.06	50	8	ND	2	51	1.8	3	4	72	.91	.135	12	142	1.74	318	.07	3	2.53	.09	.15	4	5
SDL 900N 325W	2	42	6	62	.3	208	19	559	2.81	68	8	ND	2	26	.8	3	3	59	.58	.140	6	151	1.33	148	.04	3	1.32	.01	.14	3	6
SDL 900N 350W	1	76	8	55	.4	364	30	628	3.18	69	8	ND	2	22	.5	3	3	61	.50	.091	11	143	2.13	163	.07	3	1.51	.01	.21	3	6
SDL 900N 375W	1	77	12	61	.3	358	27	522	3.27	71	8	ND	2	19	.4	3	3	67	.44	.065	11	135	1.91	152	.09	3	1.62	.01	.27	3	8
SDL 900N 400W	1	27	8	60	.3	161	20	555	3.43	12	8	ND	2	18	.4	3	3	76	.29	.104	6	184	1.51	187	.06	4	1.51	.01	.08	2	2
SDL 900N 425W	2	21	6	46	.3	104	16	712	2.45	20	8	ND	2	22	.4	3	3	59	.39	.133	5	134	.91	182	.03	4	1.05	.01	.07	2	11
SDL 900N 450W	1	42	14	52	2.2	95	10	391	1.70	93	8	ND	2	30	.3	3	3	44	.73	.096	8	51	.82	168	.04	4	1.10	.02	.11	2	19
SDL 900N 475W	2	50	19	70	2.8	126	13	438	2.46	183	8	ND	2	26	.2	3	3	61	.61	.091	12	77	1.05	170	.05	3	1.59	.01	.08	2	2
SDL 900N 500W	2	38	27	63	3.1	99	12	344	2.36	147	8	ND	2	18	.2	3	3	65	.38	.056	9	74	1.02	165	.08	3	1.42	.01	.06	2	28
SDL 100W 900N	1	16	5	62	.3	130	14	408	2.68	9	8	ND	2	15	.4	3	3	63	.19	.081	5	155	1.08	173	.02	4	1.38	.01	.05	2	4
SDL 100W 925N	2	19	3	50	.3	104	12	393	2.15	7	8	ND	2	20	.4	3	4	50	.32	.138	5	132	.93	259	.01	3	1.21	.01	.05	3	55
SDL 100W 950N	2	27	7	45	.3	302	25	450	3.27	20	8	ND	2	14	.6	3	3	60	.34	.057	6	216	2.39	122	.04	4	1.51	.01	.06	2	5
SDL 100W 975N	2	22	7	58	.3	177	15	441	2.70	14	8	ND	2	18	.8	3	3	59	.43	.109	6	165	1.36	203	.02	3	1.35	.01	.05	2	1
SDL 1000N 125W	2	68	8	108	1.0	298	18	599	2.93	47	8	ND	2	32	2.9	3	3	54	.95	.216	10	175	1.37	270	.03	5	1.50	.01	.07	5	1
SDL 1000N 150W	3	146	10	105	1.8	399	25	931	3.40	61	17	ND	2	32	4.9	3	4	65	1.00	.245	21	180	1.55	293	.03	3	1.88	.01	.06	4	11
SDL 1000N 175W	3	44	6	62	.5	225	21	680	3.10	30	8	ND	2	24	1.3	3	3	65	.57	.146	9	166	1.48	221	.03	4	1.54	.01	.06	2	1
SDL 1000N 225W	2	207	55	305	1.9	353	30	763	3.96	25	8	ND	2	23	5.5	3	18	68	.79	.084	11	193	2.29	174	.09	3	1.74	.02	.13	17	8
SDL 1000N 250W	4	1769	521	573	65.2	136	8	364	13.91	120	19	ND	2	55	8.2	7	258	65	5.07	.055	8	153	1.42	204	.14	3	2.14	.39	.96	1217	23
SDL 1000N 275W	1	257	35	294	2.3	310	31	786	3.56	25	8	ND	4	33	4.9	3	17	52	1.95	.088	13	135	1.93	173	.10	5	1.37	.03	.18	37	8
SDL 1000N 300W	4	570	28	240	2.3	389	25	570	7.73	44	8	ND	4	23	.7	3	65	59	.37	.112	10	270	2.31	312	.14	3	1.89	.02	.55	26	20
SDL 1000N 325W	2	47	12	68	2.1	310	33	655	3.51	22	8	8	2	13	.7	3	6	66	.22	.075	8	161	2.16	174	.09	6	2.03	.01	.11	3	3

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
SDL 1000N 350W	1	29	11	96	.4	200	33	1011	3.23	31	8	ND	2	17	1.9	3	3	63	.19	.149	6	155	1.24	213	.03	5	1.45	.01	.13	3	2
SDL 1000N 375W	2	18	7	55	.3	121	19	704	2.74	8	8	ND	2	15	.5	3	3	65	.18	.063	5	139	.97	194	.06	3	1.19	.01	.06	2	1
SDL 1000N 400W	1	43	9	72	.3	212	31	945	3.67	13	8	ND	2	13	.6	3	3	89	.20	.070	7	213	1.92	167	.08	3	2.18	.01	.05	2	3
SDL 1000N 425W	3	26	9	65	.3	134	19	616	3.10	11	8	ND	2	16	.8	3	3	63	.20	.111	5	153	1.17	146	.03	5	1.45	.01	.08	2	9
SDL 1000N 450W	1	27	3	91	.3	162	20	496	3.60	23	8	ND	2	14	.3	3	3	84	.23	.067	6	173	1.49	177	.11	4	1.48	.01	.24	3	1
SDL 100W 1000N	3	33	4	52	.3	262	23	527	3.43	19	8	ND	2	16	.3	3	4	72	.44	.092	7	239	2.11	172	.05	5	1.61	.01	.06	3	12
SDL 100W 1050N	2	63	7	129	.5	343	36	941	3.74	128	9	ND	2	23	5.7	3	3	71	.94	.129	6	208	1.98	163	.05	5	1.67	.02	.10	3	11
SDL 100W 1075N	1	235	44	268	4.4	554	38	1008	3.37	104	26	ND	2	28	4.7	3	18	53	1.09	.092	13	237	3.02	197	.07	6	1.62	.01	.24	27	16
SDL 1100N 00W	1	40	9	62	.3	299	39	934	3.42	23	8	ND	2	14	1.8	3	4	60	.23	.059	7	179	1.92	143	.05	5	1.45	.01	.06	10	2
SDL 1100N 25W	3	48	11	129	1.6	151	14	378	2.64	85	8	ND	2	17	2.1	3	4	55	.66	.133	7	160	1.07	141	.03	4	1.33	.01	.07	9	3
SDL 1100N 50W	4	30	5	85	.4	183	36	1345	3.57	27	8	ND	2	18	2.1	3	6	72	.82	.075	5	205	1.25	190	.05	6	1.29	.01	.10	8	1
SDL 1100N 75W	3	20	3	139	.3	171	21	525	2.93	27	8	ND	2	16	4.2	3	3	59	.69	.066	4	147	1.17	98	.04	5	1.04	.01	.07	3	1
SDL 1100N 100W	3	204	4	282	1.5	490	8	423	.72	38	114	ND	2	66	22.6	3	3	20	4.75	.136	14	45	.45	136	.01	9	.44	.01	.05	2	1
SDL 1100N 125W	2	94	16	271	.7	389	32	689	3.12	144	8	ND	2	19	2.8	3	6	55	.64	.081	15	187	2.29	150	.09	5	1.45	.01	.24	9	13
SDL 1100N 150W	3	109	25	188	1.0	410	36	762	3.37	159	10	ND	3	18	2.0	3	9	62	.57	.067	12	223	2.19	148	.10	6	1.66	.01	.21	16	30
SDL 1100N 200W	2	38	3	52	.5	236	24	906	2.70	20	8	ND	2	23	1.8	3	3	53	.71	.197	8	133	1.05	262	.02	6	1.25	.01	.06	3	6
SDL 1100N 225W	1	21	3	39	.3	209	27	621	2.75	10	8	ND	2	17	.9	3	3	53	.34	.103	4	140	1.08	149	.02	5	1.00	.01	.04	2	12
SDL 1200N 00W	1	19	3	62	.3	253	24	504	3.60	23	8	ND	2	15	.4	3	3	72	.23	.052	4	197	1.70	150	.06	3	1.28	.01	.05	2	12
SDL 1200N 25W	2	28	4	91	.3	224	24	677	4.59	21	8	ND	2	18	.7	3	3	91	.28	.097	5	241	1.93	232	.08	4	1.67	.01	.13	4	6
SDL 1200N 50W	1	32	7	63	.3	196	21	621	3.72	21	8	ND	2	16	.4	3	3	74	.24	.054	6	194	1.37	205	.06	7	1.45	.01	.05	4	4
SDL 1200N 75W	1	28	6	95	.3	253	29	790	4.56	26	8	ND	2	19	1.2	3	3	83	.28	.099	6	228	2.17	189	.04	5	1.85	.01	.07	5	49
SDL 1200N 100W	2	222	91	167	5.6	249	29	736	3.74	80	8	ND	5	16	1.4	3	16	70	.33	.061	25	156	1.86	223	.13	4	1.82	.01	.36	25	7
SDL 1300N 00W	2	26	3	55	.3	193	27	753	3.54	16	8	ND	2	17	1.7	3	3	69	.24	.073	5	171	1.06	190	.04	5	1.38	.01	.05	2	7
SDL 1300N 25W	2	48	8	60	.3	265	30	746	3.64	25	8	ND	2	17	.9	3	5	66	.32	.117	29	166	1.60	137	.03	4	1.74	.01	.06	3	3
SDL 1300N 50W	4	65	23	220	.3	212	21	857	4.32	63	8	ND	2	27	1.7	3	4	74	.46	.190	9	177	.95	297	.04	3	2.08	.01	.12	6	1
SDL 1300N 25E	2	18	7	81	.3	275	30	869	4.19	17	8	ND	2	17	.7	3	3	66	.25	.105	4	294	1.84	169	.03	7	1.09	.01	.07	2	160
SDL 1300N 50E	1	22	3	99	.3	267	28	637	4.88	31	8	ND	2	12	.3	3	3	99	.22	.122	5	220	2.04	146	.08	6	1.53	.01	.09	3	50
SDL 1400N 00W	1	24	5	63	.3	194	23	1287	2.82	10	8	ND	2	23	1.3	3	3	55	.30	.126	6	138	1.12	280	.02	3	1.23	.01	.06	2	4
SDL 1400N 25W	1	16	3	55	.3	168	20	510	3.35	13	8	ND	2	15	.7	3	3	74	.20	.068	4	166	1.45	172	.08	4	1.21	.01	.04	2	2
SDL 1400N 25E	6	142	26	148	1.2	256	24	958	4.12	51	8	ND	10	17	1.1	3	8	52	.49	.062	47	170	1.52	162	.08	3	1.68	.01	.23	27	2
SDL 1400N 50E	1	26	3	80	.3	138	23	994	3.44	13	8	ND	2	15	1.3	3	3	77	.18	.082	6	176	.92	140	.03	5	1.30	.01	.06	3	1
SDL 1500N 25E	2	28	6	80	.3	134	21	714	3.06	19	8	ND	2	14	1.2	3	3	63	.23	.053	6	137	.84	168	.06	4	1.07	.01	.09	2	2
SDL 1500N 50E	1	24	3	55	.3	199	21	389	3.46	19	8	ND	2	13	.6	3	3	66	.19	.038	7	146	1.52	127	.07	6	1.46	.01	.05	2	4
SDL 1500N 75E	1	22	3	69	.3	153	18	480	3.20	18	8	ND	2	12	.6	3	3	68	.18	.075	6	147	1.27	151	.07	5	1.37	.01	.05	2	3
SDL 1500N 100E	1	37	15	81	.3	230	20	475	3.20	19	8	ND	2	16	.5	4	3	66	.23	.047	9	153	1.48	124	.07	7	1.55	.01	.06	4	1

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
SDL 1600N 100E	1	22	3	47	.3	249	22	487	3.43	19	8	ND	2	16	.4	3	3	56	.25	.060	9	156	1.91	107	.04	8	1.48	.01	.07	2	6
SDL 1600N 125E	3	67	34	114	.9	240	22	609	3.05	26	8	ND	5	17	.7	3	3	46	.39	.060	58	127	1.50	105	.06	5	1.36	.01	.12	4	4
SDL 1600N 150E	4	179	73	261	2.7	356	26	794	4.22	45	36	ND	7	28	2.2	4	4	60	.77	.120	166	176	1.75	167	.04	3	2.41	.01	.14	2	5
SDL 1700N 150E	5	40	15	122	.3	204	23	832	3.51	19	8	ND	2	18	.3	3	3	56	.26	.109	19	147	1.26	190	.03	5	1.74	.01	.08	4	4
SDL 1700N 175E	2	22	9	99	.3	132	16	479	2.68	13	8	ND	2	12	.3	3	3	42	.18	.061	15	116	1.01	122	.04	3	1.14	.01	.08	8	1
SDL 1700N 200E	1	25	10	60	.3	195	25	806	3.11	12	8	ND	2	16	.6	3	3	57	.24	.075	10	134	1.52	161	.04	5	1.42	.01	.05	2	1
SD-AS-1	1	28	3	30	.3	265	22	406	3.01	14	8	ND	2	13	.2	3	4	52	.38	.063	8	172	1.78	71	.05	6	.81	.01	.07	8	75
SD-AS-2	1	23	13	68	.3	180	14	289	2.33	24	8	ND	32	11	.7	3	3	37	.37	.053	61	136	1.21	74	.06	3	.79	.01	.08	19	220
SD-AS-3	2	40	7	42	.3	233	21	479	2.66	21	8	ND	9	16	.2	3	3	51	.47	.065	8	164	1.77	100	.08	6	1.18	.02	.18	7	9
SD-AS-4	4	56	12	61	.3	324	23	932	3.02	54	8	ND	15	10	.6	3	3	32	.26	.040	34	125	2.15	75	.04	5	.77	.01	.09	37	6
SD-AS-5	1	19	11	50	.3	184	15	317	2.08	12	8	ND	21	11	.3	3	3	33	.29	.048	25	123	1.39	62	.05	3	.68	.01	.06	15	140
SD-AS-6	16	164	546	355	11.0	142	14	664	3.50	43	8	ND	14	12	3.8	8	50	36	.47	.049	48	121	1.18	69	.08	5	.96	.01	.20	148	10
SD-AS-7	23	357	1343	255	78.9	173	19	1119	4.13	62	8	ND	15	13	2.0	11	207	45	.35	.064	41	129	1.31	93	.08	4	1.10	.01	.23	287	59
SD-AR-6	5	82	11	21	.3	697	49	744	3.56	131	8	ND	9	18	.3	3	3	6	.20	.020	12	390	6.20	91	.03	5	.33	.02	.12	5	1
SD-AR-7	4	37	8	19	.5	34	5	110	.78	6	8	ND	2	2	.2	3	3	15	.04	.003	1	102	.13	47	.02	4	.24	.01	.07	5	26
SD-AR-8	18	491	371	452	34.7	9	2	1672	1.20	7	8	ND	2	9	8.0	3	132	2	8.24	.004	2	123	.04	39	.01	765	1.14	.15	.64	564	39
SD-AR-9	5	145	230	92	13.6	20	3	7811	1.22	4	8	ND	2	6	2.1	3	50	6	1.66	.005	3	151	.14	36	.01	3	.54	.03	.31	183	6
SD-AR-10	9	153	334	266	32.5	68	8	1303	1.81	6	8	ND	2	9	6.7	7	444	31	2.68	.050	6	157	1.14	218	.07	5	1.49	.03	1.22	884	8
SD-AR-11	19	31	3	13	1.0	6	2	756	1.08	3	8	ND	2	1	.2	3	999	1	.10	.001	2	169	.04	3	.01	3	.04	.01	.02	81	280
SD-AR-12	10	312	3	12	.4	10	6	114	1.50	2	8	ND	2	24	.2	3	7	10	.60	.006	1	130	.20	77	.01	3	.85	.11	.05	65	3
SD-AR-13	4	26	3	19	.3	38	11	185	.82	6	8	ND	2	2	.2	3	5	19	.07	.007	3	141	.29	39	.02	3	.47	.01	.21	48	1
SD-AR-14	1	819	4	47	.3	66	35	471	5.34	3	8	ND	2	3	.2	3	3	80	.76	.010	1	49	1.37	52	.08	3	1.85	.06	.15	5	3
SD-AR-15	5	46	62	12	.9	468	20	246	1.82	3	8	ND	9	2	.2	3	74	1	.11	.007	16	178	4.89	21	.01	3	.14	.03	.09	276	3
SD-AR-16	10	35	3	46	.3	28	5	124	.91	7	8	ND	2	2	.2	3	3	9	.10	.010	4	153	.16	37	.02	3	.27	.01	.19	22	1
SD-AR-17	9	67	16	24	.9	3	1	57	1.43	85	8	ND	23	1	.3	5	3	1	.01	.002	15	90	.01	17	.01	4	.26	.01	.21	10	1
BD-AR-8	72	174	5687	25	248.7	10	1	441	.59	6	8	ND	2	1	1.7	101	350	3	.03	.003	3	173	.06	6	.01	3	.08	.01	.05	131	75
BD-AR-9	4	1247	115	1392	16.7	99	8	840	7.53	24	8	ND	13	7	25.1	3	38	4	6.24	.010	5	94	.48	88	.01	7	1.76	.13	1.21	687	10
BD-AR-10	3	28	57	100	4.6	24	6	381	1.58	11	8	ND	10	35	1.5	3	10	35	1.31	.019	6	82	.57	69	.06	3	1.56	.12	.27	15	1
BD-AR-11	5	28	27	27	.3	3	1	44	1.04	9	8	ND	24	1	.2	6	3	1	.02	.002	13	79	.01	18	.01	5	.28	.01	.20	4	1

For Ag greater than 35 ppm, assay digestion is required for correct data.

APPENDIX D

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836

L 700 N

600 W	57520
	57440
575 W	57475
	57359
550 W	57373
	57437
525 W	57372
	57377
500 W	57378
	57386
475 W	57469
	57502
450 W	57499
	57456
425 W	57398
	57334
400 W	57333
	57489
375 W	57639
	57450
350 W	57255
	57313
325 W	57305
	57268
300 W	57158
	57150
275 W	57199
	57269
250 W	57274
	57287
225 W	57295
	57342
200 W	57352
	57381
175 W	57393
	57377
150 W	57381
	57396
125 W	57304
	57342
100 W	57366

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS

Diurnal variations in total field corrected by looping, instrument-Geometrics G-836

L 800 N

600 W	57489
	57433
575 W	57399
	57366
55O W	57347
	57433
525 W	57359
	57347
500 W	57332
	57288
475 W	57313
	57331
450 W	57351
	57418
425 W	57360
	57629
400 W	57508
	57233
375 W	57195
	57203
350 W	57311
	57294
325 W	57275
	57321
300 W	57352
	57354
275 W	57333
	57336
250 W	57344
	57321
225 W	57329
	57370
200 W	57391
	57401
175 W	57403
	57464
150 W	57388
	57417
125 W	57493
	58444
100 W	57408

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836
L 900 N

55O W	57401
	57332
525 W	57294
	57264
500 W	57241
	57255
475 W	57322
	57241
450 W	57362
	57420
425 W	57482
	57505
400 W	57463
	57259
375 W	57145
	57301
350 W	57403
	57348
325 W	57356
	57375
300 W	57381
	57362
275 W	57381
	57405
250 W	57393
	57429
225 W	57429
	57449
200 W	57452
	57482
175 W	57451
	57418
150 W	57417
	57397
125 W	57482
	57386
100 W	57360
	57422
075 W	57373
	57539
050 W	57401

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836

L 1000 N

500 W	57892
	58214
475 W	58262
	58245
450 W	57519
	56980
425 W	56966
	56509
400 W	57286
	57319
375 W	57381
	57490
350 W	57427
	57407
325 W	57515
	58118
300 W	57771
	57027
275 W	57303
	57703
250 W	58452
	57241
225 W	57544
	57361
200 W	57342
	57318
175 W	57331
	57391
150 W	57498
	57381
125 W	57358
	57305
100 W	57325
	57295
075 W	57309
	57342
050 W	57357
	57361
025 W	57357
	57350
000 W	57245
	57499
025 E	57278
	57384
050 E	57460

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836
L 1100 N

450 W	57344
	57322
425 W	57391
	57356
400 W	57347
	57370
375 W	57381
	57390
350 W	57402
	57429
325 W	57474
	57610
300 W	57723
	57759
275 W	57931
	57999
250 W	57461
	57523
225 W	57390
	57289
200 W	57278
	57292
175 W	57396
	57364
150 W	57210
	57380
125 W	57324
	57384
100 W	57409
	57360
075 W	57376
	57360
050 W	57361
	57382
025 W	57364
	57389
00 W	57427

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836
L 1200 N

350 W	57327
	57354
325 W	57309
	57283
300 W	57238
	57332
275 W	57113
	57169
250 W	57293
	57375
225 W	57346
	57337
200 W	57285
	57334
175 W	57291
	57324
150 W	57350
	57215
125 W	57276
	57400
100 W	57416
	57406
075 W	57392
	57336
050 W	57366
	57367
025 W	57438
	57473
00 W	57391
	57402
025 E	57411
	57428
050 E	57414

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836

L 1300 N

300 W	57404
	57376
275 W	57348
	57374
250 W	57368
	57391
225 W	57362
	57436
200 W	57389
	57368
175 W	57391
	57411
150 W	57439
	57382
125 W	57396
	57347
100 W	57316
	57405
075 W	57419
	57367
050 W	57431
	57474
025 W	57437
	57452
00 W	57483
	57437
025 E	57448
	57471
050 E	57493
	57395
075 E	57420
	57404
100 E	57402

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS

Diurnal variations in total field corrected by looping, instrument-Geometrics G-836

L 1400 N

200 W	57433
	57421
175 W	57430
	57411
150 W	57423
	57437
125 W	57432
	57419
100 W	57407
	57383
075 W	57409
	57442
050 W	57460
	57493
025 W	57487
	57428
00 W	57414
	57369
025 E	57347
	57426
050 E	57443
	57424
075 E	57408
	57511
100 E	57428

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836
L 1500 N

200 W	57445
	57460
175 W	57447
	57433
150 W	57460
	57439
125 W	57458
	57447
100 W	57451
	57438
075 W	57429
	57393
050 W	57421
	57458
025 W	57469
	57421
00 W	57438
	57455
025 E	57507
	57492
050 E	57481
	57462
075 E	57436
	57451
100 E	57460

TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS

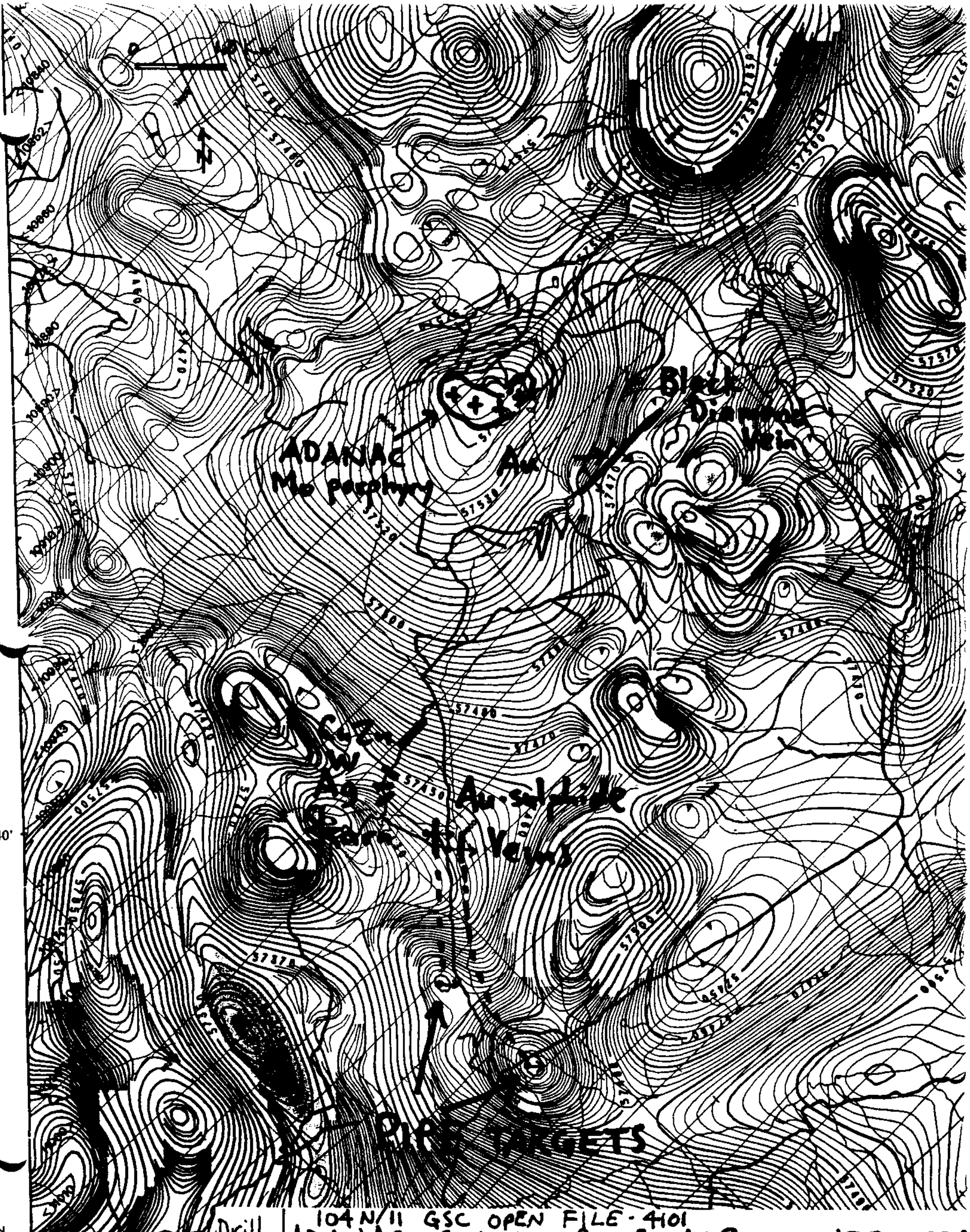
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836

L 1600 N

150 W	57418
	57420
125 W	57431
	57433
100 W	57365
	57377
075 W	57427
	57443
050 W	57420
	57433
025 W	57454
	57444
00 W	57435
	57428
025 E	57421
	57439
050 E	57534
	57454
075 E	57467
	57458
100 E	57445
	57453
125 E	57455
	57443
150 E	57434

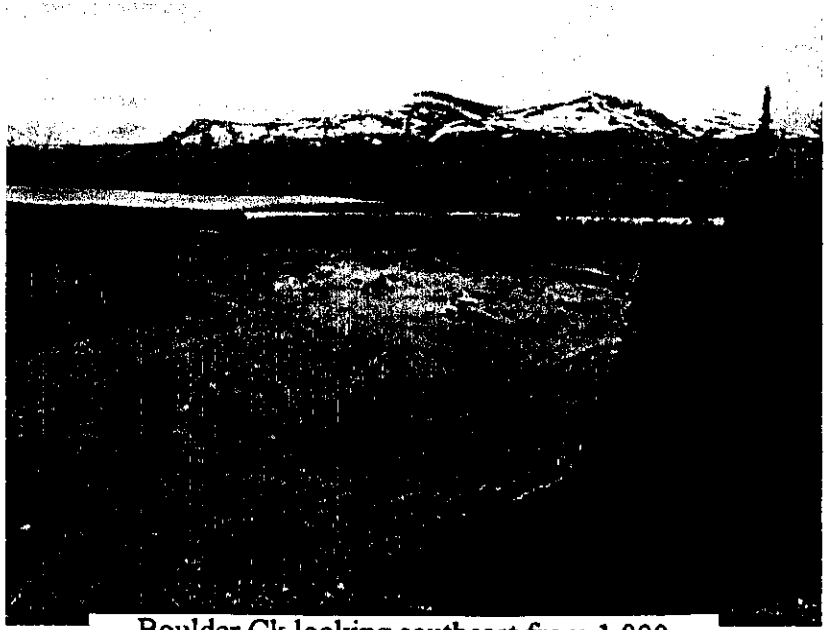
TUNGSTEN 4 CLAIM- SILVER DIAMOND GRID- MAGNETOMETER READINGS
Diurnal variations in total field corrected by looping, instrument-Geometrics G-836
L 1700 N

100 W	57338
	57341
075 W	57436
	57422
050 W	57419
	57444
025 W	57463
	57488
00 W	57433
	57429
025 E	57435
	57447
050 E	57467
	57439
075 E	57441
	57451
100 E	57439
	57434
125 E	57443
	57455
150 E	57436
	57421
175 E	57448
	57491
200 E	57432



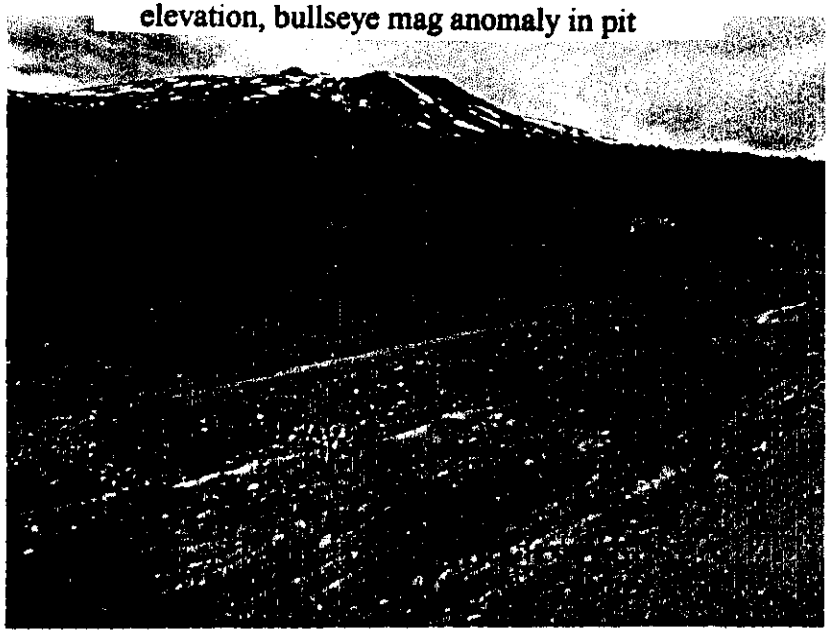
104 N/11 GSC OPEN FILE 4101
ADANAC CLAIM GROUP AEROMAGNETOMETER
SURVEY & MINERALIZATION SKETCH MAP

Boulder Ck looking southeast from 1,200 m elevation, Otter Ck placer in background



Boulder Ck looking southeast from 1,000 m elevation, bullseye mag anomaly in pit

Boulder Ck looking northeast from 1,200 m elevation, Black Diamond in background

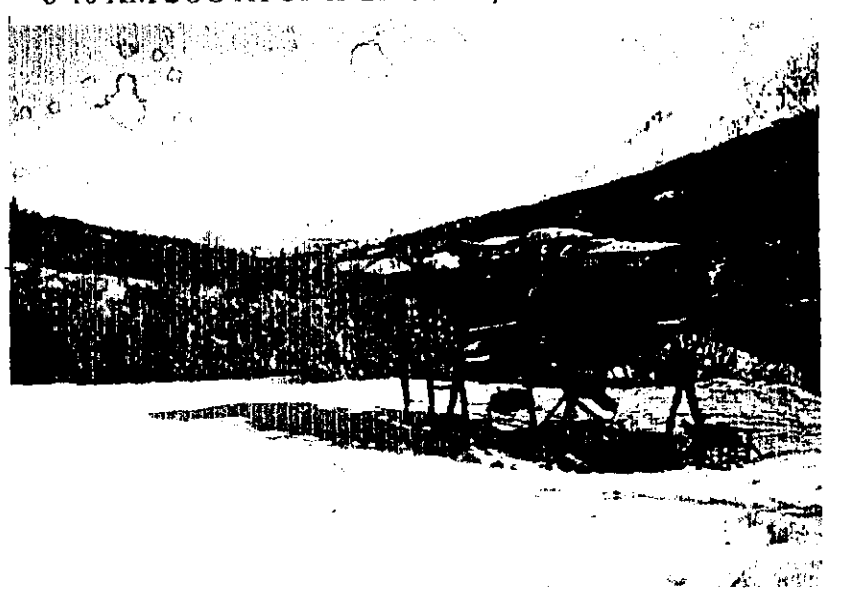


Ruby Mountain looking northeast from Ruby Ck at 975 m elevation

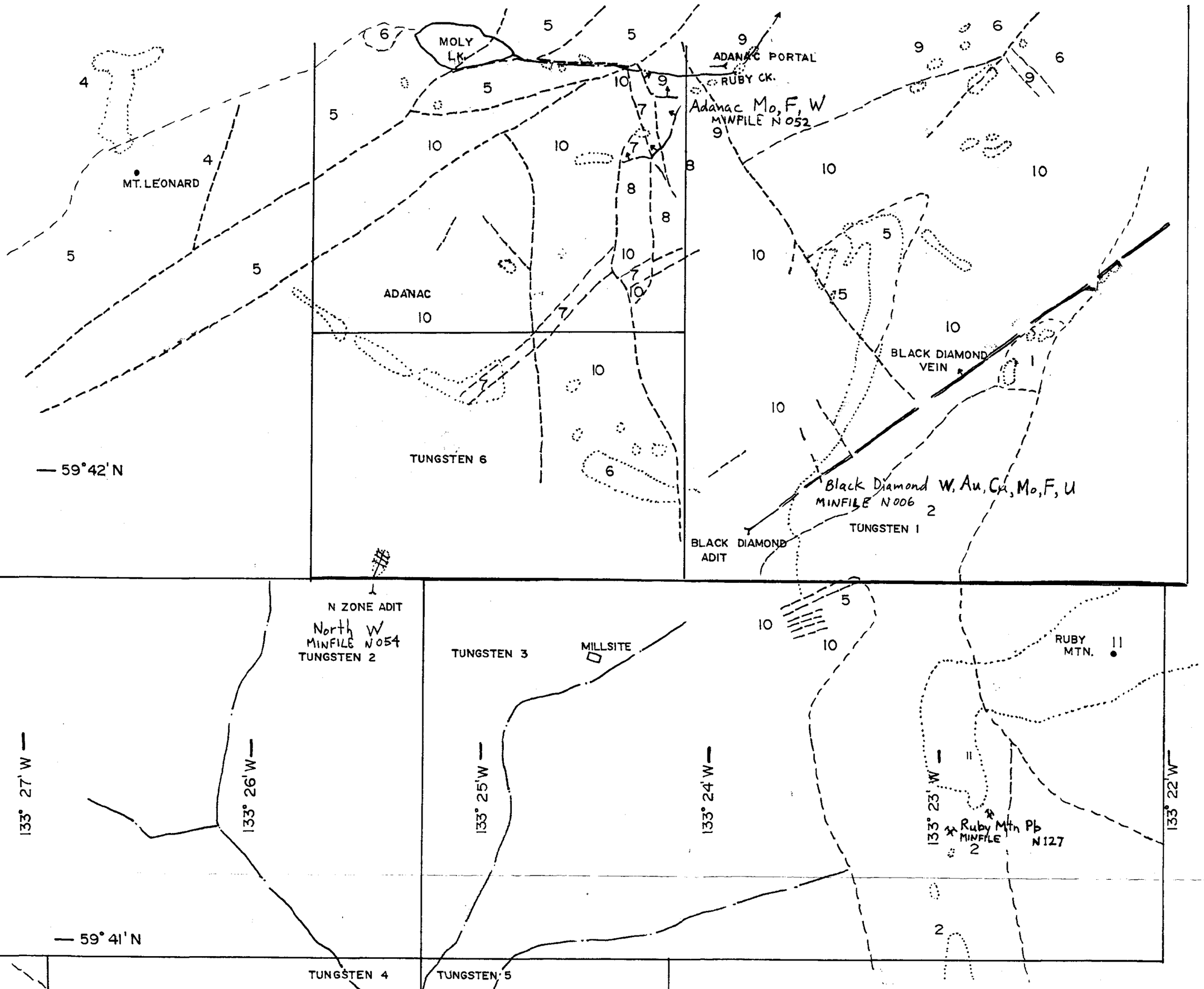
LOOKING SOUTH DOWN BOULDER CREEK,
TUNGSTEN 4-5 CLAIMS, ATLIN, B.C.

LOOKING NORTH ON BOULDER CREEK,
BLACK DIAMOND TUNGSTEN SHOWING
IS LOCATED ON LEFT MOUNTAIN PEAK.

LOOKING EAST AT THE SCHEELITE 1-4 CLAIMS
8-10 KM SOUTH OF HAZELTON, B.C.



LOOKING NORTH ON BOULDER CREEK,
ACTIVE PLACER MINING EQUIPMENT
LOCATED VERY CLOSE TO THE SOUTH
TUNGSTEN SHOWING 3 KM FROM SURPRISE LK



GEOLOGY OF THE ADANAC CLAIM GROUP
BOULDER CK. & RUBY MTN., ATLIN, B.C.

FIG. 4

NTS 104 N/11 W ATLIN MINING DIVISION

LEGEND

TERTIARY AND QUATERNARY VOLCANICS
- 11 Olivine Basalt, Pyroclastic debris, Tephra

CRETACEOUS MT. LEONARD BOSS, PERIPHERAL PHASE OF THE SURPRISE LK. BATHOLITH
- 10 Coarse grained Qtz. Monzonite, Includes transitional facies to Hybrid Porphyry
- 9 Mafic (Biotite-rich) Qtz. Monzonite Porphyry
- 8 Sparse Qtz. Monzonite Porphyry
- 7 Crowded Qtz. Monzonite Porphyry
- 6 Fine-grained Qtz. Monzonite Porphyry
- 5 Mafic (Biotite-rich) Sparse Aplite and Aplite Porphyry

JURASSIC/CRETACEOUS 4TH OF JULY BATHOLITH
- 4 Diorite

PENNSYLVANIAN/PERMIAN CACHE CK. GROUP
- 3a Peridotite (weakly metamorphosed)
- 3b Serpentinite
- 3c Serpentinite with strong carbonate alteration
- 2 Undifferentiated metavolcanic & metasedimentary
- 2a Metavolcanic
- 2b Metasediment
- 2c Chert
- 1 Marble

Geological Contact — Trench
Fault and/or Shear — Adit
Outcrop — Claim Line
Creek

NOTE: All Minfile listings prefixed 104 N

SCALE 1:12,000

0 500m.

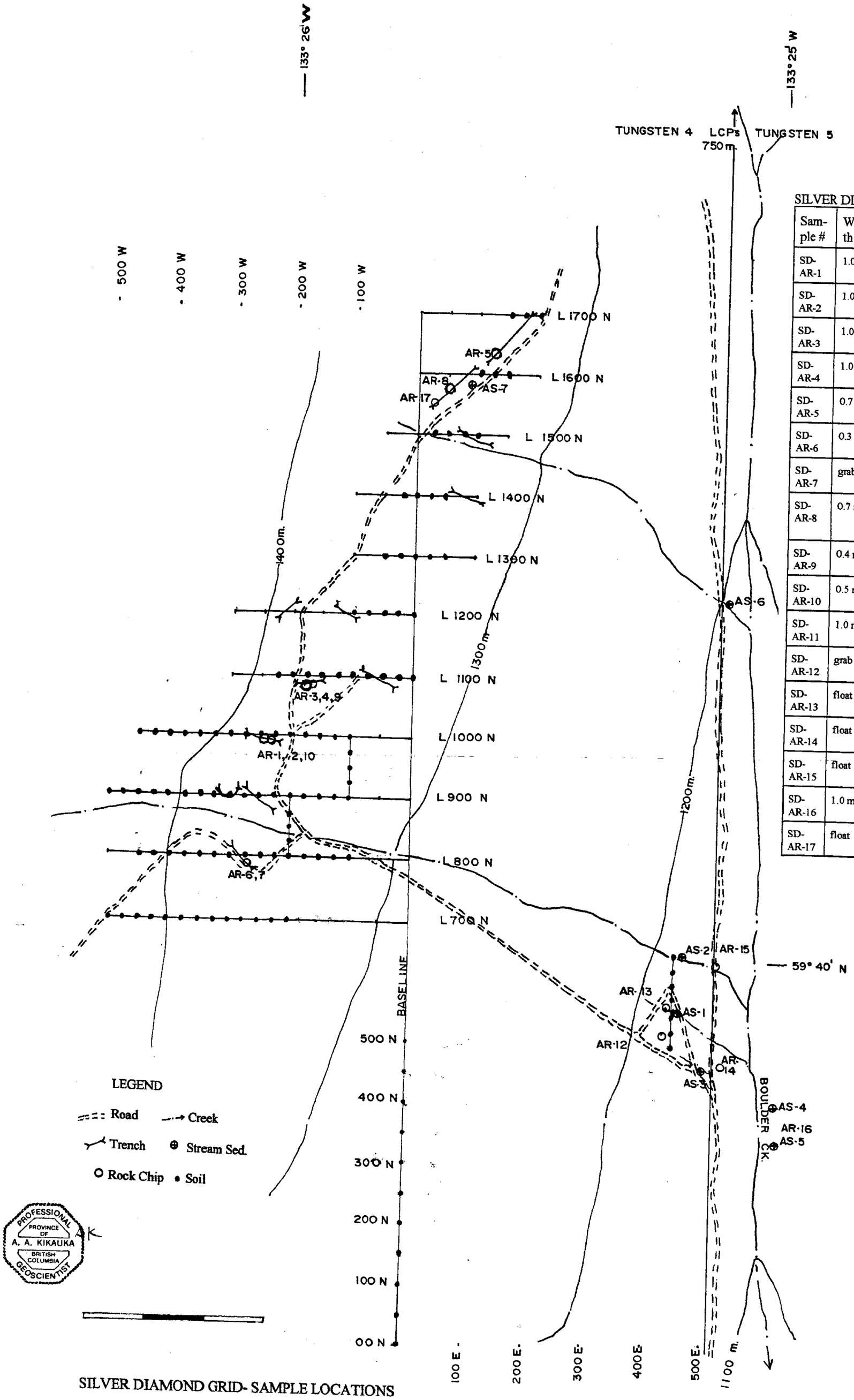
PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — A. A. KIKAUKA — GEOSCIENTIST

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,895

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,895



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. A. KIKAUKA
GEOSCIENTIST

SILVER DIAMOND GRID- SAMPLE LOCATIONS

TRIM NTS 104 N 063, ATLIN MINING DIVISION

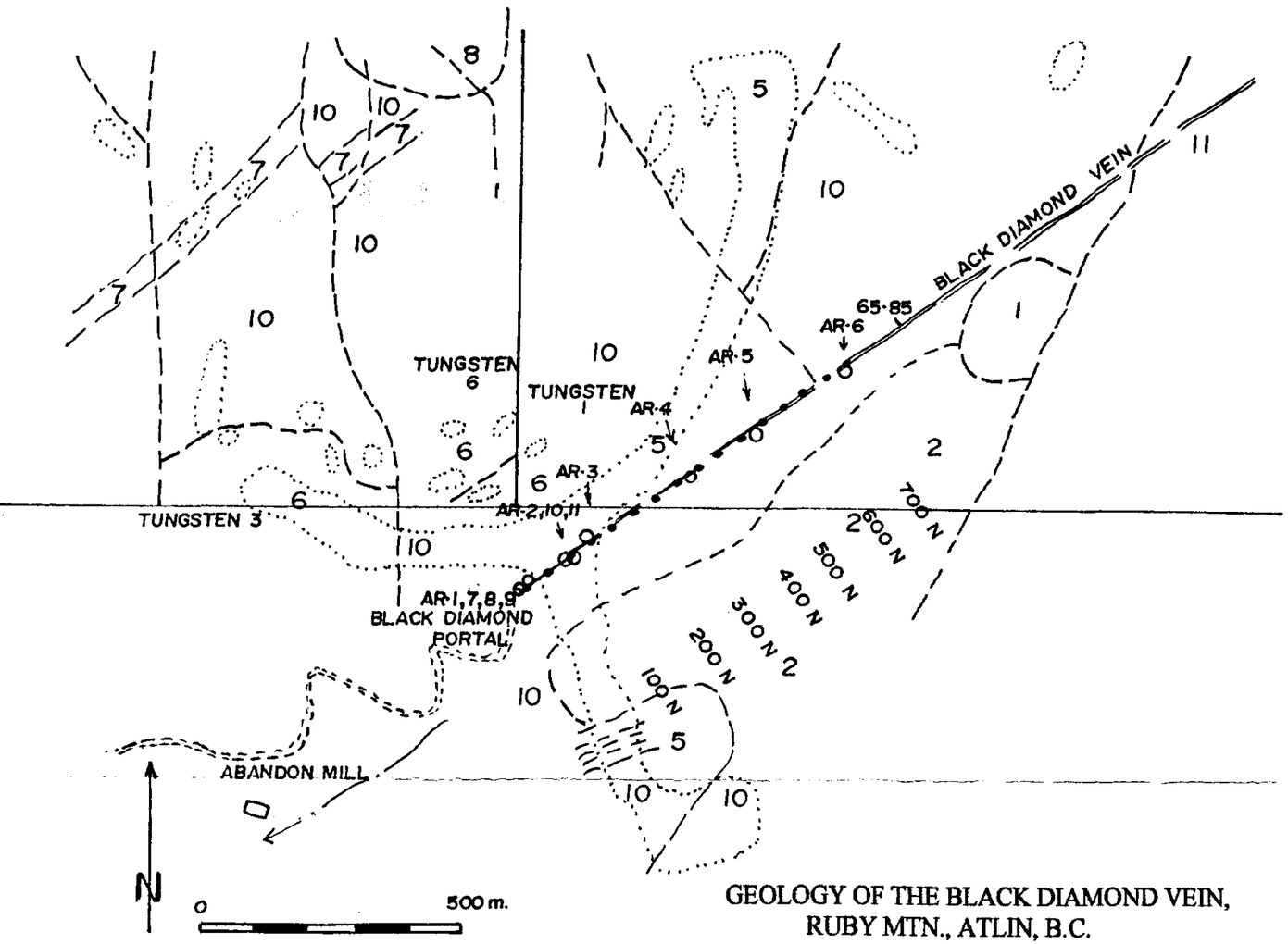
SCALE 1: 5,000 1 cm. equivalent to 50 m FIG. 5

SILVER DIAMOND- ROCK CHIP SAMPLE DESCRIPTIONS & GEOCHEM ANALYSIS

Sample #	Width	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
SD-AR-1	1.0 m	Skarn, py.,pyo.,cpy.,sph.,massive sulphide trending 090, dip 65 N	25,139	78,897	2	369.5	95
SD-AR-2	1.0 m	Skarn, py., pyo., cpy., adjacent to AR-1	4,775	144	66	18.3	17
SD-AR-3	1.0 m	Skarn, massive pyo., py., trace cpy.,	1,524	265	336	6.6	15
SD-AR-4	1.0 m	Same as above	635	3,011	266	7.1	21
SD-AR-5	0.7 m	Coarse grained qtz monz. hosted Qtz.vein with trace galena, cassiterite	33	377	79	106.4	8
SD-AR-6	0.3 m	Qtz.veining with py., pyo., cpy., mal., pyo., chl., scheelite	82	21	5	0.3	1
SD-AR-7	grab	Old sloughed in trench. Skarn boulders with py., pyo., cpy., sph., scheelite	37	19	5	0.5	26
SD-AR-8	0.7 m	Qtz vein, sparse sulphides, hosted in coarse grained qtz monz. (located 5 m north of AR-5), old trench beside road	491	452	564	34.7	564
SD-AR-9	0.4 m	Qtz vein, pyo., sph., py. cpy., scheelite with mixed skarn/peridotite host rock	145	92	183	13.6	6
SD-AR-10	0.5 m	Qtz.vein with pyo., py., cpy., sph.,	153	266	884	32.5	8
SD-AR-11	1.0 m	North Zone Adit, quartz vein >1% sulphides, host qtz. monz. porphyry	31	13	81	1.0	280
SD-AR-12	grab	Qtz carbonate with py.,cpy.,cutting serpentinite & greenstone host rock	312	12	65	0.4	3
SD-AR-13	float	Angular qtz.vein material with sparse limonite from old sloughed in trench	26	19	48	0.3	1
SD-AR-14	float	Peridotite and serpentininte with disseminated cpy., py.	819	47	5	0.3	3
SD-AR-15	float	Qtz. veining with 3% py., trace cpy. as fracture coatings	46	12	276	0.9	3
SD-AR-16	1.0 m	Qtz.-carbonate veining in qtz.monz. porphyry, 1% py, trace cpy.	35	46	22	0.3	1
SD-AR-17	float	Qtz.-carbonate vein with py., pyo., cpy.	67	24	10	0.9	1

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,295



BLACK DIAMOND GRID- SAMPLE LOCATIONS

TRIM NTS 104 N 074, Atlin Mining Division
Scale 1:10,000 1 cm equivalent to 100 m

LEGEND

Road — Creek

Trench • Soil

○ Rock Chip (All samples prefix BD)

PROFESSIONAL ENGINEER PROVINCE OF A. A. KIKAUKA BRITISH COLUMBIA GEOSCIENTIST

AK

GEOLOGY OF THE BLACK DIAMOND VEIN, RUBY MTN., ATLIN, B.C.

NTS 104 N/11 W, TRIM NTS 104 N 074
ATLIN MINING DIVISION

FIG. 6

LEGEND

CRETACEOUS MT. LEONARD BOSS, PERIPHERAL PHASE OF THE SURPRISE LK. BATHOLITH

10 Coarse grained Qtz. Monzonite, Includes transitional facies to Hybrid Porphyry
9 Mafic (Biotite-rich) Qtz. Monzonite Porphyry
8 Sparse Qtz. Monzonite Porphyry
7 Crowded Qtz. Monzonite Porphyry
6 Fine-grained Qtz. Monzonite Porphyry
5 Mafic (Biotite-rich) Sparse Aplite and Aplite Porphyry

PENNSYLVANIAN/PERMIAN CACHE CK. GROUP

2 Undifferentiated metavolcanic & metasedimentary

Geological Contact

Fault and/or Shear — Adit

Outcrop — Claim Line

BLACK DIAMOND- ROCK CHIP SAMPLE DESCRIPTIONS & GEOCHEM ANALYSIS

Sample #	Width	Description	Cu ppm	Zn ppm	W ppm	Ag ppm	Au ppb
BD-AR-1	1.0 m	Qtz.vein with py., scheelite, tourmaline	19	20	607	0.8	12
BD-AR-2	1.0 m	Qtz.vein with py.,limonite, hosted in qtz. monz. porphyry	16	7	107	4.6	26
BD-AR-3	1.0 m	Same as above	16	6	189	8.5	2
BD-AR-4	1.0 m	Same as above	38	13	164	33.6	25
BD-AR-5	0.7 m	Qtz.vein with py., scheelite, and hornblende crystals to 2cm	195	48	1.079	4.8	40
BD-AR-6	0.3 m	Qtz.veining with py., cpy., gal., arsenopyrite, strong jarosite alteration	1,888	261	13	178.1	13,100
BD-AR-7	0.5 m	Qtz crystals, pyrolusite fracture filling	74	133	402	1.1	6
BD-AR-8	0.5 m	Qtz.vein with scheelite, py.	174	25	131	248.7	75
BD-AR-9	0.4 m	Same as above	1247	1392	687	16.7	10
BD-AR-10	0.5 m	Qtz.vein with py., sericite	28	100	15	4.6	15
BD-AR-11	1.0 m	Same as above	28	27	4	0.3	4

Soil Samples from the Black Diamond baseline at the following grid reference relative to the Black Diamond portal, BD 7+00 N and BD 7+50 N gave the following results:

Grid ref	ppm Cu	ppm Pb	ppm Ag	ppm As	ppm Sb	ppm Bi	ppm W	ppb Au
BD 7+00 N	513	3,553	40.5	8,437	623	220	248	410
BD 7+50 N	501	3,206	31.4	6,253	348	202	150	380

This soil anomaly is coincident with rock chip sample BD-AR-6 which contains elevated Cu-Pb-Ag-As-Sb-Bi-Au values.

A second zone of elevated Cu-As-Sb-Bi-Au in soil occurs near the Black Diamond portal:

Soil grid ref	ppm Cu	ppm Pb	ppm Ag	ppm As	ppm Sb	ppm Bi	ppm W	ppb Au
BD 0+00 N	203	98	5.9	394	51	127	588	26
BD 1+00 N	199	39	3.3	55	8	12	20	27
BD 1+50 N	227	81	4,0	276	42	199	436	20

FIG. 7

SILVER DIAMOND GRID- MAGNETOMETER SURVEY

TUNGSTEN 4 CLAIM, TRIM NTS 104 N 063, NTS 104 N 11/W
INSTRUMENT USED- GEOMETRICS G-836 PROTON MAGNETOMETER
DIURNAL VARIATIONS CORRECTED BY LOOPING
ALL READINGS IN GAMMAS, SURVEY DATE- MAY, 2002

> 58,000 GAMMAS

57,600-57,999 GAMMAS

< 57,000 GAMMAS

SCALE 1: 2,777 (3.65 cm equivalent to 100 m)

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. A. KIKAUKA
GEOSCIENTIST

L 700 N
L 800 N
L 900 N
L 1000 N
L 1100 N
L 1200 N
L 1300 N
L 1400 N
L 1500 N
L 1600 N
L 1700 N

600 W 575 W 550 W 525 W 500 W 475 W 450 W 425 W 400 W 375 W 350 W 325 W 300 W 275 W 250 W 225 W 200 W 175 W 150 W 125 W 100 W 075 W 050 W 025 W 00 W 025 E 050 E 075 E 100 E 125 E 150 E

57520 57440 57475 57359 57373 57437 57372 57377 57378 57386 57469 57502 57499 57456 57398 57334 57333 57489 57639 57450 57255 57313 57305 57268 57158 57150 57199 57269 57274 57287 57295 57342 57352 57381 57393 57377 57381 57396 57304 57342 57366

57489 57433 57399 57366 57347 57433 57359 57347 57332 57288 57313 57331 57351 57418 57360 57629 57508 57233 57195 57203 57311 57294 57275 57321 57352 57354 57333 57336 57344 57321 57329 57370 57391 57401 57403 57464 57388 57417 57493 57444 57408

57401 57332 57294 57264 57241 57255 57322 57241 57362 57420 57482 57505 57463 57259 57145 57301 57403 57348 57356 57375 57381 57362 57381 57405 57393 57429 57429 57449 57452 57482 57451 57418 57417 57397 57482 57386 57360 57422 57373 57539 57401

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57338 57341 57436 57422 57419 57444 57463 57488 57433 57429 57435 57447 57467 57439 57441 57451 57439 57434 57443 57455 57436 57421 57448 57491 57432

1400m

1300m

ROAD

ROAD

ROAD

BASELINE

TUNGSTEN 4
LCP 850 m.

0
100 m

N

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,895