

SUB-RECODER
RECEIVED
JAN 23 1989
M.R. # ..... \$ .....
VANCOUVER, B.C.

LOG NO: 0127	RD.
ACTION:	
FILE NO:	
FILMED	

GEOLOGICAL AND GEOCHEMICAL  
ASSESSMENT REPORT  
ON THE  
ROSSLAND-AIR SUPPLEMENTAL CLAIM GROUP

TRAIL CREEK MINING DIVISION  
N.T.S. 82F/4W, 4E

LATITUDE 49°3'30"N

LONGITUDE 117°46'W

G E O L O G I C A L   B R A N C H  
A S S E S S M E N T   R E P O R T

OWNER: Inland Au-Ag Resources Ltd.

OPERATOR: Kerr Addison Mines Ltd.

18,310

AUTHOR: G.R. Thomson, B.Sc.,  
November, 1988.

## TABLE OF CONTENTS

	<u>PAGE #</u>
SUMMARY	1
CONCLUSIONS	2
RECOMMENDATIONS	3
INTRODUCTION	4
LOCATION AND ACCESS	4
TOPOGRAPHY AND CLIMATE	5
CLAIM DATA	5
HISTORY	6
GENERAL GEOLOGY	7
ECONOMIC GEOLOGY	8
1. Tigre Trench Showings	8
2. Cam 2 - Nobus	10
3. Zinc Vein	13
4. Zilor	14
GEOCHEMICAL SOIL SURVEY - TIGRE CLAIM	15
GEOPHYSICAL SURVEYS	16
PROPOSED WORK PROGRAM	19
ESTIMATED COST OF RECOMMENDATIONS	21 & 22
REFERENCES	23

## APPENDICES

APPENDIX I	Itemized Cost Statement
APPENDIX II	Statement of Qualifications
APPENDIX III	Rock Sample Analyses
APPENDIX IV	Soil Sample Analyses
APPENDIX V	Rock Sample Descriptions

TABLE OF CONTENTS - cont'd

ILLUSTRATIONS

		<u>PAGE #</u>
1. Location Map	Fig. 1	4a
2. Claim Map	Fig. 2	5a
3. Regional Geology Map	Fig. 3	7a
4. Claim and Sample Location Map	Fig. 4	(Back Pocket)
5. Geological Trenching Plans		
a) Tigre Trench Area	Fig. 5	(Back Pocket)
b) Cam 2 Trench Area	Fig. 6	(Back Pocket)
6. Geochemical Soil Survey Plans		
a) Gold	Fig. 7 )	
b) Copper	Fig. 8 )	(Back Pocket)
c) Arsenic	Fig. 9 )	
7. B.C. Mineral Inventory Map of Rossland Area	Fig.10	(Back Pocket)

## SUMMARY

The Rossland area, in the Trail Creek Mining Division, has been worked for gold-copper-silver mineralization since the 1890's and is ranked as the second largest gold producer in British Columbia.

Between 1894 and 1941, a total of 5,600,000 tonnes of ore with an average grade of 13 grams of gold per tonne, 17 grams silver per tonne and 1% copper was produced from the veins of Rossland mines.

Most of the early production centered around the northern and western part of the camp, where the veins were predominantly copper and gold producers. Some of the famous mines were the War Eagle, Centre Star, Le Roi and Josie Crown granted claims.

As part of its regional exploration of the Rossland Volcanic Belt, Kerr Addison Mines Ltd., carried out a preliminary investigation on a group of mineral claims owned by Inland Au-Ag Resources Ltd. The claims lie immediately south of the city of Rossland, B.C. within a general geologic environment referred to as the 'South Belt'. Kerr Addison Mines was granted the right of preliminary exploration work by Inland to carry out investigations on the Air Supplemental claims, a group of contiguous claims straddling the east-west extent of the "South Belt". The claim group consists of five-four post claims (46 units), four-two post claims, and four-reverted Crown grant claims.

Exploration work by Kerr Addison consisted of mapping and sampling old workings and showings, backhoe trenching on three separate claims and a geochemical soil survey surrounding mineral showings on the Tigre Claim.

CONCLUSIONS

On the Inland—"South Belt" claim group, the Tigre trench area is the most promising to date. The Tigre trench area lies within a zone of altered Rossland Group volcanic and sedimentary rocks in proximity to their contact with an intrusive body referred to as the Rossland monzonite.

The Tigre trench area contains a diverse suite of ore type mineralization consisting of magnetite, pyrite, pyrrhotite, arsenopyrite and chalcopyrite. Gold values are generally associated with increased concentrations of arsenopyrite/chalcopyrite.

Mineralization within the trench area occurs along an east-west strike direction, typical of most "South Belt" mineral occurrences. This structural trend is similar to that of the now defunct Crown Point Mine, located approximately 0.5 km east of the Tigre trench area. The Crown Point Mine contains ore mineralization (Au, Cu, Ag) of the "Rossland" type and consists of auriferous pyrrhotite, chalcopyrite and some pyrite.

There is a good indication that mineralization on the Crown Point property and the Tigre trench area are structurally and mineralogically related. Should this relationship prove valid, the potential exists for a mineralized strike length of at least 0.75 km.

RECOMMENDATIONS:

Further exploration of the Air Supplemental property should be carried on in the vicinity of the Tigre trench area. The existing soil grid surrounding the trench area should be expanded in order to carry out systematic geologic mapping, soil sampling, magnetometer and V.L.F.-E.M. Surveys.

It is also recommended that additional backhoe trenching be carried out to determine the cause of coincident gold-copper-arsenic geochemical anomalies as located by the 1988 soil geochemical survey.

Based on results from grid surveys and backhoe trenching, a program of diamond drilling should be carried out on the Tigre claim. Drilling should commence in the area of strongest auriferous mineralization and continue both east and west along the predominant trend of the mineralized structure.

Some consideration should also be given to mineralized showings on the Cam 2 and Nobus claims. At present, the Cam 2 showing is the more promising with disseminated to massive occurrences of arsenopyrite veining disrupted by pulaskite dykes.

The Nobus showing consists of a narrow arsenopyrite fracture filling having limited volume potential or strike length. Both the Cam 2 and Nobus showings contain anomalous gold values and occur within similar geologic environments.

### INTRODUCTION

During the 1988 field season, Kerr Addison Mines Ltd. carried out a preliminary geological investigation of Rossland-South Belt mineral claims owned by Inland Au-Ag Resources Ltd.

The property is underlain by geology favorable for the discovery of gold-copper deposits with several mineral occurrences located throughout the claim group.

Mineralization within the Rossland "South Belt" is related to east-west fracture systems and occurs roughly over a distance of 5 km., between the Deer Park Mine property on the west and the Crown Point Mine property on the east. There are 2 recognized main vein systems (Blue Bird and Homestake) in the South Belt which occur 100 to 400 metres south of the southern edge of the Rossland monzonite in siltstone, hornfelsic siltstone, volcanic conglomerate and augite porphyry of the Rossland Group. They are within the zone of thermal metamorphism associated with the monzonite. Many northerly trending lamprophyre dykes and a few granite and diorite porphyry dykes transect the Rossland Group rocks.

The writer was employed by Kerr Addison Mines Ltd. to locate, map and sample all mineralized outcrops and old mine workings located within Inland mineral claims. The exploration program was carried out on an intermittent basis over the period June 5 to September 28, 1988. Able assistance to the exploration program was provided by assistant geologist, Gregg Stewart.

### LOCATION AND ACCESS

The claims lie about 1.5 to 2.5 km south of Rossland, B.C. and extend 2.5 km to the west and about 5.5 km to the east. It is in the Trail Creek Mining Division on Map 82F/4W and 4E. The longitude is  $117^{\circ}43'$  to  $50'$  West and the latitude is  $49^{\circ}05'$  North. Old mining roads, logging roads and an old railway grade give access to most parts of the claims.



KERR ADDISON MINES LTD

ROSSLAND PROPERTY  
TRAIL CREEK MINING DIVISION, B. C.

PROPERTY LOCATION MAP  
PROVINCE OF BRITISH COLUMBIA

TOPOGRAPHY AND CLIMATE:

The elevation on the claims range from about 850m in the north central part of the property, in the Trail Creek Valley to about 1,370m in the southeast, on the slopes of Lake Mtn., and 1,340m to the northwest at Deer Park Hill. Most of the area is drained by Cambridge Creek, Tigre Creek and Gopher Creek all of which flow north into Trail Creek. For the most part, the topography is gentle with few steep slopes.

Much of the area has been logged in the past and it is now covered with regrowth from scrub to commercial forest. Minor cultivated land lies within the claim ground.

The climate is generally one of rather long cold winters and cool summers in the higher laying areas with relatively high totals of rain and snow. The low lying valleys have in contrast, warm summers, shorter winters and lower precipitation. The claim ground may receive a snowfall of one to one and half meters. The eastern part of the claims face north and may not be snowfree until sometime in May.

CLAIMS

The Air Supplemental claim group lies entirely within the Rossland-South Belt and consists of the following claims:

<u>Claim</u>	<u>Record Number</u>	<u>No. of Units</u>	<u>Record Date</u>	<u>Expiry Date</u>
Air 1	589	12	Jan. 12/81	Jan. 12/89
Hillside	553	4	Oct. 28/80	Oct. 28/89
Tigre	772	15	Dec. 8/83	Dec. 8/88
Pine	852	6	Oct. 24/85	Oct. 24/89
Cam 1	795	9	May 18/84	May 18/89
Cam 2	854	2-Post(1)	Oct. 24/85	Oct. 24/89
Cam 3	855	2-Post(1)	Oct. 24/85	Oct. 24/89
Hobus	649	2-Post(1)	May 18/82	May 18/91
Nobus	650	2-Post(1)	May 18/82	May 18/91
Morning Star	574	R.C.G.(1)	Jan. 9/81	Jan. 9/89
Zilor	506	R.C.G.(1)	Mar. 5/80	Mar. 5/89
Black Diamond	523	R.C.G.(1)	May 27/80	May 27/89
Sunbeam Fraction	524	R.C.G.(1)	May 27/80	May 27/89
		54 Units		

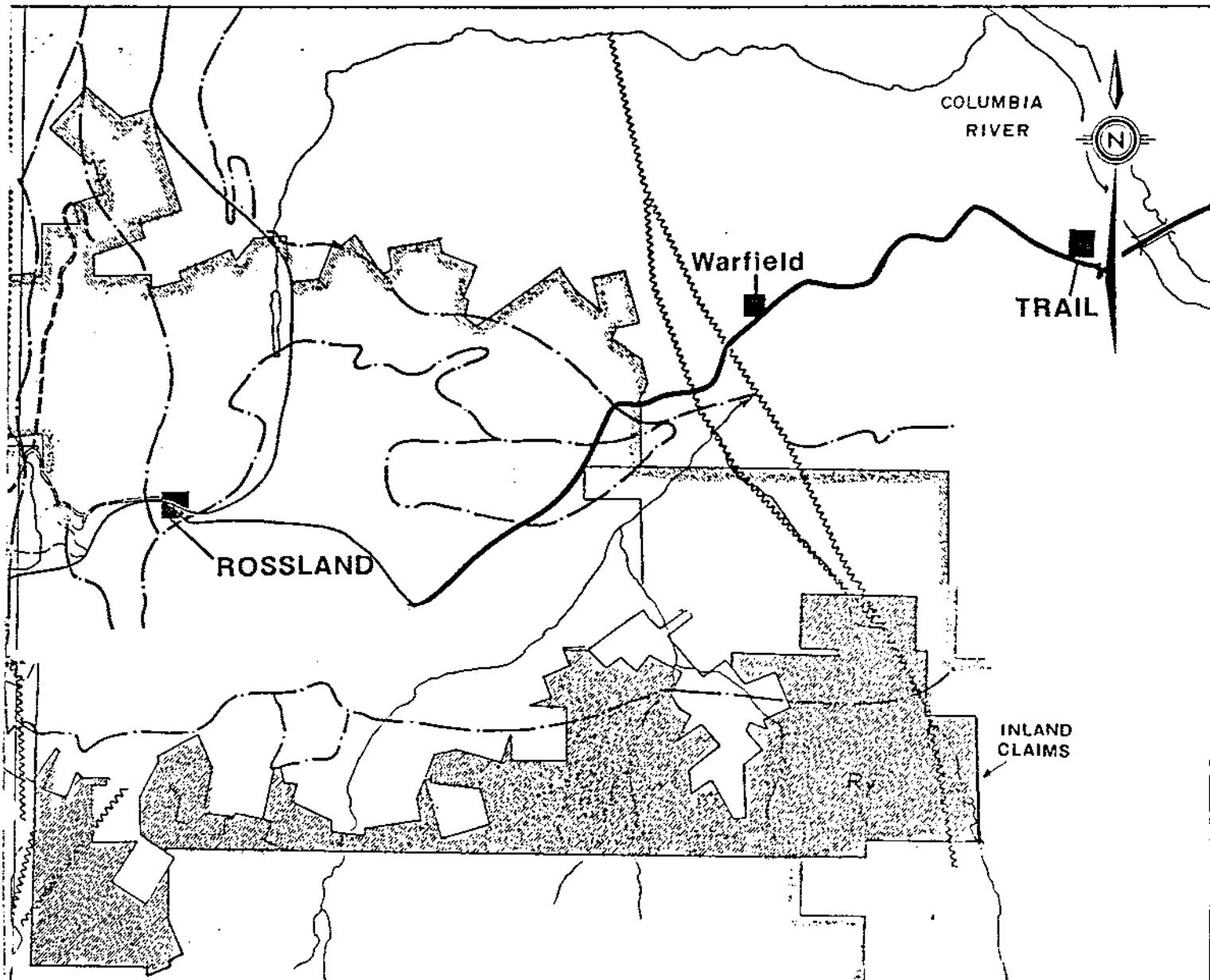


FIG. 2

0 500 1000 2000 3000  
METERS

KERR ADDISON MINES LTD

LOCATION OF INLAND  
Au - Ag REC. LTD  
CLAIM HOLDINGS

SCALE - 1:50 000

DATE - October, 23, 1988

DRAWN BY - PH.

DATA - F.D., L.L., J.P., LG

NTS - 82 F/4

REVISED -

## HISTORY

Historical descriptions of the South Belt area are given by Livgard (1986) and Bragg (1987).

The first claim in the region, the Lily May, was located in 1887 and relocated in 1889. The main producing claims were staked in 1890. Exploration was started immediately and small handpicked ore shipments were sent to Butte, Montana. Development and shipments gradually increased and a smelter at Trail was fired up in 1896. Peak production was reached in 1903 with 360,000 tons and averaged 286,000 tons for the next 13 years. It declined sharply in 1917 and continued to decline until 1928 when the main mines closed. Total output has been 5.4 million tonnes, at an average recovered grade of 15.68 grams gold per tonne; 19.65 grams silver per tonne and 1% copper was also recovered. At today's prices, this is worth about 1.3 billion dollars. (Grades averaged by the writer from information in J.T. Fyles Bull. 74.)

Several veins were located in the south belt such as the Mayflower-Blue Bird vein which has been traced for some 1,200 metres. The Homestake vein which may be over 2,200 metres long and other veins on the Lily May, Zilor and to the east the Crown Point. Considerable underground work has been done on these claims, but only modest production has taken place. In the period 1972 to 1979, about 10,000 tons of ore was mined from the Blue Bird-Mayflower vein by some of the principals of Inland. The ore was either shipped directly to smelter or milled. The work was carried out under the name Standonray Mines and the claims were optioned from Rossland Mines Ltd. Several claims forming part of the present claim block, were staked for Standonray Mines at that time. In 1980, Rubicon Resources Ltd. was formed in an attempt to consolidate the south belt group and to finance continued exploration. A large aerial survey taking magnetic and electromagnetic readings was carried out in 1980 - 1981. The survey consisted of a total of 350 km of lines. Other surveys were carried out previous to this i.e. Self Potential Survey (Potentiometer) by Rossland Mines Ltd. in 1947; Electromagnetic Survey by Kerr Addison, W.M. Sirola in 1962; Geochemical Survey for Cu-Mo by Rossland Mining Company, Dr. A.C. Skerl in 1967-68; and several (18) small magnetic surveys have been done during 1980 to 1985.)

The claim ground in this south belt is now held by Antelope Resources Ltd., which holds most of the Crown granted claims; Cominco which holds the Crown Point area, Inland Au-Ag Resources Ltd. which holds the Air Supplemental Group and a few reverted Crown grants and several individuals who hold mostly staked claims.

### GENERAL GEOLOGY

The Rossland area is underlain by sedimentary and volcanic rocks which have been intruded and metamorphosed by igneous rocks (see GSC Memoir 308 by L.V. Little).

The oldest formation is the Mount Roberts Formation, (Pennsylvanian) which are sediments consisting of slates, limestones, quartzites and greenstones mostly andesites and banded tuffs.

This in turn is overlain by the Rossland Formation (Lower Jurassic) which consists mainly of lava flows of andesitic to basaltic composition, augite porphyry, and bodies of tuff and argillite.

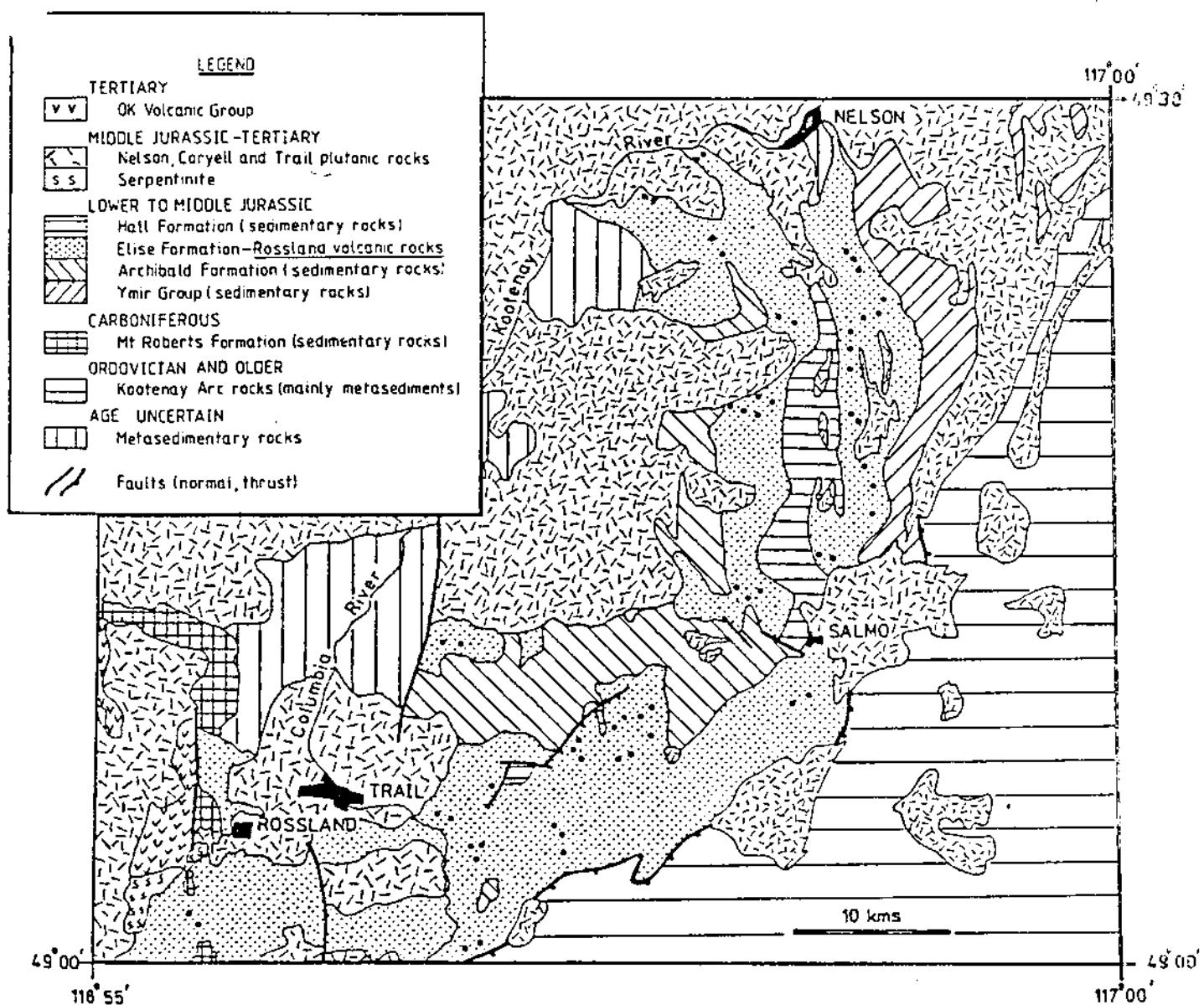
The above rocks have all been intruded by a number of different intrusions in the following sequence:

Ultrabasic Intrusions	(Lower Cretaceous)	serpentinized peridotite
Rossland Monzonite	(Lower Cretaceous)	monzonite
Nelson Plutonic rocks	(Lower Cretaceous)	granite and other phases
Coryell Plutonic rocks	(Tertiary)	alkali granite and syenite
Sheppard Intrusions	(Tertiary)	alkali granite and syenite

Most of all these formations in turn have been subjected to faulting and the intrusion of numerous dykes of various composition from monzonite to basalts. In general these dykes are steeply dipping and trend to the North.

In the area to the south and southeast of Rossland there are east - west fractures or faults along which mineralization has been emplaced. The mineralization seems to be well developed vertically, but is limited horizontally. One such vein on the Blue Bird crown grant measures about one hundred feet horizontally and has been drilled vertically to a depth of two hundred and forty feet and is open downward.

There are two known mineralized fractures of considerable length in what is known as the south belt. The Blue Bird - Mayflower vein system has been traced over a distance of 1200 metres from the eastern portion of the Hattie Brown crown grant through the Blue Bird, Copper Queen, Olla Podrida and on to the Alfie crown grants and still may be open on both ends. The second vein system is the Homestake vein, and although it is not known for certain that this is a continuous system, mineralization has been found along a strike distance of 2200 metres. This system runs through the Monday, Homestake, Gopher, Maid of Erin, Robert E. Lee, Celtic Queen crowns grants and on to the Tigre claim.



Regional Geology Map      Rossland Area

Fig. 3

#### GENERAL GEOLOGY - cont'd

There are numerous other short fractures in the area along which mineralization has been found, but since information is scarce, it is not known whether these mineralized occurrences are aligned and along continuous fracture systems.

The ongoing Geological and Geophysical investigations, along with prospecting is contributing to the fund of information on the Rossland camp and the surrounding area.

#### ECONOMIC GEOLOGY

Several occurrences of potentially economic mineralization occur within or adjacent to the Air Supplemental claim group.

Mineral occurrences are ranked in order according to their importance in terms of overall mineralization grades and apparent dimensions.

These occurrences include:

1. Tigre trench area
2. Cam 2 and Nobus trench areas
3. Zinc vein workings
4. Zilor workings

##### 1. Tigre Trench Showings (Contact Metamorphic Zone)

At present, this area appears to have the greatest potential for economic development. Backhoe trenching on the Tigre claim was carried out over a two day period. Trenching was justified by the presence of strong magnetite-arsenopyrite-pyrrhotite mineralization which occurs in two old shafts located 20 metres apart, at the north-central part of the Tigre claim. The old shafts are believed to be part of the now non-existent Gem crown grant. Six rock samples taken from mostly massive mineralization assayed high in gold. Sample numbers 330456H, 330457H, 330458H, 330495H, 330496H, and 330497H assayed the following for gold respectively (in ounces per ton): 0.042, 0.188, 0.464, 0.255, 0.155 and 0.024.

### 1. Tigre Trench Showings - cont'd

Based on these high results, mineralization was trenched along an east-west strike for approximately 75m. The width and length of the mineralized zone remains indeterminate at present due to the limited amount of trenching performed.

Within the trench area, mineralization consists of a narrow (5-10 cm) central core of massive arsenopyrite, flanked by a much broader zone of massive magnetite, pyrite, pyrrhotite and minor chalcopyrite. Mineralization exposed by trenching is highly oxidized which indicates the breakdown of indeterminate amounts of pyrite and pyrrhotite.

Rock alteration mineralogy in proximity to sulphide and magnetite mineralization is complex and suggests a contact metamorphic environment. Specific alteration minerals noted were epidote, calcite, hornblende, garnet, muscovite and graphite.

Zones of sporadic secondary silicification occur within the trench area, typically associated with fine grain disseminated chalcopyrite. One trench sample site exhibiting strong silicification (sample #330023H) assayed 0.514 oz/ton gold across a 2m width.

The highest gold assays from the trench area occurs in a small separate portion of trenching 25 metres east of the most easterly of the two old shafts. This sample (330041H) consists of green silicified volcanics with massive magnetite and minor pyrite-chalcopyrite and assayed 0.626 oz/ton gold. (See Tigre trench assay plan - Fig. 5).

Massive arsenopyrite mineralization has also been located in 2 old pits to the west and along strike from the trench area. These pits are located on the 1988 geochemical soil grid at 0+75W - 0+10N and 1+74W, 0+15N. At these 2 sites, mineralization occurs along narrow silicified shears within hornfelsed siltstones. At location 1+74W, 0+15N two rock samples gave gold assay values of 0.328 and 0.238 oz/ton (Samples 330043H, 330128H).

2. Cam 2, Nobus ~ Gold-Arsenic Showings

The exploration target consists of the southern half of the Nobus claim and northern half of the Cam 2 claim. These claims cover ground previously held by surveyed lots Ottawa #1 (Lot 1193), High Ore #2 (Lot 2945), Agnes (Lot 5214) and Ural (Lot 2944).

The rock type in this area is a medium grain intrusive mapped as Rossland monzonite. The monzonites have been metamorphosed showing chloritization and epidotization.

Over a two day period backhoe trenching was carried out on both the Cam 2 and Nobus mineral showings. Only half a day was spent trenching the Nobus showing due to the limited width of mineralization and relative difficulty of access.

A. Nobus

The Nobus mineral showing is located near the centre of the Nobus claim, adjacent to the Cambridge Creek Reservoir road and immediately west of Cambridge Creek.

Mineralization consists of a narrow arsenopyrite fracture filling occurring within altered Rossland monzonite.

The 1986 report by Livgard describes the Nobus showing as follows:

..."An old pit located just west of Cambridge Creek near the centre of Nobus mineral claim has been excavated to an estimated depth of 5 metres. The pit is now half full of broken rock. The near surface walls of the pit show narrow fracturing (5cm) with oxide and at the side of the fracturing specks and minor stringers of arsenopyrite and pyrrhotite can be seen. A sample across 0.33 metres of fracture and wallrock (sample #6238) assayed 0.1 oz/ton Ag and 0.196 oz/ton Au. High grade unoxidized material from the dump presumably from deeper in the pit contained an estimated 50% arsenopyrite (sample #6239) and assayed 0.1 oz/ton Ag, 0.74 oz/ton Au, and 14.2% As. From the size of the mineralized samples on the dump, it appears that the mineralization widens with depth. This seems to occur quite frequently in the Rossland camp.

To the east about 6-8 metres, another shallow pit contains similar mineralization on strike (sample #6240) and assayed 4.05% As, 0.16 oz/ton Ag and 0.216 oz/ton Au across 0.5 metres.

A. Nobus - cont'd

..."Ten metres to the north an outcrop shows the same rock type and contains some narrow (2cm) quartz stringers which have a few cavities with oxide. A further 15 metres north is found an old trench 30 metres long and 1/3 metres deep. The trench is partly filled and overgrown. Some of the rocks on the dumps show the same rock type with minor quartz stringers and oxide and blebs of arsenopyrite. This material (sample #6241) assayed 0.07 oz/ton Ag and 0.074 oz/ton Au. The writer considers the values in this sample particularly significant.

The non-existent surveyed parcel Ural (L2944) lies very close to the above showings. It has recorded shipments of 8 tonnes grading 27.25 g/t Au and 38.88 g/t Ag. It is possible that these shipments came from the above showings.

The aerial photo study shows an interesting star-shaped configuration of lineaments centered on the area."

Trenching on the Nobus mineral showing exposed a vein structure for approximately 10m. The veining is narrow (5-10cm)'and consists of mainly massive to disseminated arsenopyrite hosted in altered monzonites. A north-south trending shear appears to terminate the mineralization at the west end of the trench. Cambridge Creek occurs approximately 50m east of the Nobus mineral occurrence. The creek may be an expression of a fault structure which likely cuts off mineralization in an easterly direction. The overall strike length or volume potential appears limited at present.

In 1988, seven rock samples were taken for assay from the Nobus mineral occurrence. Gold values are consistently anomalous with one high value of 0.368 oz/ton. (See Claim and Location Map - Fig. 4).

Considering the consistent high assay values for gold at this showing, the area should be included as part of a grid survey that includes the nearby Cam 2 mineral occurrences.

Exploration can best be carried out by soil surveying, analyzing the samples for gold-arsenic-copper and geological mapping covering an area 500 metres by 800 metres. This work should be followed by trenching of anomalous areas and by thorough sampling of any mineralized area. A plugger and blasting should be used to obtain fresh samples.

B. Cam 2

Trenching was carried out on the Cam 2 mineral showings over a period of one and a half days. Trenching was justified based on strong gold assay results obtained both by the author and by E. Livgard in 1986.

The results of sampling by Livgard is as follows:

..."The Cam 2 mineral showings are located about 400 to 500 metres southwest of the Nobus gold-arsenic showing and just south of the border to the Hobus claim. The old workings consist of a rock trench about 15 metres long, 3-4 metres deep and 1.0 to 1.5 metres wide. The trench follows a fine grained quartz vein which strikes N40°E, and dips vertically. It carries a large percentage of arsenopyrite and pyrite. On the dump was also noted pyrrhotite and copper (malachite, chalcopyrite) mineralization. A sample (#6242) 0.6 metres wide across the vein high in arsenopyrite assayed 0.3 oz/ton Ag, 0.12 oz/ton Au and 23.6% As. Another sample (#6243) 1.4 metres wide across the vein and wallrock with disseminated sulphides assayed 0.09 oz/ton Ag, 0.028 oz/ton Au and 12.2% As. The exposed mineralization terminates against a dyke. Fifty metres to the west-southwest and on strike with the above vein is another pit about 3 metres wide and 2 metres deep. The mineralization here consists of up to 50% arsenopyrite in a central siliceous zone (vein?). On both sides of this structure is found specks and stringers of arsenopyrite and minor pyrrhotite with occasional specks of chalcopyrite. A sample (#6244) across 1.5 metres assayed 0.23 oz/ton Ag, 0.078 oz/ton Au and 14.3% As."

Approximately 50m of trenching was carried out on the two areas of old workings separated approximately 50 metres apart from each other.

The more easterly of the two trench areas is referred to as trench #1 (see Geological Plan for Cam 2 Claim, Fig. 6). This area was trenched along strike (E-W) to test mineralization continuity extending westward from the old trench workings.

Two minor pods of massive arsenopyrite with magnetite were exposed within fine grain silicified volcanics (altered monzonite?). Of three samples taken on newly exposed bedrock, one assayed 0.5 oz/ton over 15cm. This mineralization appears to be separated from mineralization found in the old workings by an intervening 10m wide pulaskite dyke. The mineralization appears to be spotty and discontinuous. There is potential, however, to investigate extensions of mineralized strike length at the eastern end of the old trench workings.

B. Cam 2 - cont'd

In the area of the old pit, located 50m west of trench #1, trenching was carried out to expose fairly wide massive arsenopyrite mineralization as occurs in the old pit. The mineralization occurs over a strike distance of about 8 metres and lies between and is terminated at either end by 2 north-south trending parallel pulaskite dykes. Three assay samples were taken from the arsenopyrite mineralization, all with relatively low gold values.

A short trench was dug immediately east of the two pulaskite dykes, to test continuity of mineralization between trench 1 and trench 2. Bedrock at this location was not encountered.

Mineralization at the Cam 2 trench areas appears limited in extent, however, further trenching is justified both to the west and east of present limits. The Cam 2 area should be included as part of a geological-geochemical grid area investigation as described for the Nobus claim area.

Both the Nobus and Cam 2 mineral showings contain high grade gold values and should receive further investigation in the form of further trenching along with close spaced geochemical and geophysical surveys centered on the known showings.

3. The Zinc Vein - East Extension onto Tigre Claim

The Zinc vein is located on the eastern boundary on Celtic Queen (L987, Antelope) and the Tigre mineral claim. C.W. Drysdale (G.S.C. Memoir 77, 1915) describes it as being on the old Trilby (L1626, non-existent C.G.). It has been impossible to locate the boundary of these claims in the field and a transit survey would be required to determine how much of the vein lies on each claim ground. The showing has been described by P.J. Santos, P.Eng., in a report dated June 1978. A series of old trenches and shallow shafts expose the vein for a distance of 60m. The vein trends E-W and dips 85°N. It consists of quartz with a high percentage of sulphide, mainly sphalerite but also pyrite, pyrrhotite, arsenopyrite and minor galena. At the surface the vein is from 0.3 - 0.6m wide while at a depth of 6m in one shaft it has widened to 1.2m. Sampling by P.J. Santos, P.Eng., gave the following assays:

<u>Width</u>	<u>oz Au/t</u>	<u>oz Ag/t</u>	<u>% Pb</u>	<u>% Zn</u>	
48"	0.14	0.40	0.06	7.2	20' depth
12"	0.05	0.06	0.12	7.4	
Dump	0.10	0.70	0.10	25.0	
Dump	N/A	2.60	0.25	8.8	
24"	0.18	1.20	0.23	17.6	

One sample taken by E. Livgard (1986) over 0.45m width on surface assayed 0.158 oz Au/ton, 1.12 oz Ag/ton and 15.2% Zn.

During 1988, 3 samples were taken by the author for assay. Two of the samples (330073H, 330074H) were taken from vein material in 2 separate shafts. These samples taken across 0.5 and 1.0m respectively assayed 0.182 oz/ton Au, 1.0 oz/ton Ag, >10,000 ppm Zn and 0.25 oz/ton Au, 0.716 oz/ton Ag, >10,000 ppm Zn. Both of these samples are also strongly anomalous in arsenic and cadmium.

A self potential survey (Assessment Report 034), EM Survey and mineral showings indicate that this structure may extend over 1,000 metres west on to Robert E. Lee (L1292) and that it may extend east some 700 metres. A magnetic survey was carried out over the showings by D.K. Bragg in 1985. It showed irregular magnetic highs at the vein, but did not cover sufficiently far east to pick up any continuation of the vein. No work should be carried out on this showing until the claim boundary has been defined.

#### 4. Zilor Claim

The Zilor claim occurs at the west end of the Air Supplemental Claim group. The Zilor reverted crown grant claim is bounded on the south by a portion of the Pine claim and on the north by two claims owned by Antelope Resources Ltd.

The Zilor claim contains 2 old shafts (one totally collapsed) located approximately 25m apart along a general east-west strike. Between the two shafts is an intervening vein structure of indeterminate width, but at least 1m wide. The westerly shaft is reported to be 20m deep with 1-2m of massive sulphide mineralization along the west wall of the shaft.

Mineralization consists mainly of massive, fine to coarse grain pyrrhotite, sphalerite, pyrite, galena with lesser chalcopyrite. The mineralization is hosted in siltstones of the Rossland Group.

4. Zilor Claim - cont'd

Four samples were taken from the mineralized zone (Nos. 330470H, 330471H, 330113H, 330114H) with high values obtained for silver, lead, copper and zinc, but low values in gold.

A narrow, but well defined S.P. anomaly is located apparently over the vein, and extends west on to the Black Horse (L.1059-Antelope) or the Air 1 (Inland), very close to their common border. This indicates that the Zilor vein may continue west for an additional 200 metres or more. A magnetic high is coincident with the S.P. anomaly.

A complete description of the Zilor workings may be found in assessment report 9054 in a report on the Zilor, Lily May, Black Horse and Richmond Crown grants by P.J. Santos, June 1980.

GEOCHEMICAL SOIL SURVEY - TIGRE CLAIM

The geochemical soil grid was established in 1988 to surround the mineralization on the Tigre trench area. The grid consists of 10 lines spaced 50m apart and 200m each in length with sample intervals every 10m. The baseline runs east-west and was established to coincide with the general east-west strike of the mineralized structure.

Soil samples were collected by mattock, from the B soil horizon, at a depth of not less than 15cm. All soils were dried and sieved through a ~80 mesh screen. Fire assay is carried out on a 10 gram sample with atomic absorption finish. For 32 element I.C.P. analysis samples undergo nitric acid-aqua regia digestion followed by the I.C.P. analysis.

Geochemical results were plotted and contoured for gold, copper and arsenic. There are several strong coincident anomalies occurring along the north side of the grid area. In particular, the arsenic values show a continuous linear anomaly extending from the trench area to the western limit of the grid area. These anomalous areas suggest targets for future trenching programs.

Good potential exists for the discovery of additional gold mineralization on the Tigre claim beyond present known limits.

#### GEOPHYSICAL SURVEYS

Various geophysical surveys have been carried out on the South Belt mineral claims since 1947. Types of surveys conducted include self potential (S.P.), electromagnetic, magnetic and aerial magnetic-electromagnetic surveys.

##### Self Potential Survey

A self potential survey was carried out in 1947-48 by Dr. A.R. Clark of the Physics Department at U.B.C. for Rossland Mines Ltd., S.G. Bruce - Engineer (Assessment Report 034). The survey was carried out along lines spaced 400 feet apart with readings taken every 50 feet. The readings were plotted in millivolts. The survey covered all of the Inland claims west of the Crown Point. It gave, according to the report, highly satisfactory results. Known mineralization responded well and anomalies lined up with expected extensions, sometimes for several thousand feet. The only difficulty was caused by the Mount Roberts Formation (Rossland Group?) which in places consists of graphitic slate and gives an S.P. response (i.e. Curlew - L.1220, Cominco). There are perhaps a few areas on the survey where deep overburden may mask any anomalous condition.

One of the S.P. anomalies referred to as S3 is located on the Tigre mineral claim over the mineralized contact metamorphic zone (old non-existent Gem L.984 and Uncle Sam L.983). The anomaly is essentially circular, but internal contouring indicates an east-west trend. The anomaly coincides with good mineralization as exposed in old workings and recent backhoe trenching in east-west trending veins or zones.

##### Electromagnetic Surveys

Two electromagnetic surveys have covered parts of the claim area. An aerial magnetic-electromagnetic survey covering 350 linear kilometers was carried out by Apex Aerial Surveys Ltd. The report describing the survey is by R.F. Sheldrake, B.Sc. The survey used a Geonics 33-1 magnetometer. The survey was done for Rubicon Resources Ltd. and covered most of the Rossland mining camp. The Inland claims were covered from just east of the Crown Point to the western border of the claims. The ground electromagnetic survey is a Crone Shootback E.M. survey described by W.M. Sirola in September 1962. The survey was done for Kerr Addison Mines Ltd. The survey covered an area generally north of the Inland claims, but a part of Hillside, Tigre and Pine claims were done. These surveys were reviewed and commented on by Cliff Candy, B.Sc., Geophysicist of White Geophysical Inc. for Inland in February 1986.

GEOPHYSICAL SURVEYS - cont'd

Electromagnetic Surveys - cont'd

The comments by Mr. Cliff Candy, B.Sc. are not particularly favourable. The conductors located by the ground survey are described: "None of the conductors are particularly strong and most are of narrow half width suggesting shallow origin."

In contrast to this rather negative statement must be placed the fact that the best mineralized vein presently known in the south belt is the Mayflower - Blue Bird vein. Two mines have in the past been established on this vein and more than 16,000 tons of ore have been produced from them. The mines have ore grade material remaining in these workings and below the Mayflower main vein to a depth of up to 100 feet. Diamond drilling has cut up to 38 feet (not true width) of mineralization (Appendix). This vein shows no response on the aerial EM survey and according to Cliff Candy, B.Sc. none on the ground EM survey. Neither does W.M. Sirola, P.Eng. report any anomaly on the vein. The other "strong" vein in the south belt, the Homestake, gives an EM response.

In view of the above discussion, the writer feels that the anomalies which were outlined by the EM surveys take on an added significance.

The aerial electromagnetic survey defined an anomaly on the Tigre mineral claim (old non-existent Southern Cross - L.964) extending for about 400m in a NE-SW direction. It is coincident with a well defined aerial magnetic lineament which extends northeast to the end of the survey and southwest to the border of the claim. These anomalies also appear to be coincident with a self potential anomaly (S-2).

Magnetic Surveys

Magnetic surveying over known mineralized zones (veins) has indicated that such veins will respond and may be outlined providing the survey points along the lines are very closely spaced (5m). The response may be quite low, from 200 gamma and up.

Eighteen magnetic surveys using a McPhar fluxgate magnetometer have been carried out on various parts of the claims by D.K. Bragg. Magnetic readings in these surveys have been taken every 5 metres along the lines usually 25 metres apart.

MAGNETIC SURVEYS - cont'd

Tigre M.C. (1981-1982)

The first two surveys in 1981 and 1982 covered about 10 km on the Tigre claim and outlined some irregular magnetic high areas associated with the Zinc vein at the boundary between the Celtic Queen and the Tigre claim. No potential extensions of the vein were outlined.

Hobus and Nobus Claims (1984)

In 1984, a magnetic survey of 5.1 km covering parts of the Hobus and Nobus claims was carried out. It did not cover the interesting arsenopyrite-gold showing on the Nobus claim, but one line indicated a magnetic response over an arsenic-gold (pyrrhotite) showing on the Hobus claims. Other magnetic highs trend east-west across the Hobus claim.

Tigre M.C. (1985)

The northwest corner of the Tigre claim was surveyed with 5 km of lines. Two magnetic highs were outlined striking northeasterly on both sides of Trail Creek. No reason for the high magnetic response is known.

Tigre M.C. (1986)

A magnetic survey was done in the area of the Zinc vein in conjunction with an assessment of the Zinc vein (survey contouring-rehabilitating old workings). The lines were spaced at 25m and readings at 5m. The survey did not outline the Zinc vein. It gave a magnetic high striking northeasterly and crossing the vein and appears to be part of an arc-like high magnetic response.

There are numerous other self-potential, magnetic and electromagnetic anomalous responses related to other areas of the Air Supplemental - South Belt mineral claims. This report is mainly concerned with anomalous areas related to mineralized zones occurring on the Tigre and Cam 2 - Nobus mineral claims.

For a more complete description of geophysical results on other claims of the Air Supplemental Group, the reader is referred to the report on the South Belt claims for Inland Au-Ag Resources Ltd. by E. Livgard (1986).

PROPOSED WORK PROGRAM

Future work programs on the Air Supplemental Claim Group should begin and concentrate on the auriferous sulphide showings on the Tigre claim.

The small geochemical grid which presently covers an area of 450m (B.L.) by 200m should be expanded to cover a baseline length of 1km extending from the eastern boundary of the Celtic Queen claim (Lot 987) eastward to Tigre Creek, which roughly marks the eastern boundary of the Tigre claim with the western boundary of the Crown Point property. North-south lines should be extended from 100m north and south of the baseline to 200m. This grid expansion, therefore will cover a total area of 0.2km<sup>2</sup>.

In addition, the westernmost half of the grid area should extend south lines to a distance of 400m to cover possible eastward extensions from the 'zinc vein' which occurs at the common west Tigre - Celtic Queen claim boundary. This southern addition produces an additional grid area of (.2 x .5) 0.1 km<sup>2</sup>.

The total amount of grid line kilometers proposed is therefore:  $(10 \times 600\text{m}) + (10 \times 400) + (1 \text{ km} - \text{B.L.}) = 11 \text{ km.}$

The grid area should be geologically mapped and geochemically soil sampled. Sample intervals should be no less than 20m.

It is also recommended that a program of closed spaced magnetometer and V.L.F.-E.M. be carried out over the grid area to delineate underlying vein structures.

Coincident with grid establishment and subsequent surveys, it is recommended that backhoe trenching be continued to test the east-west continuity of the presently known mineralized structure. It is also recommended that trenching be carried out to determine the cause of the coincident gold-copper-arsenic soil anomalies found along and north of the Tigre trench mineralization zone. Based on the results of the grid surveys and/or trenching program, a decision may be made to commence a program of diamond drilling.

The Cam 2 - Nobus area appears to have a lower economic potential than the Tigre trench area and thus a smaller work program is recommended for this area.

PROPOSED WORK PROGRAM - cont'd

It is suggested that a grid area be established to encompass both the Nobus and Cam 2 areas of mineralization. An 800m baseline running east-west should be established along the common claim boundary between the northerly Hobus-Nobus claims and the southerly Cam 2-Cam 3 claims. The eastern end of the baseline should lie at Cambridge Creek. North-south lines should extend 250m north and south of the baseline, thus creating a grid area of 0.4 km<sup>2</sup> with total grid line length of 8.8 km (including baseline).

Initially the grid area should be geologically mapped and geochemically soil sampled at 20m intervals. Soils should be tested for copper and arsenic with gold assaying left as an option.

Limited trenching may be considered in the area of known showings or on new areas that are discovered over the course of grid survey work.

ESTIMATED COST OF RECOMMENDATIONS (Stage 1)

A. TIGRE CLAIM (Contact Metamorphic - Zinc Vein Zones)

1.	Grid Establishment 11 km @ \$200/km	\$ 2,200
2.	Geologic Mapping 1 Geologist - 10 days @ \$250/day	2,500
3.	Geophysical Surveys a) Magnetometer - 10km @ \$300/km b) Electromagnetometer - 10km @ 300/km	3,000 3,000
4.	Backhoe Trenching 10 days @ \$500/day	5,000
5.	Blasting, Sampling 2 men, 10 days @ \$500/day	5,000
6.	Geochemical Analyses a) Soil Sampling - 800 (10m spacing) @ \$15 b) Rock Sampling - 100 @ \$18	12,000 1,800
7.	Supervision, Travel, Report Preparation	<u>5,000</u>
	TOTAL	\$37,000

ESTIMATED COST OF RECOMMENDATIONS

B. CAM 2 - NOBUS CLAIM AREAS

1. Grid Establishment 9 km @ \$200/km	\$ 1,800
2. Geologic Mapping 1 Geologist - 7 days @ \$250/day	1,750
3. Geophysical Surveys - (may be warranted based on other surveys)	
4. Backhoe Trenching 4 days @ \$500/day	2,000
5. Blasting, Sampling 2 men, 4 days @ \$500/day	2,000
6. Geochemical Analyses a) Soil Sampling - 425 samples (20m spacing) @ \$15 b) Rock Sampling - 50 x \$18	6,375 900
7. Supervision, Travel, Report Preparation	<u>3,000</u>
	TOTAL: \$17,825

REFERENCES

- American Mining Company (1962), for Rossland Mines Ltd., Map of SP and Anomalies and Geology.
- Bragg, D.K., Prospecting Report on SDR and Hillside Claims, (also magnetic survey), November 1st, 1981.
- Bragg, D.K., Prospecting Report on Sunbeam L5008, Black Diamond L1444, Union Jack L1288, Poor Property L1273, July 15, 1982.
- Bragg, D.K., Geophysical Report on the SDR claim, November 1st, 1982.
- Bragg, D.K., Geophysical Report on the Hobus and Nobus Claims, July 14, 1984.
- Bragg, D.K., Geophysical Report on the Tigre Claim, January 15, 1985.
- Bragg, D.K., Geophysical Report on the Morning Star L3023 for Rubicon Resources Ltd., March 15, 1985.
- Bragg, D.K., Geophysical Report Air and Cap Claims, for Rubicon Resources Ltd., March 15, 1985.
- Bragg, D.K., Geophysical Report on the Cam 1 Claim, July 15, 1985.
- Bragg, D.K., Geophysical and Geological Report on Tigre Claim, February 15, 1986 (Ass. Report 14, 345).
- Bragg, D.K., Prospecting Report on the Cam 2 and 3 Claims, owner Inland Au-Ag Resources Ltd., Jan. 5, 1988.
- Bragg, D.K., Geophysical and Topographical Report on Air Supplemental Group, owner Inland Au-Ag Resources Ltd., December, 1987.
- Bragg, D.K., Geological and Geophysical Report on Cam 1, owner Inland Au-Ag Resources Ltd., July 20, 1988.
- Brock, R.W., (1906), Preliminary Report on the Rossland, British Columbia Mining District, Geol. Surv., Canada, Summ. Rept., 1906, Report No. 439.
- Bruce, E.L., (1917), Geology and Ore Deposits of Rossland, British Columbia, B.C. Ministry of Energy, Mines & Pet. Res., Bull. 4 (old series)
- Carlyle, W.A., Report on the Trail Creek Mining District, Bull. #2, B.C. Provincial Bureau of Mines, August, 1896.

- Drysdale, C.W. (1915), Geology and Ore Deposits of Rossland, British Columbia, Geol. Surv., Canada, Mem. 77.
- Eastwood, G.E.P., (1966), Minister of Mines, B.C., Ann. Rept., 1966, pp. 200-207.
- Fyles, J.T. (1967), Minister of Mines, B.C., Ann. Rept., 1966, pp. 236-238.
- Fyles, J.T. (1970), Preliminary Map of the Rossland Area, B.C. Ministry of Energy, Mines & Pet. Res., Prelim. Map No. 4.
- Fyles, J.T., Harakal, J.E., and White, W.H., (1973), The Age of Sulphide Mineralization at Rossland, British Columbia, Econ. Geol., Vol. 68, pp. 23-33.
- Fyles, J.T., (1984), B.C. Dept. of Mines, Bull. #74, Geological Setting of the Rossland Mining Camp.
- Gilbert, G., (1948), Rossland Camp, in Structural Geology of Canadian ore Deposits (Jubilee Vol.), C.I.M., pp. 189-196.
- Little, H.W., (1960), Nelson Map-Area, British Columbia, Geol. Surv., Canada, Mem. 308.
- Little, H.W., (1963), Rossland Map-Area, British Columbia, Geol. Surv., Canada, Paper 63-13 (Map 23-1963).
- Little, H.W., (1982), Geology of the Rossland-Trail Map-Area, British Columbia, Geol. Surv., Canada, Paper 79-26 (Map 1504A).
- Livgard, E., Report on Rossland Area - South Belt Claims for Inland Au-Ag Resources Ltd., April 15, 1986.
- Santos, P.J., Report on Standonray Mines and Zinc Claims, Rossland South Belt, unpublished report, 24 p, 1978.
- Santos, P.J., Report on Mayflower South Vein and the Zinc Claims Rossland Mining District, June, 1979.
- Sheldrake, R., Report on a Helicopter Magnetic and Electromagnetic Survey for Rubicon Resources Ltd. by Apex Airborn Surveys Ltd., March 25, 1981, Assessment Report #10355.
- Sirola, W.M., Electromagnetic Survey of Rossland Mines' properties, September, 1962.
- Skerl, Dr. A.C., Rossland Mining Company Exploration Possibilities Report, May 5, 1967.

Stevenson, J.S. (1935), Rossland Camp, Minister of Mines, B.C., Ann. Rept., 1935, pp. E4-E11.

Thorpe, R.I., (1967), Mineralogy and Zoning of the Rossland Area, unpub. Ph.D. thesis, University of Wisconsin.

Thorpe, R.I. and Little, H.W., (1973), Discussion, The Age of Sulfide Mineralization at Rossland, Econ. Geol., Vol. 68, pp. 1337-1346.

White, W.H.,(1949), Rossland South Belt, Minister of Mines, B.C., Ann. Rept., 1949, pp. 157-163.

ASSESSMENT REPORTS

#024

August 1947 (?)  
Rossland Mines Ltd.,  
Geology of the South Belt  
S.G. Bruce, A.R. Clark, W.R. Baker Engineers

#025

January 1948  
Rossland Claims, Valley Mining Co.  
Geology and SP Survey East of Crown Point  
by E.P. Kaiser, R.C. MacDonald, H.C. Guinning, Engineers

#026

November 16, 1947  
Rossland Mines Ltd.  
Geology and SP Survey Tigre Creek  
by S.G. Bruce, W.R. Baker

#032

March 18, 1948  
Geology and SP Survey Hillside Claim  
Rossland Mines Ltd. by S.G. Bruce and W.R. Baker

#034

March 19, 1948  
Rossland Mines Ltd.  
Geology and SP Survey of the South Belt  
S.G. Bruce Eng., Dr. A.R. Clark, W.R. Baker

#1094

October 28, 1967  
Geochemical Survey - South Belt  
Rossland Mines Ltd. by Dr. A.C. Skerl

#9054

June 7, 1980  
Report on the Zilor Group of Claims  
for Ray Spinks by P.J. Santos

#11441

August 25, 1983  
Geochemical and Geophysical Report on the  
Jero #1 to #4 Claims for Jero Resources Ltd.  
D.G. Allen, P.Eng.

APPENDIX I  
ITEMIZED COST STATEMENT

1. PERSONNEL

Project Geologist - Greg Thomson  
June 6 - Sept. 28, 1988  
32 days @ \$175 per day \$ 5,600

Assistant Geologist - Gregg Stewart  
June 6 - Sept. 28, 1988  
32 days @ \$120 per day 3,840

2. MEALS, ACCOMMODATION

\$30/day x 32 days x 2 people 1,920

3. TRUCK RENTAL

\$50/day (\$35 rental + \$15 gas) x 32 days 1,600

4. ASSAYING, GEOCHEMICAL ANALYSES

a) Rock Assays 92x\$18 1,656  
b) Soils (Au, Ag Assay + 32 Element I.C.P. 200x15 3,000

5. BACKHOE TRENCHING 28.5 hrs.x\$50/hr. 1,425

6. SHIPPING COSTS (Rock, Soil Samples), Telephone 300

7. FIELD SUPPLIES 450

8. REPORT PREPARATION, DRAFTING, PHOTOCOPYING 2,100

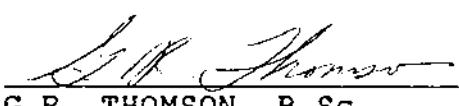
\$21,891

APPENDIX II  
STATEMENT OF QUALIFICATIONS

I, GREG R. THOMSON of 20133 - 43rd Avenue, Langley, B.C. DO  
HEREBY CERTIFY:

1. I am a graduate geologist from the University of B.C., with B.Sc., 1970 in Geological Sciences.
2. I have practised my profession since 1970.
3. I have no interest in the Air Supplemental Claim group or in Inland Au-Ag Resources Ltd., nor do I expect to receive any such interest in the future.
4. This report is based upon personal geological work on the Air Supplemental Claim Group over the period June to September, 1988.
5. I consent to the use of this report in a Prospectus or a Statement of Material Facts.

DATED at VANCOUVER, B.C., this 22nd day of November, 1988.

  
G.R. THOMSON, B.Sc.

### APPENDIX III

#### GEOCHEMICAL ANALYSES OF ROCK/MINERAL SAMPLES TAKEN FROM INLAND SOUTH BELT MINERAL CLAIMS

Please refer to Claim and Sample Location Map and Trenching Plans for Tigre and Cam 2 claims (Figs. 4, 5, 6)

NOTE: Rock samples are subjected to primary and secondary jaw crushing, tertiary core crushing, rotary pulverized and screened to -100 mesh. Screen is examined for 'metallics'. All samples were assayed for gold and silver as well as undergoing 32 element I.C.P. analysis.

#### Fire assay procedure:

- a) Gold
  - 1/2 assay ton fusion
  - collection in silver bead
  - dissolution of silver bead in aqua regia
  - finish with atomic absorption analysis
  
- b) Silver
  - aqua regia digestion with atomic absorption analysis.

P	1	OF	6	minnova2		oz/T	oz/T	g/t	g/t	oz/T	oz/T	%	ppm	ppm	ppm	ppm	%
				Au	Ag	Au	Ag	Au	Ag	Au	Ag	Al	Ag	As	Ba	Be	Ca
	1		2		3	4	5	6	7	8	9	10	11	12	13		
1	330456	H		0.042	0.04	n/a	n/a	n/a	n/a	1.28	1.4	>9999.	30.	<0.5	<2.	0.45	
2	330457	H		0.188	0.04	n/a	n/a	n/a	n/a	0.19	2.0	>9999.	20.	<0.5	12.	0.35	
3	330458	H		0.464	0.12	n/a	n/a	n/a	n/a	0.77	4.4	>9999.	30.	<0.5	<2.	0.29	
4	330459	H		0.110	0.04	n/a	n/a	n/a	n/a	0.14	2.4	1610.	<10.	<0.5	<2.	0.47	
5	330460	H		0.086	0.04	n/a	n/a	n/a	n/a	1.56	1.4	>9999.	50.	<0.5	28.	1.13	
6	330461	H		0.176	0.20	n/a	n/a	n/a	n/a	2.20	2.8	>9999.	40.	<0.5	114.	0.88	
7	330462	H		0.004	0.01	n/a	n/a	n/a	n/a	1.70	0.6	1425.	360.	<0.5	6.	0.79	
8	330463	H		0.156	0.16	n/a	n/a	n/a	n/a	0.11	5.2	>9999.	<10.	<0.5	308.	0.04	
9	330464	H		0.042	0.09	n/a	n/a	n/a	n/a	0.74	3.8	>9999.	10.	<0.5	142.	0.35	
10	330470	H		0.030	2.29	n/a	n/a	n/a	n/a	0.59	70.4	>9999.	70.	<0.5	80.	0.32	
11	330471	H		0.022	5.42	n/a	n/a	n/a	n/a	0.45	161.6	5705.	10.	<0.5	238.	0.18	
12	330472	H		0.044	0.17	n/a	n/a	n/a	n/a	0.47	6.4	400.	30.	<0.5	32.	0.19	
13	330473	H		0.128	0.09	n/a	n/a	n/a	n/a	2.65	2.8	>9999.	60.	1.0	56.	1.09	
14	330474	H		0.368	0.61	n/a	n/a	n/a	n/a	2.13	23.4	>9999.	40.	1.5	136.	0.56	
15	330475	H		0.040	0.13	n/a	n/a	n/a	n/a	0.83	2.8	>9999.	10.	<0.5	48.	0.22	
16	330476	H		0.052	0.28	n/a	n/a	n/a	n/a	3.24	9.8	>9999.	30.	1.5	112.	1.41	
17	330477	H		0.002	0.01	n/a	n/a	n/a	n/a	2.37	0.8	855.	90.	1.0	10.	1.22	
18	330001			n/a	n/a	0.55	1.5	n/a	n/a	0.24	2.2	295.	<10.	<0.5	<2.	6.27	
19	330489			n/a	n/a	0.21	19.5	n/a	n/a	3.80	18.4	1465.	180.	<0.5	16.	1.75	
20	330493			n/a	n/a	0.07	1.5	n/a	n/a	1.78	2.4	20.	40.	<0.5	<2.	1.17	
21	330494			n/a	n/a	0.07	0.5	n/a	n/a	1.22	1.2	80.	20.	<0.5	<2.	0.93	
22	330495			n/a	n/a	7.24	1.5	n/a	n/a	1.01	2.0	>9999.	20.	<0.5	<2.	0.38	
23	330496			n/a	n/a	4.39	1.5	n/a	n/a	1.24	1.6	>9999.	80.	<0.5	<2.	0.82	
24	330497			n/a	n/a	0.69	1.3	n/a	n/a	0.54	1.8	1555.	10.	<0.5	<2.	1.81	
25	330498			n/a	n/a	0.21	1.5	n/a	n/a	0.28	2.0	590.	<10.	<0.5	<2.	1.21	
26	330499			n/a	n/a	1.23	0.5	n/a	n/a	0.31	1.0	215.	<10.	<0.5	<2.	5.22	
27	330500			n/a	n/a	0.69	<0.5	n/a	n/a	0.64	1.2	115.	<10.	<0.5	<2.	6.25	
28	330012	H		0.006	0.03	n/a	n/a	n/a	n/a	2.44	1.4	>9999.	70.	<0.5	36.	0.46	
29	330013	H		0.499	0.10	n/a	n/a	n/a	n/a	1.35	3.8	>9999.	30.	<0.5	72.	0.19	
30	330014	H		0.032	0.09	n/a	n/a	n/a	n/a	1.57	3.6	>9999.	80.	<0.5	220.	0.21	
31	330015	H		0.010	0.04	n/a	n/a	n/a	n/a	0.79	1.6	3025.	20.	<0.5	<2.	2.43	
32	330016	H		0.018	0.02	n/a	n/a	n/a	n/a	1.98	1.2	>9999.	90.	<0.5	<2.	0.72	
33	330017	H		0.024	0.02	n/a	n/a	n/a	n/a	1.33	1.0	>9999.	110.	<0.5	<2.	0.61	
34	330018	H		0.004	0.03	n/a	n/a	n/a	n/a	1.92	1.4	2930.	20.	<0.5	<2.	1.81	
35	330019	H		0.064	0.02	n/a	n/a	n/a	n/a	1.77	1.2	>9999.	90.	<0.5	10.	2.50	
36	330020	H		0.140	0.04	n/a	n/a	n/a	n/a	0.94	1.8	>9999.	40.	<0.5	2.	0.35	
37	330021	H		0.160	0.06	n/a	n/a	n/a	n/a	2.28	2.8	>9999.	50.	<0.5	4.	2.86	
38	330022	H		0.066	0.01	n/a	n/a	n/a	n/a	0.95	0.8	895.	20.	<0.5	<2.	0.33	
39	330023	H		0.514	0.26	n/a	n/a	n/a	n/a	1.15	9.6	515.	20.	<0.5	4.	1.11	
40	330024	H		0.477	0.04	n/a	n/a	n/a	n/a	2.12	2.2	210.	10.	<0.5	4.	13.95	
41	330025	H		0.082	0.04	n/a	n/a	n/a	n/a	1.63	1.8	>9999.	60.	<0.5	4.	0.21	
42	330026	H		0.024	0.01	n/a	n/a	n/a	n/a	2.39	1.2	520.	70.	<0.5	<2.	3.03	
43	330027	H		0.026	<0.01	n/a	n/a	n/a	n/a	1.34	0.8	170.	20.	<0.5	<2.	3.85	
44	330028	H		0.056	<0.01	n/a	n/a	n/a	n/a	1.94	1.0	>9999.	30.	<0.5	6.	0.49	
45	330029	H		0.032	0.01	n/a	n/a	n/a	n/a	1.35	1.0	>9999.	120.	<0.5	<2.	1.32	
46	330030	H		0.078	0.03	n/a	n/a	n/a	n/a	1.44	1.6	>9999.	90.	<0.5	4.	0.25	
47	330031	H		0.118	0.03	n/a	n/a	n/a	n/a	0.73	1.6	>9999.	30.	<0.5	14.	0.25	
48	330032	H		0.010	0.01	n/a	n/a	n/a	n/a	0.98	0.8	>9999.	30.	<0.5	2.	4.04	
49	330033	H		0.038	0.04	n/a	n/a	n/a	n/a	3.06	1.6	>9999.	50.	<0.5	18.	1.29	
50	330034	H		0.036	0.03	n/a	n/a	n/a	n/a	2.91	0.8	>9999.	30.	<0.5	8.	1.43	

P	3	OF	6	minnova2	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
					Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	
					-14-	-15-	-16-	-17-	-18-	-19-	-20-	-21-	-22-	-23-	-24-	-25-	-26--	
1	330456	H	<0.5	78.	19.	779.	>15.00	10.	<1.	0.46	<10.	0.63	457.	<1.	0.01			
2	330457	H	<0.5	292.	12.	505.	>15.00	<10.	<1.	0.18	<10.	0.15	113.	<1.	0.01			
3	330458	H	<0.5	14.	24.	389.	>15.00	20.	<1.	0.39	<10.	0.30	311.	<1.	0.05			
4	330459	H	<0.5	348.	<1.	2230.	>15.00	<10.	<1.	0.01	<10.	0.09	133.	53.	0.01			
5	330460	H	<0.5	32.	28.	541.	7.27	10.	<1.	0.31	10.	0.70	354.	2.	0.05			
6	330461	H	<0.5	57.	56.	3868.	10.80	10.	<1.	0.53	10.	1.02	344.	2.	0.14			
7	330462	H	<0.5	25.	41.	252.	4.75	<10.	<1.	0.93	20.	1.79	265.	1.	0.07			
8	330463	H	<0.5	74.	25.	71.	11.80	<10.	<1.	0.01	<10.	0.04	92.	<1.	<0.01			
9	330464	H	<0.5	129.	21.	942.	>15.00	<10.	<1.	0.10	<10.	0.35	143.	<1.	0.06			
10	330470	H	>99.9	74.	5.	894.	14.78	<10.	<1.	0.19	<10.	0.26	268.	10.	0.03			
11	330471	H	>99.9	29.	2.	1351.	>15.00	<10.	<1.	0.08	<10.	0.11	574.	8.	<0.01			
12	330472	H	28.0	1.	12.	594.	3.51	<10.	<1.	0.07	<10.	0.29	223.	6.	0.01			
13	330473	H	14.0	28.	31.	766.	5.68	<10.	2.	0.71	20.	1.22	414.	5.	0.18			
14	330474	H	25.0	45.	30.	>9999.	10.36	<10.	<1.	0.41	20.	0.98	279.	7.	0.08			
15	330475	H	>99.9	42.	21.	279.	13.65	<10.	<1.	0.16	<10.	0.32	100.	8.	0.03			
16	330476	H	74.5	43.	32.	641.	7.33	<10.	3.	0.43	10.	0.63	215.	4.	0.29			
17	330477	H	<0.5	9.	32.	62.	3.33	<10.	<1.	0.88	20.	1.07	412.	<1.	0.22			
18	330001		<0.5	6.	6.	592.	14.51	20.	<1.	0.08	<10.	0.07	577.	<1.	0.21			
19	330489		9.0	15.	37.	241.	11.76	10.	<1.	1.06	10.	2.07	984.	<1.	0.28			
20	330493		<0.5	20.	34.	347.	3.49	<10.	<1.	0.28	10.	0.57	216.	<1.	0.17			
21	330494		<0.5	16.	24.	160.	3.20	<10.	<1.	0.19	10.	0.46	165.	<1.	0.10			
22	330495		<0.5	70.	<1.	536.	>15.00	<10.	<1.	0.39	20.	0.34	295.	<1.	0.04			
23	330496		<0.5	174.	<1.	245.	>15.00	<10.	<1.	0.89	20.	0.66	372.	<1.	0.02			
24	330497		<0.5	25.	<1.	1625.	>15.00	<10.	<1.	0.15	30.	0.28	377.	<1.	0.01			
25	330498		<0.5	<1.	<1.	339.	>15.00	<10.	<1.	0.06	30.	0.07	391.	<1.	0.04			
26	330499		<0.5	<1.	<1.	84.	>15.00	10.	<1.	0.03	<10.	0.06	674.	<1.	0.02			
27	330500		<0.5	17.	4.	674.	>15.00	20.	<1.	0.05	<10.	0.06	671.	<1.	0.03			
28	330012	H	<0.5	36.	64.	492.	13.91	<10.	<1.	0.17	10.	1.40	744.	<1.	0.02			
29	330013	H	<0.5	111.	47.	3741.	>15.00	<10.	<1.	0.11	<10.	0.66	206.	<1.	0.01			
30	330014	H	<0.5	66.	45.	562.	>15.00	<10.	<1.	0.10	<10.	0.68	261.	10.	0.01			
31	330015	H	<0.5	14.	33.	229.	>15.00	10.	<1.	0.08	<10.	0.15	728.	<1.	0.04			
32	330016	H	<0.5	77.	36.	1155.	>15.00	<10.	<1.	0.76	<10.	1.06	539.	<1.	0.04			
33	330017	H	<0.5	78.	37.	697.	11.55	<10.	<1.	0.69	<10.	0.62	315.	<1.	0.09			
34	330018	H	<0.5	13.	32.	518.	5.28	<10.	<1.	0.11	10.	0.82	686.	<1.	0.10			
35	330019	H	<0.5	96.	35.	491.	12.54	<10.	<1.	0.52	10.	0.56	616.	4.	0.04			
36	330020	H	<0.5	233.	12.	1721.	>15.00	<10.	<1.	0.26	10.	0.31	274.	8.	0.01			
37	330021	H	<0.5	58.	19.	1271.	>15.00	10.	<1.	0.35	<10.	0.56	1135.	3.	0.05			
38	330022	H	<0.5	<1.	11.	196.	>15.00	20.	<1.	0.23	<10.	0.14	329.	16.	0.03			
39	330023	H	0.5	26.	23.	4371.	5.62	<10.	<1.	0.25	10.	0.56	355.	6.	0.03			
40	330024	H	<0.5	11.	18.	136.	11.14	10.	<1.	0.06	<10.	0.17	2030.	<1.	0.01			
41	330025	H	<0.5	85.	27.	1838.	>15.00	10.	<1.	0.24	<10.	0.62	431.	5.	0.02			
42	330026	H	<0.5	19.	23.	998.	>15.00	10.	<1.	0.29	<10.	0.52	905.	7.	0.02			
43	330027	H	<0.5	12.	15.	449.	>15.00	10.	<1.	0.10	<10.	0.14	1404.	6.	0.03			
44	330028	H	<0.5	66.	18.	857.	>15.00	10.	<1.	0.32	10.	0.99	626.	5.	0.01			
45	330029	H	<0.5	9.	24.	298.	>15.00	10.	<1.	1.30	10.	0.39	415.	6.	0.03			
46	330030	H	<0.5	47.	30.	417.	>15.00	<10.	<1.	0.53	<10.	0.45	440.	6.	0.01			
47	330031	H	<0.5	47.	23.	227.	>15.00	<10.	<1.	0.27	<10.	0.32	228.	8.	<0.01			
48	330032	H	<0.5	25.	21.	506.	9.70	<10.	<1.	0.20	<10.	0.23	498.	1.	0.05			
49	330033	H	<0.5	19.	57.	805.	6.78	10.	1.	0.63	20.	1.57	471.	4.	0.21			
50	330034	H	<0.5	23.	44.	394.	5.20	10.	<1.	0.50	20.	1.23	400.	2.	0.22			

P	5 OF	6	minnova2	ppm Ni	ppm P	ppm Pb	ppm Sb	ppm Sc	ppm Sr	% Ti	ppm Tl	ppm U	ppm V	ppm W	ppm Zn
				27	28	29	30	31	32	33	34	35	36	37	38
1	330456	H		26.	820.	8.	15.	7.	6.	0.03	10.	<10.	97.	30.	14.
2	330457	H		31.	250.	6.	215.	2.	3.	0.02	10.	<10.	20.	<5.	7.
3	330458	H		6.	390.	2.	30.	7.	12.	0.07	30.	<10.	85.	<5.	17.
4	330459	H		157.	380.	14.	5.	2.	12.	<0.01	10.	<10.	13.	<5.	6.
5	330460	H		18.	1040.	24.	5.	3.	62.	0.07	<10.	<10.	47.	<5.	46.
6	330461	H		23.	1440.	16.	15.	9.	65.	0.10	<10.	<10.	92.	10.	115.
7	330462	H		26.	2020.	12.	<5.	7.	45.	0.28	<10.	<10.	125.	<5.	29.
8	330463	H		15.	150.	266.	60.	1.	4.	<0.01	10.	<10.	13.	<5.	10.
9	330464	H		27.	480.	52.	95.	5.	27.	0.02	<10.	<10.	34.	<5.	14.
10	330470	H		30.	930.	5966.	140.	2.	41.	0.03	10.	40.	30.	60.	>9999.
11	330471	H		29.	340.	9438.	35.	2.	14.	0.01	20.	70.	24.	80.	>9999.
12	330472	H		10.	390.	290.	<5.	1.	13.	0.04	<10.	10.	26.	5.	2206.
13	330473	H		10.	1460.	74.	15.	8.	96.	0.21	<10.	10.	94.	10.	619.
14	330474	H		14.	1350.	40.	15.	10.	44.	0.13	<10.	20.	99.	<5.	317.
15	330475	H		6.	650.	40.	100.	5.	23.	0.03	10.	40.	44.	<5.	85.
16	330476	H		9.	1030.	70.	65.	8.	226.	0.08	<10.	20.	60.	10.	61.
17	330477	H		8.	1750.	16.	10.	7.	98.	0.20	<10.	<10.	80.	5.	99.
18	330001			13.	270.	32.	<5.	1.	5.	0.03	<10.	<10.	23.	70.	22.
19	330489			8.	760.	1238.	<5.	13.	55.	0.22	<10.	<10.	183.	35.	542.
20	330493			14.	1220.	84.	<5.	2.	115.	0.19	<10.	<10.	53.	5.	56.
21	330494			16.	1090.	32.	<5.	2.	79.	0.14	<10.	<10.	45.	5.	44.
22	330495			13.	400.	56.	45.	6.	10.	0.09	<10.	<10.	84.	60.	28.
23	330496			25.	510.	26.	90.	3.	7.	0.09	<10.	<10.	60.	45.	26.
24	330497			33.	20.	64.	<5.	3.	12.	0.03	<10.	<10.	41.	80.	22.
25	330498			18.	50.	60.	<5.	2.	5.	0.03	<10.	<10.	38.	95.	19.
26	330499			9.	<10.	60.	<5.	2.	3.	0.01	<10.	<10.	23.	115.	27.
27	330500			17.	240.	8.	<5.	2.	17.	0.04	<10.	<10.	34.	65.	20.
28	330012	H		11.	1290.	44.	10.	10.	26.	0.09	<10.	<10.	97.	130.	91.
29	330013	H		12.	440.	16.	70.	6.	8.	0.04	<10.	<10.	32.	180.	59.
30	330014	H		9.	750.	70.	60.	5.	25.	<0.01	<10.	<10.	49.	145.	59.
31	330015	H		21.	340.	10.	5.	4.	21.	0.08	<10.	<10.	17.	305.	20.
32	330016	H		25.	900.	14.	30.	8.	36.	0.15	<10.	<10.	112.	155.	33.
33	330017	H		20.	910.	8.	35.	7.	52.	0.11	<10.	<10.	71.	110.	57.
34	330018	H		12.	1880.	4.	<5.	5.	81.	0.26	<10.	<10.	84.	40.	35.
35	330019	H		27.	1040.	12.	45.	7.	30.	0.10	<10.	<10.	86.	25.	22.
36	330020	H		38.	300.	14.	105.	2.	15.	0.06	20.	10.	17.	<5.	10.
37	330021	H		21.	1030.	14.	20.	8.	33.	0.12	20.	10.	82.	15.	42.
38	330022	H		16.	30.	10.	10.	4.	27.	0.07	50.	30.	36.	<5.	16.
39	330023	H		15.	1410.	26.	<5.	3.	44.	0.22	<10.	<10.	74.	<5.	87.
40	330024	H		8.	820.	6.	10.	5.	7.	0.04	<10.	<10.	51.	25.	8.
41	330025	H		17.	590.	<2.	10.	8.	16.	0.06	20.	10.	123.	<5.	25.
42	330026	H		12.	570.	18.	5.	8.	22.	0.11	20.	10.	93.	20.	25.
43	330027	H		13.	370.	6.	10.	4.	10.	0.08	20.	20.	52.	30.	23.
44	330028	H		19.	610.	<2.	35.	7.	12.	0.04	20.	10.	65.	5.	28.
45	330029	H		4.	880.	20.	10.	6.	33.	0.13	20.	10.	66.	10.	15.
46	330030	H		14.	560.	14.	85.	6.	28.	0.06	20.	10.	86.	<5.	17.
47	330031	H		12.	280.	8.	165.	4.	17.	0.02	20.	10.	43.	<5.	9.
48	330032	H		15.	300.	4.	5.	2.	31.	0.03	10.	<10.	34.	10.	11.
49	330033	H		13.	1930.	<2.	10.	11.	93.	0.19	<10.	<10.	127.	<5.	86.
50	330034	H		11.	1560.	<2.	5.	9.	98.	0.21	<10.	<10.	96.	<5.	77.

P	2	OF	6	minnova2	oz/T	oz/T	g/t	g/t	oz/T	oz/T	%	ppm	ppm	ppm	ppm	ppm	%
					Au	Ag	Au	Ag	Au	Ag	Al	Ag	As	Ba	Be	Bi	Ca
					1	2	3	4	5	6	7	8	9	10	11	12	13
51	330035	H			0.122	0.31	n/a	n/a	n/a	n/a	1.08	8.4	>9999.	30.	<0.5	222.	0.31
52	330036	H			0.016	0.06	n/a	n/a	n/a	n/a	1.71	1.8	900.	40.	<0.5	<2.	1.97
53	330037	H			0.012	0.01	n/a	n/a	n/a	n/a	2.07	0.8	295.	110.	<0.5	<2.	2.42
54	330038	H			0.256	0.04	n/a	n/a	n/a	n/a	0.24	2.4	160.	<10.	<0.5	<2.	4.09
55	330039	H			0.026	0.01	n/a	n/a	n/a	n/a	1.57	0.4	170.	20.	<0.5	<2.	3.96
56	330040	H			0.189	0.04	n/a	n/a	n/a	n/a	1.00	1.8	250.	<10.	<0.5	<2.	6.70
57	330041	H			0.626	0.25	n/a	n/a	n/a	n/a	1.34	9.0	85.	20.	<0.5	6.	2.73
58	330042	H			0.022	0.09	n/a	n/a	n/a	n/a	2.27	3.0	>9999.	160.	<0.5	6.	0.49
59	330043	H			0.328	0.09	n/a	n/a	n/a	n/a	1.93	2.8	>9999.	30.	<0.5	10.	1.75
60	330044	H			0.022	0.01	n/a	n/a	n/a	n/a	3.38	0.6	>9999.	100.	<0.5	10.	0.35
61	330060	H			0.571	0.20	n/a	n/a	n/a	n/a	<0.01	6.2	45.	<10.	<0.5	<2.	0.45
62	330061	H			0.140	0.06	n/a	n/a	n/a	n/a	0.56	2.0	60.	<10.	<0.5	4.	0.84
63	330062	H			0.277	0.07	n/a	n/a	n/a	n/a	1.48	3.2	5.	<10.	<0.5	8.	2.26
64	330063	H			n/a	n/a	2.65	2.5	n/a	n/a	0.54	4.0	5.	20.	<0.5	6.	0.06
65	330064	H			n/a	n/a	13.80	13.5	n/a	n/a	0.52	13.2	10.	10.	0.5	24.	0.14
66	330065	H			n/a	n/a	1.23	19.8	n/a	n/a	1.67	17.2	5.	30.	0.5	22.	4.87
67	330066	H			n/a	n/a	3.36	2.8	n/a	n/a	0.46	2.4	1315.	10.	1.0	<2.	0.14
68	330067	H			n/a	n/a	30.71	44.5	n/a	n/a	0.10	46.0	535.	<10.	0.5	60.	0.04
69	330068	H			n/a	n/a	0.69	0.8	n/a	n/a	2.47	1.2	25.	40.	<0.5	4.	2.01
70	330069	H			n/a	n/a	0.14	<0.5	n/a	n/a	2.32	0.2	20.	120.	<0.5	<2.	1.54
71	330070	H			n/a	n/a	3.09	8.3	n/a	n/a	1.52	8.0	>9999.	10.	1.5	16.	0.52
72	330071	H			n/a	n/a	0.93	1.3	n/a	n/a	2.07	1.4	>9999.	10.	1.0	6.	1.12
73	330072	H			n/a	n/a	1.17	11.3	n/a	n/a	1.93	11.0	>9999.	30.	1.5	2.	1.45
74	330073	H			n/a	n/a	5.15	28.3	n/a	n/a	0.94	28.4	6520.	40.	1.5	32.	0.12
75	330074	H			n/a	n/a	7.06	20.3	n/a	n/a	0.41	21.0	>9999.	30.	1.0	26.	0.04
76	330075	H			n/a	n/a	0.31	38.5	n/a	n/a	2.16	38.8	875.	110.	<0.5	<2.	0.85
77	330076	H			n/a	n/a	0.07	0.8	n/a	n/a	1.43	1.0	165.	50.	<0.5	<2.	1.34
78	330077	H			n/a	n/a	0.28	1.0	n/a	n/a	1.05	1.2	5225.	100.	<0.5	4.	0.14
79	330078	H			n/a	n/a	0.11	<0.5	n/a	n/a	2.55	0.2	90.	70.	<0.5	<2.	1.29
80	330113	H			n/a	n/a	0.99	306.0	n/a	n/a	1.06	>200.0	>9999.	10.	<0.5	64.	4.24
81	330114	H			n/a	n/a	0.55	95.0	n/a	n/a	0.86	87.6	5325.	<10.	<0.5	136.	0.42
82	330115	H			n/a	n/a	<0.07	1.5	n/a	n/a	1.53	2.4	160.	50.	<0.5	<2.	1.47
83	330116	H			n/a	n/a	<0.07	1.0	n/a	n/a	0.85	1.2	70.	<10.	<0.5	<2.	1.28
84	330127	H			n/a	n/a	n/a	0.033	0.07	1.71	2.4	>9999.	90.	<0.5	6.	0.15	
85	330128	H			n/a	n/a	n/a	0.238	0.09	0.77	2.2	>9999.	30.	<0.5	10.	0.30	
86	330129	H			n/a	n/a	n/a	0.004	0.01	0.97	0.6	2355.	30.	<0.5	<2.	1.02	
87	330130	H			n/a	n/a	n/a	0.024	0.01	1.43	0.2	>9999.	120.	<0.5	10.	0.22	
88	330131	H			n/a	n/a	n/a	0.006	0.01	1.47	0.8	460.	20.	<0.5	<2.	2.75	
89	330132	H			n/a	n/a	n/a	0.002	0.01	3.14	0.4	100.	60.	<0.5	6.	1.13	
90	330133	H			n/a	n/a	n/a	0.002	0.01	2.30	0.4	70.	120.	<0.5	6.	1.63	
91	330142	H			n/a	n/a	n/a	0.034	0.07	0.33	1.6	<5.	<10.	<0.5	10.	0.61	
92	330143	H			n/a	n/a	n/a	<0.002	0.25	0.94	7.8	<5.	30.	<0.5	28.	1.85	
93	330144	H			<0.002	0.02	n/a	n/a	n/a	2.32	0.4	35.	200.	<0.5	<2.	1.96	
94	330145	H			<0.002	0.06	n/a	n/a	n/a	n/a	4.49	1.0	535.	260.	<0.5	6.	2.71
95	330146	H			0.002	0.99	n/a	n/a	n/a	n/a	1.34	34.2	500.	120.	<0.5	8.	6.86
96	330150	H			n/a	n/a	n/a	n/a	<0.002	0.03	2.53	<0.2	10.	140.	<0.5	<2.	3.69

P	4	OF	6	minnova2	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
					Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	No	Na	
					14-----	15-----	16-----	17-----	18-----	19-----	20-----	21-----	22-----	23-----	24-----	25-----	26-----	
51	330035	H	<0.5	34.	31.	1128.	>15.00	<10.	<1.	0.34	<10.	0.44	103.	2.	0.05			
52	330036	H	<0.5	17.	27.	1327.	>15.00	20.	<1.	0.30	10.	0.48	814.	2.	0.09			
53	330037	H	<0.5	9.	35.	350.	12.94	20.	<1.	0.70	10.	0.64	944.	1.	0.09			
54	330038	H	<0.5	105.	36.	530.	>15.00	20.	<1.	0.04	<10.	0.07	724.	<1.	0.03			
55	330039	H	<0.5	7.	23.	345.	14.42	20.	<1.	0.31	<10.	0.55	945.	<1.	0.11			
56	330040	H	<0.5	<1.	27.	436.	>15.00	20.	<1.	0.05	<10.	0.11	1190.	<1.	0.03			
57	330041	H	1.0	14.	28.	5729.	>15.00	20.	<1.	0.12	10.	0.40	933.	1.	0.05			
58	330042	H	<0.5	40.	31.	436.	8.57	10.	<1.	1.34	10.	1.47	451.	<1.	0.05			
59	330043	H	<0.5	114.	28.	185.	9.92	10.	<1.	0.17	10.	0.36	463.	4.	0.20			
60	330044	H	<0.5	105.	14.	148.	9.72	10.	<1.	1.25	<10.	1.48	392.	1.	0.02			
61	330060	H	1.0	204.	21.	4508.	>15.00	10.	<1.	0.01	<10.	0.06	261.	1.	0.01			
62	330061	H	0.5	149.	25.	2966.	>15.00	20.	<1.	0.02	10.	0.13	232.	3.	0.01			
63	330062	H	0.5	19.	25.	1892.	5.56	30.	<1.	0.01	40.	0.14	341.	40.	0.01			
64	330063	H	<0.5	3.	26.	68.	2.19	<10.	<1.	0.21	<10.	0.25	234.	2.	0.01			
65	330064	H	<0.5	35.	55.	699.	9.61	<10.	<1.	0.15	<10.	0.35	337.	3.	0.01			
66	330065	H	>99.9	16.	48.	520.	6.75	<10.	<1.	0.32	<10.	1.20	3309.	<1.	0.02			
67	330066	H	5.5	8.	47.	74.	>15.00	<10.	<1.	0.05	10.	0.33	1304.	2.	0.01			
68	330067	H	1.5	3.	37.	381.	10.94	<10.	<1.	0.05	<10.	0.08	385.	3.	0.01			
69	330068	H	<0.5	3.	35.	107.	3.01	<10.	1.	0.43	10.	0.38	266.	147.	0.25			
70	330069	H	<0.5	19.	59.	111.	4.14	<10.	<1.	1.14	20.	1.63	487.	5.	0.16			
71	330070	H	5.5	84.	38.	1284.	14.68	<10.	<1.	0.19	20.	0.32	317.	2.	0.08			
72	330071	H	5.0	50.	30.	559.	8.25	<10.	<1.	0.34	20.	0.24	166.	4.	0.13			
73	330072	H	>99.9	34.	61.	330.	13.42	<10.	2.	0.59	20.	1.35	1154.	9.	0.02			
74	330073	H	>99.9	<1.	53.	270.	>15.00	<10.	2.	0.54	10.	0.30	264.	3.	0.01			
75	330074	H	>99.9	111.	47.	293.	>15.00	<10.	<1.	0.18	10.	0.08	93.	2.	0.01			
76	330075	H	>99.9	22.	32.	30.	6.15	<10.	<1.	1.14	10.	1.28	504.	1.	0.04			
77	330076	H	2.5	4.	35.	78.	5.86	<10.	<1.	0.45	10.	0.78	509.	10.	0.04			
78	330077	H	0.5	2.	23.	165.	3.25	<10.	<1.	0.71	<10.	0.13	56.	9.	0.03			
79	330078	H	0.5	8.	38.	31.	5.18	<10.	3.	0.56	10.	1.68	970.	<1.	0.07			
80	330113	H	>99.9	31.	50.	866.	13.04	<10.	3.	0.30	<10.	0.53	979.	<1.	0.01			
81	330114	H	>99.9	15.	40.	1710.	>15.00	<10.	<1.	0.13	20.	0.12	547.	<1.	0.01			
82	330115	H	18.0	21.	50.	133.	4.41	<10.	<1.	0.65	10.	1.09	383.	<1.	0.17			
83	330116	H	9.0	24.	30.	205.	4.28	<10.	<1.	0.07	<10.	0.45	181.	<1.	0.13			
84	330127	H	<0.5	71.	61.	414.	13.73	<10.	<1.	0.85	<10.	0.92	336.	4.	0.01			
85	330128	H	2.5	35.	71.	273.	>15.00	<10.	<1.	0.25	<10.	0.26	148.	4.	0.01			
86	330129	H	<0.5	16.	50.	171.	3.93	10.	<1.	0.20	10.	0.39	236.	2.	0.09			
87	330130	H	<0.5	10.	53.	36.	5.78	10.	<1.	0.68	<10.	0.73	266.	3.	0.04			
88	330131	H	1.0	14.	50.	153.	4.34	20.	<1.	0.16	10.	0.46	883.	5.	0.02			
89	330132	H	<0.5	25.	98.	180.	6.75	20.	<1.	0.16	10.	3.27	859.	2.	0.05			
90	330133	H	<0.5	24.	55.	141.	4.18	20.	<1.	0.56	10.	1.32	531.	2.	0.19			
91	330142	H	1.5	131.	26.	1337.	>15.00	10.	<1.	0.01	10.	0.12	529.	<1.	<0.01			
92	330143	H	18.5	16.	37.	250.	2.14	10.	<1.	0.02	30.	0.24	967.	<1.	0.01			
93	330144	H	<0.5	21.	37.	172.	5.66	<10.	1.	0.76	10.	1.19	432.	9.	0.28			
94	330145	H	2.5	22.	27.	116.	9.80	<10.	1.	0.82	10.	2.59	1041.	<1.	0.41			
95	330146	H	>99.9	16.	21.	57.	6.51	<10.	2.	0.48	<10.	0.18	6138.	5.	0.08			
96	330150	H	<0.5	24.	52.	94.	5.31	<10.	1.	0.39	<10.	1.48	624.	1.	0.20			

P	6 OF	6	minnova2	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
				27	28	29	30	31	32	33	34	35	36	37	38	
51	330035	H		2.	620.	<2.	130.	5.	29.	0.06	<10.	<10.	36.	<5.	27.	
52	330036	H		17.	360.	<2.	10.	5.	84.	0.12	10.	<10.	74.	<5.	43.	
53	330037	H		1.	970.	<2.	5.	7.	75.	0.20	<10.	<10.	89.	<5.	40.	
54	330038	H		10.	<10.	<2.	15.	3.	4.	0.02	30.	<10.	28.	<5.	32.	
55	330039	H		7.	930.	<2.	5.	5.	45.	0.16	<10.	<10.	49.	<5.	43.	
56	330040	H		1.	290.	<2.	10.	4.	7.	0.04	20.	<10.	27.	<5.	35.	
57	330041	H		10.	790.	<2.	5.	5.	29.	0.16	<10.	<10.	55.	<5.	116.	
58	330042	H		11.	1250.	<2.	15.	10.	37.	0.11	<10.	<10.	130.	<5.	44.	
59	330043	H		18.	970.	<2.	35.	3.	168.	0.07	<10.	<10.	39.	<5.	104.	
60	330044	H		2.	1850.	<2.	20.	6.	20.	0.08	<10.	<10.	78.	<5.	42.	
61	330060	H		45.	<10.	<2.	10.	1.	2.	<0.01	20.	<10.	<1.	<5.	70.	
62	330061	H		19.	480.	<2.	5.	3.	27.	0.09	10.	<10.	14.	<5.	46.	
63	330062	H		11.	780.	<2.	<5.	3.	181.	0.21	<10.	<10.	37.	<5.	38.	
64	330063	H		15.	90.	246.	<5.	1.	3.	<0.01	<10.	<10.	9.	<5.	14.	
65	330064	H		67.	70.	1210.	<5.	1.	9.	0.03	<10.	<10.	18.	<5.	65.	
66	330065	H		25.	910.	>9999.	<5.	5.	62.	0.10	<10.	<10.	27.	735.	>9999.	
67	330066	H		26.	<10.	280.	<5.	2.	6.	<0.01	<10.	<10.	18.	10.	395.	
68	330067	H		18.	<10.	1842.	<5.	1.	2.	<0.01	<10.	<10.	11.	10.	144.	
69	330068	H		17.	1210.	60.	<5.	7.	123.	0.22	<10.	<10.	76.	5.	69.	
70	330069	H		27.	1530.	14.	<5.	5.	99.	0.51	<10.	<10.	158.	10.	84.	
71	330070	H		15.	590.	48.	15.	4.	35.	0.03	<10.	<10.	38.	5.	344.	
72	330071	H		20.	1520.	34.	5.	4.	51.	0.03	<10.	<10.	43.	25.	288.	
73	330072	H		18.	1080.	1480.	65.	13.	73.	0.13	<10.	<10.	155.	50.	>9999.	
74	330073	H		15.	510.	620.	<5.	4.	12.	0.04	<10.	<10.	49.	60.	>9999.	
75	330074	H		23.	270.	400.	170.	2.	6.	<0.01	<10.	<10.	27.	40.	>9999.	
76	330075	H		12.	870.	6500.	15.	5.	26.	0.13	<10.	<10.	72.	30.	6026.	
77	330076	H		11.	790.	98.	<5.	3.	35.	0.10	<10.	<10.	63.	5.	204.	
78	330077	H		16.	620.	26.	5.	2.	43.	0.01	<10.	<10.	31.	5.	56.	
79	330078	H		12.	770.	2.	<5.	3.	34.	0.19	<10.	<10.	115.	5.	105.	
80	330113	H		21.	1060.	>9999.	185.	3.	56.	0.03	<10.	<10.	63.	n/a	>9999.	
81	330114	H		18.	840.	6630.	<5.	3.	43.	0.02	<10.	<10.	51.	125.	>9999.	
82	330115	H		13.	1720.	292.	<5.	5.	104.	0.39	<10.	<10.	86.	10.	1878.	
83	330116	H		15.	1950.	144.	<5.	5.	78.	0.23	<10.	<10.	64.	5.	978.	
84	330127	H		6.	790.	8.	50.	8.	38.	0.09	10.	10.	106.	<5.	124.	
85	330128	H		1.	130.	4.	80.	2.	19.	0.04	10.	30.	32.	<5.	205.	
86	330129	H		19.	1450.	48.	5.	2.	65.	0.25	<10.	<10.	63.	<5.	34.	
87	330130	H		9.	740.	8.	20.	3.	21.	0.07	<10.	<10.	61.	<5.	42.	
88	330131	H		14.	1230.	6.	<5.	3.	72.	0.21	10.	<10.	71.	<5.	89.	
89	330132	H		23.	830.	12.	5.	20.	42.	0.20	<10.	<10.	210.	<5.	70.	
90	330133	H		21.	1110.	10.	5.	5.	103.	0.20	<10.	<10.	96.	5.	37.	
91	330142	H		28.	130.	44.	<5.	2.	23.	0.02	10.	10.	16.	65.	92.	
92	330143	H		5.	760.	1358.	<5.	2.	92.	0.12	<10.	10.	23.	15.	1890.	
93	330144	H		41.	1710.	20.	5.	5.	128.	0.15	<10.	<10.	110.	<5.	86.	
94	330145	H		17.	1110.	106.	10.	19.	157.	0.40	10.	<10.	247.	<5.	418.	
95	330146	H		34.	1050.	1614.	360.	3.	128.	0.08	20.	<10.	36.	25.	>9999.	
96	330150	H		35.	1230.	24.	<5.	6.	82.	0.32	10.	<10.	121.	<5.	72.	

APPENDIX IV

GEOCHEMICAL ANALYSES OF SOIL SAMPLES  
TAKEN ON TIGRE CLAIM

(Please refer to Geochemical Soil Survey  
Plans (Figs. 7, 8, 9)



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

112 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1  
PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
'ATTN: RAY DUJARDIN)  
13 - 1112 W. PENDER ST.  
Vancouver, B.C.  
V6E 2S1  
Project : B08(C) A-07  
Comments: SC: G. THOMPSON

Page No. : 1-A  
Tot. Pages: 6  
Date : 2-AUG-88  
Invoice #: I-8819546  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8819546

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
O+00E O+10N	201 238	175	3.04	0.4	1485	400	0.5	< 2	0.55	1.5	17	16	96	3.54	10	2	0.13	10	0.60	1890
O+00E O+20N	201 238	30	4.55	0.6	275	230	1.0	< 2	0.29	1.5	12	15	40	2.88	10	< 1	0.10	10	0.37	1125
O+00E O+30N	201 238	10	2.54	0.6	45	390	0.5	< 2	0.32	0.5	16	19	53	3.10	10	1	0.11	10	0.37	954
O+00E O+40N	201 238	255	2.33	0.2	85	450	0.5	< 2	0.41	3.0	22	20	67	3.49	10	< 1	0.11	10	0.39	2110
O+00E O+50N	201 238	65	3.23	0.4	1365	320	0.5	< 2	0.31	< 0.5	30	27	246	5.15	10	< 1	0.15	10	1.10	1090
O+00E O+60N	201 238	15	3.58	0.6	230	220	0.5	< 2	0.26	0.5	15	20	76	3.11	10	< 1	0.11	10	0.50	738
O+00E O+70N	201 238	30	3.38	0.4	90	250	0.5	< 2	0.25	2.0	13	11	36	2.54	10	< 1	0.08	10	0.29	889
O+00E O+80N	201 238	< 5	3.45	0.4	75	230	0.5	< 2	0.36	3.0	11	21	34	2.90	10	1	0.11	10	0.41	761
O+00E O+90N	201 238	5	3.70	0.4	165	230	0.5	< 2	0.25	1.5	9	25	24	2.59	10	< 1	0.12	10	0.50	490
O+00E I+00N	201 238	10	3.18	0.2	115	140	0.5	< 2	0.18	0.5	10	22	20	2.49	10	< 1	0.10	10	0.40	1275
O+00E O+10S	201 238	70	2.63	0.4	75	300	0.5	< 2	0.26	1.0	10	22	40	2.67	10	< 1	0.11	10	0.42	668
O+00E O+20S	201 238	20	2.23	0.6	10	200	0.5	< 2	0.24	1.0	8	21	26	2.38	10	< 1	0.11	10	0.45	531
O+00E O+30S	201 238	5	2.88	0.6	5	170	0.5	< 2	0.22	2.5	8	21	22	2.25	10	< 1	0.14	10	0.43	459
O+00E O+40S	201 238	< 5	1.78	0.4	10	290	0.5	< 2	0.23	1.5	8	15	14	1.80	< 10	< 1	0.08	10	0.22	1025
O+00E O+50S	217 238	375	1.44	< 0.2	15	160	0.5	< 2	2.98	2.5	20	22	155	3.26	< 10	< 1	0.07	< 10	0.21	2210
O+00E O+60S	201 238	25	2.39	0.4	25	300	0.5	< 2	0.26	3.5	12	17	20	2.36	10	< 1	0.08	10	0.32	1455
O+00E O+70S	217 238	5	1.63	0.4	25	270	0.5	< 2	0.65	6.0	14	36	42	3.51	10	< 1	0.16	10	0.46	1790
O+00E O+80S	201 238	5	3.07	0.2	20	220	0.5	< 2	0.29	3.5	18	22	58	3.36	10	< 1	0.12	10	0.64	1245
O+00E O+90S	201 238	10	3.06	0.6	10	240	0.5	< 2	0.32	2.0	19	26	55	3.49	10	< 1	0.10	10	0.75	1245
O+00E I+00S	201 238	5	2.19	0.6	20	360	0.5	< 2	0.49	4.0	46	22	94	5.89	10	< 1	0.12	10	0.52	2710
O+00W BL	201 238	40	1.70	0.2	35	170	< 0.5	< 2	0.34	0.5	9	27	20	2.20	< 10	< 1	0.11	20	0.58	693
O+00W O+20N	201 238	2550	2.96	1.2	660	180	0.5	< 2	0.58	< 0.5	22	27	715	5.23	< 10	< 1	0.34	20	1.01	801
O+00W O+30N	201 238	380	2.77	< 0.2	90	390	0.5	< 2	0.20	2.0	15	16	60	2.68	< 10	< 1	0.09	10	0.33	1195
O+00W O+40N	201 238	85	3.48	< 0.2	75	230	0.5	< 2	0.17	0.5	15	15	86	2.64	< 10	< 1	0.07	10	0.31	772
O+00W O+50N	201 238	60	3.31	0.2	90	270	0.5	< 2	0.17	0.5	11	16	38	2.41	< 10	< 1	0.09	10	0.32	747
O+00W O+60N	201 238	25	2.51	< 0.2	125	230	0.5	< 2	0.30	0.5	10	32	38	2.65	< 10	< 1	0.17	20	0.72	353
O+00W O+70N	201 238	10	2.46	< 0.2	65	260	0.5	< 2	0.22	0.5	8	20	19	2.13	< 10	< 1	0.10	10	0.39	549
O+00W O+80N	201 238	< 5	3.27	< 0.2	90	270	0.5	< 2	0.23	< 0.5	7	16	17	2.17	< 10	< 1	0.11	10	0.34	336
O+00W O+90N	201 238	< 5	3.50	0.4	50	260	0.5	< 2	0.28	< 0.5	8	21	21	2.39	< 10	< 1	0.11	10	0.43	340
O+00W I+00N	201 238	< 5	3.13	0.2	40	210	0.5	< 2	0.24	1.5	10	27	22	2.53	< 10	< 1	0.11	10	0.50	374
O+00W O+10S	201 238	10	3.34	0.4	25	220	1.0	< 2	0.23	0.5	11	15	16	2.18	< 10	< 1	0.09	10	0.30	375
O+00W O+20S	201 238	< 5	2.97	0.2	50	310	0.5	2	0.21	4.0	16	20	21	2.79	< 10	< 1	0.12	10	0.42	858
O+00W O+30S	201 238	5	2.77	0.2	35	230	1.0	2	0.23	1.5	23	23	37	3.95	< 10	< 1	0.10	10	0.52	638
O+00W O+40S	201 238	35	2.79	0.4	50	380	1.0	< 2	0.36	5.0	21	13	23	3.08	< 10	< 1	0.10	10	0.27	1495
O+00W O+50S	201 238	5	2.50	0.2	15	410	0.5	< 2	0.20	4.0	24	19	34	2.95	< 10	< 1	0.11	10	0.32	1850
O+00W O+60S	201 238	< 5	2.45	0.2	30	260	0.5	2	0.23	1.5	13	23	15	2.50	< 10	< 1	0.10	10	0.49	637
O+00W O+70S	201 238	< 5	1.73	0.4	10	230	0.5	< 2	0.16	1.5	11	16	11	1.98	< 10	< 1	0.13	10	0.32	705
O+00W O+80S	201 238	10	2.77	0.2	25	430	0.5	< 2	0.18	2.0	14	16	16	2.36	< 10	< 1	0.11	10	0.30	1275
O+00W O+90S	201 238	< 5	1.87	0.2	35	300	0.5	< 2	0.24	4.5	16	17	20	2.65	< 10	< 1	0.10	10	0.32	987
O+00W I+00S	201 238	5	3.51	0.2	55	290	1.0	2	0.26	7.0	23	18	44	3.38	< 10	< 1	0.10	10	0.41	1500

CERTIFICATION :

JK 6



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE . NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7S-2C1  
 PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
 'ATTN: RAY DUJARDIN'  
 33 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1

Project : B08(C) A-07  
 Comments: CC: G. THOMPSON

Page No. : 1-B  
 Tot. P. : 36  
 Date : 2-AUG-88  
 Invoice : I-8819546  
 P.O. # : NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Mb	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
O100E O+10N	201 238	1	0.02	22	3150	104	5	4	51	0.17	< 10	< 10	50	< 5	289
O100E O+20N	201 238	1	0.03	23	2130	40	< 5	3	28	0.24	< 10	< 10	50	< 5	225
O100E O+30N	201 238	1	0.02	21	1040	30	< 5	3	29	0.20	< 10	< 10	50	< 5	126
O100E O+40N	201 238	1	0.02	37	810	142	< 5	3	32	0.19	< 10	< 10	49	< 5	336
O100E O+50N	201 238	< 1	0.02	45	810	76	< 5	6	31	0.20	< 10	< 10	77	< 5	226
O100E O+60N	201 238	1	0.02	25	900	12	< 5	4	24	0.22	< 10	< 10	51	< 5	149
O100E O+70N	201 238	1	0.03	58	1860	74	< 5	3	19	0.19	< 10	< 10	36	< 5	274
O100E O+80N	201 238	2	0.03	45	1560	88	< 5	3	21	0.21	< 10	< 10	46	< 5	278
O100E O+90N	201 238	< 1	0.03	30	2470	18	< 5	3	29	0.19	< 10	< 10	44	< 5	214
O100E I+00N	201 238	1	0.03	22	1820	10	< 5	3	20	0.18	< 10	< 10	42	< 5	184
O100E O+10S	201 238	< 1	0.03	26	1580	44	< 5	3	23	0.18	< 10	< 10	39	< 5	181
O100E O+20S	201 238	1	0.02	18	1560	54	< 5	3	20	0.17	< 10	< 10	43	< 5	153
O100E O+30S	201 238	1	0.03	21	1900	80	< 5	3	21	0.17	< 10	< 10	40	< 5	191
O100E O+40S	201 238	1	0.03	16	1440	70	< 5	2	26	0.14	< 10	< 10	29	< 5	269
O100E O+50S	217 238	1	0.02	14	1330	90	< 5	4	38	0.12	< 10	< 10	58	10	159
O100E O+60S	201 238	1	0.02	19	2690	154	< 5	2	23	0.15	< 10	< 10	35	< 5	332
O100E O+70S	217 238	1	0.02	18	1280	162	< 5	2	75	0.18	< 10	< 10	53	< 5	355
O100E O+80S	201 238	1	0.02	35	1640	28	< 5	3	29	0.20	< 10	< 10	61	< 5	351
O100E O+90S	201 238	1	0.02	32	1230	54	< 5	4	29	0.22	< 10	< 10	69	< 5	219
O100E I+00S	201 238	< 1	0.02	29	2590	112	< 5	3	62	0.16	< 10	< 10	62	15	392
O100W BL	201 238	1	0.02	18	550	44	< 5	3	26	0.20	< 10	< 10	47	10	134
O100W O+20N	201 238	< 1	0.02	28	1300	46	< 5	5	35	0.20	< 10	< 10	70	15	154
O100W O+30N	201 238	< 1	0.02	24	2110	78	< 5	2	23	0.18	< 10	< 10	38	20	230
O100W O+40N	201 238	1	0.03	26	2210	56	< 5	3	19	0.18	< 10	< 10	37	10	202
O100W O+50N	201 238	2	0.03	24	1750	14	< 5	3	18	0.19	< 10	< 10	35	10	218
O100W O+60N	201 238	< 1	0.02	23	520	14	< 5	4	29	0.22	< 10	< 10	58	5	138
O100W O+70N	201 238	< 1	0.03	20	2260	32	< 5	3	24	0.15	< 10	< 10	36	15	152
O100W O+80N	201 238	< 1	0.04	19	3570	10	< 5	3	26	0.16	< 10	< 10	35	5	149
O100W O+90N	201 238	< 1	0.04	24	2390	2	< 5	4	30	0.19	< 10	< 10	40	5	110
O100W I+00N	201 238	< 1	0.03	23	1800	46	< 5	3	25	0.20	< 10	< 10	47	5	186
O100W O+10S	201 238	< 1	0.03	23	2030	28	< 5	3	26	0.17	< 10	< 10	35	5	184
O100W O+20S	201 238	1	0.02	32	1640	68	< 5	3	24	0.19	< 10	< 10	44	5	424
O100W O+30S	201 238	< 1	0.01	44	1240	44	< 5	3	23	0.20	< 10	< 10	61	< 5	381
O100W O+40S	201 238	< 1	0.02	30	2710	154	< 5	2	35	0.18	< 10	< 10	39	5	468
O100W O+50S	201 238	< 1	0.01	27	2710	72	< 5	3	24	0.17	< 10	< 10	41	5	450
O100W O+60S	201 238	< 1	0.01	20	2130	52	< 5	3	25	0.16	< 10	< 10	45	5	275
O100W O+70S	201 238	< 1	0.01	14	1870	56	< 5	2	18	0.13	< 10	< 10	35	< 5	220
O100W O+80S	201 238	< 1	0.02	19	3480	56	< 5	2	27	0.17	< 10	< 10	35	< 5	356
O100W O+90S	201 238	< 1	0.01	18	850	198	< 5	2	25	0.18	< 10	< 10	44	< 5	429
O100W I+00S	201 238	1	0.01	33	1560	146	< 5	3	31	0.20	< 10	< 10	48	< 5	423

CERTIFICATION : *[Signature]*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
13 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

Project : B08(C) A-07  
Comments: CC: G. THOMPSON

Page No.: 2-A  
Tot. Pages: 6  
Date : 2-AUG-88  
Invoice : I-8819546  
P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8819546

SAMPLE DESCRIPTION	PREP CODE	Au ppb F+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
O+50E BL	201 238	30	2.98	0.4	145	320	0.5	2	0.24	5.5	35	23	101	3.72	< 10	< 1	0.12	10	0.78	1545
O+50E O+10N	201 238	55	3.60	0.6	320	230	0.5	2	0.34	1.0	16	27	48	3.13	< 10	< 1	0.14	20	0.65	613
O+50E O+20N	201 238	25	1.91	0.2	170	340	< 0.5	2	0.18	2.0	12	22	17	2.27	< 10	< 1	0.12	10	0.36	1025
O+50E O+30N	201 238	5	3.10	0.4	155	240	0.5	< 2	0.31	1.0	13	23	25	2.64	< 10	< 1	0.15	10	0.54	838
O+50E O+40N	201 238	25	3.43	0.6	295	250	0.5	< 2	0.25	0.5	15	17	42	2.73	< 10	< 1	0.13	10	0.46	1410
O+50E O+50N	201 238	195	3.60	0.2	830	210	0.5	2	0.23	1.0	23	17	183	3.39	< 10	< 1	0.12	10	0.60	601
O+50E O+60N	201 238	235	3.76	0.6	115	220	1.0	< 2	0.26	0.5	22	27	89	3.08	< 10	< 1	0.12	20	0.62	455
O+50E O+70N	201 238	25	5.12	0.6	140	170	1.0	< 2	0.27	< 0.5	21	19	91	3.98	< 10	< 1	0.09	10	0.50	376
O+50E O+80N	201 238	50	4.24	0.4	30	200	0.5	2	0.29	0.5	17	18	53	2.97	< 10	< 1	0.09	10	0.50	413
O+50E O+90N	201 238	< 5	2.48	0.2	45	190	< 0.5	< 2	0.17	1.0	12	12	17	1.98	< 10	< 1	0.08	< 10	0.20	426
O+50E I+00N	201 238	< 5	3.19	0.4	50	200	0.5	< 2	0.19	< 0.5	11	19	13	2.27	< 10	3	0.10	10	0.36	196
O+50E O+10S	201 238	< 5	2.56	0.2	110	340	0.5	2	0.19	4.5	14	14	23	2.40	< 10	< 1	0.12	< 10	0.30	1695
O+50E O+20S	201 238	670	3.39	0.4	220	190	0.5	< 2	0.37	0.5	28	23	372	3.98	< 10	< 1	0.18	10	0.67	605
O+50E O+30S	201 238	< 5	3.04	0.2	140	250	0.5	< 2	0.20	1.5	9	17	29	2.05	< 10	5	0.09	< 10	0.32	936
O+50E O+40S	201 238	< 5	2.54	0.4	70	260	0.5	< 2	0.23	3.0	12	13	19	2.51	< 10	4	0.11	< 10	0.30	833
O+50E O+50S	201 238	< 5	3.57	0.4	40	210	0.5	2	0.31	1.5	18	20	45	3.32	< 10	3	0.12	10	0.54	526
O+50E O+60S	201 238	< 5	3.25	0.6	35	300	1.0	< 2	0.36	1.5	18	19	31	3.08	< 10	< 1	0.12	10	0.38	1060
O+50E O+70S	203 238	15	3.61	0.6	50	260	1.0	2	0.30	2.0	37	22	71	4.11	< 10	< 1	0.11	10	0.49	1225
O+50E O+80S	201 238	< 5	2.16	0.4	25	330	0.5	2	0.51	5.0	19	17	24	2.58	< 10	< 1	0.12	10	0.45	1565
O+50E O+90S	201 238	< 5	3.42	0.4	85	160	< 0.5	< 2	0.40	2.5	23	26	88	3.70	< 10	< 1	0.14	20	0.74	636
O+50W I+00S	201 238	35	3.30	0.4	150	160	< 0.5	2	0.38	1.5	35	24	145	4.80	< 10	< 1	0.44	20	1.30	660
O+50W BL	201 238	80	1.81	0.2	40	310	< 0.5	2	0.34	3.0	24	16	50	3.85	< 10	< 1	0.09	10	0.34	2490
O+50W O+10N	201 238	40	3.84	0.4	115	240	< 0.5	< 2	0.28	0.5	21	22	49	3.14	< 10	< 1	0.10	10	0.47	583
O+50W O+20N	201 238	125	3.74	0.4	1695	270	< 0.5	< 2	0.45	0.5	23	21	107	4.31	< 10	4	0.14	20	0.63	1545
O+50W O+30N	201 238	5	2.41	0.2	200	330	0.5	2	0.25	1.0	24	20	33	3.31	< 10	1	0.12	10	0.60	1785
O+50W O+40N	201 238	30	3.03	0.2	225	320	0.5	< 2	0.33	1.0	23	27	40	3.76	< 10	< 1	0.15	10	0.86	1435
O+50W O+50N	201 238	35	5.12	0.4	80	170	0.5	< 2	0.23	1.0	23	22	100	4.86	< 10	< 1	0.09	10	0.64	351
O+50W O+60N	201 238	100	3.97	0.2	185	240	0.5	< 2	0.27	0.5	21	24	51	3.39	< 10	< 1	0.11	10	0.69	781
O+50W O+70N	201 238	100	4.14	0.4	290	270	< 0.5	6	0.30	1.0	35	26	125	5.02	< 10	< 1	0.16	10	1.25	1055
O+50W O+80N	201 238	15	3.69	0.2	260	270	< 0.5	< 2	0.18	4.5	24	18	57	3.86	< 10	< 1	0.09	< 10	0.51	1150
O+50W O+90N	201 238	75	3.41	0.4	415	180	< 0.5	< 2	0.18	< 0.5	23	23	72	3.66	< 10	< 1	0.09	10	0.70	791
O+50W I+00N	201 238	15	3.75	0.2	270	230	0.5	< 2	0.34	0.5	23	28	57	3.69	< 10	< 1	0.13	10	0.88	757
O+50W O+10S	201 238	100	4.21	0.4	35	150	0.5	< 2	0.29	2.5	35	26	133	4.63	< 10	< 1	0.13	10	0.73	612
O+50W O+20S	203 238	20	2.56	0.4	85	270	< 0.5	4	0.27	11.0	35	18	121	7.65	< 10	< 1	0.08	10	0.24	1900
O+50W O+30S	217 238	10	1.00	< 0.2	25	320	< 0.5	2	0.45	6.0	13	17	33	2.95	< 10	< 1	0.06	10	0.28	1695
O+50W O+40S	201 238	5	1.87	< 0.2	35	320	< 0.5	< 2	0.25	3.0	21	17	29	3.45	< 10	< 1	0.08	10	0.43	1675
O+50W O+50S	201 238	15	2.97	0.2	30	220	< 0.5	< 2	0.20	1.5	12	17	16	2.34	< 10	3	0.10	10	0.37	631
O+50W O+60S	201 238	< 5	2.93	0.2	5	260	0.5	< 2	0.15	1.5	11	15	13	2.14	< 10	< 1	0.09	10	0.29	620
O+50W O+70S	201 238	< 5	2.89	< 0.2	25	400	< 0.5	< 2	0.17	1.5	18	36	25	2.96	< 10	< 1	0.15	10	0.85	719
O+50W O+80S	201 238	< 5	3.34	0.4	10	320	0.5	< 2	0.26	1.0	15	24	22	2.53	< 10	< 1	0.13	10	0.53	557

CERTIFICATION : *[Signature]*



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-7C1  
 PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
 ATTN: RAY DUJARDIN  
 103 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1  
 Project : B08(C) A-07  
 Comments: CC: G. THOMPSON

Page No. : 2-B  
 Tot. Pcs : 6  
 Date : 2-AUG-88  
 Invoice # : I-8819546  
 P.O. # : NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
O+50E BL	201 238	< 1	0.01	30	3640	132	< 5	5	32	0.17	< 10	< 10	66	< 5	394
O+50E O+10N	201 238	< 1	0.02	25	1180	16	< 5	5	41	0.21	< 10	< 10	57	< 5	143
O+50E O+20N	201 238	< 1	0.02	18	2940	84	< 5	2	24	0.13	< 10	< 10	39	< 5	169
O+50E O+30N	201 238	< 1	0.02	32	1230	24	< 5	4	36	0.19	< 10	< 10	51	< 5	115
O+50E O+40N	201 238	< 1	0.03	23	1120	26	< 5	4	32	0.20	< 10	< 10	46	< 5	130
O+50E O+50N	201 238	< 1	0.03	31	1340	34	< 5	6	27	0.19	< 10	< 10	55	< 5	157
O+50E O+60N	201 238	< 1	0.02	33	920	14	< 5	5	29	0.24	< 10	< 10	58	< 5	125
O+50E O+70N	201 238	< 1	0.03	42	1320	28	< 5	5	33	0.28	< 10	< 10	60	< 5	152
O+50E O+80N	201 238	< 1	0.03	29	1360	28	< 5	4	33	0.23	< 10	< 10	54	< 5	122
O+50E O+90N	201 238	< 1	0.02	22	2610	32	< 5	2	19	0.15	< 10	< 10	29	< 5	207
O+50E I+00N	201 238	< 1	0.02	26	880	16	5	3	19	0.18	< 10	< 10	37	< 5	82
O+50E O+10S	201 238	< 1	0.02	18	3030	138	< 5	2	23	0.14	< 10	< 10	32	< 5	401
O+50E O+20S	201 238	< 1	0.02	30	1320	42	< 5	5	32	0.20	< 10	< 10	59	< 5	225
O+50E O+30S	201 238	< 1	0.02	20	2900	48	< 5	2	27	0.15	< 10	< 10	32	< 5	234
O+50E O+40S	201 238	1	0.02	15	1820	100	< 5	2	30	0.19	< 10	< 10	40	< 5	306
O+50E O+50S	201 238	< 1	0.02	23	1300	64	< 5	3	36	0.22	< 10	< 10	55	< 5	169
O+50E O+60S	201 238	< 1	0.02	25	2450	62	< 5	3	43	0.18	< 10	< 10	46	< 5	174
O+50E O+70S	203 238	< 1	0.02	29	3600	60	< 5	3	33	0.20	< 10	< 10	57	< 5	242
O+50E O+80S	201 238	< 1	0.01	19	2440	236	< 5	2	51	0.15	< 10	< 10	42	< 5	373
O+50E O+90S	201 238	< 1	0.01	37	1700	112	< 5	3	42	0.20	< 10	< 10	66	< 5	192
O+50W I+00S	201 238	< 1	0.02	25	1220	46	< 5	5	54	0.26	< 10	< 10	98	< 5	145
O+50W BL	201 238	3	0.02	18	1300	124	< 5	2	36	0.15	< 10	< 10	53	< 5	350
O+50W O+10N	201 238	< 1	0.02	31	940	14	< 5	4	29	0.22	< 10	< 10	48	< 5	163
O+50W O+20N	201 238	< 1	0.02	34	1780	30	< 5	4	43	0.19	< 10	< 10	56	< 5	198
O+50W O+30N	201 238	< 1	0.01	29	1470	40	< 5	4	31	0.17	< 10	< 10	50	< 5	246
O+50W O+40N	201 238	< 1	0.01	41	1540	26	< 5	5	37	0.20	< 10	< 10	68	< 5	214
O+50W O+50N	201 238	< 1	0.01	32	2080	30	< 5	5	32	0.23	< 10	< 10	61	< 5	132
O+50W O+60N	201 238	1	0.01	31	1230	26	< 5	4	32	0.22	< 10	< 10	57	< 5	163
O+50W O+70N	201 238	< 1	0.01	35	1080	44	< 5	8	37	0.24	< 10	< 10	102	< 5	203
O+50W O+80N	201 238	< 1	0.01	33	3100	52	< 5	3	26	0.17	< 10	< 10	50	< 5	270
O+50W O+90N	201 238	< 1	0.01	26	1930	36	< 5	5	27	0.17	< 10	< 10	63	< 5	151
O+50W I+00N	201 238	< 1	0.02	36	1410	38	< 5	5	38	0.21	< 10	< 10	77	< 5	181
O+50W O+10S	201 238	< 1	0.01	46	1900	42	< 5	5	33	0.21	< 10	< 10	72	< 5	336
O+50W O+20S	203 238	1	0.01	17	3700	648	10	2	36	0.14	< 10	< 10	63	< 5	365
O+50W O+30S	217 238	1	0.01	6	1110	330	< 5	1	54	0.12	< 10	< 10	45	< 5	258
O+50W O+40S	201 238	< 1	0.01	15	1650	156	< 5	2	32	0.14	< 10	< 10	53	< 5	297
O+50W O+50S	201 238	< 1	0.02	21	1450	24	< 5	2	21	0.18	< 10	< 10	39	< 5	174
O+50W O+60S	201 238	< 1	0.02	21	1070	84	< 5	2	17	0.18	< 10	< 10	33	< 5	148
O+50W O+70S	201 238	< 1	0.01	38	1220	62	< 5	3	24	0.21	< 10	< 10	53	< 5	207
O+50W O+80S	201 238	< 1	0.03	34	2150	28	< 5	3	27	0.20	< 10	< 10	39	< 5	162

CERTIFICATION : *[Signature]*



**Chemex Labs Ltd.**  
Analytical Chemists • Geochemists • Registered Assayers  
212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1  
PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
(ATTN: RAY DUJARDIN)  
13 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

Project : B08(C) A-07  
Comments: CC: G. THOMPSON

Page No. : 3-A  
Tot. Pages: 6  
Date : 2-AUG-88  
Invoice : I-8819546  
P.O. # : NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
I+50W O+90S	201 238	10	2.82	< 0.2	45	430	1.0	< 2	0.32	2.5	22	18	39	4.22	< 10	< 1	0.13	10	0.38	1063
I+50W I+00S	201 238	30	2.43	< 0.2	50	240	1.0	< 2	0.19	1.5	18	20	22	4.47	< 10	< 1	0.09	10	0.44	906
I+00E BL	201 238	5	2.38	0.2	110	220	0.5	< 2	0.25	1.5	12	21	25	2.36	< 10	2	0.11	10	0.42	799
I+00E O+10N	201 238	45	2.93	< 0.2	100	360	0.5	< 2	0.39	4.5	24	23	71	3.60	< 10	< 1	0.18	10	0.81	1310
I+00E O+30N	201 238	305	2.99	0.2	2540	260	0.5	2	0.42	3.0	51	22	170	7.16	< 10	< 1	0.12	10	1.27	1705
I+00E O+40N	201 238	35	3.36	0.2	145	180	0.5	2	0.20	0.5	16	24	45	2.90	< 10	< 1	0.09	10	0.60	571
I+00E O+50N	201 238	340	5.01	0.2	1330	290	1.5	< 2	0.34	1.0	42	43	526	7.01	< 10	< 1	0.33	< 10	2.36	788
I+00E O+60N	201 238	10	3.91	0.4	560	350	1.0	< 2	0.19	< 0.5	14	24	53	2.49	< 10	< 1	0.14	10	0.52	788
I+00E O+70N	201 238	40	2.95	0.4	510	200	0.5	2	0.25	1.0	15	20	32	2.74	< 10	4	0.10	10	0.52	702
I+00E O+80N	201 238	< 5	3.59	0.4	135	270	0.5	< 2	0.23	2.0	16	24	29	2.91	< 10	< 1	0.13	10	0.63	765
I+00E O+90N	201 238	< 5	2.52	< 0.2	65	220	0.5	< 2	0.35	< 0.5	14	39	64	2.94	< 10	< 1	0.13	20	0.81	311
I+00E I+00N	201 238	< 5	3.47	0.4	30	190	0.5	2	0.23	1.5	11	22	22	2.40	< 10	< 1	0.10	10	0.47	346
I+00E O+10S	201 238	< 5	2.99	< 0.2	45	330	0.5	< 2	0.18	1.0	9	17	13	2.07	< 10	< 1	0.08	10	0.30	771
I+00E O+20S	201 238	< 5	3.48	0.2	95	190	0.5	< 2	0.21	0.5	8	15	17	2.00	< 10	< 1	0.08	10	0.28	357
I+00E O+30S	201 238	< 5	2.02	0.2	30	410	0.5	< 2	0.24	0.5	9	19	14	1.90	< 10	< 1	0.11	10	0.34	669
I+00E O+40S	201 238	< 5	1.79	0.2	30	240	0.5	2	0.35	2.0	8	18	12	1.79	< 10	< 1	0.10	10	0.31	600
I+00E O+50S	201 238	< 5	3.01	0.2	35	330	0.5	< 2	0.22	< 0.5	10	21	17	2.25	< 10	< 1	0.13	10	0.40	647
I+00E O+60S	201 238	< 5	2.14	0.4	40	230	0.5	< 2	0.32	1.0	15	43	23	2.77	< 10	< 1	0.26	10	1.01	647
I+00E O+70S	201 238	140	1.40	0.4	25	370	0.5	2	0.64	6.0	18	80	38	2.24	< 10	< 1	0.12	10	0.36	1505
I+00E O+80S	201 238	< 5	2.18	0.2	45	200	0.5	< 2	0.27	1.5	12	23	33	2.34	< 10	< 1	0.13	10	0.49	699
I+00E O+90S	201 238	25	2.79	0.4	235	190	0.5	4	0.23	1.5	17	27	49	3.25	< 10	< 1	0.14	10	0.82	1030
I+00E I+00S	201 238	125	2.71	0.4	395	310	1.0	4	0.27	1.5	20	25	28	3.03	< 10	< 1	0.16	10	0.75	1145
I+00W BL	201 238	< 5	3.89	0.4	25	340	1.0	< 2	0.20	2.5	15	17	24	2.51	< 10	< 1	0.11	10	0.36	1370
I+00W O+10N	201 238	< 5	2.94	0.4	345	190	1.0	2	0.13	4.0	22	20	26	3.31	< 10	< 1	0.09	10	0.40	1030
I+00W O+20N	201 238	< 5	3.05	0.4	60	210	0.5	< 2	0.19	1.0	14	18	17	2.32	< 10	< 1	0.11	10	0.39	731
I+00W O+30N	201 238	< 5	2.89	0.4	45	250	0.5	< 2	0.22	< 0.5	11	16	14	2.07	< 10	< 1	0.10	10	0.36	472
I+00W O+40N	201 238	< 5	2.94	0.2	50	250	0.5	< 2	0.25	3.3	15	29	25	2.88	< 10	< 1	0.14	10	0.60	795
I+00W O+50N	201 238	< 5	3.20	0.2	45	320	1.0	< 2	0.24	1.0	16	23	22	2.66	< 10	2	0.13	10	0.45	1645
I+00W O+60N	201 238	< 5	2.93	0.2	145	250	1.0	< 2	0.40	1.0	40	24	97	4.90	< 10	< 1	0.13	10	0.98	848
I+00W O+70N	201 238	< 5	4.41	0.2	120	280	1.0	2	0.26	0.5	17	19	44	3.30	< 10	< 1	0.11	10	0.47	1025
I+00W O+80N	201 238	20	3.75	0.4	100	270	1.0	2	0.26	< 0.5	17	29	35	3.18	< 10	< 1	0.11	10	0.67	878
I+00W O+90N	201 238	10	3.76	0.2	195	350	2.5	< 2	0.19	3.0	35	19	182	12.05	< 10	< 1	0.11	10	0.44	430
I+00W I+00N	201 238	< 5	2.76	0.2	440	220	1.0	< 2	0.16	1.5	17	22	37	3.17	< 10	< 1	0.09	10	0.44	1000
I+00W O+10S	201 238	55	2.35	0.2	425	310	0.5	2	0.21	4.0	21	19	39	4.71	< 10	< 1	0.11	10	0.39	1785
I+00W O+20S	217 238	< 5	1.97	0.2	85	280	1.5	< 2	0.41	3.5	16	84	35	3.46	< 10	< 1	0.15	20	0.65	2790
I+00W O+30S	203 238	< 5	2.18	0.2	45	300	1.0	< 2	0.39	2.5	21	28	47	3.35	< 10	1	0.13	10	0.44	1675
I+00W O+40S	201 238	< 5	3.93	0.2	50	160	1.0	< 2	0.23	2.5	21	21	34	3.80	< 10	< 1	0.11	10	0.46	771
I+00W O+50S	203 238	< 5	3.27	0.2	65	170	1.0	< 2	0.18	2.5	16	85	55	5.59	< 10	5	0.16	10	0.44	806
I+00W O+60S	201 238	10	2.19	0.2	50	300	1.0	2	0.18	7.0	21	21	42	5.65	< 10	1	0.11	10	0.45	1525
I+00W O+70S	201 238	< 5	2.77	< 0.2	25	220	0.5	2	0.19	2.0	23	22	27	3.71	< 10	< 1	0.12	10	0.51	1090

CERTIFICATION : *[Signature]*



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
 'ATTN: RAY DUJARDIN'  
 93 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1  
 Project : B08(C) A-07  
 Comments: CC: G. THOMPSON

Page No. : 3-B  
 Tot. Pgs: 6  
 Date : 2-AUG-88  
 Invoice #: I-8819546  
 P.O. #: NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
O+50W O+90S	201 238	< 1	0.02	42	2430	86	< 5	3	33	0.17	< 10	< 10	53	< 5	348
O+50W I+00S	201 238	1	0.01	21	1590	42	< 5	3	23	0.19	< 10	< 10	66	< 5	226
I+00E BL	201 238	1	0.01	21	2280	82	< 5	3	28	0.15	< 10	< 10	37	< 5	181
I+00E O+10N	201 238	< 1	0.02	29	1710	216	5	5	66	0.17	< 10	< 10	58	< 5	286
I+00E O+30N	201 238	< 1	0.01	38	2370	106	< 5	6	59	0.12	< 10	< 10	75	< 5	360
I+00E O+40N	201 238	< 1	0.01	28	1130	30	5	4	23	0.18	< 10	< 10	49	< 5	131
I+00E O+50N	201 238	< 1	0.03	37	890	36	10	16	54	0.20	< 10	< 10	164	< 5	175
I+00E O+60N	201 238	< 1	0.03	21	3310	22	< 5	3	35	0.17	< 10	< 10	41	< 5	173
I+00E O+70N	201 238	< 1	0.02	19	2680	16	< 5	3	30	0.16	< 10	< 10	42	< 5	213
I+00E O+80N	201 238	< 1	0.02	24	2120	20	< 5	4	27	0.21	< 10	< 10	52	< 5	398
I+00E O+90N	201 238	< 1	0.01	43	1590	14	5	3	31	0.16	< 10	< 10	62	< 5	150
I+00E I+00N	201 238	< 1	0.02	18	1740	26	< 5	3	23	0.18	< 10	< 10	44	< 5	150
I+00E O+10S	201 238	< 1	0.02	16	5490	28	5	2	25	0.12	< 10	< 10	31	< 5	136
I+00E O+20S	201 238	< 1	0.03	15	4220	18	< 5	3	25	0.15	< 10	< 10	32	< 5	82
I+00E O+30S	201 238	< 1	0.02	14	3010	32	< 5	3	32	0.12	< 10	< 10	33	< 5	138
I+00E O+40S	201 238	< 1	0.02	11	2850	124	< 5	2	40	0.12	< 10	< 10	30	< 5	168
I+00E O+50S	201 238	< 1	0.02	20	4410	6	< 5	3	29	0.13	< 10	< 10	36	< 5	94
I+00E O+60S	201 238	1	0.01	17	1500	40	< 5	3	32	0.19	< 10	< 10	55	< 5	184
I+00E O+70S	201 238	< 1	0.03	12	1420	170	5	3	39	0.13	< 10	< 10	40	< 5	277
I+00E O+80S	201 238	< 1	0.01	19	1580	30	< 5	2	22	0.13	< 10	< 10	42	< 5	198
I+00E O+90S	201 238	< 1	0.01	15	2460	90	< 5	4	27	0.16	< 10	< 10	58	< 5	161
I+00E I+00S	201 238	< 1	0.02	28	1750	92	< 5	4	26	0.17	< 10	< 10	57	< 5	157
I+00W BL	201 238	< 1	0.03	25	2480	36	< 5	3	29	0.19	< 10	< 10	39	< 5	227
I+00W O+10N	201 238	< 1	0.01	22	2970	110	< 5	3	19	0.18	< 10	< 10	48	< 5	284
I+00W O+20N	201 238	< 1	0.02	20	990	36	< 5	2	23	0.18	< 10	< 10	38	< 5	173
I+00W O+30N	201 238	< 1	0.02	19	1790	20	< 5	2	28	0.15	< 10	< 10	33	< 5	106
I+00W O+40N	201 238	< 1	0.01	24	2560	38	< 5	3	27	0.17	< 10	< 10	50	< 5	258
I+00W O+50N	201 238	< 1	0.02	21	2810	30	< 5	3	31	0.18	< 10	< 10	43	< 5	196
I+00W O+60N	201 238	< 1	0.01	27	1400	48	< 5	4	47	0.23	< 10	< 10	88	< 5	458
I+00W O+70N	201 238	< 1	0.02	21	3120	24	< 5	4	31	0.21	< 10	< 10	51	< 5	209
I+00W O+80N	201 238	< 1	0.02	26	1600	26	5	4	31	0.24	< 10	< 10	60	< 5	145
I+00W O+90N	201 238	1	0.01	19	5050	84	< 5	3	63	0.16	< 10	< 10	70	< 5	221
I+00W I+00N	201 238	< 1	0.01	17	2950	80	< 5	3	23	0.17	< 10	< 10	46	< 5	228
I+00W O+10S	201 238	< 1	0.01	21	1940	124	< 5	3	31	0.17	< 10	< 10	71	< 5	358
I+00W O+20S	217 238	1	0.03	15	1310	72	< 5	4	45	0.16	< 10	< 10	71	< 5	307
I+00W O+30S	203 238	1	0.03	20	2050	138	< 5	3	37	0.18	< 10	< 10	61	< 5	291
I+00W O+40S	201 238	< 1	0.01	34	2370	76	< 5	3	28	0.20	< 10	< 10	60	< 5	256
I+00W O+50S	203 238	3	0.03	26	1840	98	< 5	4	26	0.21	< 10	< 10	91	< 5	186
I+00W O+60S	201 238	3	0.01	18	1820	190	5	4	30	0.19	< 10	< 10	90	< 5	310
I+00W O+70S	201 238	< 1	0.01	24	1480	22	< 5	3	23	0.18	< 10	< 10	57	< 5	171

CERTIFICATION : *[Signature]*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
ATTN: RAY DUJARDIN  
33 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

Project : B08(C) A-07  
Comments: CC: G THOMPSON

Page No. : 4-A  
Tot. Pg : 6  
Date : 2-AUG-88  
Invoice #: I-8819546  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8819546

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
I+H0W O+60S	201 238	10 3.21 < 0.2	20	180	0.5	< 2	0.25	2.0	17	22	34	4.05	< 10	< 1	0.10	10	0.50	818		
I+H0W O+90S	201 238	10 2.21 < 0.2	15	320	0.5	< 2	0.37	5.0	23	17	32	4.99	< 10	3	0.10	10	0.49	1715		
I+SOE BL	201 238	10 3.29 0.2	70	290	0.5	< 2	0.32	2.5	23	34	38	3.82	< 10	< 1	0.13	10	0.89	946		
I+SOE O+10N	201 238	< 5 2.82 0.2	45	220	0.5	2	0.28	2.5	23	23	29	3.11	< 10	2	0.11	10	0.56	1090		
I+SOE O+20N	201 238	< 5 2.78 < 0.2	55	260	0.5	4	0.25	1.0	17	20	20	2.60	< 10	< 1	0.10	10	0.43	1215		
I+SOE O+30N	201 238	< 5 3.30 < 0.2	5	190	< 0.5	< 2	0.18	< 0.5	14	21	16	2.61	< 10	4	0.08	10	0.42	572		
I+SOE O+40N	201 238	10 2.18 < 0.2	50	420	< 0.5	< 2	0.33	1.5	23	15	54	4.91	< 10	2	0.11	10	0.56	1135		
I+SOE O+50N	201 238	< 5 2.95 < 0.2	30	190	0.5	< 2	0.13	< 0.5	9	20	13	2.24	< 10	1	0.08	10	0.36	396		
I+SOE O+60N	201 238	< 5 2.55 < 0.2	< 5	220	< 0.5	< 2	0.29	0.5	10	21	15	2.13	< 10	2	0.10	10	0.42	360		
I+SOE O+70N	201 238	< 5 2.93 < 0.2	< 5	270	< 0.5	2	0.20	0.5	11	18	11	2.08	< 10	4	0.10	10	0.32	549		
I+SOE O+80N	201 238	< 5 1.75 < 0.2	5	190	< 0.5	< 2	0.21	0.5	10	22	12	2.06	< 10	< 1	0.09	10	0.40	376		
I+SOE O+90N	201 238	< 5 2.75 0.2	15	210	< 0.5	< 2	0.19	< 0.5	9	18	13	2.06	< 10	< 1	0.09	10	0.36	508		
I+SOE I+00N	201 238	< 5 2.53 < 0.2	15	250	0.5	< 2	0.23	0.5	10	21	12	2.13	< 10	< 1	0.09	10	0.38	616		
I+SOE O+10S	203 238	10 2.59 < 0.2	35	440	< 0.5	< 2	0.57	4.5	23	26	38	3.32	< 10	< 1	0.14	10	0.71	1565		
I+SOE O+20S	203 238	< 5 2.77 < 0.2	20	460	< 0.5	< 2	0.53	3.5	23	26	39	3.20	< 10	< 1	0.18	10	0.97	927		
I+SOE O+30S	203 238	< 5 3.14 < 0.2	30	850	< 0.5	< 2	0.53	3.0	24	44	36	3.73	< 10	< 1	0.56	20	1.96	808		
I+SOE O+40S	203 238	< 5 3.49 0.2	45	340	0.5	2	0.41	0.5	14	32	20	2.81	< 10	< 1	0.22	10	0.82	412		
I+SOE O+50S	203 238	< 5 3.24 < 0.2	50	310	< 0.5	< 2	0.49	1.5	15	39	19	2.83	< 10	< 1	0.16	10	0.78	464		
I+SOE O+60S	203 238	< 5 3.56 0.2	15	320	< 0.5	< 2	0.31	0.5	19	58	38	3.07	< 10	3	0.19	10	1.06	588		
I+SOE O+70S	201 238	< 5 2.97 < 0.2	10	300	0.5	< 2	0.28	0.5	15	45	27	2.62	< 10	5	0.14	10	0.84	459		
I+SOE O+80S	201 238	< 5 2.07 < 0.2	35	250	< 0.5	< 2	0.20	0.5	12	27	13	2.29	< 10	< 1	0.09	< 10	0.45	476		
I+SOE O+90S	203 238	25 3.44 < 0.2	85	200	< 0.5	< 2	0.28	2.5	44	42	168	8.09	< 10	4	0.12	10	0.41	1295		
I+SOE I+00S	201 238	< 5 3.22 < 0.2	55	370	< 0.5	< 2	0.30	2.0	39	40	86	3.77	< 10	< 1	0.12	10	0.72	1510		
I+SOE BL	203 238	< 5 2.71 < 0.2	45	530	< 0.5	2	0.54	4.5	47	59	64	4.55	< 10	< 1	0.20	10	1.01	3340		
I+SOE O+10N	201 238	< 5 4.14 0.2	50	130	0.5	< 2	0.19	0.5	14	22	27	3.23	< 10	< 1	0.09	10	0.50	366		
I+SOW O+20N	201 238	< 5 3.85 0.2	75	220	0.5	< 2	0.23	1.5	19	36	24	3.73	< 10	< 1	0.11	10	0.80	912		
I+SOW O+30N	201 238	25 2.71 < 0.2	395	190	< 0.5	2	0.30	3.0	22	24	110	6.57	< 10	< 1	0.14	10	0.86	871		
I+SOW O+40N	201 238	10 2.26 < 0.2	95	200	< 0.5	< 2	0.21	2.0	34	24	44	4.73	< 10	< 1	0.10	10	0.58	1275		
I+SOW O+50N	201 238	10 3.65 0.2	160	210	< 0.5	< 2	0.29	1.0	22	25	59	3.65	< 10	< 1	0.10	10	0.72	823		
I+SOW O+60N	201 238	< 5 3.43 < 0.2	125	200	< 0.5	< 2	0.37	1.0	25	29	56	4.26	< 10	< 1	0.17	10	0.92	977		
I+SOW O+70N	201 238	< 5 3.46 0.2	95	170	< 0.5	< 2	0.37	1.5	29	33	63	4.31	< 10	2	0.17	10	1.12	683		
I+SOW O+80N	201 238	< 5 3.97 0.2	350	250	< 0.5	2	0.30	1.5	21	25	44	3.55	< 10	< 1	0.16	10	0.75	929		
I+SOW O+90N	201 238	25 3.86 0.4	455	170	< 0.5	2	0.36	1.0	21	26	152	4.67	< 10	< 1	0.21	20	1.06	650		
I+SOW I+00N	201 238	30 3.11 0.2	515	180	< 0.5	2	0.46	1.0	40	30	209	5.38	< 10	4	0.24	10	1.35	566		
I+SOW O+10S	201 238	70 2.34 < 0.2	185	350	< 0.5	2	0.70	5.5	21	48	95	7.33	< 10	< 1	0.22	10	0.76	2020		
I+SOW O+20S	201 238	15 2.34 < 0.2	110	210	< 0.5	< 2	0.52	2.5	33	34	105	8.34	< 10	1	0.18	10	0.57	1110		
I+SOW O+30S	201 238	20 2.08 < 0.2	480	290	< 0.5	2	0.68	6.5	34	26	64	7.31	< 10	< 1	0.12	10	0.36	2300		
I+SOW O+40S	201 238	135 1.81 < 0.2	30	240	< 0.5	< 2	0.65	8.5	23	37	68	4.92	< 10	< 1	0.19	10	0.66	1670		
I+SOW O+50S	201 238	< 5 2.76 < 0.2	50	210	< 0.5	< 2	0.33	2.0	15	33	20	2.98	< 10	< 1	0.11	10	0.55	1055		
I+SOW O+60S	201 238	< 5 2.63 < 0.2	25	210	< 0.5	< 2	0.30	2.0	12	30	16	2.57	< 10	< 1	0.09	10	0.48	673		

CERTIFICATION : *[Signature]*



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
 'ATTN: RAY DUJARDIN)  
 93 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1  
 Project : B08(C) A-07  
 Comments: CC: G. THOMPSON

Page No. : 4-B  
 Tot. P : 6  
 Date : 2-AUG-88  
 Invoice # : I-8819546  
 P.O. # : NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
I+SOV O+60S	201 238	< 1	0.01	20	1740	38	< 5	3	30	0.19	< 10	< 10	62	< 5	188
I+SOV O+90S	201 238	< 1	0.01	15	2330	96	< 5	3	42	0.15	< 10	< 10	60	< 5	364
I+SOE BL	201 238	< 1	0.01	46	2740	56	< 5	4	31	0.20	< 10	< 10	65	< 5	227
I+SOE O+10N	201 238	< 1	0.01	37	2140	60	< 5	3	25	0.18	< 10	< 10	54	< 5	183
I+SOE O+20N	201 238	< 1	0.01	28	2420	54	< 5	2	29	0.16	< 10	< 10	43	< 5	159
I+SOE O+30N	201 238	1	0.01	21	1840	12	< 5	3	18	0.17	< 10	< 10	46	< 5	77
I+SOE O+40N	201 238	1	0.01	17	2290	42	< 5	2	54	0.14	< 10	< 10	51	< 5	171
I+SOE O+50N	201 238	< 1	0.01	19	1700	20	< 5	2	17	0.15	< 10	< 10	39	< 5	64
I+SOE O+60N	201 238	1	0.01	19	1190	10	< 5	3	41	0.15	< 10	< 10	38	< 5	56
I+SOE O+70N	201 238	< 1	0.02	18	2640	14	5	3	33	0.13	< 10	< 10	32	< 5	80
I+SOE O+80N	201 238	< 1	0.02	13	2160	22	< 5	2	24	0.11	< 10	< 10	38	< 5	95
I+SOE O+90N	201 238	< 1	0.02	15	2330	16	< 5	3	24	0.15	< 10	< 10	35	< 5	80
I+SOE I+00N	201 238	1	0.02	16	2390	12	< 5	3	30	0.14	< 10	< 10	36	< 5	108
I+SOE O+10S	203 238	< 1	0.01	46	1670	112	< 5	3	46	0.17	< 10	< 10	53	< 5	321
I+SOE O+20S	203 238	< 1	0.01	45	2380	92	5	3	50	0.20	< 10	< 10	51	< 5	280
I+SOE O+30S	203 238	< 1	0.01	60	1910	130	< 5	4	80	0.40	< 10	< 10	72	< 5	240
I+SOE O+40S	203 238	< 1	0.02	37	2720	18	< 5	3	39	0.21	< 10	< 10	49	< 5	105
I+SOE O+50S	203 238	< 1	0.02	41	4330	36	5	3	41	0.17	< 10	< 10	46	< 5	149
I+SOE O+60S	203 238	< 1	0.02	67	2890	16	< 5	3	33	0.21	< 10	< 10	50	< 5	123
I+SOE O+70S	201 238	< 1	0.02	51	2540	14	< 5	3	27	0.19	< 10	< 10	40	< 5	116
I+SOE O+80S	201 238	< 1	0.01	29	2300	64	< 5	2	17	0.13	< 10	< 10	32	< 5	120
I+SOE O+90S	203 238	2	0.02	37	2540	36	5	5	41	0.18	< 10	< 10	97	< 5	276
I+SOE I+00S	201 238	< 1	0.01	42	2920	100	5	3	38	0.17	< 10	< 10	51	< 5	199
I+SOV BL	203 238	1	0.04	34	2380	192	< 5	5	53	0.19	< 10	< 10	78	< 5	264
I+SOV O+10N	201 238	< 1	0.02	23	1180	32	5	4	23	0.24	< 10	< 10	56	< 5	119
I+SOV O+20N	201 238	< 1	0.02	29	2130	38	< 5	3	28	0.25	< 10	< 10	61	< 5	208
I+SOV O+30N	201 238	1	0.01	23	2820	44	< 5	3	54	0.20	< 10	< 10	104	< 5	279
I+SOV O+40N	201 238	1	0.01	22	1730	34	< 5	3	29	0.20	< 10	< 10	72	< 5	298
I+SOV O+50N	201 238	< 1	0.02	30	1290	38	< 5	4	42	0.24	< 10	< 10	70	< 5	149
I+SOV O+60N	201 238	< 1	0.02	40	1070	26	< 5	5	40	0.33	< 10	< 10	97	< 5	165
I+SOV O+70N	201 238	1	0.02	46	660	4	< 5	6	39	0.37	< 10	< 10	103	< 5	154
I+SOV O+80N	201 238	< 1	0.03	40	2690	26	< 5	5	46	0.23	< 10	< 10	68	< 5	172
I+SOV O+90N	201 238	1	0.02	29	1300	58	< 5	7	49	0.30	< 10	< 10	101	< 5	148
I+SOV I+00N	201 238	1	0.01	38	1640	38	5	6	63	0.29	< 10	< 10	123	< 5	178
I+SOV O+10S	201 238	2	0.04	18	2140	106	5	7	70	0.23	< 10	< 10	123	< 5	319
I+SOV O+20S	201 238	3	0.03	15	1760	52	< 5	3	55	0.21	< 10	< 10	94	< 5	164
I+SOV O+30S	201 238	< 1	0.03	17	1930	164	10	2	67	0.14	< 10	< 10	55	< 5	273
I+SOV O+40S	201 238	2	0.02	16	1610	278	5	4	74	0.14	< 10	< 10	85	< 5	404
I+SOV O+50S	201 238	< 1	0.02	18	1830	100	< 5	3	39	0.19	< 10	< 10	55	< 5	201
I+SOV O+60S	201 238	< 1	0.02	18	2820	56	< 5	3	41	0.18	< 10	< 10	49	< 5	139

CERTIFICATION : *[Signature]*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
ATTN: RAY DUJARDIN  
13 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

Project : B08(C) A-07  
Comments: CC: G. THOMPSON

Page No : 5-A  
Tot. P : 6  
Date : 2-AUG-88  
Invoice #: I-8819546  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8819546

SAMPLE DESCRIPTION	PREP CODE	Au ppb FATAA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
1+50W 0+70S	201 238	< 5	3.65	< 0.2	30	260	< 0.5	< 2	0.20	3.5	17	19	30	3.16	< 10	< 1	0.09	10	0.44	978
1+50W 0+80S	201 238	25	2.95	< 0.2	110	290	< 0.5	2	0.34	1.0	22	24	42	5.13	< 10	< 1	0.11	10	0.60	1280
1+50W 0+90S	201 238	15	3.23	< 0.2	20	160	< 0.5	2	0.17	3.5	22	20	41	5.25	< 10	< 1	0.08	10	0.45	1250
1+50W 1+00S	201 238	15	3.84	< 0.2	25	260	< 0.5	< 2	0.22	3.0	22	23	38	3.97	< 10	< 1	0.11	10	0.60	1430
2+00E BL	201 238	< 5	3.43	< 0.2	45	290	< 0.5	< 2	0.41	2.0	23	20	54	3.09	< 10	< 1	0.12	20	0.39	1245
2+00E 0+10N	201 238	< 5	3.39	0.2	25	150	< 0.5	< 2	0.45	1.0	38	22	77	3.71	< 10	< 1	0.11	20	0.48	636
2+00E 0+20N	201 238	< 5	2.39	< 0.2	40	140	< 0.5	< 2	0.29	< 0.5	15	23	19	2.74	< 10	< 1	0.10	10	0.46	395
2+00E 0+30N	201 238	< 5	2.73	< 0.2	15	210	< 0.5	< 2	0.40	< 0.5	12	24	16	2.49	< 10	< 2	0.12	20	0.48	413
2+00E 0+40N	201 238	< 5	2.39	0.2	10	240	< 0.5	< 2	0.27	0.5	11	19	12	2.14	< 10	< 1	0.11	10	0.35	389
2+00E 0+50N	201 238	< 5	2.32	< 0.2	15	230	< 0.5	< 2	0.25	< 0.5	11	21	14	2.26	< 10	< 2	0.11	10	0.41	368
2+00E 0+60N	201 238	< 5	2.00	0.2	5	190	< 0.5	< 2	0.25	< 0.5	10	21	12	2.12	< 10	< 1	0.10	10	0.41	363
2+00E 0+70N	201 238	< 5	2.64	0.2	30	250	< 0.5	< 2	0.30	0.5	12	20	19	2.42	< 10	< 1	0.11	10	0.45	494
2+00E 0+80N	201 238	< 5	3.48	0.2	270	230	< 0.5	2	0.34	1.5	27	30	86	4.48	< 10	< 1	0.14	10	0.75	798
2+00E 0+90N	201 238	< 5	2.47	< 0.2	85	270	< 0.5	< 2	0.35	2.0	47	22	70	6.08	< 10	< 1	0.11	10	0.46	1835
2+00E 0+10S	201 238	< 5	1.61	< 0.2	35	270	< 0.5	< 2	0.85	2.0	23	27	46	4.96	< 10	< 1	0.11	10	0.30	1403
2+00E 0+20S	201 238	< 5	2.30	< 0.2	20	380	< 0.5	< 2	0.38	1.5	11	23	15	2.41	< 10	< 1	0.13	20	0.43	3585
2+00E 0+30S	201 238	< 5	2.63	< 0.2	30	340	< 0.5	< 2	0.29	1.0	14	30	16	2.79	< 10	< 1	0.12	10	0.66	801
2+00E 0+40S	201 238	< 5	2.80	< 0.2	45	290	< 0.5	< 2	0.31	2.0	21	18	28	2.92	< 10	< 1	0.09	10	0.36	980
2+00E 0+50S	201 238	< 5	3.36	0.2	25	330	< 0.5	2	0.34	1.0	19	30	24	2.97	< 10	< 2	0.20	10	0.82	488
2+00E 0+60S	201 238	< 5	3.22	0.2	60	250	< 0.5	< 2	0.48	1.5	20	40	46	3.28	< 10	< 4	0.22	20	0.97	863
2+00E 0+70S	201 238	< 5	3.05	0.2	20	190	< 0.5	< 2	0.25	1.5	15	26	18	2.63	< 10	< 1	0.10	10	0.53	368
2+00E 0+80S	201 238	< 5	3.10	< 0.2	30	300	< 0.5	2	0.31	0.5	14	21	25	2.50	< 10	< 1	0.12	10	0.46	828
2+00E 0+90S	201 238	< 5	1.83	< 0.2	< 5	250	< 0.5	2	0.19	1.0	12	23	11	2.34	< 10	< 1	0.08	10	0.40	758
2+00E 1+00S	201 238	< 5	2.96	< 0.2	55	240	< 0.5	< 2	0.26	1.0	19	23	27	2.60	< 10	< 1	0.10	10	0.41	487
2+00W BL	201 238	< 5	3.09	< 0.2	160	210	< 0.5	< 2	0.37	1.0	22	22	45	4.49	< 10	< 1	0.16	10	0.61	578
2+00W 0+10N	201 238	110	3.70	0.4	2030	250	< 0.5	< 2	0.42	3.0	23	22	61	3.75	< 10	< 1	0.13	10	0.54	739
2+00W 0+20N	201 238	20	3.94	0.4	975	240	< 0.5	< 2	0.40	1.5	22	32	74	3.88	< 10	< 1	0.14	10	0.75	542
2+00W 0+30N	201 238	50	4.10	0.4	445	300	< 0.5	2	0.50	2.0	21	40	57	3.29	< 10	< 3	0.19	10	0.91	747
2+00W 0+40N	201 238	< 5	3.41	0.2	55	250	< 0.5	2	0.29	1.5	16	23	26	2.50	< 10	< 1	0.12	10	0.46	606
2+00W 0+50N	201 238	< 5	3.60	0.4	20	190	< 0.5	2	0.34	1.0	16	22	26	2.88	< 10	< 1	0.11	10	0.59	504
2+00W 0+60N	201 238	15	3.04	0.2	155	180	< 0.5	< 2	0.34	0.5	20	26	40	3.48	< 10	< 1	0.15	10	0.83	987
2+00W 0+70N	201 238	25	3.87	0.4	165	140	< 0.5	2	0.32	2.0	22	26	58	3.65	< 10	< 1	0.12	10	0.79	668
2+00W 0+80N	201 238	15	3.24	0.2	420	300	< 0.5	6	0.40	1.5	48	31	106	4.54	< 10	< 1	0.17	10	0.92	1865
2+00W 0+90N	201 238	10	3.84	0.4	360	160	< 0.5	6	0.37	1.5	39	29	100	4.11	< 10	< 1	0.19	10	1.03	672
2+00W 1+00N	201 238	< 5	2.51	< 0.2	110	210	< 0.5	< 2	0.27	1.0	17	22	27	2.78	< 10	< 1	0.14	10	0.50	706
2+00W 0+10S	201 238	< 5	1.57	< 0.2	20	100	< 0.5	2	0.64	0.5	13	36	40	4.35	< 10	< 1	0.33	10	1.21	594
2+00W 0+20S	201 238	25	1.03	< 0.2	15	180	< 0.5	2	0.88	4.0	15	77	51	4.23	< 10	< 1	0.37	10	0.46	834
2+00W 0+30S	201 238	< 5	4.11	0.2	75	260	< 0.5	< 2	0.50	2.5	22	45	41	4.00	< 10	< 1	0.17	20	0.79	1080
2+00W 0+40S	201 238	< 5	1.54	< 0.2	15	130	< 0.5	< 2	0.93	0.5	16	34	44	4.69	< 10	< 1	0.23	10	0.80	832
2+00W 0+50S	201 238	5	2.25	< 0.2	100	140	< 0.5	4	0.43	1.5	16	63	44	5.29	< 10	< 1	0.22	10	1.25	760

CERTIFICATION :



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
 'ATTN: RAY DUJARDIN)  
 03 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1

Project : B08(C) A-07  
 Comments: CC: G. THOMPSON

Page No. : 5-B  
 Tot. Pgs: 6  
 Date : 2-AUG-88  
 Invoice #: I-8819546  
 P.O. #: NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
I+50W O+70S	201 238	2	0.02	25	1470	80	< 5	3	22	0.22	< 10	< 10	52	< 5	217
I+50W O+80S	201 238	2	0.01	22	1680	34	< 5	3	44	0.21	< 10	< 10	70	< 5	231
I+50W O+90S	201 238	1	0.01	25	1060	36	< 5	3	18	0.22	< 10	< 10	67	< 5	176
I+50W I+00S	201 238	< 1	0.01	32	890	42	< 5	5	26	0.25	< 10	< 10	68	< 5	302
2+00E BL	201 238	< 1	0.02	25	2350	64	< 5	3	42	0.19	< 10	< 10	45	< 5	173
2+00E O+10N	201 238	1	0.01	31	1670	30	< 5	4	44	0.20	< 10	< 10	54	< 5	131
2+00E O+20N	201 238	< 1	0.01	18	1580	10	< 5	3	29	0.17	< 10	< 10	49	< 5	77
2+00E O+30N	201 238	< 1	0.02	19	1390	16	< 5	3	46	0.18	< 10	< 10	47	< 5	54
2+00E O+40N	201 238	< 1	0.02	19	1380	12	< 5	3	32	0.16	< 10	< 10	36	< 5	62
2+00E O+50N	201 238	< 1	0.02	18	1400	8	< 5	3	30	0.15	< 10	< 10	40	< 5	55
2+00E O+60N	201 238	< 1	0.01	13	1130	14	< 5	3	27	0.14	< 10	< 10	39	< 5	45
2+00E O+70N	201 238	1	0.02	20	2030	12	< 5	3	38	0.15	< 10	< 10	44	< 5	75
2+00E O+80N	201 238	< 1	0.01	34	3210	28	< 5	5	36	0.18	< 10	< 10	71	< 5	181
2+00E O+90N	201 238	1	0.01	28	4240	46	< 5	4	32	0.14	< 10	< 10	56	< 5	296
2+00E O+10S	201 238	1	0.05	10	2430	62	5	3	73	0.13	< 10	< 10	44	< 5	121
2+00E O+20S	201 238	< 1	0.02	21	2200	52	< 5	3	42	0.16	< 10	< 10	38	< 5	153
2+00E O+30S	201 238	< 1	0.01	32	2070	20	< 5	3	37	0.18	< 10	< 10	48	< 5	129
2+00E O+40S	201 238	< 1	0.01	24	2260	68	< 5	2	32	0.19	< 10	< 10	42	< 5	159
2+00E O+50S	201 238	< 1	0.02	37	3140	12	< 5	3	36	0.23	< 10	< 10	48	< 5	154
2+00E O+60S	201 238	< 1	0.02	66	1980	44	< 5	3	41	0.25	< 10	< 10	59	< 5	221
2+00E O+70S	201 238	< 1	0.01	26	3560	30	< 5	2	22	0.15	< 10	< 10	41	< 5	135
2+00E O+80S	201 238	< 1	0.01	24	3870	30	5	2	32	0.14	< 10	< 10	42	< 5	127
2+00E O+90S	201 238	< 1	0.01	19	2660	12	< 5	2	19	0.12	< 10	< 10	38	< 5	128
2+00E I+00S	201 238	< 1	0.01	31	5030	32	< 5	2	26	0.13	< 10	< 10	36	< 5	161
2+00W BL	201 238	< 1	0.02	55	760	34	< 5	3	53	0.23	< 10	< 10	64	< 5	124
2+00W O+10N	201 238	< 1	0.02	33	1330	56	5	3	67	0.19	< 10	< 10	50	< 5	132
2+00W O+20N	201 238	< 1	0.03	38	1140	28	< 5	4	62	0.25	< 10	< 10	63	< 5	145
2+00W O+30N	201 238	< 1	0.03	32	1240	40	5	4	65	0.26	< 10	< 10	57	< 5	178
2+00W O+40N	201 238	< 1	0.03	23	2100	42	5	3	38	0.20	< 10	< 10	43	< 5	138
2+00W O+50N	201 238	< 1	0.02	21	1410	10	< 5	4	38	0.23	< 10	< 10	59	< 5	103
2+00W O+60N	201 238	< 1	0.01	26	820	28	< 5	5	30	0.24	< 10	< 10	76	< 5	145
2+00W O+70N	201 238	< 1	0.02	33	1400	46	< 5	5	38	0.24	< 10	< 10	74	< 5	167
2+00W O+80N	201 238	< 1	0.02	46	2350	64	< 5	6	45	0.22	< 10	< 10	81	< 5	226
2+00W O+90N	201 238	< 1	0.02	43	1090	24	< 5	7	38	0.28	< 10	< 10	92	< 5	180
2+00W I+00N	201 238	< 1	0.02	23	1710	26	< 5	3	32	0.20	< 10	< 10	51	< 5	159
2+00W O+10S	201 238	1	0.04	8	1560	< 2	< 5	6	71	0.28	< 10	< 10	127	< 5	44
2+00W O+20S	201 238	< 1	0.07	7	1720	174	< 5	2	130	0.26	< 10	< 10	79	< 5	153
2+00W O+30S	201 238	< 1	0.03	53	1590	30	< 5	4	60	0.25	< 10	< 10	67	< 5	281
2+00W O+40S	201 238	< 1	0.05	9	1720	10	< 5	5	79	0.27	< 10	< 10	116	< 5	57
2+00W O+50S	201 238	2	0.04	16	1400	34	5	10	52	0.23	< 10	< 10	221	< 5	124

CERTIFICATION : *[Signature]*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

112 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
'ATTN: RAY DUJARDIN)  
33 - 1112 W. PENDER ST.  
VANCOUVER, B.C.  
V6E 2S1

Project : B08(C) A-07  
Comments: CC: G. THOMPSON

Page No. : 6-A  
Tot. Pgs: 6  
Date : 2-AUG-88  
Invoice #: I-8819546  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8819546

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
2+00W 0+60S	217 238	< 5	1.92	< 0.2	40	160	< 0.5	< 2	0.50	0.5	16	29	27	5.33	< 10	< 1	0.29	10	1.52	903
2+00W 0+70S	217 238	10	1.92	< 0.2	10	120	< 0.5	< 2	0.45	0.5	10	75	22	3.78	< 10	< 1	0.60	10	1.20	499
2+00W 0+60S	217 238	460	1.81	< 0.2	5	200	< 0.5	< 2	0.57	1.0	14	39	29	4.64	< 10	< 1	0.25	10	1.00	999
2+00W 0+90S	217 238	20	3.01	< 0.2	20	250	< 0.5	2	0.49	1.5	33	41	69	7.46	< 10	< 1	0.53	10	2.00	1660
2+00W 1+00S	217 238	75	1.87	< 0.2	85	210	< 0.5	4	0.30	1.0	16	36	24	4.21	< 10	1	0.37	10	1.00	785

CERTIFICATION :



**Chemex Labs Ltd.**  
 Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To : KERR ADDISON MINES LTD.  
 (ATTN: RAY DUJARDIN)  
 33 - 1112 W. PENDER ST.  
 VANCOUVER, B.C.  
 V6E 2S1

Project : B08(C) A-07  
 Comments: CC: G. THOMPSON

Page No. : 6-B  
 Tot. P. : 6  
 Date : 2-AUG-88  
 Invoice # : I-8819546  
 P.O. # : NONE

**CERTIFICATE OF ANALYSIS A8819546**

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
2400W 0+60S	217 238	1	0.02	10	1650	< 2	< 5	9	46	0.19	< 10	< 10	135	5	69
2400W 0+70S	217 238	4	0.04	13	1320	2	< 5	10	41	0.21	< 10	< 10	160	5	57
2400W 0+80S	217 238	4	0.04	13	1310	26	< 5	5	62	0.26	< 10	< 10	107	< 5	76
2400W 0+90S	217 238	1	0.02	27	1550	10	5	12	32	0.30	< 10	< 10	170	5	177
2400W 1+00S	217 238	2	0.02	14	1210	24	< 5	4	35	0.16	< 10	< 10	76	< 5	92

CERTIFICATION : 

APPENDIX V  
ROCK SAMPLE DESCRIPTIONS

SOUTH BELT

<u>CHEMEX NO.</u>	<u>ROSSLAND NO.</u>	
330456H	88 R 06	<u>Tigre Claim</u> - East shaft Grab from surface workings - massive arsenopyrite, pyrrhotite, magnetite and chalcopyrite, rusty oxidation.
330457H	88 R 07	East Shaft - chip across vein 0.2m, 124°/62°S - massive arsenopyrite, pyrrhotite and magnetite hosted in greyish/green fine grained volcanic, rusty oxidation.
330458H	88 R 08	West Shaft - grab from trench - massive arsenopyrite and magnetite hosted in fine grained greenish volcanic, heavily oxidized.  <u>Tiger Creek Dump (Crown Point-Lower Adit)</u>
330459H	88 R 09	Grab from dump - massive pyrrhotite with minor chalcopyrite, heavily oxidized.  <u>Nobus Claim</u> Shaft-pit caved just off Cambridge Creek Rd.
330460H	88 R 10	Grab from shaft - medium grained monzonite (diorite?) containing disseminated arsenopyrite, slightly oxidized.
330461H	88 R 11	Small trench just east of shaft Grab - greenish volcanic?, cooked diorite - containing disseminated arsenopyrite, chalcopyrite, rusty oxidized surface.  <u>Hobus Claim</u> Small trench L80S 75+00W (Bragg Grid)
330462H	88 R 12	Grab from trench - altered intrusive (monzonite) disseminated arsenopyrite, minor oxidation.

CHEMEX <u>NO.</u>	ROSSLAND <u>NO.</u>	
<u>Cam #2 Claim</u>		
330463H	88 R 13	Grab from workings around shaft - massive arsenopyrite in quartz.
<u>Zilor Claim</u>		
330470H	88 R 20	Grab from upper shaft workings - massive chalcopyrite, sphalerite, arsenopyrite, pyrrhotite, minor pyrite and galena, heavily oxidized. Vein in shaft is striking E-W - hosted in silicified sediments.
330471H	88 R 21	Sample from vein between the two shafts. Vein attitude? contains galena, sphalerite, and chalcopyrite, very oxidized, hosted in dark grey to black sediments.
<u>Nobus Claim</u>		
330472H	88 R 22	Outcrop of monzonite hosting two narrow quartz veins 0.03 - 0.04m - both striking 60° - minor malachite staining, some patchy oxidation.
330473H	88 R 23	Main Nobus shaft-pit Chip across 0.2m - siliceous vein hosted in monzonite, 90°/90° - massive to disseminated arsenopyrite - minor chalcopyrite.
330474H	88 R 24	Above main shaft-pit Grab - disseminated to massive arsenopyrite, chalcopyrite and pyrite - some limonite coating.

CHEMEX  
NO.

ROSSLAND  
NO.

Cam #2 Claim

From dump of small pit to west.

330475H      88 R 25      Grab - siliceous volcanic (andesite) hosting massive arsenopyrite with minor chalcopyrite, oxidized staining.

330476H      88 R 26      Grab of vein material? 110°/43°W, slightly brecciated - massive arsenopyrite with minor pyrrhotite and chalcopyrite hosted in silicified andesite (wallrock minor mineralization).

330477H      88 R 27      Grab from large outcrop west of pit - altered intrusive - hornfelsed and silicified, chloritized, minor pyrite and arsenopyrite.

Pine Claim

330489H      88 R 39      35+25E 10+75S  
Sample across 0.05m fissure vein 49°/90° containing pyrrhotite hosted in monzonite, surface oxidized.

Tigre Claim

Sample locations on road leading to trench.  
Grab.

330493H      88 R 43      Silicified, volcanics-andesite containing finely disseminated arsenopyrite - surface oxidized.  
330494H      88 R 44

Tigre Claim - West Pit

330495H      88 R 45      Vein 0.2m wide, 160°/50°S containing massive magnetite and arsenopyrite - hosted in fine grain volcanics (silicified) surface heavily oxidized.

CHEMEX	ROSSLAND	
<u>NO.</u>	<u>NO.</u>	
		<u>Tigre Claim - East Pit</u>
		Vein 120°/60-80°S
		Sampling each mineralogy separately
330496H	88 R 46	Massive Arsenopyrite
330497H	88 R 47	Massive pyrrhotite with chalcopyrite
330498H	88 R 48	Massive magnetite
		East of main trench on lower road grab
330499H	88 R 49	very weathered massive magnetite hosted in a greenish silicified volcanic (andesite).
330500H	88 R 50	grab - on same outcrop 10.0m north altered volcanics containing disseminated magnetite, chalcopyrite, pyrite, pyrrhotite, arsenopyrite, surface oxidized.
330001H	88 R 51	chip across 0.5m across fault gouge zone, very altered (weathered and silicified) contains massive to disseminated magnetite. Area shows signs of thermal metamorphism - cooked - some garnets present.
		<u>Cam #2 (Trench #1)</u>
330012H	88 R 59	chip across 1.0m vein 28°/dip? vein contains massive arsenopyrite and magnetite hosted in andesite (silicified) - vein appears to be cut off by dyke.
		<u>(Trench #1)</u>
330013H	88 R 60	chip across 0.15m vein 60°/dip? contains massive arsenopyrite with minor chalcopyrite. Vein pinches to the south - mineralization lessens to north. Hosted in dark green silicified - slightly micaceous - andesite.
330014H	88 R 61	chip across 1.0m (altitude)? vein contains massive arsenopyrite with minor pyrite, localized oxidized staining.

<u>CHEMEX NO.</u>	<u>ROSSLAND NO.</u>	
		Tigre Trench (sampling along vein structure <u>every 2.0m) E to W</u>
330015H	88 R 62	@ 1.0m massive magnetite across 0.5m
330016H	88 R 63	@ 3.0m massive arsenopyrite across 0.5m
330017	88 R 64	@ 5.0m massive arsenopyrite (0.1m) across 0.3m.
330018H	88 R 65	@ 7.0m grab of silicified volcanics.
330019H	88 R 66	@ 9.0m grab silicified volcanics with massive arsenopyrite.
330020H	88 R 67	@ 11.0m massive arsenopyrite across 0.3m.
330021H	88 R 68	@ 13.0m chip across 1.0m containing disseminated pyrite in silicified volcanics with 0.15m of massive arsenopyrite.
330022H	88 R 69	@ 15.0m chip across 1.2m of massive magnetite.
330023H	88 R 70	@ 17.0m chip across 2.0m green silicified volcanics containing disseminated pyrite and chalcopyrite.
330024H	88 R 71	@ 19.0m grab - silicified volcanics no visible mineralization.
330025H	88 R 72	@ 23.0m chip across 0.2m of rubbly quartz containing disseminated pyrite.
330026H	88 R 72A	@ 23.0m chip across 0.15m heavily altered and oxidized volcanics containing graphite and disseminated pyrite.
330027H	88 R 73	@ 25.0m chip across 2.0m massive magnetite.
330028H	88 R 74	@ 31.0 chip across 1.0m graphite with disseminated sulfides (pyrite, pyrrhotite) - 0.1m of massive arsenopyrite.
330029H	88 R 75	@ 33.0 chip across 0.2m of siliceous volcanics and 0.1m of massive arsenopyrite.

<u>CHEMEX</u> <u>NO.</u>	<u>ROSSLAND</u> <u>NO.</u>	
		(At West Pit Location)
330030H	88 R 76	@ 37.0 chip across 0.1m massive arsenopyrite.
330031H	88 R 77	@ 39.0 chip across 0.1m massive arsenopyrite.
		Trench Swings North
330032H	88 R 78	(2m north of 88R77) chip across 1.5m, graphite with disseminated pyrite - some sugary quartz with muscovite - also some massive arsenopyrite.
		<u>Cam #2 (Trench #2)</u>
330033H.	88 R 79	chip across 2.5m 50°/90° plunging @ 40°S.W., massive arsenopyrite with minor chalcopyrite hosted in andesite.
		<u>Nobus Claim (trench)</u>
330034H	88 R 80	chip across 0.3m 90°/40°S - silicified
330035H	88 R 81	zone grading from disseminated to massive arsenopyrite and some chalcopyrite, hosted in altered (silicified and chloritized) monzonite, surface oxidized.
		<u>Tigre Claim (trench) West End</u>
330036H	88 R 82	chip across mineralized zone - 1.5m. massive magnetite, chalcopyrite and pyrite, very weathered and altered, oxidized rusty surface.
330037H	88 R 83	chip across mineralized zone - 0.5m, very weathered and altered - mostly magnetite (mineralization appears to continue beyond edge of trench).
		East end of Tigre trench - below road
330038H	88 R 84	Grab from trench - contains massive magnetite, garnet, chalcopyrite, pyrite - heavily oxidized.

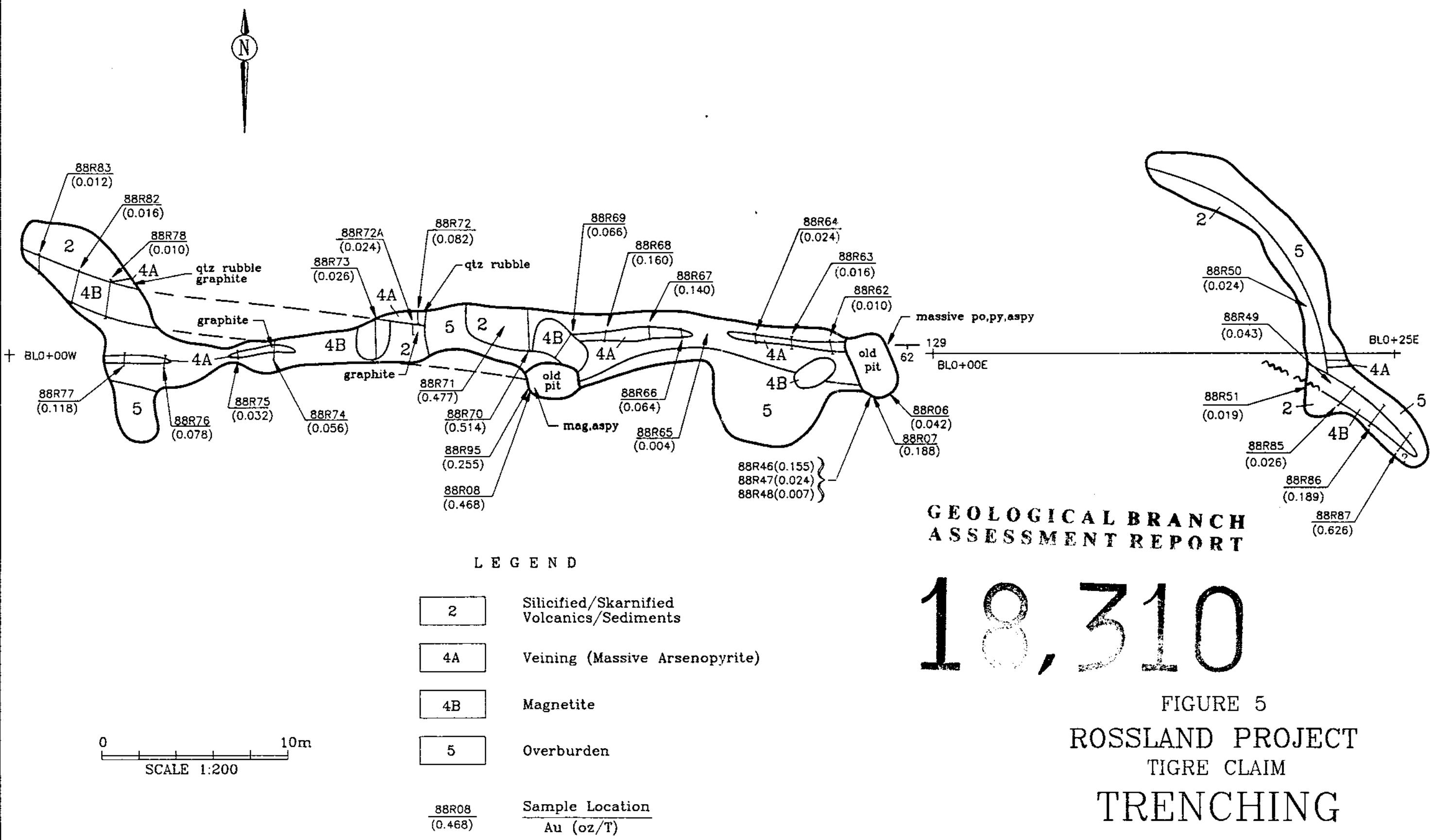
<u>CHEMEX NO.</u>	<u>ROSSLAND NO.</u>	
East Tigre Trench		
330039H	88 R 85	chip across 1.0m - massive magnetite with minor pyrite and chalcopyrite - hosted in a green altered silicified volcanic (andesite) surface oxidized.
330040H	88 R 86	chip across 1.0m - massive magnetite with minor pyrite and chalcopyrite - hosted in a green altered silicified volcanic (andesite) surface oxidized.
330041H	88 R 87	chip across 0.5m - mostly green silicified volcanics with some massive magnetite and minor pyrite and chalcopyrite-surface oxidized.
Samples from Tigre Grid		
330042H	88 R 88	grab from workings of small pit, 0+74W, 0+10N, silicified siltstone or fine grained volcanics containing disseminated arsenopyrite - slightly banded - following silicified fractures, surface slightly oxidized.
330043H	88 R 89	1+79W, 0+15N At old trench working greyish, silicified sediments very brittle and fractured (hornfels), contains a small 0.15m, 90°/72°N wide shear zone, very siliceous with some massive arsenopyrite and finely disseminated pyrite, surface very oxidized.
330044H	88 R 90	1+00E, 0+90S from old overgrown trench - green-grey volcanics, (fine gr. andesite) - contains massive to disseminated pyrite, chalcopyrite and arsenopyrite, some surface oxidation.

CHEMEX <u>NO.</u>	ROSSLAND <u>NO.</u>	
<u>Crown Point Claim</u>		
330060H	88 R 97	Grab from Crown Point workings, massive pyrrhotite with minor chalcopyrite, very oxidized (rusty).
330061H	88 R 98	Sample from wall of mineralized pit (Main Workings), massive to disseminated pyrrhotite and chalcopyrite hosted in fine grained grey-green volcanics, very oxidized (rusty).
		Sulphurets Grid L3+50E 0+60S West of Crown Point (Bragg Sample Au 0.36)
330062H	88 R 99	Silicified green grey volcanics, contains massive disseminated pyrrhotite and chalcopyrite, very oxidized.
		Prospecting up Tigre Creek.
		Sulphurets Grid L00, 7+00S , Small adit
330068H	88 R 100	Outcrop of green-grey siliceous sediments containing rare finely disseminated sulfides pyrrhotite? surface oxidized.
330069H	88 R 101	between L0-L1W 6+50S Float sample fine gr. intrusive containing disseminated arsenopyrite and rare chalcopyrite.
<u>Hattie Claim/Black Diamond Claim?</u>		
330070H	88 R 102	silicified vein in shear 360°/74°E hosted in silicified grey-green volcanics containing disseminated arsenopyrite and pyrite.
330071H	88 R 103	grab sample from dump, massive to disseminated arsenopyrite and pyrite (cubic form).

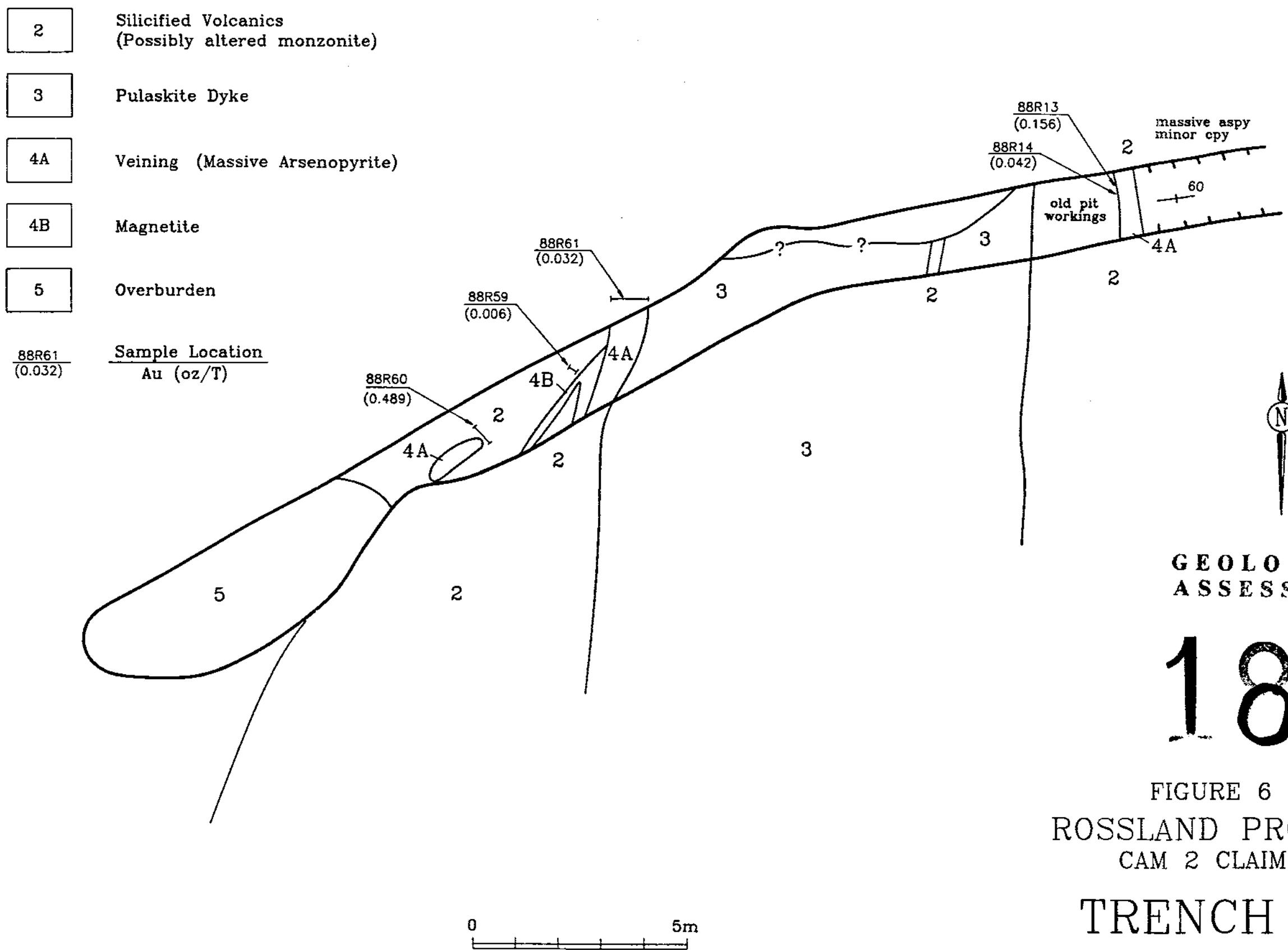
CHEMEX	ROSSLAND	
<u>NO.</u>	<u>NO.</u>	
	<u>Air 1 Claim/Roderick Dhu</u>	
330072H	88 R 104	shear zone 110°/90° outside caved adit (one of three - Bragg's map) - shear zone, very rusty - altered volcanics containing massive to disseminated pyrite and arsenopyrite.
		<u>Celtic Queen Claim - Zinc Vein</u>
330073H	88 R 105	deep shaft chip across 0.5m, very oxidized vein 70°/90° hosted in volcanics (green silicified) contains mostly pyrite, very weathered.
330074H	88 R 106	East shaft - chip across 1.0m silicified vein 90°/80°S, contains pyrite and graphite - hosted in volcanics, very weathered and oxidized.
330075H	88 R 107	grab from dump (apparently on Tigre claim - most easterly working of zinc vein), silicified altered volcanics containing fine disseminated pyrite throughout, surface oxidized.
		Tigre Claim - shaft south of zinc vein 300m.
330076H	88 R 108	Grab from dump - silicified siltstone sediments, contains very finely disseminated sulfides - pyrite, minor surface oxidation.
		Shaft on R.E. LEE Claim by old cabin
330077H	88 R 109	Grab - silicified sediments containing disseminated pyrite, surface very oxidized.
		South Tigre Claim old pit 0.8km up Maulde forestry road.
330078H	88 R 110	Grab from dump, silicified sediments - containing disseminated pyrite.

CHEMEX <u>NO.</u>	ROSSLAND <u>NO.</u>	
<u>Zilor Claim</u>		
330113H	88 R 142	chip across vein in shaft - across 1.8m very siliceous E-W striking (on west face of shaft) contains massive galena, sphalerite and minor chalcopyrite hosted in siliceous sediments (siltstone).
330114H	88 R 143	(As 88 R 21) silicified vein containing massive galena, sphalerite, pyrite and pyrrhotite (across 1.0m)
<u>Black Diamond/Deer Park</u>		
330115H	88 R 144	Western portion of Black Diamond Claim, north of Zilor claim & Power line. Fine gr. andesite with minor disseminated pyrrhotite, minor surface oxidation.
330116H	88 R 145	100m west of sample 88 R 144. Fine grained monzonite - disseminated pyrrhotite with slight surface oxidation.
<u>Tigre Claim</u>		
330127H	88 R 146	(As 88 R 88) 0+74W, 0+10N (1988 Soil Grid) Silicified sediments (sediments appear as a hornfels-brITTLE) greenish-grey, containing disseminated to massive arsenopyrite, quartz in filling fractures, slightly oxidized surface.
330128H	88 R 147	1+75W, 0+15N Old trench - shear 90°/72°N, sample across 0.2-0.3m, hosted in hornfels (whitish) brittle silicified sediments - quartz in filling fractures and along shear - containing massive to disseminated arsenopyrite and minor pyrite, surface oxidized.
330129H	88 R 148	10m west of 88 R 147 - along strike of shear - hornfels with finely disseminated arsenopyrite - very silicified - oxidized surface.

<u>CHEMEX NO.</u>	<u>ROSSLAND NO.</u>	
<u>Tigre Claim</u>		
330130H	88 R 149	10m S.W. of 88 R 148, quartz vein 90°/60°N, across 0.05m - paralleling shear zone - hosted in siliceous sediments - containing massive to disseminated arsenopyrite - oxidized surface.
330131H	88 R 150	(5.0m E of 88 R 149 along strike) Concentration of arsenopyrite and pyrite disseminated, hosted in siliceous sediments - rusty oxidation (mineralized zone 0.3m wide).
330132H	88 R 151	(1+00E, 0+50N) Grab - silicified volcanics (green-grey) containing finely disseminated arsenopyrite.
330133H	88 R 152	0+00E, 0+50N Grab - silicified volcanics (green-grey) containing disseminated pyrite - oxidized surface.
<u>Pine Claim</u>		
330144H	88 R 157	Grab from dump, 35+50E, 10+75S, dark grey silicified sediments (siltstone) contains disseminated pyrrhotite in bands.
330145H	88 R 158	chip across 0.5m shear - shear 110°/90° @ 35+25E, 10+75S, hosted in altered volcanics, oxidized rusty staining containing disseminated pyrrhotite.
330146H	88 R 159	35+25E, 10+50S Grab from dump - hornfels - silicified siltstones contains disseminated sphalerite, pyrite, arsenopyrite - maybe some pyrrhotite, surface oxidized.
330150H	88 R 160	Small pit above 88 R 158 Grab from dump - hornfels - silicified siltstones contains minor disseminated pyrrhotite.
330142H		East Tigre Showing (may be part of Crown Point)
330143H		East Tigre Showing (may be part of Crown Point).



L E G E N D



N

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

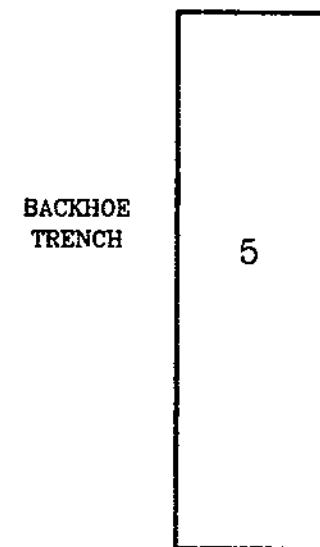
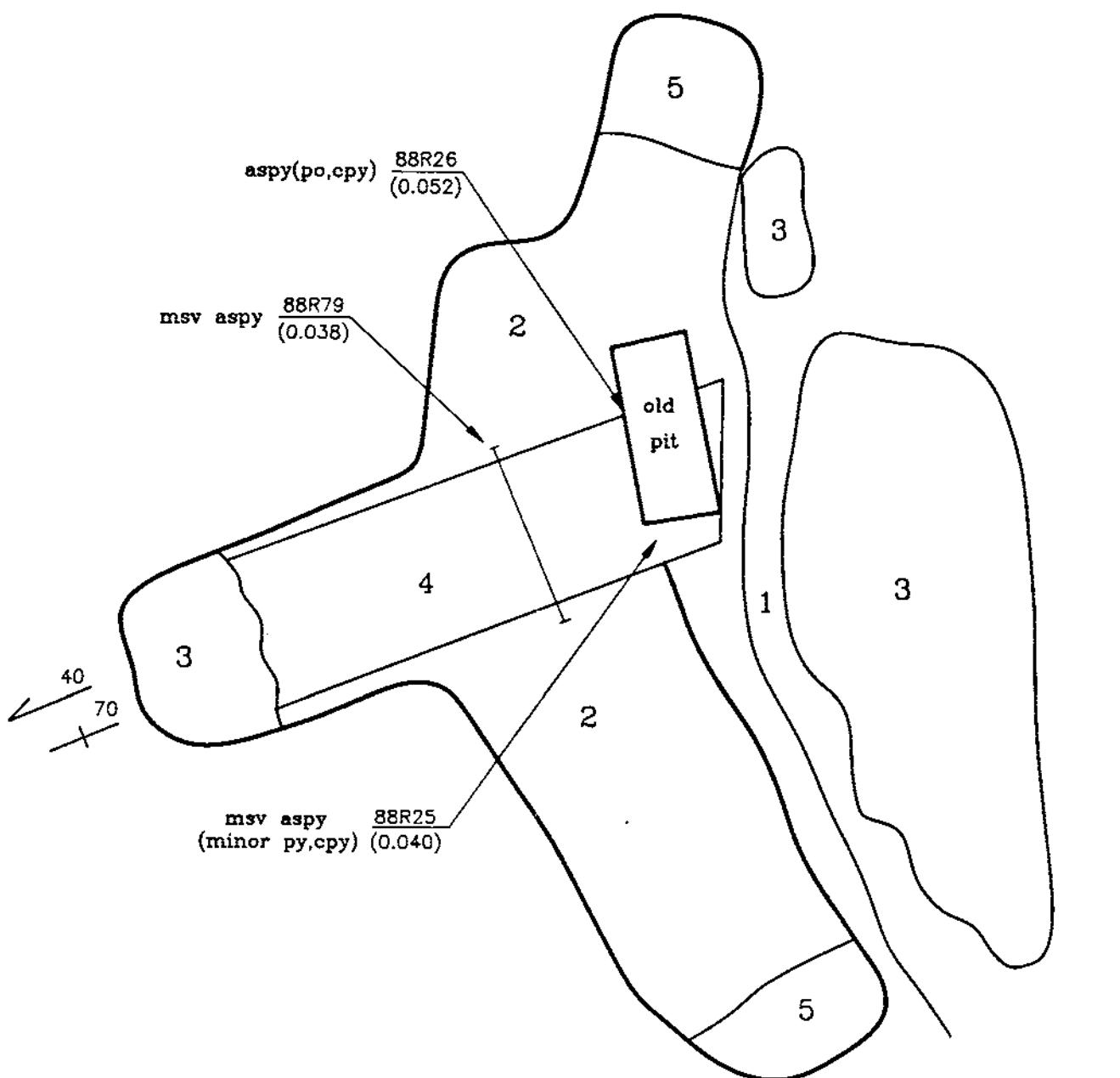
**18,310**

FIGURE 6  
ROSSLAND PROJECT  
CAM 2 CLAIM

TRENCH #1

GT/s

JANUARY 1989



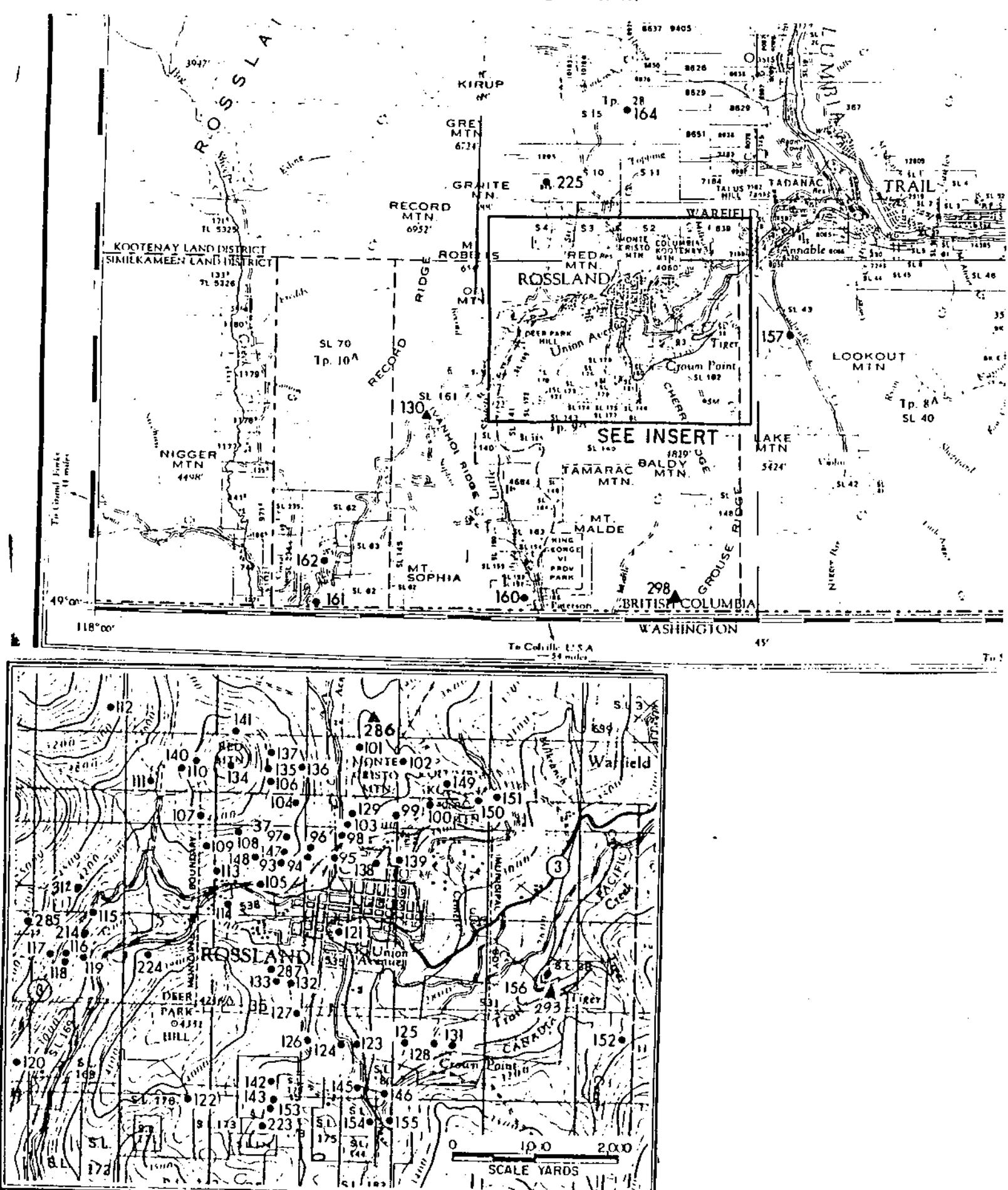
N

#### LEGEND

- |   |   |
|---|---|
| 1 | Altered Volcanics?<br>(Contact Metamorphic Hornfels)  |
| 2 | Silicified Volcanics?<br>(possibly Altered Monzonite) |
| 3 | Pulaskite Dyke  |
| 4 | Veining (Massive Arsenopyrite)                        |
| 5 | Overburden  |
- 88R25      Sample Location  
(0.040)      Au (oz/T)

1831  
ROSSLAND PROJECT  
CAM 2 CLAIM  
TRENCH #2

**FIGURE 10**  
**REVISED MINERAL INVENTORY MAP**  
**82F/SW (MI)**




93 LE FOI	Cu, Au, Ag
94 CENTRE STAR	Au, Cu, Ag
95 NICKEL PLATE	Au, Cu, Ag
96 IRON MASK	Au, Cu, Ag
97 WAR EAGLE	Au, Cu, Ag
98 VIRGINIA	Au, Cu, Ag
99 IF IN HORSE	Au, Cu
100 IRON COLT	Au, Cu
101 MIC FITE CHRISTO	Au, Cu, Ag
102 EVENING STAR	Au, Cu, Ag
103 CITY OF SPOKANE	Cu, Au
104 RED MOUNTAIN	Mo, Cu
105 BLACK BEAR	Au, Cu, Ag
106 SURPRISE	Mo, Cu, W
107 NOVELTY	Au, Mo, Co, Ur, Bi
108 GEFRAUD	Mo, Cu, W
109 GIANT	Au, Cu, Ag, Zn, Co, Ni, Mo
110 COVEY	Mo, Cu
111 JUMBO	Au, Ag
112 GOLD HILL	Ag
113 CALIFORNIA	Au, Cu, Ag
114 WHITE BEAR	Au, Cu, Ag
115 SPINDROP	Au
116 IXL	Au
117 CR	Au, Cu, Ag
118 GOLDEN DNP	Au, Ag, Cu, Pb
119 MIDNIGHT	Au, Cu, Pb
120 NORWAY	Ag
121 SPITZEE	Au, Cu, Ag
122 DEER PARK	Fe, Cu, Au, Mo
123 HOMESTAKE	Au, Ag, Cu
124 MONDAY	Zn, Pb, Ag
125 GOPHER	Cu, Au, Ag
126 TUESDAY	Cu, Au, Ag
127 SUN-SET	Zn, Pb, Ag

128 MAID OF ERIN	Au, Cu, Zn, As
129 PAUL BOY	Ag, Au, Cu
130 VANDOT	Cr
131 ROBERT E. LEE	Au
132 PHOENIX	Au, Cu, Ag
133 ABE LINCOLN	Cu, Au
134 ST. ELMO	Mo, Cu, W, Ag, Au
135 CONSOLIDATED ST. ELMO	Au, Cu, Ag, Mo
136 CLIFF, VIEW	Au, Cu, Ag
137 SOUTHERN BELLE	Au, Ag
138 GOLDEN CHARIOT	Au, Cu
139 GREAT WESTERN	Au, Cu
140 MOUNTAIN VIEW	Mo
141 GOOD FRIDAY, NORTHERN BELLE	Au, Cu
142 HATTIE	Au, Ag
143 RICHMOND	Au, Ag, Pb
144 ALVA	W
145 BLUEBIRD	Au, Ag, Pb, Zn
146 MAYFLOWER (OLLA PODIDA)	Ag, Zn, Pb, Au, Cd
147 JOSIE	Au, Cu, Ag
148 ANNIE	Au, Ag, Cu
149 GEORGIA	Au, Ag
150 COLUMBIA (WANETA)	Au, Ag
151 KOOFENAY	Au, Ag
152 CROWN POINT	Au, Cu, Ag
153 LILY MAY	Ag, Cu, Zn, Pb, Au
154 CURLEW	Ag, Au
155 RED EAGLE	Ag, Pb
156 NATURE BOY	Ag, Pb, Zn
157 URAL	Au, Ag
158 CASINO RED CAP	Pb, Zn, Ag, Au
159 COLUMBIA	Au, Ag
160 SUNSET	Ag, Pb, Zn
161 DOUGLAS	Pb, Zn, Ag, Cu
162 VELVET	Cu, Au, Ag, W
163 LORD ROBERTS	Cu, Au, Ag
164 UNION (L. 344)	Pb, Zn, Au, Ag

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,310



18,310

**MINNOVA Inc.**

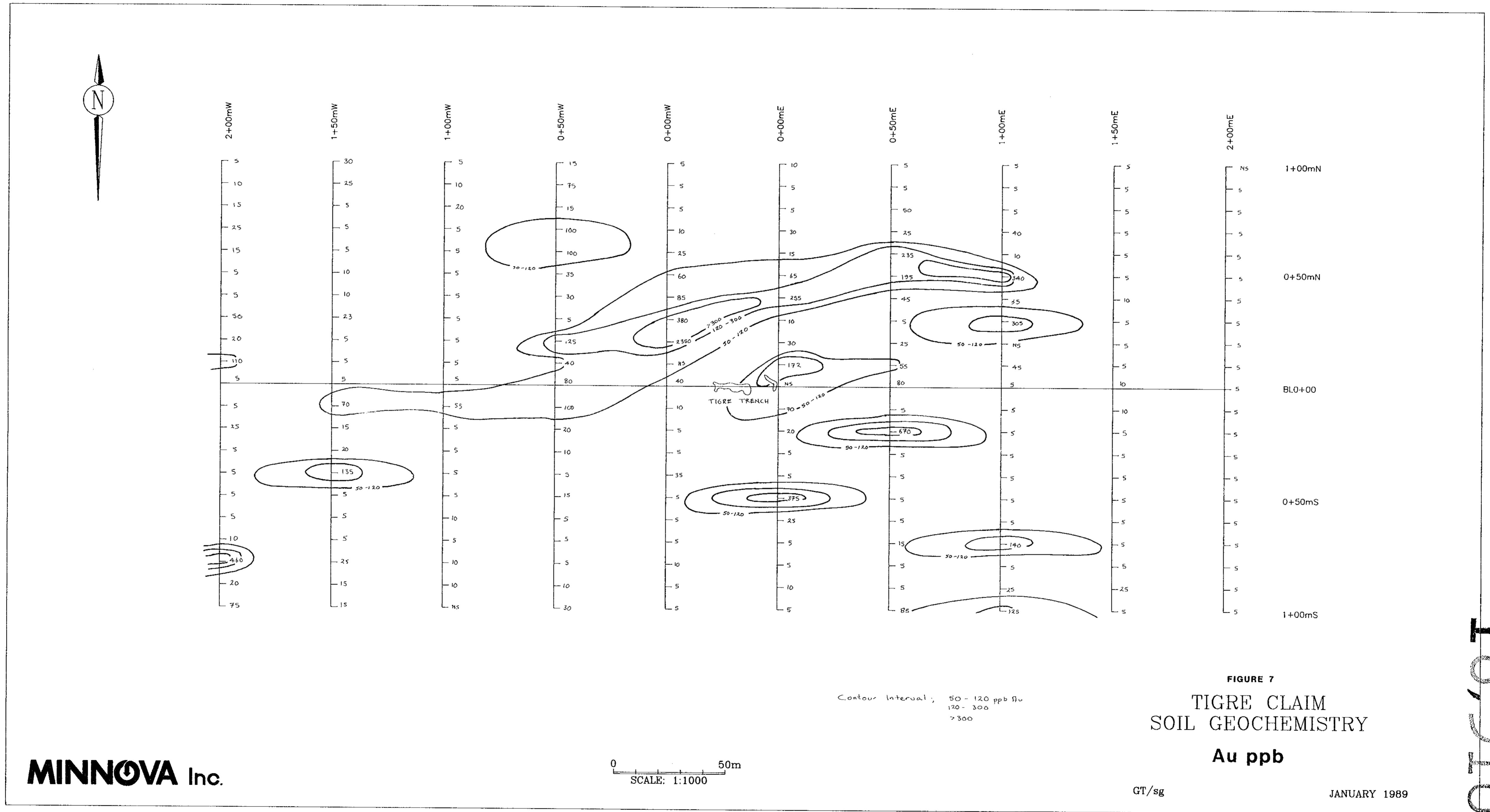
# **CLAIM & SAMPLE LOCATION MAP**

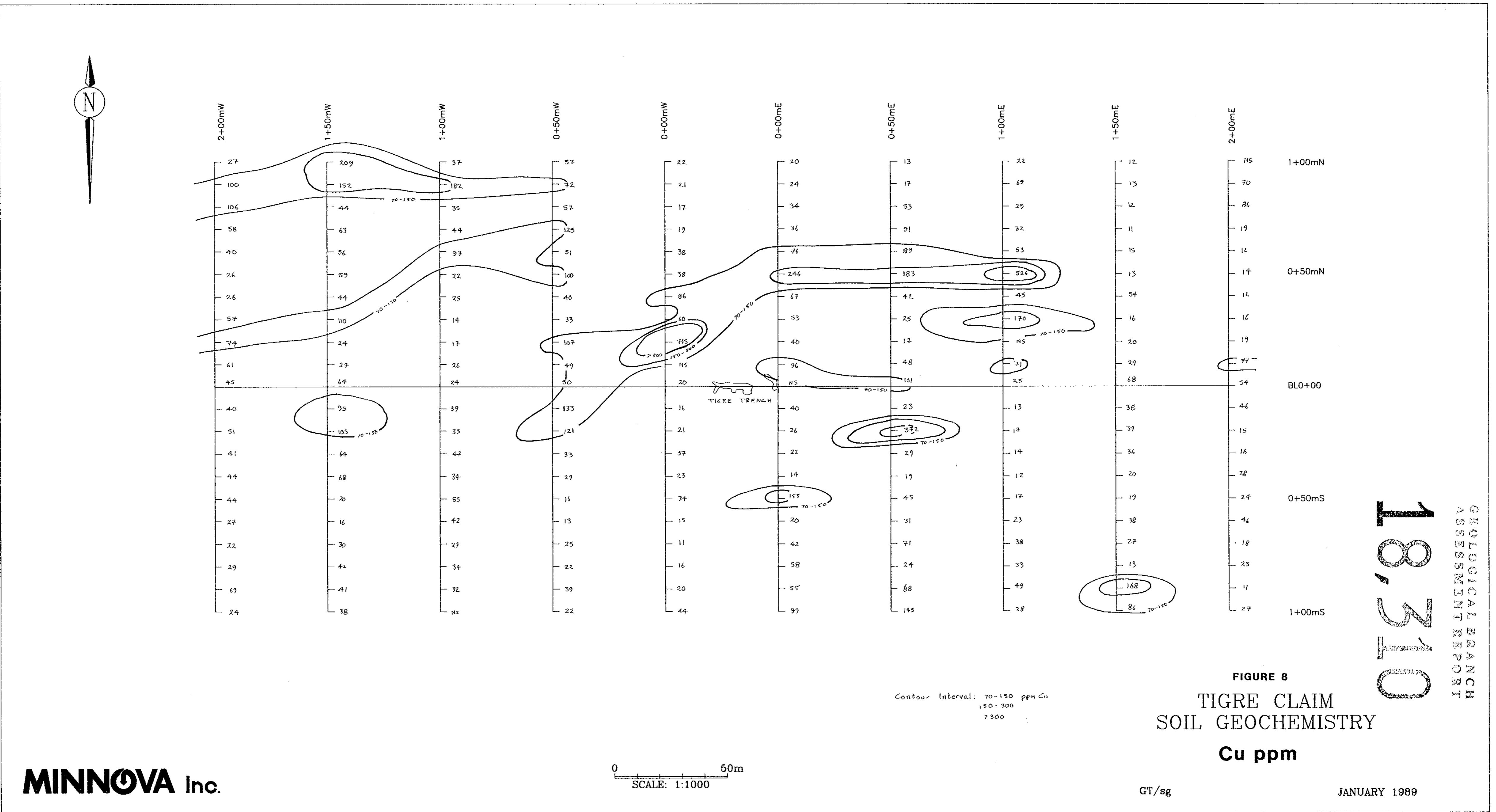
A scale bar at the bottom of the map shows distances of 0, 500, and 1000 meters. Below the scale bar, the text "S: E: 1:10,000" indicates the scale.

N.T.S. 82F/4
DRAWN BY: GT/sg
DATE: JAN. 1989

AP:

18,310





18310

**TIGRE CLAIM  
SOIL GEOCHEMISTRY**

**As ppm**

GT/sg

JANUARY 1989

Contour Interval . 200 - 500 ppm As  
500 - 1000  
> 1000

0 50m  
Scale 1:1000

