

GEOLOGICAL, GEOCHEMICAL & PHYSICAL WORK REPORT

ON THE J & L PROSPECT

(SAM, BURKE AND TOM CLAIM GROUPS)

REVELSTOKE MINING DIVISION

N.T.S. MAP 82M/8E

LATITUDE:  $51^{\circ}-17'$  NORTH

LONGITUDE:  $118^{\circ}-08'$  WEST

OWNER: Pivak Explorco Limited  
OPERATOR: Selco Inc.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**10,939**  
**PART 1 OF 2**

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## INTRODUCTION

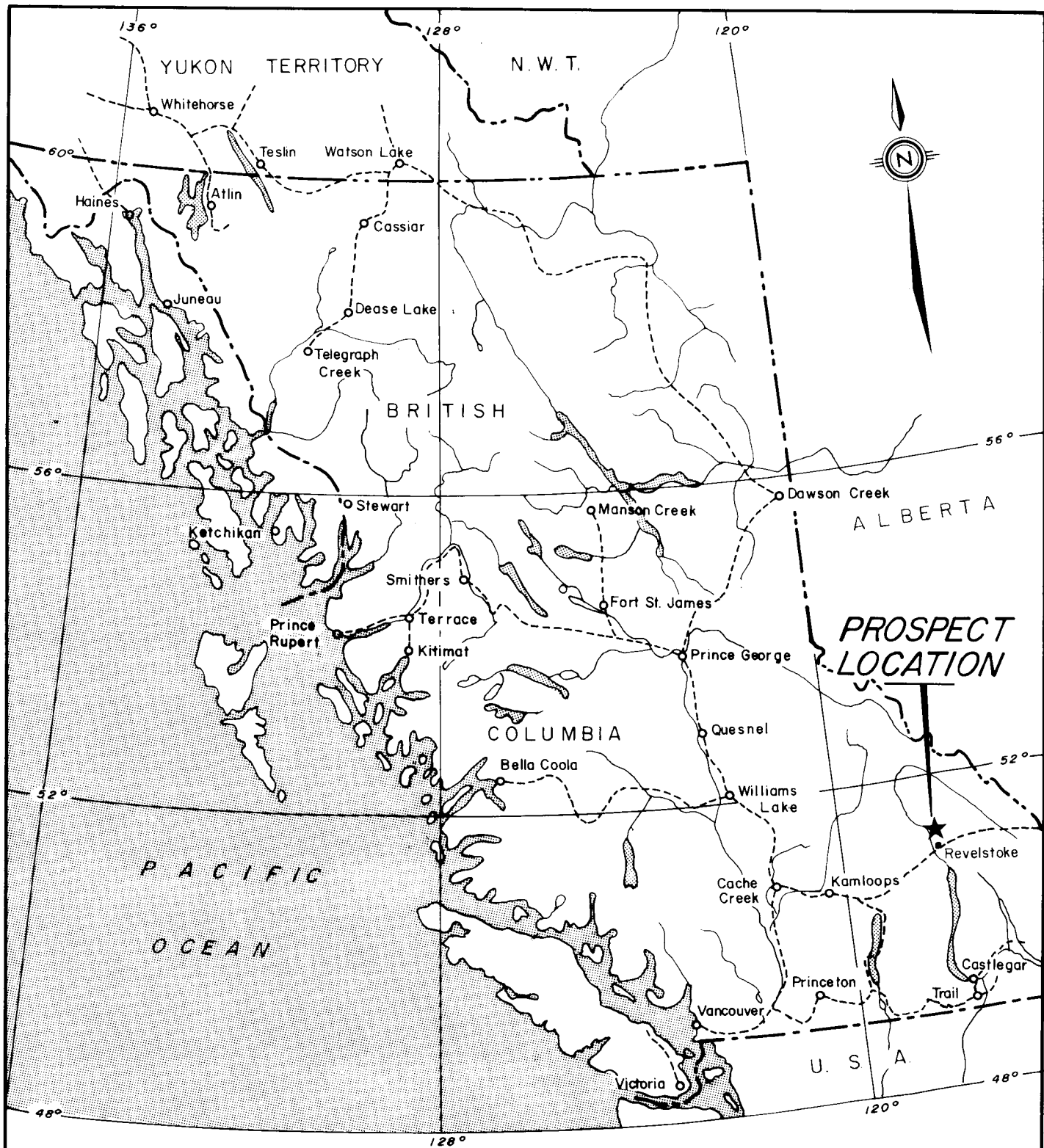
During the period of June 28th to September 26th, a field crew, consisting of 2 students and the author, completed a preliminary rock geochemical survey of the project area and a detailed geological and geochemical study of the known mineral occurrences. Road building and repair, bridge construction and line cutting was also completed during this time. The exploration target in this area is economic copper-lead-zinc-gold-silver mineralization.

## LOCATION, ACCESS, PHYSIOGRAPHY AND CLIMATE

The property is located along and north of Carnes Creek, approximately 32 air km north of the town of Revelstoke (see Figures 1 and 2), at latitude  $51^{\circ}17'N$  and longitude  $118^{\circ}08'W$ .

Access is provided by approximately 35 km of paved road (Highway #23), and then a rough 10 km bush road to the property. Helicopter service is also available from Revelstoke. Several overgrown walking trails are found within the property.

Maximum relief in the area of the property is 2,349 m (3,050 to 701 m). The old J & L adits are found at the 823 meter elevation (2,700 foot level) and the 975 meter elevation (3,200 foot level) respectively, and are accessible by trails. Access throughout most of the property is difficult and slow as the steep-sided valleys generally obtain slopes 30 to 40 degrees and are densely covered with rotting cedar and hemlock trees. Locally, windfall, deadfall, alders, devils club,



**SELCO INC.** EXPLORATION  
WESTERN CANADA

**J & L PROSPECT  
LOCATION MAP**



DRAWN BY R. P.	DATE DEC. 1982.		FIGURE 1
TRACED BY J. S.	DATE DEC. 1982.		

stinging nettles and second growth are extensive. Treeline is at, approximately, the 1980 meter elevation and permanent glaciers are found above 2286 meters. The property is fairly well drained to the south and east by Carnes and McKinnon Creeks and to the west by Kelly Creek.

Climatic conditions dictate a July to October field season. The winters are long and relatively mild with snowfall of between 1 and 4 meters. The mountainous terrain results in numerous snow and earth slides. The summers "usually" have a light rainfall and temperatures range from 16 to 30 degrees centigrade.

#### PROPERTY DEFINITION

The property consists of 10 crown granted claims, 4 two-post claims and 19 claim blocks (294 mineral claim units). See Figure 2.

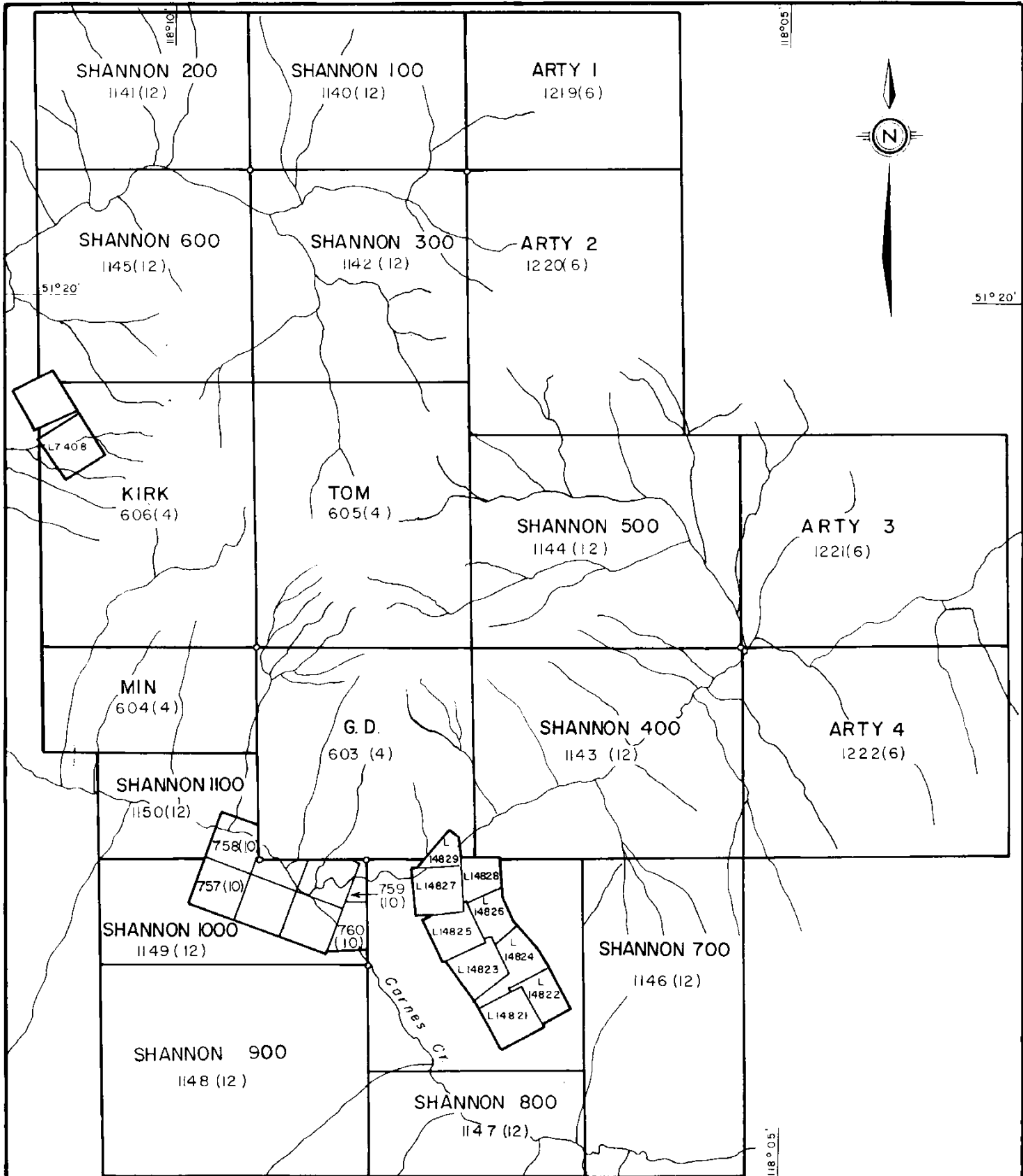
The crown granted claims, which are owned by Pivak Explorco Limited of Toronto, Ontario and recorded in the Vernon assessment district, are as follows:

<u>Name</u>	<u>Lot No.</u>
Goat Fraction	14821
Goat No.2 Fraction	14822
Goat No.3 Fraction	14823
Goat No.4 Fraction	14824
Goat No.5 Fraction	14825
Goat No.6 Fraction	14826
View Fraction	14827
View No.2 Fraction	14828
Creek Fraction	14829
Aberdeen	7408



Pivak Explorco Limited also owns 4 of the two-post claims and 19 of the claim blocks (294 mineral claim units) and they are as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>No.Units</u>	<u>Record Date</u>
Mary No.4	757	1	October 10, 1979
Mary No.5	758	1	October 10, 1979
Mary No.6	759	1	October 10, 1979
Mary No.7	760	1	October 10, 1979
G.D.	603	16	April 17, 1979
Min	604	8	April 17, 1979
Tom	605	20	April 17, 1979
Kirk	606	20	April 17, 1979
Arty 1	1219	12	June 10, 1981
Arty 2	1220	20	June 10, 1981
Arty 3	1221	20	June 10, 1981
Arty 4	1222	20	June 10, 1981
Shannon 100	1140	12	December 17, 1980
Shannon 200	1141	12	December 17, 1980
Shannon 300	1142	16	December 17, 1980
Shannon 400	1143	20	December 17, 1980
Shannon 500	1144	20	December 17, 1980
Shannon 600	1145	16	December 17, 1980
Shannon 700	1146	18	December 17, 1980
Shannon 800	1147	8	December 17, 1980
Shannon 900	1148	20	December 17, 1980
Shannon 1000	1149	10	December 17, 1980
Shannon 1100	1150	6	December 17, 1980



**SELCO INC.** EXPLORATION  
WESTERN CANADA

**J & L PROSPECT  
CLAIM MAP**



Scale 1:50,000

DRAWN BY H P	DATE DEC 1982	NTS	FIGURE
TRACED BY J S	DATE DEC 1982	82M/PE	2

HISTORY OF EXPLORATION

The area first became an exploration target after 1865 when placer gold was discovered in Carnes Creek and other creeks in the vicinity. Prospecting began in the late 1800's and the J & L Prospect was first staked in 1896. The area then was intensely prospected and by the early 1900's, there were over 20 base and precious metal prospects discovered. Three of these, the J & L (Au-Ag-Pb-Zn), the Roseberry (Au) and the A & E (Zn-Pb-Ag), are found within the property boundary.

The property was worked, intermittently, from the time of discovery to 1942. During this time, the underground development on the J & L consisted of a total of 495 feet of tunnelling and 2 inclined shafts which had a total length of 255 feet. The Number 1 zone was supposedly tested over a length in excess of 5000 feet (1524 meters) on surface, by 30 trenches and the Number 2 zone was tested over a length of 250 feet (76 meters) with 4 trenches. The Roseberry occurrence was tested by 895 feet of drifting and cross-cutting on 3 levels.

In 1934, T.E. Arnold acquired the claims.

In the early 1940's, Raindor Gold Mines extended the 3200 level adit to a length of 500 feet (152.4 meters), sank 2 shallow shafts and dug several surface tenches.

During the period 1962 to 1967, Weststairs Mines Limited carried out an exploration program which consisted of geological mapping, prospecting, trenching, underground exploration development and diamond drilling. The diamond drilling (1004 feet) was completed at the Roseberry and A & E prospects. A 320 foot cross-cut was driven north of the workings and the A & E 6000 foot level adit was driven to 265 feet, to facilitate drilling. They also completed 975 feet (297.18 meters) of underground development on the J & L Prospect, at the 2700 foot level. Weststairs drilled at least 10 diamond drill underground holes from within the 2700 foot level adit.

Pan American Energy Corporation of Vancouver optioned the claims in late 1980 and staked another 11 claim blocks (158 mineral units). Then, in June of 1981, Arnold had an additional 4 claim blocks (72 mineral units) staked. On December 16, 1981, Pivak Explorco Limited optioned the property.

The geology of the area has been studied twice by the G.S.C. In the mid 1920's, H.C. Gunning completed his work while in the early 1960's, J.O. Wheeler did his mapping. Numerous geological studies have been completed to the north of the property area. During July of this year, Geotext Consultants of Vancouver, under contract for the G.S.C., completed a quick geological survey of the area between Carnes Peak and McKinnon-Carnes Creeks.

The only significant producing mine in the area was the Mastodon Highland Bell (south of the J & L) which produced 6112 ounces silver, 180,334 pounds lead, 5,911,618 pounds zinc and 24,716 pounds Cadmium from 31,900 tons of ore.

The only potential producer in the area, at present, is the Goldstream massive sulphide deposit which was discovered in 1973 and is owned by Noranda Exploration Company Ltd. It is approximately 43 km north-north-west of the J & L property and has reserves (diluted) of 3.94 million tonnes grading 3.7% copper, 2.7% zinc and 0.56 ounces/tonne silver. The discovery of this deposit has increased exploration activity in this area in recent years.

#### WORK COMPLETED

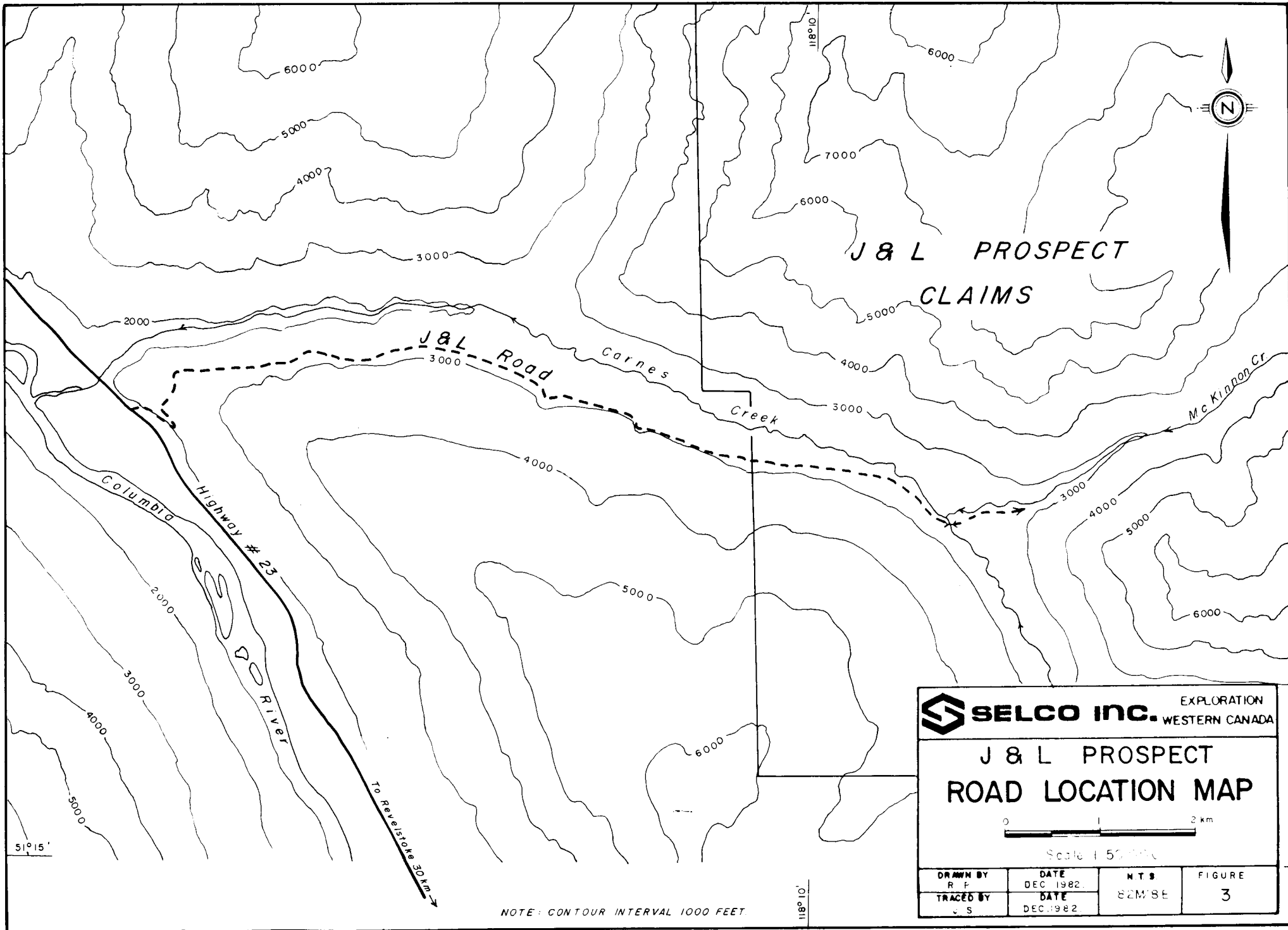
During the course of the field season, contractors cleared and smoothed 10 km of existing dirt road, built a wooden bridge across Carnes Creek and 5.48 km of new road and completed 9.991 km of grid lines on Goat Mountain (See Plan 1 , Figure 3). The geological crew completed geochemical reconnaissance traverses, cleaned out most of the old trenches and took 171 geochemical and assay rock samples (See Plans 2, 3 and 4). A total of 17 trenches and 8 showings were geologically mapped and chip sampled and an additional 3 trenches and 9 showings were chip sampled. All of the trenches and showings were tied in to the grid with the use of compass and topofill. (See Figure 4 and Plan 4).

PHYSICAL WORK

During late June of 1982, the 10 km bush road from Highway #23 to Carnes Creek was cleared of slide debris and fallen trees and slightly upgraded with a D7G Cat, by S. McKenzie Contracting Ltd. of Revelstoke, BC. The contractor also used a 518 Skidder to place logs across Carnes Creek, to provide walking access to the property. (See Figure 3).

During August, Amex Exploration Services Ltd. of Kamloops, BC was contracted to complete a control grid over the west side of Goat Mountain. During the course of 21-man days, a 2-man crew compassed, blazed, cut, flagged and chained 9.991 line km. This includes 2,400 meters along the base line which was cut at a bearing of  $E70^{\circ}S$ , 1,350 meters along the tie line which was cut parallel to the base line (276 meters to the west) and 6,241 meters along cross lines which were cut perpendicular to the base line, at intervals of 200 meters. Stations were chained in at intervals of 50 meters along the base and tie lines and 25 meters along the cross lines. Steep topography necessitated the shortening of many of the cross lines and was the probable cause of the tangential section of the base line on the south side of the grid. (See Figure 4 and Plan 1).

In September, Encampment Creek Lumber Ltd. of Revelstoke, BC constructed a wooden bridge across Carnes Creek, upstream of the confluence of McKinnon Creek. They also repaired the road from the



**J & L PROSPECT  
CLAIMS**

**SELCO INC.** EXPLORATION  
WESTERN CANADA

**J & L PROSPECT  
ROAD LOCATION MAP**



Scale 1:50,000

DRAWN BY R. F.	DATE DEC. 1982.	NTS 82M/8E	FIGURE 3
TRACED BY J. S.	DATE DEC. 1982.		

NOTE: CONTOUR INTERVAL 1000 FEET

bridge to the 823 meter adits, cleared a campsite (approximately 70 meters across) near the old J & L camp and a 30 meter wide helicopter pad on the south side of Goat Mountain and constructed 2 new access roads within the property. These new (3 meter wide) roads include 0.63 km upstream of the 823 meter adits along McKinnon Creek and 4.85 km upstream along Carnes Creek. (See Plan 1).

## GEOLOGY

### General Geology

The G.S.C. (Wheeler, 1963) has mapped the J & L Prospect within a north-west trending belt of metamorphic rocks of the Lardeau Group (Lower Cambrian and later). This belt is bordered on the west by the Columbia River Fault and the Shuswap Metamorphic Complex, on the south by a migmatite complex of the Shuswap Metamorphic Complex, on the north (approximately) by the Goldstream River and on the east by Downie Creek and sediments of the Hamill Group and the Badshot Formation. The Lardeau Group is comprised of slates, phyllitic siltstones, quartzites, schists and limestones. Wheeler has indicated the presence of numerous discontinuous beds of limestone, dolomite, phyllite and quartzite of the Badshot Formation (Lower Cambrian), several large granitic bodies (Post Lower Cambrian) and 2 small pods of Hamill Group (Lower Cambrian) quartzite within this large block of folded and faulted Lardeau metamorphic rocks. (See G.S.C. Map 12-1964).



During 1976 and 1977, Trygve Höy of the B.C.D.M. mapped and compiled the geology for the Goldstream area and he postulated that the geology consists of Hamill Group metasediments and metavolcanics and minor Horsethief Creek Group (Lower Paleozoic-Upper Paleozoic) metasediments and metavolcanics which have been intruded by several granitic bodies. These metasediments and metamorphics are intensely deformed and consist of quartzites, schists, phyllites, calc-schists and carbonates, which are interlayered with greenstone and chloritic phyllite. Tight to isoclinal north-trending folds are the dominant structure in the area.

If Hoy's interpretation, that the metavolcanics and metasediments belong to the Hamill rather than the Lardeau Group, is correct, then it would follow that the rocks within the J & L Prospect to the south also belong to the Hamill Group.

#### Property Geology

South to south-east striking, moderate to steep, east, dipping metavolcanics and metasediments of the Hamill Group(?) cover most of the property area. Outcrop exposure is poor to good, but the thick vegetation masks many exposures and the steep terrain limits access.

Intercalated sericite, quartz-sericite, quartz-chlorite and chlorite-quartz schists and quartzites are extensive within the investigated area. Within this thick unit of quartzites and schists are several discontinuous banded limestone beds, sequences of chlorite to chlorite-carbonate schists, graphite schists and beds of limestone-dolomite, carbonate and calcareous schists. A few chert beds were also noted.

Alteration of the country rocks consists of chloritization, which is quite extensive and sericitization.

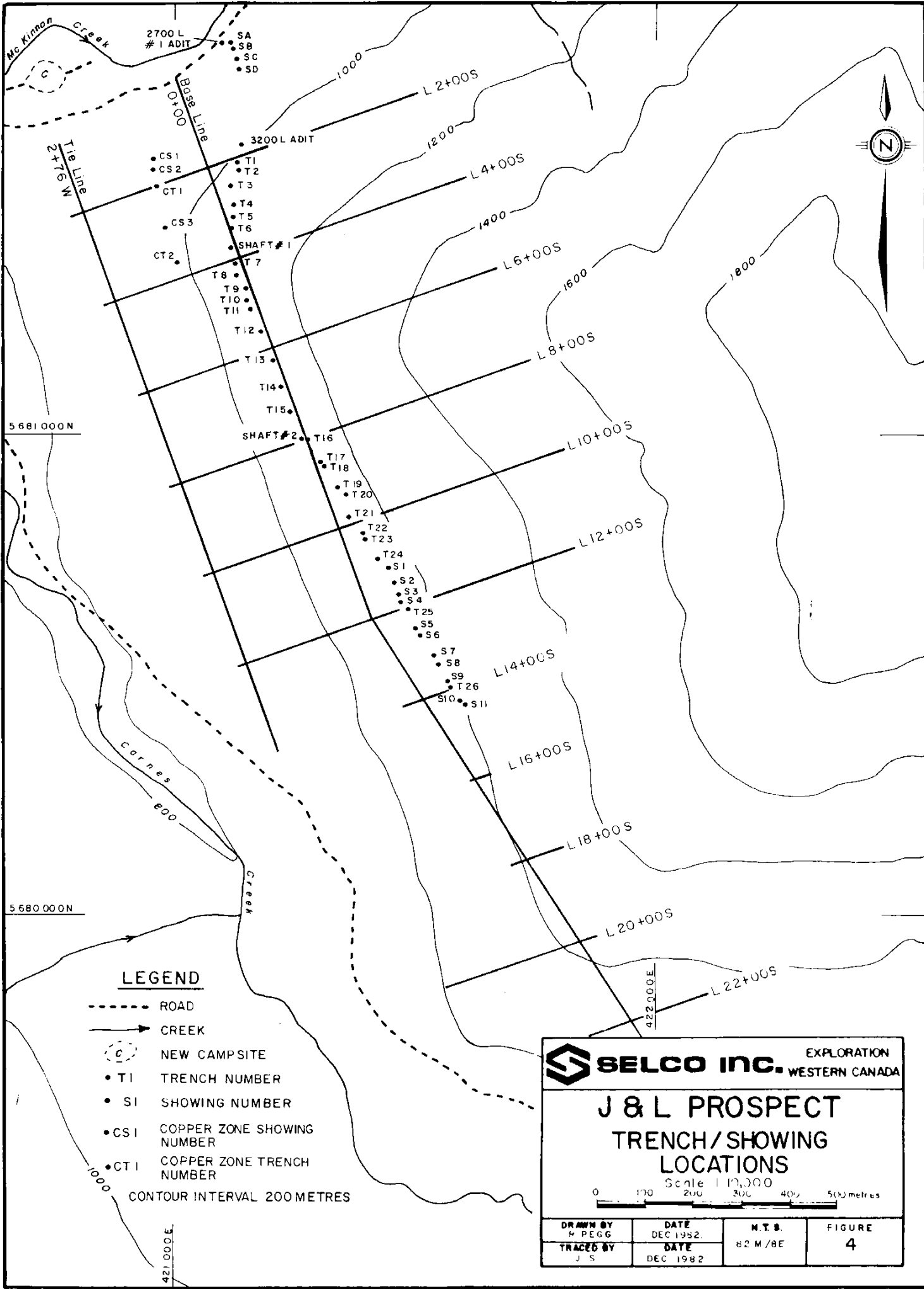
Tight to isoclinal folding is found throughout the property.

#### Detailed Surface Geology - Mineralized Zones

The significant mineralization, observed on the property, is represented by two mineralized zones, the Main Zone and the Copper Zone (See Figure 4). Most of the occurrences within the Main Zone were geologically mapped and chip sampled and the occurrences within the Copper Zone were chip sampled. The trench/showing sketches indicate the observed geology in the horizontal plane, indicated as "floor" and/or in the vertical plane which is indicated as "face".

##### a) Main Zone

A total of 26 trenches and 15 showings, along the Main Zone, were observed during the course of the field season. This zone was traced for approximately 1,450 meters horizontally



**LEGEND**

- ROAD
  - CREEK
  - (c) NEW CAMPSITE
  - T 1 TRENCH NUMBER
  - S 1 SHOWING NUMBER
  - CS 1 COPPER ZONE SHOWING NUMBER
  - CT 1 COPPER ZONE TRENCH NUMBER
- CONTOUR INTERVAL 200 METRES

**SELCO INC.** EXPLORATION  
WESTERN CANADA

**J & L PROSPECT  
TRENCH / SHOWING  
LOCATIONS**

Scale 1:10,000  
0 100 200 300 400 500 metres

DRAWN BY H PEGG	DATE DEC 1982	M.T.S.	FIGURE
TRACED BY J S	DATE DEC 1982	82 M/8E	4

and 377 meters (823 to 1200 m) vertically. A total of 19 trenches and 12 showings were cleared, chip sampled and/or mapped. (See Figures 5-29).

Generally, the mineral occurrences between the 975 meter elevation adit and Trench #22, consist of well weathered and oxidized bands of massive sulphides (arsenopyrite and pyrite) with a barren, blue-grey, banded limestone footwall and a quartz-sericite/chlorite schist hangwall. The limestone appears to pinch out between Trenches #22 and #23, where a thin, devitrified chert unit was observed on the footwall of the massive sulphides. South of Trench #22, the nature of the mineralization remains constant, but there is now a quartzite or quartz-chlorite schist footwall. The mineralization appears to pinch and swell along strike. Although the stratigraphy is masked by overburden between the showings, some bleached (sericite <sup>+</sup> talc) schist zones were noted.

The limestone is generally blue-grey in colour, crystalline in nature and well banded, with thin argillaceous layers occasionally found along the bedding planes. This unit is usually well jointed with a fine white fracture filling, occasionally hydrozincite (Trenches #11 and #17), but it is always barren with respect to sulphides. The limestone is generally coarse- to medium-grained

but fine-grained bands are found in Trenches #16 to #21. The bands are white to light/medium blue-grey, 2 to 12 cm in width and become less distinct within the fine-grained phase. The fine argillaceous partings are also less common within the fine-grained limestone. In Trenches #1 and #21, the limestone is dark blue-grey in colour, but has irregular light to medium blue-grey bands. The darker bands, which are fine-grained and argillaceous, do not eppervesce and may constitute up to 40% of the rock. Generally, this fine bedded limestone contains individual bands which rarely exceed 2 cm in width. Locally, in Trench #21, cross-cutting calcite veinlets were observed in an argillaceous limestone pod.

The chert unit was observed in Trenches #2, #21 and #23 as well as Showing #6. In Trench #2, the dark blue-grey, banded chert has the appearance of a silicified argillaceous limestone and is at least 0.4 meters thick, on the immediate massive sulphide footwall. In and to the south of Trench #21, an 8 cm thick bed of devitrified, banded chert was observed on the immediate footwall of the sulphide zone. This is the area where the limestone footwall terminated. In Trench #23, a light grey chert, with minor pyrite fracture filling, is found within the hangingwall of the ore zone. At Showing #6, a 1.2 meter thick, dark grey chert which is well fractured and

jointed, with local pyrite fracture filling, was observed directly below the sulphide zone.

The white to buff-white to light grey quartz-sericite schist forms part of the alteration zone and appears to be a sericitization and/or silicification of the quartz-chlorite schist, chlorite-quartz schist and quartzite units. The quartz is generally white to light grey in colour and is fine-grained. The sericite is found on the foliation planes and occasionally, due to heavy iron staining, can only be identified by the striations on the foliation planes. The foliation is fairly closely spaced, 1 to 3 millimeters apart. Talc is a common accessory mineral and this may result in a light green discoloration of the unit. The quartz-sericite schist is always found on the sulphide zone hangingwall and occasionally it separates the 2 or more sulphide zones (e.g. Trench #2). In Trenches #12 and #20, a thin (30 to 40 cm) band was observed on the immediate sulphide footwall and is underlain by the banded blue-grey limestone. This unit was also observed in the footwall at the showings, south of where the footwall limestone has terminated. This rock type is commonly heavily fractured and iron stained where adjacent to the sulphide bands and here, the sericite usually becomes the dominant essential mineral, for varying thicknesses. Minor chlorite may be present (e.g. Trench #18 and Showing #6), where the

chlorite content increases away from the sulphide zone. The varying thickness of the unit, from a few centimeters to more than 1 meter, does not appear to be related to the thickness of the massive sulphide zone.

The friable sericite schist unit is very incompetent, highly weathered and fractured and is found within the alteration zone on the hangingwall of the sulphide zone. The foliation planes have a very close spacing, usually less than 1 millimeter. The rock is generally a white to light grey colour on the fresh surface and talc maybe found as an accessory mineral. In Trenches #1, #11 and #19, it is found in the hangingwall, adjacent to the sulphide zone. In Trench #6, it is in the hangingwall, above a thin (a few centimeters) band of quartz-sericite schist and in Trench #17, the sericite schist is found in the hangingwall, above a 30 centimeter thick unit of quartz-sericite schist. Bands of sulphides (As + Py) or disseminations maybe present within the schist (e.g. Trench #1).

The chlorite schist unit, which was observed in the hangingwall in Trenches #5 and #15, is dark green in colour. This fairly incompetent rock contains minor quartz which is usually found in the form of elongated lenses. The foliations are very close and a heavy iron stain is found along the foliation planes.

The quartz-chlorite schist unit was observed as the immediate hangingwall in only 1 trench, #15. It is usually found overlying the quartz-sericite (+ chlorite) schist in the hangingwall. The schist is usually a medium to dark green colour on the fresh surface. The quartz is generally medium- to coarse-grained and has a green or brown discolouration which is probably due to a chlorite and/or iron contamination. The foliation is fairly close, generally 1-2 millimeters apart and is usually iron stained. Within the country rock, the quartz-chlorite schist is found intercalated with the quartzites and is commonly the dominant rock type.

The quartzites are buff white to grey on the fresh surface, compositionally clean, but are heavily iron stained. Within the trenches, the medium-to coarse-grained unit is relatively thin and well fractured. The fracture spacing is variable, 2 millimeters to 2 centimeters, and the fracture planes, within the alteration zone, are usually coated with iron oxide and sericite. Outside of the alteration zone, chlorite is the dominant fracture filling mineral. Quartzite is found in the hangingwall in Trenches #1 and #2 and in the footwall and hangingwall in the upper showings, where it appears to be relatively unaltered. At showings #6 and #11, minor arsenopyrite and pyrite fracture filling was observed.



The massive sulphide zones, which are the main exploration target at the property, contain varying quantities of megascopic sulphide mineralization which includes arsenopyrite, pyrite, galena, sphalerite and trace amounts of chalcopyrite. The sulphide zones, that were observed in the trenches and at the showings of the Main Zone, range from 166 to 1 centimeter thick. The number of individual sulphide zones at each occurrence varies from 1 to 4 and the average (accumulated sulphide zones at each location) thicknesses is 67.7 centimeters. Occasionally, the country rock between the sulphide zones or the hangingwall or footwall is mineralized with disseminated sulphides which are also of economic significance.

The massive sulphide zones, in the trenches, are usually heavily oxidized and leached and at several trenches they are so heavily oxidized that they are represented by a dark residual soil. At several locations, pods of massive sulphides are found in sharp contact with sulphide bands. (e.g. Trench #23 and Showings #3 and #6). At one location, Trench #21, a coarse limestone pod was observed within the sulphide zone and at Trench #20, medium-sized pods of sulphides were observed within the Quartz-Sericite Schist unit footwall. Evidence of drag folding is common.

The zones are usually found as blue-grey, arsenopyrite-pyrite-bearing, siliceous patches, bands and lenses within a quartz-sericite gangue. The rock is textureless and has abundant cavities, which probably represent leached sulphides, and is occasionally accompanied with a green scorodite stain or a yellow jarosite stain. The sulphide zones are fine-grained and irregular shaped, with apparent pinching and swelling along strike. The sulphide-bearing bands, within the sulphide zones, are generally thin, 0.2 to 1.0 centimeters, and discontinuous. These bands constitute between 5% and 80% of the massive sulphide zones. The distribution of the sulphides within the gangue is highly erratic.

The massive sulphide zone is also represented by bands that have no associated quartz-sericite gangue (e.g. Trenches #1, #12 and Showings A, #3, #6 and #7). The individual bands may exceed 1 meter in width (e.g. Trenches #1 and #26) and are rich in arsenopyrite. Most of the sulphides are fine-grained, but, occasionally, subhedral grains of arsenopyrite and pyrite were observed up to 8 millimeters across. The arsenopyrite is generally the dominant sulphide mineral and at a few locations (e.g. Showings #3, #6 and #7) the grains are fairly well rounded, while at other locations (e.g. Showing A) the grain size increases towards the upper and lower band contacts. The pyrite which is less common than the arsenopyrite, appears to decrease in abundance, but

increase in grain size towards the hangingwall contact (e.g. Trenches #1 and #12). A minor amount of pyrite cubes were found at the base of the massive sulphide zones at Showings #3, #6 and #7.

Bands and lenses of arsenopyrite and pyrite are also found within white quartz (e.g. Trench #20). These bands and lenses are generally thin, less than 1 centimeter wide, and make up, approximately, 5% to 10% of the massive sulphide unit.

Disseminations and fracture fillings of arsenopyrite and pyrite are found within silicified zones of the Quartz-Sericite Schist unit (e.g. Trench #24). These remobilized sulphides usually have a better quality crystal form.

The Copper Zone, which is approximately 150 to 180 meters to the west of the Main Zone, was exposed at 5 locations, 2 trenches and 3 showings (See Figure 4, Plan 4). Generally, except at CT<sub>2</sub>, narrow sulphide zones of massive arsenopyrite, with lesser amounts of pyrite and minor to trace amounts of chalcopyrite are found within sheared white quartzites of the Hamill Group(?). The southern most occurrence, CT<sub>2</sub>, contains only minor to trace amounts of disseminated pyrite within a sheared quartzite. At the other occurrences, the hangingwall

quartzites contain minor to trace amounts of disseminated arsenopyrite and pyrite, but the footwall rocks are relatively barren of sulphide mineralization (See Appendix V). Leaching processes have been active and the degree of mineralization appears low. This zone was traced for approximately 225 meters horizontally and 80 meters vertically.

## GEOCHEMISTRY

### Sampling

Rock (grab) samples were collected during the course of traversing the areas around the known massive sulphide mineralization (See Plans 2 and 3). The samples were collected to determine if the country rocks contained any significant amounts of microscopic mineralization. Chip sampling was also completed at most of the trench and showing locations, in order to determine the extent of the economic mineralization (See Plan 4 and Appendix IV and V).

### Analysis

The samples were shipped from Revelstoke to Chemex Labs Ltd. of North Vancouver for analysis. Most of the rock samples were geochemically analyzed for Pb, Zn, W, Sn and Bi, many for Ba, some for Cu and a few for Ag and Au.

The methods for geochemical analysis are as follows:

- Cu, Pb, Zn, Ag - nitric, perchloric acid digestion; Atomic absorption analysis.
- Sn, W - fusion, colourimetric analysis
- Au - aqua regia; acid digestion; Atomic Absorption analysis.
- Ba - perchloric-nitric-hydrofluoric acid digestion; Atomic Absorption analysis.
- Bi - perchloric, nitric acid digestion, hydrochloric acid, MIBK-aliquot 336 extraction; Atomic Absorption analysis.

Most of the chip samples were assayed for Cu, Pb, Zn, As,  $WO_3$ , Sn, Bi, Ag and Au. The methods for assaying are as follows:

- Cu, Pb, Zn, Ag, As, Bi - acid digestion; chemical analysis
- Sn - fusion, precipitation; Atomic Absorption analysis
- $WO_3$  - neutron activation
- Au - fire assay

One sample was collected for whole rock analysis and this was done by x-ray methods.

#### RESULTS AND INTERPRETATION

Leaching of the sulphides is quite evident, but the results of the chip sampling program are still quite significant.

Results of the chip sampling from the Main Zone, above the 975 meter adit, revealed an average grade of 0.07% Cu, 1.46% Pb, 0.84% Zn, 6.651% As, 0.001% WO<sub>3</sub>, <0.01% Sn, 0.008% Bi, 1.36 oz/t Ag and 0.254 oz/t Au over an estimated true width of 94 centimeters. This is a weighted, uncut average of the sulphide zone(s) plus appropriate mineralized wall rock zone(s) results.

The number of sulphide zones at each occurrence varies from 1 to 4 and their true widths varies from 1 cm (Showing #3) to 166 cm (Trench #17). The average accumulated sulphide zone width is 67.7 cm.

The quantity of each element varies considerably in the sulphide zones of the Main Zone. The arsenic content varies from 23.100% to 0.107%, the copper content from 0.40% to <0.01%, the lead content from 6.34% to 0.06%, the zinc content from 8.22% to 0.01%, the silver content from 5.73 to 0.19 oz/t and the gold from 0.998 to 0.030 oz/t.

The possibility of any correlation between the different elements was also investigated. The Pb:Ag ratio varied between 4.00:1 and 0.14:1 and averaged 1.17:1. The As:Au ratio averaged 76.22:1 and varied between 776.67:1 and 8.46:1. The Au:Ag ratio varied from 1.50:1 to 0.02:1 and averaged 0.25:1. Although there is a wide range in the Pb:Ag and As:Au ratio, there does appear to be a rough correlation.

There appears to be a downward dispersion of zinc and in some cases, lead into the footwall limestone, in the form of oxides along the fracture planes. This was observed at Trenches #2 and #11 and assumed from the results of Trenches #6, #12, #15, #16, #17 and #21.

It also seems that fine-grained galena and sphalerite is intermixed with the arsenopyrite, thus explaining why it was not noted during the geological mapping.

The Copper Zone results are relatively poor. The uncut, weighted average grade is 0.30% Cu, 0.04% Pb, 0.01% Zn, 12.594% As, 0.54 oz/t Ag and 0.052 oz/t Au over an estimated true width of 18.3 cm. The ranges of each element, at the occurrences, are as follows:

0.03% to 0.90% Cu, 0.02% to 0.10% Pb, <0.01% to 0.01% Zn, 8.090% to 18.300% As, 0.32 to 0.93 oz/t Ag and 0.030 to 0.072 oz/t Au.

TABLE I

RELATIONSHIPS OF ELEMENTS, ASSAY RESULTS(TRENCHES/SHOWINGS)

<u>Sample No.</u>	<u>Pb%</u>	<u>Ag oz/t</u>	<u>Pb:Ag</u>	<u>As%</u>	<u>Au oz/t</u>	<u>As:Au</u>	<u>Au:Ag</u>
18600	0.10	0.61	0.16:1	15.900	0.050	318.00:1	0.08:1
18608	0.55	0.75	0.73:1	11.200	0.272	41.18:1	0.36:1
18612	0.36	0.39	0.92:1	1.910	0.048	39.79:1	0.12:1
18613	3.11	1.95	1.59:1	16.500	0.624	26.44:1	0.32:1
18615	1.39	2.57	0.54:1	16.500	0.806	20.47:1	0.31:1
18618	0.10	0.19	0.53:1	4.210	0.048	87.71:1	0.25:1
18622	4.34	2.44	1.78:1	10.300	0.696	14.80:1	0.29:1
18625	4.74	2.77	1.71:1	9.490	0.228	41.62:1	0.08:1
18627	1.22	2.05	0.60:1	11.000	0.566	19.43:1	0.28:1
18630	< 0.01	0.07	0.14:1	1.010	0.003	336.67:1	0.04:1
18631	1.30	1.84	0.71:1	6.140	0.298	20.60:1	0.16:1
18632	0.64	0.76	0.84:1	0.843	0.040	21.08:1	0.05:1
18633	0.08	0.15	0.53:1	3.150	0.052	60.58:1	0.35:1
18636	0.07	0.28	0.25:1	1.620	0.080	20.25:1	0.29:1
18638	0.39	0.59	0.66:1	9.670	0.262	36.91:1	0.44:1
18639	0.29	0.64	0.45:1	5.230	0.252	20.75:1	0.39:1
18641	0.54	0.74	0.73:1	15.000	0.274	54.74:1	0.37:1
18642	1.42	2.65	0.54:1	12.100	0.382	31.68:1	0.14:1
18643	2.28	2.71	0.84:1	5.850	0.268	21.83:1	0.10:1
18644	0.54	0.65	0.83:1	3.330	0.092	36.20:1	0.14:1
18647	6.34	3.89	1.63:1	8.790	0.244	36.02:1	0.06:1
18649	1.17	1.06	1.10:1	6.410	0.198	32.37:1	0.19:1
18650	1.90	1.10	1.73:1	4.160	0.134	31.04:1	0.12:1
18652	0.64	0.84	0.76:1	11.800	0.320	36.88:1	0.38:1
18655	0.04	0.04	1.00:1	0.520	0.018	28.89:1	0.45:1
18656	0.02	0.07	0.29:1	0.141	0.006	23.50:1	0.09:1
18658	0.84	0.96	0.88:1	10.600	0.320	33.13:1	0.33:1
18659	2.78	2.21	1.26:1	5.850	0.192	30.47:1	0.09:1
18662	0.08	0.07	1.14:1	0.192	0.004	48.00:1	0.06:1
18663	1.63	0.91	1.79:1	12.100	0.388	31.19:1	0.43:1
18664	0.06	0.04	1.50:1	0.816	0.012	68.00:1	0.30:1



TABLE I - Continued

<u>Sample No.</u>	<u>Pb%</u>	<u>Ag oz/t</u>	<u>Pb:Ag</u>	<u>As%</u>	<u>Au oz/t</u>	<u>As:Au</u>	<u>Au:Ag</u>
18665	0.08	0.02	4.00:1	0.061	<0.003	20.33:1	0.15:1
18666	0.05	0.02	2.50:1	0.137	0.003	45.67:1	0.15:1
18667	1.31	0.95	1.38:1	17.200	0.690	24.93:1	0.73:1
18670	3.00	2.50	1.20:1	8.440	0.998	8.46:1	0.40:1
18671	2.84	1.78	1.60:1	1.230	0.040	30.75:1	0.02:1
18674	1.93	0.84	2.30:1	13.200	0.442	29.86:1	0.53:1
18675	3.32	1.67	1.99:1	0.937	0.026	36.04:1	0.02:1
18678	3.56	5.56	0.64:1	9.490	0.520	18.25:1	0.09:1
18686	0.01	0.03	0.33:1	1.920	0.003	640.00:1	0.10:1
18688	0.97	0.53	1.83:1	9.270	0.348	26.64:1	0.66:1
18689	0.65	0.51	1.27:1	1.600	0.050	32.00:1	0.10:1
18690	0.19	0.24	0.79:1	13.000	0.360	36.11:1	1.50:1
18691	0.01	0.03	0.33:1	0.360	0.008	45.00:1	0.27:1
18692	4.68	1.83	2.56:1	10.100	0.282	35.82:1	0.15:1
18693	0.14	0.08	1.75:1	1.600	0.028	57.14:1	0.35:1
18694	0.03	0.02	1.50:1	0.086	0.003	28.67:1	0.15:1
18695	0.01	0.02	0.50:1	0.100	0.003	33.33:1	0.15:1
18696	1.48	1.21	1.22:1	4.700	0.088	53.41:1	0.73:1
18698	0.07	0.03	2.33:1	0.993	0.003	331.00:1	0.10:1
18701	0.03	0.05	0.60:1	0.079	0.004	19.75:1	0.08:1
18703	<0.01	0.02	0.50:1	0.275	<0.003	91.67:1	0.15:1
18707	1.06	1.12	0.95:1	7.320	0.212	34.53:1	0.19:1
18708	0.04	0.05	0.80:1	3.130	0.012	260.83:1	0.24:1
18709	3.29	1.59	2.07:1	14.200	0.510	27.84:1	0.32:1
18710	0.10	0.06	1.67:1	1.500	0.016	93.75:1	0.27:1
18711	5.22	4.98	1.05:1	6.460	0.332	19.46:1	0.07:1
18712	0.08	0.05	1.60:1	1.290	0.008	161.25:1	0.16:1
18713	0.04	0.19	0.21:1	1.660	0.010	166.00:1	0.53:1
18715	0.18	0.08	2.25:1	4.660	0.006	776.67:1	0.08:1
18716	5.32	5.73	0.93:1	11.600	0.630	18.41:1	0.11:1
18717	1.16	2.13	0.54:1	7.280	0.270	26.96:1	0.13:1
18718	0.23	0.26	0.88:1	0.979	0.036	27.19:1	0.14:1
18720	0.42	0.51	0.82:1	3.330	0.092	36.20:1	0.18:1
18721	5.38	5.51	0.98:1	7.160	0.350	20.46:1	0.64:1
18722	0.51	0.47	1.09:1	3.140	0.068	46.18:1	0.14:1
18723	1.20	1.59	0.75:1	5.790	0.234	24.74:1	0.15:1

TABLE I - Continued

<u>Sample No.</u>	<u>Pb%</u>	<u>Ag oz/t</u>	<u>Pb:Ag</u>	<u>As%</u>	<u>Au oz/t</u>	<u>As:Au</u>	<u>Au:Ag</u>
18581	0.86	0.81	1.06:1	23.100	0.172	134.30:1	0.21:1
18584	0.09	0.07	1.29:1	1.250	0.012	104.17:1	0.17:1
18585	5.93	3.52	1.68:1	3.250	0.078	41.67:1	0.02:1
18725	0.05	0.32	0.16:1	18.300	0.040	457.50:1	0.13:1
18729	0.02	0.93	0.22:1	8.090	0.030	269.67:1	0.03:1
18732	0.03	0.34	0.09:1	12.400	0.072	172.22:1	0.21:1
18735	0.15	0.30	0.50:1	2.590	0.050	51.80:1	0.17:1
18736	0.02	0.03	0.67:1	0.908	0.012	75.67:1	0.40:1
18737	0.17	0.20	0.85:1	0.517	0.006	86.17:1	0.03:1
18739	0.06	0.48	0.13:1	0.107	0.030	3.57:1	0.06:1

Due to the small quantity of reconnaissance rock samples collected, no statistical analysis of the geochemical results was attempted. These samples were collected in an attempt to discover any microscopic mineralization on the property. The results did not reveal any significant values except from those samples taken at the old adits.

The values obtained in tungsten, tin, bismuth and barium do not appear to be at all significant.

#### CONCLUSIONS AND RECOMMENDATIONS

Although leaching processes have been very active and as a result the copper, lead, zinc, silver and gold values from the surface sampling appear to be significantly reduced, the results do indicate and confirm the presence of significant and economic stratabound mineralization on the property. Of the two zones, only the Main Zone is of economic importance, at this time.

It is recommended that the new roads on the property be surveyed and the adits at the 823 meter elevation be drained and cleaned in preparation for geologic mapping and sampling. It is also recommended that additional prospecting, trenching and mapping be performed in order to extend the Main Zone and locate the other previously known zones.



Respectfully submitted,

A handwritten signature in black ink, appearing to read "Rex Pegg", written over a horizontal line.

Rex Pegg, P.Eng

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APPENDICES

APPENDIX ISTATEMENT OF EXPENDITURES

## 1. Road from Highway #23 to Carnes Creek (approx. 10 km)

- cleared and repaired by D7G cat
  - 518 Skidder used to place logs across Carnes Creek for access to property.
- |   |                          |   |            |
|---|--------------------------|---|------------|
| - D7G Cat                               | 15 hours @ \$84.00/hour  | = | \$1,260.00 |
| - Swamper                               | 9 hours @ \$17.25/hour   | = | 155.25     |
| - 518 Skidder                           | 7.5 hours @ \$45.50/hour | = | 341.25     |
| - Lowbed (mob & demob of cat + skidder) |                          | = | 382.50     |

TOTAL COST = \$2,139.00

## 2. Bridge constructed over Carnes Creek

TOTAL COST = \$9,139.00

## 3. Repair of road from bridge to old adits, new roads upstream on McKinnon Creek and Carnes Creek, cleared campsite and helipad.

- D7G Cat 108 hours @ \$89.50/hour = \$9,710.75

## 4. Line cutting - 9,991 meters in 21 man days

TOTAL COST = \$9,198.00

TOTAL PHYSICAL WORK NOS.1-4 = \$30,186.75

## 5. Geochemical/Assay Analysis

## a) 8 rock samples

- geochemical analysis for Cu, Pb, Zn, Ag, W, Sn, Bi, Au
- cost of analysis - \$21.40/sample - 8 x \$21.40 = \$171.20
- sample preparation - \$2.50/sample - 8 x \$2.50 = 20.00

TOTAL COST = \$191.20

STATEMENT OF EXPENDITURES (continued)

## b) 1 rock sample

- whole rock analysis (%Na<sub>2</sub>O, K<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, LOI, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub>, MgO, CaO)
  - cost of analysis - \$30.00/sample - 1 x \$30.00 = \$30.00
  - sample preparation - \$3.25/sample - 1 x \$3.25 = 3.25
- TOTAL COST = \$33.25

## c) 77 rock samples

- assayed for Cu, Pb, Zn, As, WO<sub>3</sub>, Sn, Bi, Ag, Au
  - cost of analysis - \$58.00/sample - 77 x \$58.00 = \$4,466.00
  - sample preparation - \$3.75/sample - 77 x \$ 3.75 = 288.75
- TOTAL COST = \$4,754.75

## d) 54 rock samples

- geochemical analysis for Pb, Zn, W, Bi, Ba, Sn
  - cost of analysis - \$17.90/sample - 54 x \$17.90 = \$966.60
  - sample preparation - \$2.50/sample - 54 x \$2.50 = 135.00
- TOTAL COST = \$1,101.60

## e) 31 rock samples

- geochemical analysis for Cu, Pb, Zn, W, Sn, Bi
  - cost of analysis - \$14.65/sample - 31 x \$14.65 = \$454.15
  - sample preparation - \$2.50/sample - 31 x \$2.50 = 77.50
- TOTAL COST = \$531.65

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SUB-TOTAL = \$6,612.45

TOTAL COST OF ANALYSIS (LESS 10% DISCOUNT) = \$5,951.20

STATEMENT OF EXPENDITURES (continued)

## 6. Labour

- R.Pegg (Geological Engineer) 40 days @ \$94/day = \$3,760.00
- B.Bone (Student) 10 days @ \$50/day = 500.00
- S.McGillvray (Student) 30 days @ \$50/day = 1,500.00

TOTAL LABOUR COSTS = \$5,760.00

## 7. Helicopter (Bell 206 - Highland Helicopters Ltd.)

- 0.6 hours @ \$455.00/hour = \$249.00
- Fuel - 66.0 liters @ \$0.51/liter 33.66

TOTAL HELICOPTER COSTS = \$282.66

## 8. Camp costs

- 80 man days @ \$30.00/man day = \$2,400.00

TOTAL CAMP COSTS = \$2,400.00

## 9. Travel

- Vancouver to Revelstoke, return
  - truck, 2 days @ \$22/day = \$ 44.00
  - meals, 2 days = 50.00
  - gas = 100.00
  - motel room, 2 nights @ \$48.00/night = 96.00
  - truck rental for 40 days @ \$22/day = 880.00

TOTAL TRAVEL EXPENSES = \$1,170.00

## 10. Drafting, Compilation, Report Writing and Printing

TOTAL COST = \$1,700.00



STATEMENT OF EXPENDITURES (continued)

## 11. Specific dates worked in the field:

- R. Pegg - July 8, 24; August 5, 6, 9, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30; September 1, 2, 3, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 18, 20, 21, 22, 23, 24, 25, 26.
- S. McGillvray - July 8, 24; August 5, 6, 9, 15, 18, 19, 22, 24.
- B. Bone - August 17, 20, 23, 25, 26, 27, 28, 29, 30; September 1, 2, 3, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 18, 20, 21, 22, 23, 24, 25, 26.

TOTAL EXPENDITURES = \$47,450.61



APPENDIX IIROCK SAMPLE DESCRIPTIONSa) Geochemical Rock Samples

<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18551	chip, 1.1 m, massive As + Qtz.	2700 level, #1 Adit portal.
18552	chip, 1 m. Qtz-Ser. hangingwall	2700 level, #1 Adit portal.
18553	chip, 1 m. Chl-Ser. footwall	2700 level, #1 Adit portal.
18554	grab, Arg. Graph. Schist	2700 level, #2 Adit portal.
18555	grab, Calc. Graph. Schist	beside 2700 L rd., before power mag.
18560	grab, Cb schist	south side of McKinnon Creek.
18561	grab, Cb-Ser Schist	As above
18562	grab, Qtzite (gritty); Cb	North side of McKinnon Creek.
18563	grab, Calc. Graph-Ser. Schist	
18564	grab, Graph. Schist; tr. S.	
18565	grab, Calc. Schist	South of McKinnon Ck. (1000 m)
18566	grab, Lst. & Cb Schist (Graph)	As above
18567	grab, Chl-Qtz. Schist; Cb	North of McKinnon Creek (1000 m)
18568	grab, Cb (schistose)	As above
18569	grab, Qtz-Chl-Ser. Schist	Upstream on Carnes Ck.
18570	grab, Chl-Ser-Qtz. Schist	As above
18571	grab, Cb	As above
18572	grab, Cb-Chl-Ser Schist	As above
18575	grab, Qtzite; py	Goat Mtn.
18576	grab, Qtzite; chl	Goat Mtn.
18577	chip, Qtzite (sheared, oxid.)	Trench @ 1050 m elev., Goat Mtn.
18578	grab, Chl-Qtz Schist	Goat Mtn. (1200 m)
18579	grab, Qtzite + Chl-Qtz Schist	Goat Mtn. (1200 m)

Geochemical Rock Samples

<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18580	grab, Calc. Schist	Goat Mtn. (1230 m elev.)
18582	chip, 1 m, Qtz-Ser + Qtz-Chl + Qtz hangingwall.	Sb
18583	chip, 1 m, Qtz-Chl Schist footwall	Sb
18586	chip 1 m, Qtz-Ser. & Qtz-Chl-Ser hangingwall.	Sa
18587	grab, Qtzite	Ridge above Goat Mtn.
18588	grab, Cb-Graph Schist	As above
18589	grab, Lst + Cb (highly fract.)	As above
18590	grab, Chl Schist	As above (2050 m)
18591	grab, Chl-Cb Schist & Cb	As above
18592	grab, silicified Cb(?)	As above
18593	grab, Chl Schist; Cb, Bi	As above
18594	grab, Qtz-Chl-Ser. Schist	Goat Mtn. (1800 m)
18595	grab, Qtz-Chl Schist	Goat Mtn.
18596	grab, Qtzite & Qtz-Chl Schist	Goat Mtn. (1350 m)
18597	grab, Qtz-Ser. Schist	Goat Mtn. (1220 m)
18598	grab, Qtzite (cherty locally); As + Py.	L2+00S, 4+22E
18599	grab, Banded Lst.; tr. As	L2+00S, 0+25W
18702	chip, Qtz-Ser-Bi Sch.; Footwall 1 m.	CT1 (Cu Zone Trench #1) L2+00S, 1+13W (Trench)
18704	grab; Fe oxide & minor Py in Qtzite	L8+00S, 0+48W
18705	grab; hem.fract.filling in Qtzite	L12+00S, 2+96E
18706	grab; 2 m wide discon.Py Qtzite	Above Carnes Ck. Road, south end.
18714	chip, 1.0 m. F/w, chl-Qtz Sch.	Trench #24
18719	chip, 90 cm, F/w, chl-Qtz Sch.	Trench #25
18724	chip, 1.0 m, H/w, Qtz-Chl Sch.	Showing #2
18726	chip, 1.0 m, H/w Qtzite sheared, tr. sulph.	CS <sub>3</sub> (Cu Zone Showing #3)
18727	chip, 1.0 m, F/w Qtzite sheared, minor chl.	CS <sub>3</sub> (Cu Zone Showing #3)
18730	chip, 1.5 m, F/w (1.5 cm sheared Qtzite) + Chl-Qtz-Sch.	CS <sub>2</sub> (Cu Zone Showing #2)

Geochemical Rock Samples

<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18731	chip, 2.0 m, H/w Qtzite tr. As & Py.	CS <sub>2</sub> (Cu Zone Showing #2)
18733	chip, 1.5 m, H/w Qtzite, minor Py	CS <sub>1</sub> (Cu Zone Showing #1)
18734	chip, 1.9 m, F/w (0.5m Qtzite) + 1.4m Chl-Qtz. Sch.	CS <sub>1</sub> (Cu Zone Showing #1)
18603	chip, 70 cm, Qtz-Ser Schist Hangingwall	Trench 21
18604	chip, 70 cm, Lst. Footwall	Trench 21
18606	chip, 90 cm, Qtz-Ser-Chl Schist Hangingwall	Trench 16
18607	chip, 90 cm, banded Lst.Footwall	Trench 16
18610	chip, 60 cm, Qtz-Ser-Talc Schist Hangingwall.	Trench 6
18611	chip, 90 cm, Lst. Footwall	Trench 6
18614	chip, 40 cm, Arg. Lst. Footwall	Trench 1
18616	chip, 1.2 cm, Ser & Chl.Schist Hangingwall	Trench 15
18617	chip, 60 cm, banded Lst. Footwall	Trench 15
18619	chip, 85 cm, Qtz-Ser Sch.Hangingwall	Trench 20
18620	chip, 1.4 m, Qtz-Ser Sch. + Lst. Footwall	Trench 20
18621	chip, 1.2 m, Ser-Qtz-Chl-Talc Sch. Hangingwall	Trench 3
18623	chip, 1.0 m, Lst. Footwall	Trench 3
18624	chip, 70 cm, Ser, Chl, Qtz-Ser-Sch Hangingwall	Trench 5
18626	chip, 1.2 m, banded cryst. Lst. Footwall	Trench 5
18628	chip, 1.3 m, Lst. Footwall	Trench 11
18629	chip, 60 cm, Qtz-Ser + Chl. Sch. Hangingwall	Trench 11
18634	chip, 1.0 m, Lst. Footwall	Trench 19
18635	chip, 60 cm, Ser. Schist, Hanging- wall	Trench 19
18637	chip, 1.0 m, Lst. Footwall; Zn Co	Trench 17
18640	chip, 1.0 m, Ser.Sch Hangingwall, Talc	Trench 17

Geochemical Rock Samples

<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18645	chip, 85 cm, Qtz-Ser & Chl Sch. Hangingwall	Trench 7
18646	chip, 45 cm, banded cryst., Lst. Footwall	Trench 7
18648	chip, 65 cm, sil.Lst.(chert) Footwall; ZnCo	Trench 2
18651	chip, 1.1 m, Lst & Qtz-Ser Sch. Footwall	Trench 12
18653	chip, 1.0 m, Qtz-Ser-Talc & Chl Sch. Hangingwall	Trench 12
18654	chip, 1.2 m, Qtz-Ser Sch. Hanging- wall (weathered)	Trench 2
18657	grab, 0.3 m, dissem. As & Py in Qtzite	L10+00S, 1+45E
18660	chip, 0.8 m, F/W Qtz-Ser & Qtz- Chl Sch.	Showing #8
18661	chip, 1.1 m; H/W Chl Qtzite & Qtz-Chl Sch. & Qtz-Ser. between sulphides	Showing #8
18668	chip, 0.6 m, F/W heavily oxidized Qtz-Ser Sch.	Trench 26
18669	chip, 0.9 m, H/W Qtz-Talc-Ser Sch.	Trench 26
18672	chip, 0.6 m, H/W Qtz-Ser Sch. & Qtzite	Showing #7
18673	chip, 0.5 m, F/W Qtz-Ser Sch. & Qtz-Chl Sch.	Showing #7
18676	chip, 1.3 m, F/W Silicified Schist	Showing #6
18677	chip, 1.0 m, H/W Talc & Ser-Qtzites	Showing #6
18679	chip, 1.0 m, F/W Qtz-Ser(?), Schist heavy Fe staining.	Showing #3
18685	chip, 1.0 m, F/W Qtz-Ser <sup>±</sup> Chl Schist	Trench #23
18691	chip, 1.0 m F/W Sericitic zone, well weathered	Showing #9
18697	chip, 1.0 m, H/W Qtz-Ser; 1 small lens with Pbs	Showing #5
18699	chip, 1.0 m, F/W Qtz-Ser zone	Showing #4
18738	chip, 1.0 m, H/W, Chl-Qtz Schist	Showing 'D'

b) Assay Rock Samples (chip samples)

<u>Sample No.</u>	<u>Description</u>	<u>Location</u>
18581	10 cm massive As + Qtz	Showing B
18584	dissem(1 m) footwall (Qtz-chl-ser)	Showing A
18585	11 cm massive As + Qtz & PbS	Showing A
18608	0.75 cm, massive As & Py	Trench 12
18612	2.2 m, dissem. Sch Hangingwall	Trench 1
18613	1.2 m, mass. As + Py	Trench 1
18615	60 cm, Sulphides (soil + minor rock)	Trench 15
18618	0.9 m, Qtz + As + Py, massive	Trench 20
18622	0.66 m, Sulphides (soil + rock)	Trench 3
18625	12 cm, Sulphides (soil + minor rock)	Trench 5
18627	95 cm, massive As + Py + Scor; oxid.	Trench 11
18630	45 cm, dissem. As + minor Py; Hangingwall	Trench 20
18631	1 m, upper sulphide zone	Trench 21
18632	60 cm, lower sulphide zone (soil)	Trench 21
18633	12 cm, dissem. As in Qtz-Ser-Sch hangingwall	Trench 21
18636	20 cm, oxidized sulphides (soil)	Trench 19
18638	60 cm, oxidized sulphides (soil)	Trench 17
18639	30 cm, dissem. in Qtz-Ser- <sup>+</sup> Talc hangingwall	Trench 17
18641	90 cm, upper sulphides (oxid.)	Trench 16
18642	70 cm, lower sulphides (soil + rock)	Trench 16
18643	33 cm, sulphides (soil)	Trench 7
18644	65 cm, dissem. sulphides, Hanging-wall, Qtz-Ser-Sch.	Trench 7
18647	60 cm, sulphides (oxid; Scor + Jar.)	Trench 6
18649	95 cm, lower sulphides (soil)	Trench 2
18650	95 cm, (over 2.05 m-3 zones) sulphides	Trench 2

Assay Rock Samples (chip samples)

<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18652	65 cm, sulphides (As & Py)	Trench 12
18655	38 cm, dissem.sulphides in chl sch.	to north of Trench 10
18656	50 cm, oxidized sulphides	8 m west of L4+00S, 0+50E
18600	Massive As, minor Py & Cpy, 10 cm	CT <sub>1</sub> (Cu zone Trench #1)
18701	Dissem.in qtzite Hangingwall west half, 1.0 m	CT <sub>1</sub> (Cu zone Trench #1)
18703	Dissem.in qtzite Hangingwall east half, 1.0 m	CT <sub>1</sub> (Cu zone Trench #1)
18658	Massive As & Py + dissem.in Sch.	Trench 23
18659	As, Py & Pb in qtz & mud; 2 zones	Showing #8
18662	As & Py dissem.in H/W Qtzite	Showing #11
18663	As & Py & Pb(?) in 3 zones ( $\approx$ 0.45 m)	Showing #11
18664	Dissem. As & Py (1.1 m) F/W	Showing #11
18665	Dissem. As & Py in Qtzite (1.2 m)	Showing #11
18666	Dissem. As, Py & Pb(?) in Qtzite (1.2 m)	Showing #11
18667	Sulphide zone (0.4 m)	Trench 26
18670	Lower sulphide zone (Py & minor As) 0.6 m	Showing #7
18671	Upper sulphide zone (Py, Mt, Cu, As) 0.8 m	Showing #7
18674	Sulphide Pod & Band (As, Py & Pb) 1.0 m	Showing #6
18675	F/W chert; Py, Scorodite, 1.5 m	Showing #6
18678	Massive As, Py & Scorodite 0.4 m	Showing #3
18686	H/W dissem. Py & As 0.8 m	Trench #23
18688	Well oxidized & weathered M.S. 20cm	Showing #9
18689	Sericitic zone between 2 M.S. 80 cm	Showing #9
18690	Well oxidized & weathered M.S. 10cm	Showing #9
18692	Massive As + minor Py; tr PbS 5 cm	Showing #10
18693	Dissem.sulphides in Qtz-Ser Zone (H/W) 70 cm	Showing #10
18694	Dissem.Qtz-Ser Sch H/W 1.0 m	Showing #10

Assay Rock Samples (chip samples)

<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18695	Dissem. Qtz-Chl Sch. F/W 1.0 m	Showing #10
18696	Massive As & minor Py & Qtz 60 cm	Showing #5
18698	Dissem. clean Qtzite (F/W) 1.0 m	Showing #5
18707	M.S. well oxidized & weathered 15 cm	Showing #4
18708	M.S. pod (As & Py) 0.45 m	Trench #23
18709	M.S. (As & Py) lower zone 0.3 m	Trench #24
18710	sil., dissem. Qtz-Ser between M.S. 2.35 m	Trench #24
18711	Upper M.S. zone 0.3 m	Trench #24
18712	Dissem., Qtz - Ser zone H/W 0.4 m	Trench #24
18713	Dissem., Qtz-Ser F/W 0.5 m	Trench #24
18715	Dissem., Qtz-Ser <sup>+</sup> Chl, bleached F/W 2.0 m	Showing #2
18716	M.S.; As + minor Qtz; upper zone 17 cm	Showing #4
18717	Qtz-Ser; dissem. H/W 1.0 m	Showing #4
18718	Qtz-Ser <sup>+</sup> Chl F/W between 2 zones, dissem. 1.5 m	Showing #4
18720	Dissem. As & Py in dominant Qtz 65 cm	Trench #25
18721	M.S. (lower zone) As + Py 70 cm	Showing #2
18722	Qtz-Ser between 2 M.S., dissem. 1.0 m	Showing #2
18723	M.S. zone (upper) Qtz gangue 60 cm	Showing #2
18725	M.S. (As + minor Py & CPy) cherty & ser. gangue 18 cm	CS <sub>3</sub> (Cu zone Showing #
18729	As & Py stringers & lenses in sheared Qtzite 28 cm	CS <sub>2</sub> (Cu zone Showing #2
18732	2 zones (As & Py) + Qtz-Ser gangue between 53 cm	CS <sub>1</sub> (Cu zone Showing #1
18735	Cherty Qtz, dissem. & patchy As & Py 1.8 m	Showing 'C' (Sc)
18736	Cherty Qtz, dissem. & patchy As & Py 1.8 m	Showing 'C' (Sc)



Assay Rock Samples (chip samples)

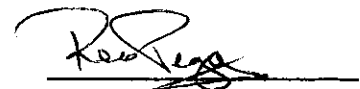
<u>Sample No.</u>	<u>Sample Description</u>	<u>Location</u>
18737	Layers & lenses of As & Py in qtz 30 cm	Showing 'C' (Sc)
18739	Py & As in cherty qtz 30 cm	Showing 'D' (Sd)

APPENDIX IIISTATEMENT OF QUALIFICATIONS

I, Rex S. Pegg of 203-2265 West 3rd Avenue, in the city of Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. That I am an exploration geologist employed by Selco Inc. which has its office located at 403-535 Thurlow Street, Vancouver, BC V6E 3L2.
2. That I am a graduate of the University of Toronto, located in Toronto, Ontario, where I obtained a Bachelor of Applied Science degree in Geological Engineering (Exploration Option) in 1976.
3. That I am a registered member, in good standing, of the Association of Professional Engineers of the Province of British Columbia.
4. That I have practised my profession as a geologist for the past seven years.
5. That I have supervised the geological and geochemical field work.
6. That I have no direct, or indirect, interests in any of the mineral claims, or in any of the securities held by Selco Inc., nor do I expect to receive any.

Dated this 16th day of December, 1982

  
Rex Pegg, P.Eng



APPENDIX IV

TRENCHES/SHOWINGS OF THE MAIN ZONE

Average Grades and Sketches

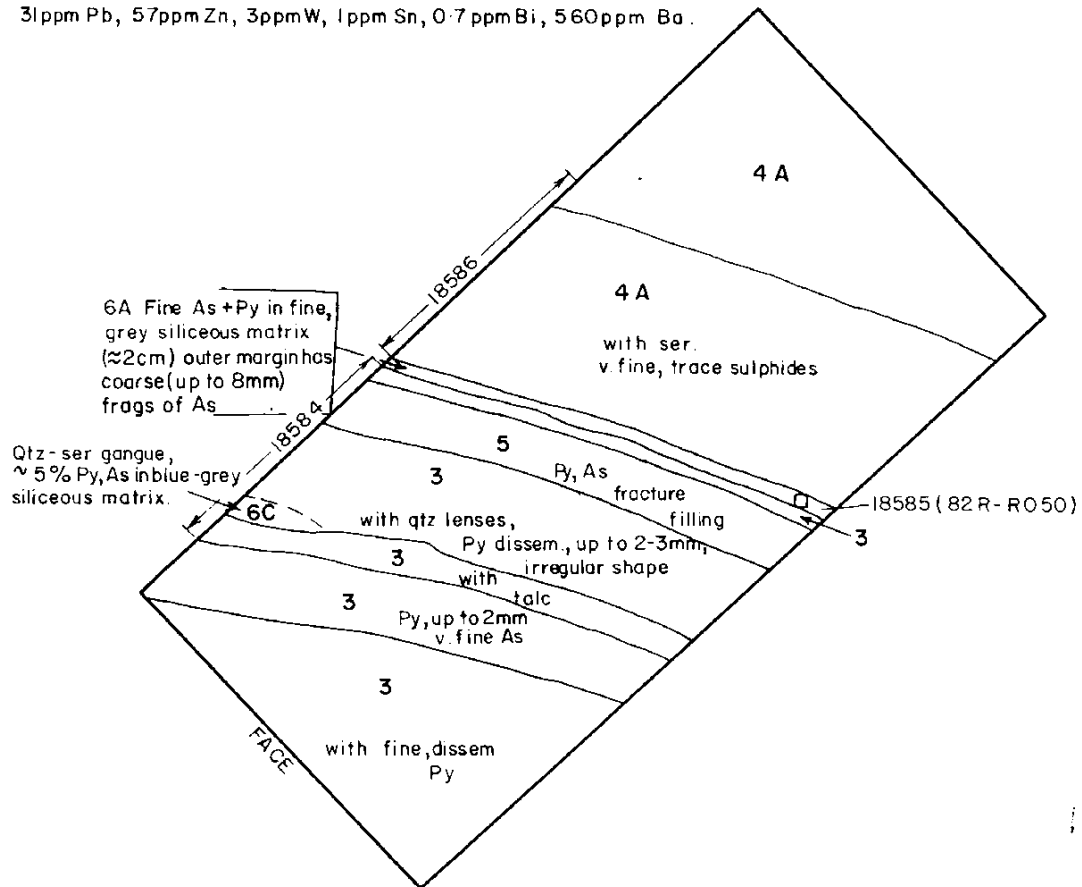
Geology and Geochemistry

SHOWING 'A'

- there is 1 sulphide zone (Sample #18585) which is 3 cm wide as well as a small sulphide lense within the footwall schist.
- (estimated true width)
  - 1) average (#18585 and #18584) over 57 cm
    - = 0.01% Cu, 0.40% Pb, 0.27% Zn, 1.355% As, 0.001% WO<sub>3</sub>
    - <0.01% Sn, 0.004% Bi, 0.25 oz/t Ag, 0.015 oz/t Au.

	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz/t Ag	oz/t Au
18584 :	<0.01	0.09	0.06	1.250	0.001	<0.01	0.004	0.07	0.012
18585 :	0.07	5.93	4.11	3.250	<0.001	<0.01	0.008	3.52	0.078

18586 : 31ppm Pb, 57ppm Zn, 3ppmW, 1ppm Sn, 0.7 ppmBi, 560ppm Ba.



### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location

← 18613 → Chip Sample Location



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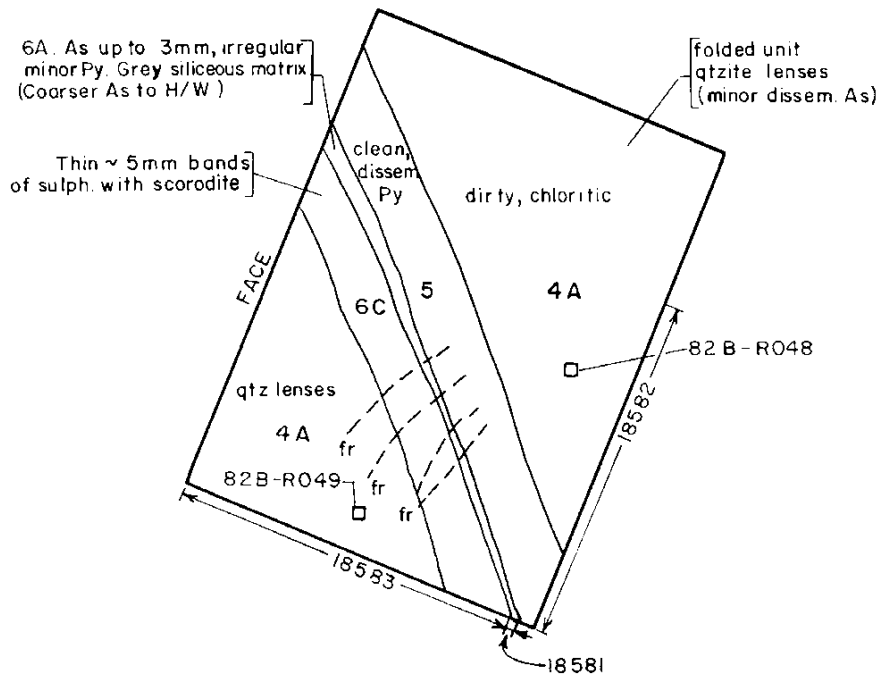
J & L PROSPECT  
SHOWING 'A'

0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT 1982	N. T. S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M /8E	5

SHOWING 'B'

- there is 1 sulphide zone (#18581 + part of #18583) which is 17 cm wide.  
(estimated true width)



18581 : 0.02 % Cu, 0.86 % Pb, 0.87 % Zn, 23.100 % As, <0.002 %  $WO_3$ , <0.01 % Sn, 0.013 % Bi, 0.81 oz/t Ag, 0.172 oz/t Au

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18582 :	1450	91	1	1	2.6	480
18583 :	16	161	1	2	0.3	420

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz  $\pm$  feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz  $\pm$  sericite  $\pm$  talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides  $\pm$  scorodite  $\pm$  graphite
- 7 Chert colour variable, light grey  $\rightarrow$  dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location

←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

## J & L PROSPECT SHOWING 'B'

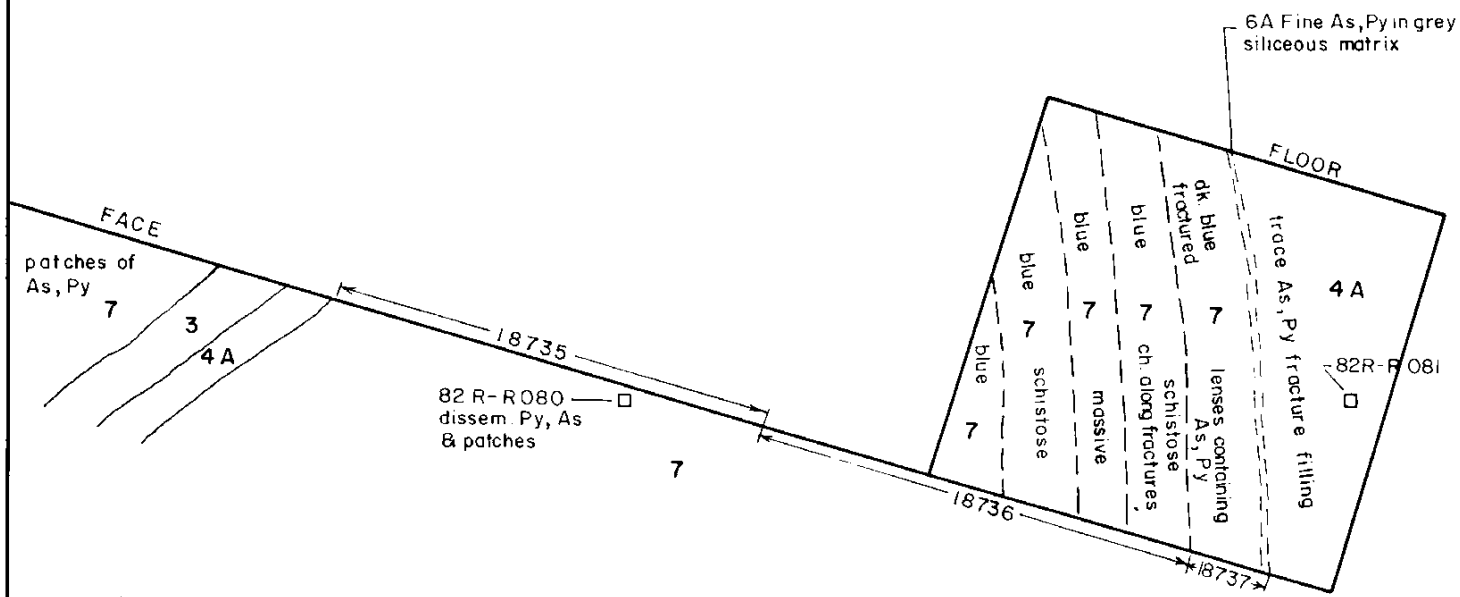


DRAWN BY B. B.	DATE SEPT 1982	N.T.S.	FIGURE 6
TRACED BY J. S.	DATE OCT. 1982	82M /8E	

SHOWING 'C'

- there is 1 sulphide zone (part of #18737) which is approximately 2 cm wide (estimated true width)
- the footwall chert is mineralized
- grades are very poor





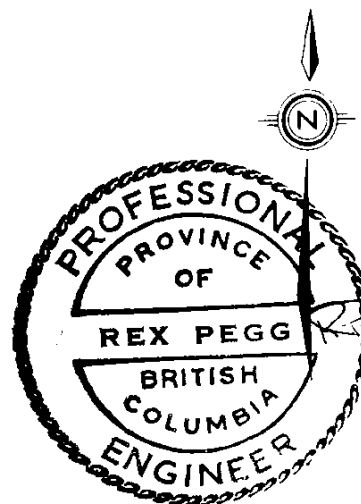
	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz / t Ag	oz / t Au
18735 :	0.01	0.15	0.65	2.590	<0.001	0.01	0.003	0.30	0.050
18736 :	<0.01	0.02	0.03	0.908	0.001	0.01	0.002	0.03	0.012
18737 :	0.01	0.17	0.06	0.517	0.001	0.01	0.002	0.20	0.006

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+ Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location

←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
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## J & L PROSPECT SHOWING 'C'

0 50 100 150 cm

DRAWN BY	DATE	N. T. S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82 M / 8 E	7

SHOWING 'D'

This occurrence consists of a poorly mineralized sulphide zone which is overlain by a chlorite-quartz schist.

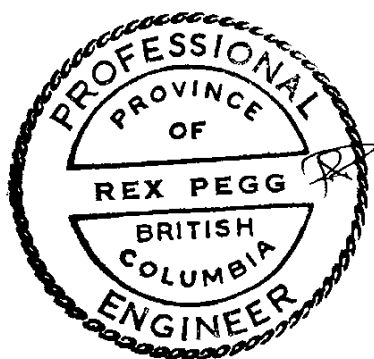
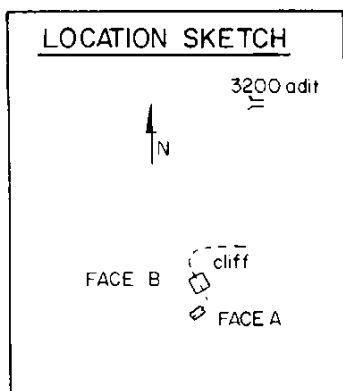
The barren hangingwall is a chlorite-quartz schist which is sericitic over its bottom 15 cm. The sulphide zone is comprised of cherty quartz with minor disseminated arsenopyrite and pyrite. Within this sulphide zone is a lower 4 cm zone that contains greater than minor amounts of fine-grained arsenopyrite and medium-to coarse-grained pyrite and an upper 2 cm zone of coarse-grained pyrite. The footwall is poorly exposed and consists of a cherty quartzite with minor to trace amounts of disseminated sulphides. The schistosity of the rocks at this exposure is  $349^{\circ}/38^{\circ}\text{NE}$ .

<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width (cm)</u>	<u>Results</u>
18738	hangingwall	62	50 ppm Cu, 1 ppm Pb, 63 ppm Zn, 1 ppm W, 1 ppm Sn, 1.2 ppm Bi
18739	zone	18	0.03% Cu, 0.06% Pb, 0.01% Zn, 0.107% As, < 0.001% $\text{WO}_3$ , < 0.01% Sn, 0.010% Bi, 0.48 oz/tAg, 0.030 oz/tAu

TRENCH #1

- there are 3 sulphide zones
  - upper zone (#18612) which is 7 cm wide
  - country rock (#18612) which is 21 cm wide
  - middle zone (#18612) which is 3 cm wide
  - country rock (#18612) which is 42 cm wide
  - lower zone (#18613) which is 54 cm wide
  - (estimated true widths)
- 1) over a width of 100 cm (Sample #18613 + 46 cm of #18612)
  - = 0.03% Cu, 1.85% Pb, 0.69% Zn, 9.789% As, 0.001% WO<sub>3</sub>,
  - <0.01% Sn, 0.006% Bi, 1.23 oz/t Ag, 0.359 oz/t Au.
- 2) over a width of 188 cm (Sample #18612 + #18613)
  - = 0.02% Cu, 1.15% Pb, 0.38% Zn, 6.101% As, 0.001% WO<sub>3</sub>,
  - <0.01% Sn, 0.005% Bi, 0.84 oz/t Ag, 0.213 oz/t Au.

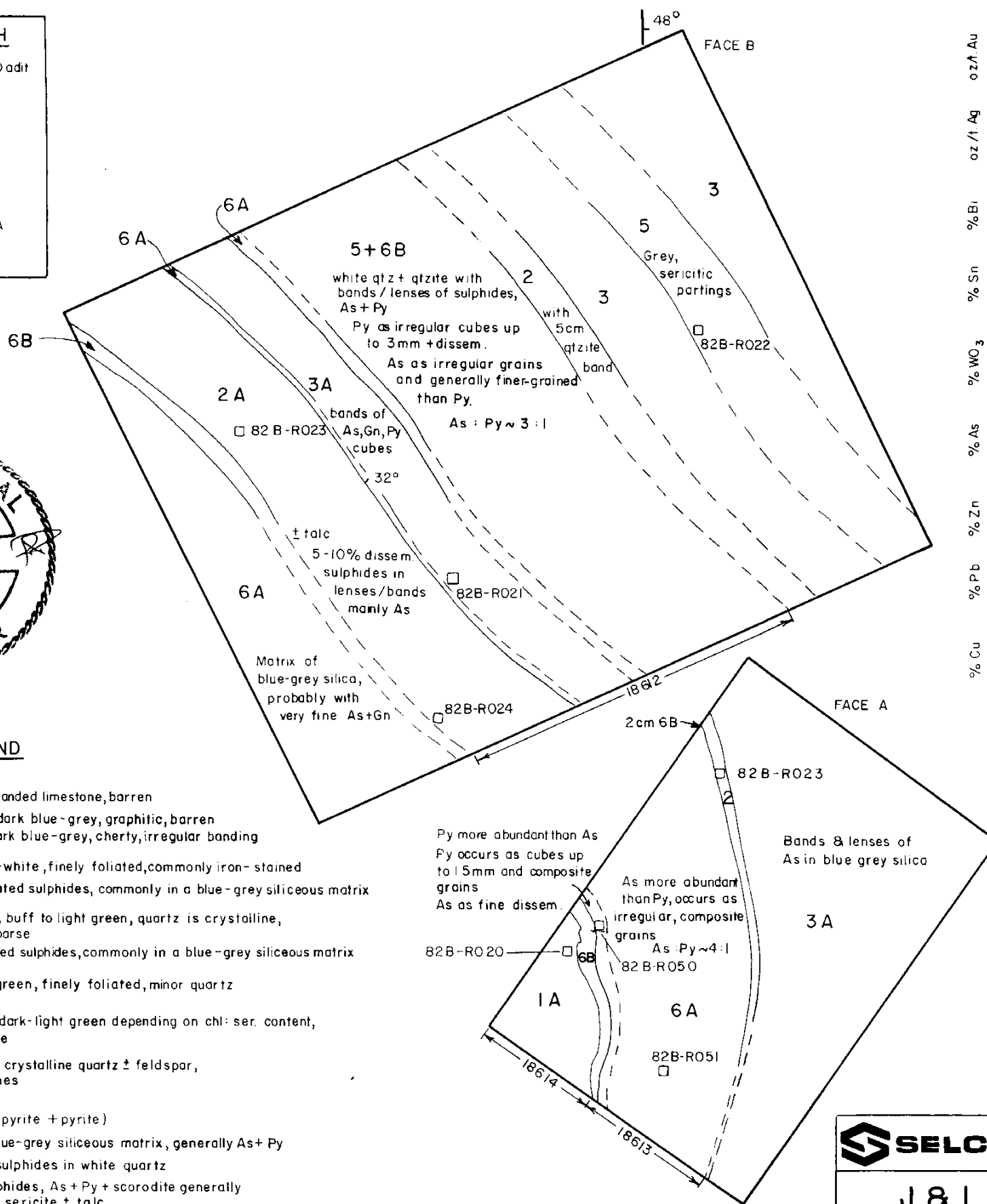
LOCATION SKETCH



LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As+Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

- 82B-R054 Representative Rock Sample Location
- ←-18613-→ Chip Sample Location



	%Au	oz/t Ag	%Bi	%Sn	%WO <sub>3</sub>	%As	%Zn	%Pb	%Cu
18612	0.048	0.39	0.004	<0.01	0.001	1.910	0.04	0.36	0.02
18613	0.624	1.95	0.008	<0.01	<0.001	16.500	1.24	3.11	0.03
18614						400 ppm Bi, 100 ppm Ba	3500 ppm Zn, 1 ppm W,		



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**J & L PROSPECT  
TRENCH # 1**

0 50 100 150 cm

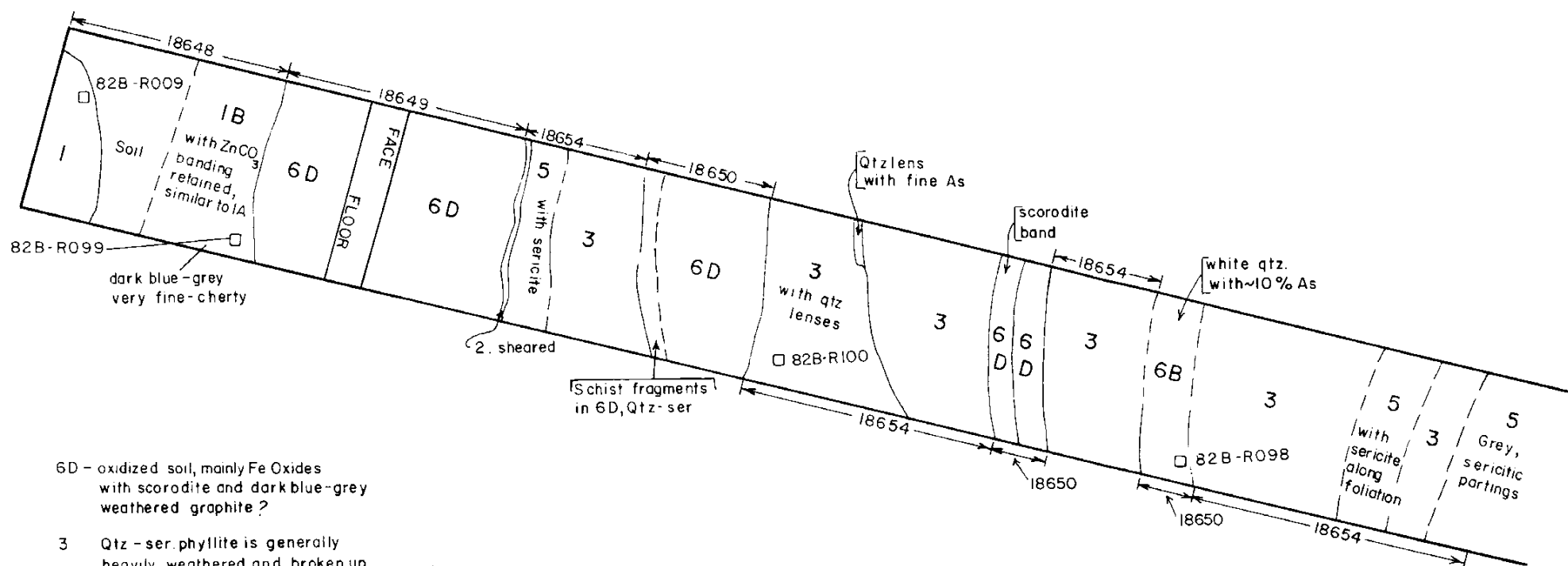
DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982.	82M/8E	8

TRENCH #2

Not sampled properly; country rock between the sulphide zones and the sulphide zones should have been separate samples.

- there are 4 sulphide zones
  - lower zone (Sample #18649) is 69 cm wide
  - 2nd zone (Sample #18650) is 37 cm wide
  - 3rd zone (Sample #18650) is 15 cm wide
  - 4th zone (Sample #18650) is 16 cm wide

(estimated true widths)



6D - oxidized soil, mainly Fe Oxides with scorodite and dark blue-grey weathered graphite?

3 Qtz-ser. phyllite is generally heavily weathered and broken up into fragments along foliation.

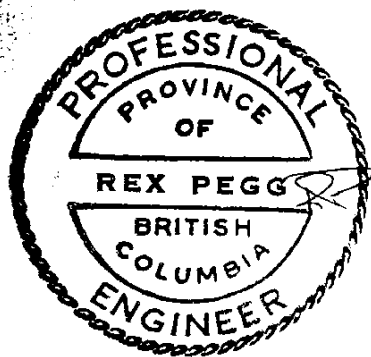
	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz./t. Ag	oz./t. Au
18649 :	0.10	1.17	0.55	6.410	<0.001	<0.01	0.007	1.06	0.198
18650 :	0.04	1.90	0.17	4.160	<0.001	<0.01	0.005	1.10	0.134

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18648 :	>10 000	>10000	1	2	0.2	100
18654 :	350	137	1	1	1.0	680

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
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- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl-ser. content, foliation relatively fine
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  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As+Py+scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert, colour variable, light grey → dark blue. Generally well fractured

- 82B-R054 Representative Rock Sample Location
- ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

## J & L PROSPECT TRENCH # 2

0 50 100 150cm

DRAWN BY B.B.	DATE SEPT 1982	N.T.S.	FIGURE
TRACED BY J.S.	DATE OCT. 1982	82M/8E	9

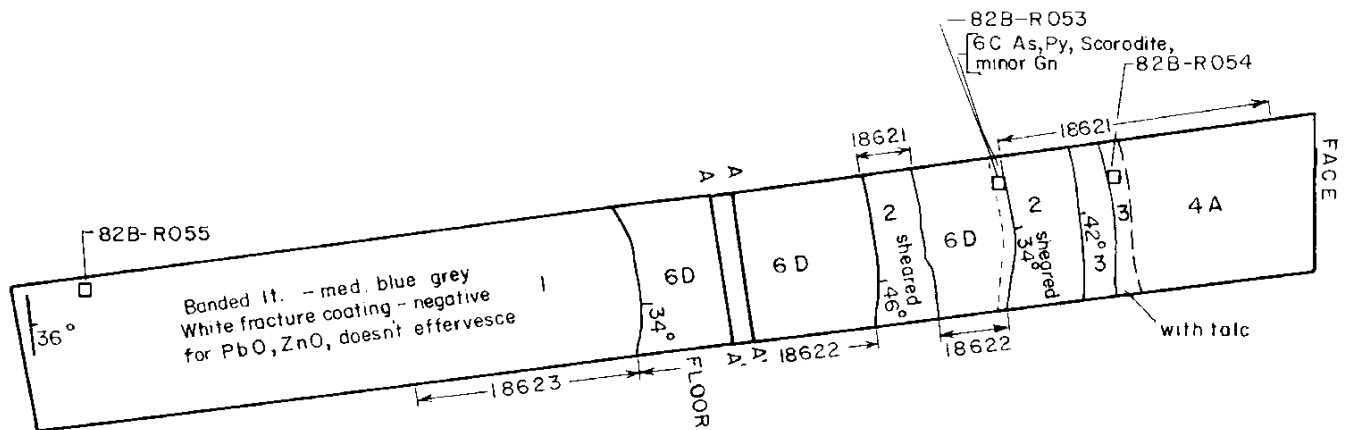
TRENCH #3

Not sampled properly; country rock between zones as well as the 2 zones themselves, should have been sampled separately.

- there are 2 sulphide zones

- lower zone (Sample #18622) is 58 cm wide
- country rock between zones is 14 cm wide (Sample #18621)
- upper zone (Sample #18622) is 21 cm wide

(estimated true width)



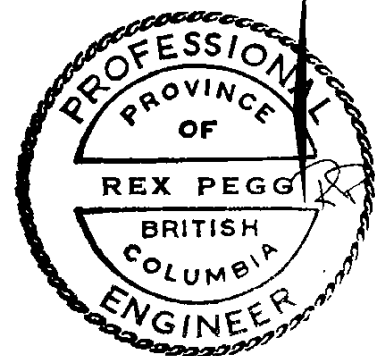
18622 : 0.11% Cu, 4.34% Pb, 1.39% Zn, 10.300% As, 0.003% WO<sub>3</sub>, <0.01% Sn, 0.008% Bi, 2.44 oz/ft. Ag, 0.696 oz/Au

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18621	430	260	8	1	2.4	400
18623	225	210	1	1	0.2	220

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

- 82B-R054 Representative Rock Sample Location
- ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

## J & L PROSPECT TRENCH #3

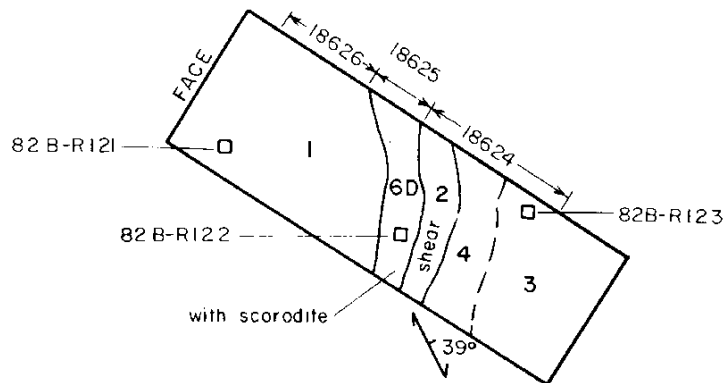
0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	10



TRENCH #5

- there is 1 sulphide zone (Sample #18625) which is 20 cm wide (estimated true width)

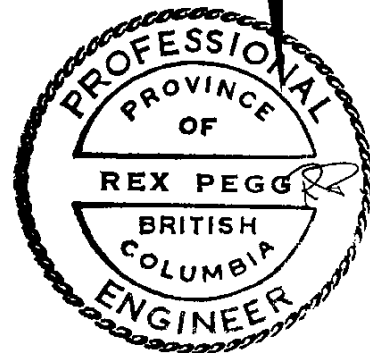


18625 : 0.16% Cu, 4.74% Pb, 0.87% Zn, 9.490% As, 0.001% WO<sub>3</sub>, < 0.01% Sn, 0.009% Bi, 2.77 oz/t. Ag, 0.228 oz/t. Au

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18624 :	510	295	4	2	2.2	340
18626 :	182	270	1	1	0.3	180

### LEGEND

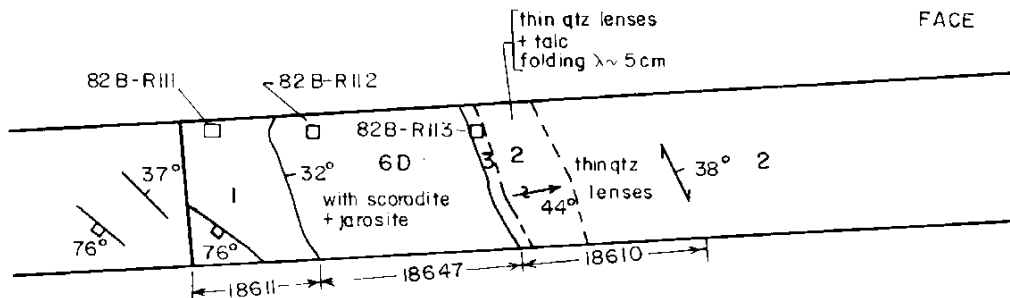
- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As+Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←-18613-→ Chip Sample Location



<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA	
<h2>J &amp; L PROSPECT TRENCH # 5</h2>			
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	11

TRENCH #6

- there is 1 sulphide zone (Sample #18647) which is 67 cm wide  
(estimated true width)



18647 : 0.16% Cu, 6.34% Pb, 0.20% Zn, 8.790% As, <0.001%  $W O_3$ , <0.01% Sn, 0.010% Bi, 3.89oz/t. Ag, 0.244oz/t. Au

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18610 :	415	560			7.2	440
18611 :	770	1350			0.2	160

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As+ Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As+Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA	
<h2>J &amp; L PROSPECT TRENCH # 6</h2>			
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	12

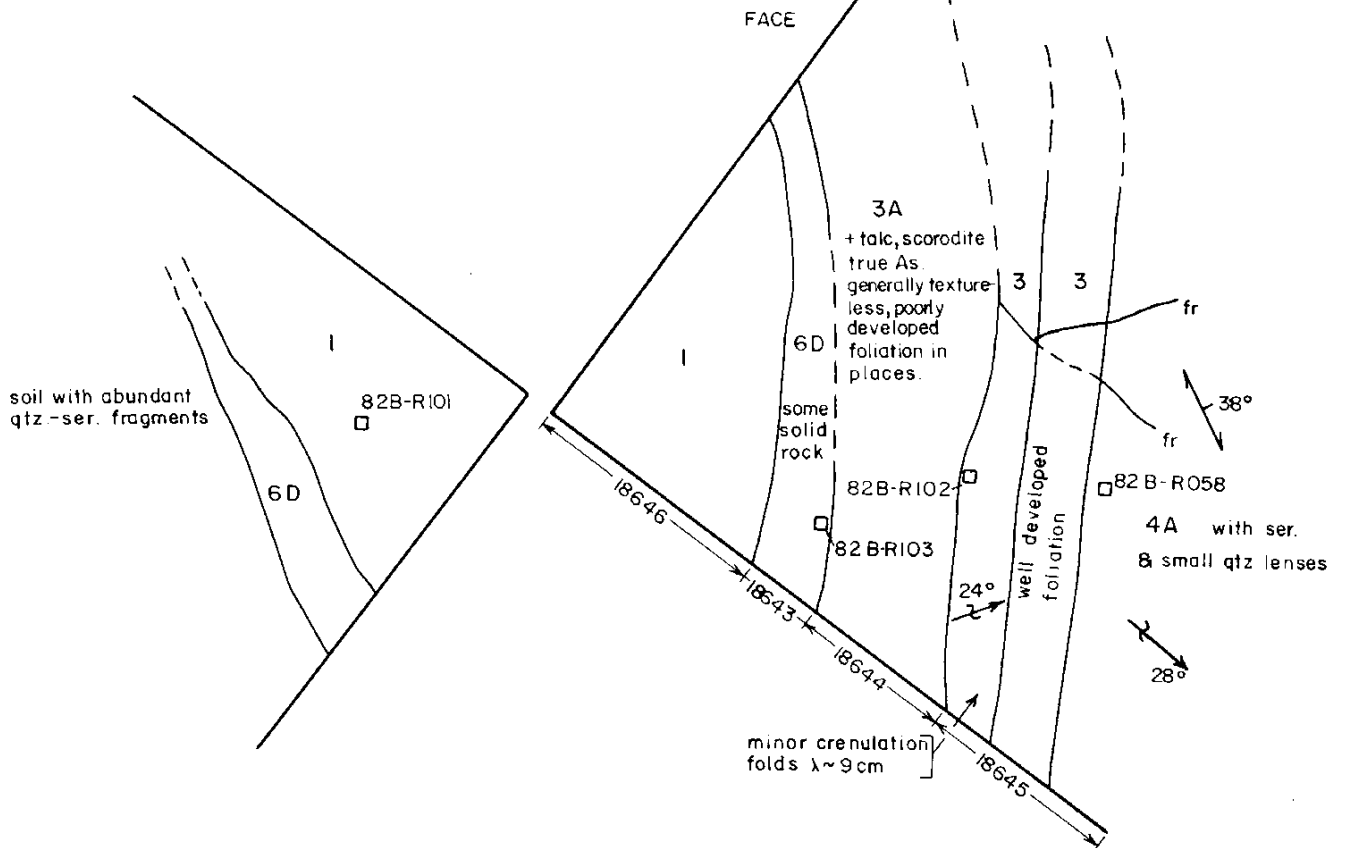
TRENCH #7

- 1 sulphide zone (Sample #18643) which is 24 cm wide  
(estimated true width)

a) average over a width of 74 cm (Sample #18643 + 18644)  
= 0.06% Cu, 1.10% Pb, 0.18% Zn, 4.147% As, 0.001% WO<sub>3</sub>,  
<0.01% Sn, 0.008% Bi, 1.32 oz/t Ag, 0.149 oz/t Au.

b) average (#18643 + 15 cm of #18644) over 39 cm  
= 0.09% Cu, 1.61% Pb, 0.29% Zn, 4.881% As, 0.001% WO<sub>3</sub>,  
<0.01% Sn, 0.009% Bi, 1.92 oz/t Ag, 0.200 oz/t Au.

	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz/t. Ag	oz/t. Au
18644:	0.02	0.54	0.06	3.330	<0.001	<0.01	0.008	0.65	0.092
18643:	0.14	2.28	0.43	5.850	0.001	<0.01	0.009	2.71	0.268
	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba			
18645:	38	115	1	2	13.0	400			
18646:	93	280	1	1	0.6	220			



**LEGEND**

- 1** Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2** Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3** Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4** Chlorite schist, dark green, finely foliated, minor quartz
  - 4A** Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5** Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6** Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7** Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT TRENCH # 7**

0 50 100 150 cm

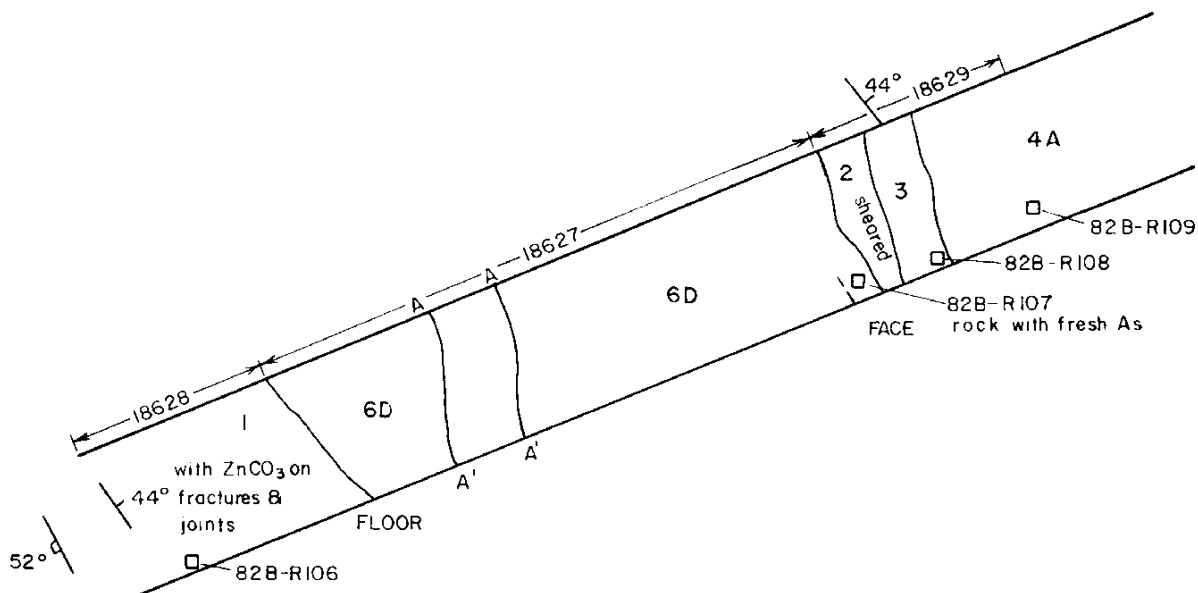
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE 13
TRACED BY J. S.	DATE OCT. 1982	82M/8E	

TRENCH #11

- there is 1 sulphide zone (Sample #18627) which is 148 cm wide  
(estimated true width)

18627: 0.11% Cu, 1.22% Pb, 1.22% Zn, 11.000% As, <0.002% WO<sub>3</sub>, <0.01% Sn, 0.011% Bi, 2.05 oz/t. Ag, 0.566 oz/t Au

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18628:	16	1400	1	2	0.2	240
18629:	52	144	1	3	2.0	820



### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
←18613→ Chip Sample Location



<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA	
<b>J &amp; L PROSPECT TRENCH # II</b>			
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	14



TRENCH #12

- there are 2 sulphide zones
  - lower zone (Sample #18652 & #18608) is 28 cm wide.
  - country rock between the zones (Sample #18652 + #18608) is 17 cm wide.
  - upper zone (Sample #18652 + #18608) is 8 cm wide (estimated true widths)
- 1) average of samples 18652 + 18608 (replicate samples) over 53 cm.
  - = 0.04% Cu, 0.60% Pb, 0.29% Zn, 11.500% As, < 0.003% WO<sub>3</sub>,
  - < 0.01% Sn, 0.007% Bi, 0.80 oz/t Ag, 0.296 oz/t Au.

6A Lower zone with irregular pyrite cubes, up to ~1mm, also aggregates of finer grains.  
 ~9cm thick As occurs as very fine grains.  
 Scorodite - stained qtz  
 Py more abundant than As  
 Py grain size increases to ~3mm  
 As becomes more abundant than Py and also shows an increase in grain size  
 cleavage faces discernible in both Py and As but cubes rare.  
 Some clusters of As with minor Py and Py with minor As  
 White qtz patches  
 Sulphides 60%+  
 Oxidized coating negative for PbO, ZnO

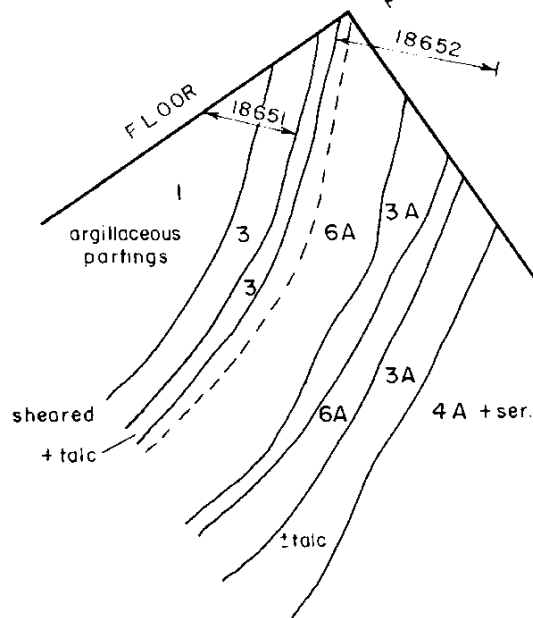
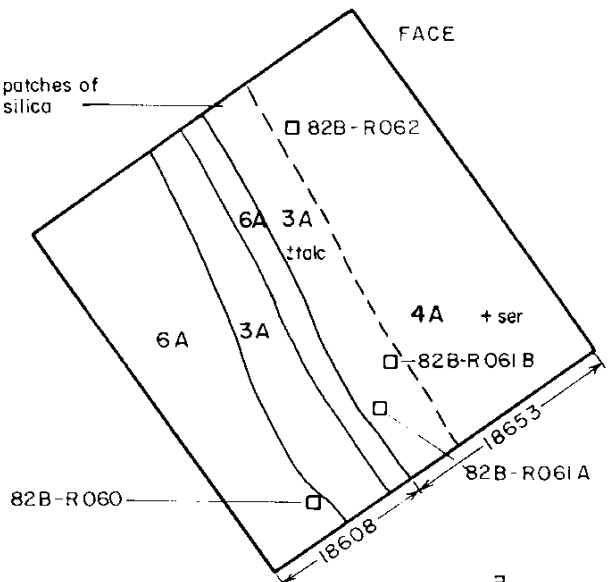
3A Zone of 15-25% sulphides in qtz, ser + talc  
 Poor foliation  
 Py up to 2mm, As finer & more abundant  
 Negative for PbO, ZnO



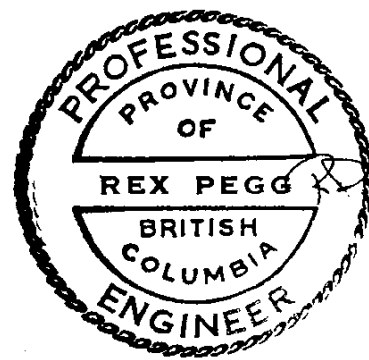
**LEGEND**

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As+Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←-18613-→ Chip Sample Location

with patches of blue silica



	oz/t Au	oz/t Ag	% Bi	ppm Ba	% Sn	ppm Bi	% WO <sub>3</sub>	ppm Sn	% As	ppm W	% Zn	ppm Zn	% Pb	ppm Pb	% Cu	ppm Pb
18652:	0.320	0.84	0.005	640	< 0.01	1.0	< 0.004	—	11800	—	0.46	54	0.64	2	0.04	77
18608:	0.272	0.75	0.008	360	< 0.01	0.4	< 0.002	—	11200	—	0.11	280	0.55	—	0.03	—
18653:																
18651:																



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT TRENCH # 12**

0 50 100 150 cm

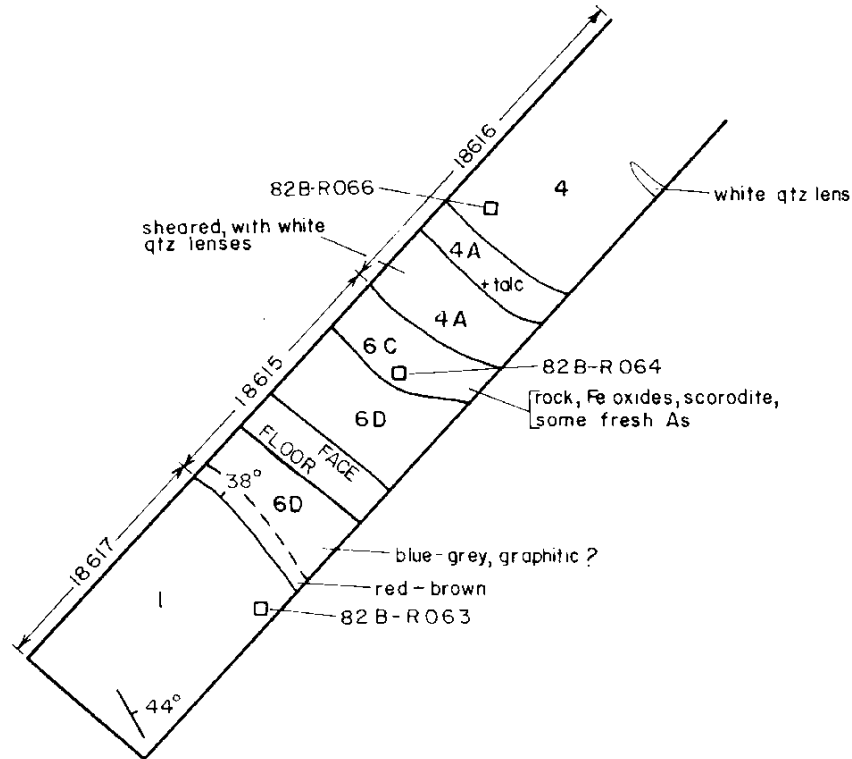
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE 15
TRACED BY J. S.	DATE OCT. 1982	82M/8E	

TRENCH #15

- there is 1 sulphide zone (Sample #18615) which is 63 cm wide (estimated true width)

18615 : 0.03% Cu, 1.39% Pb, 0.06% Zn, 16.500% As, <0.001% WO<sub>3</sub>, <0.01% Sn, 0.010% Bi, 2.57oz./t. Ag, 0.806oz./t. Au

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18616 :	10	165			0.2	440
18617 :	27	510			0.2	160

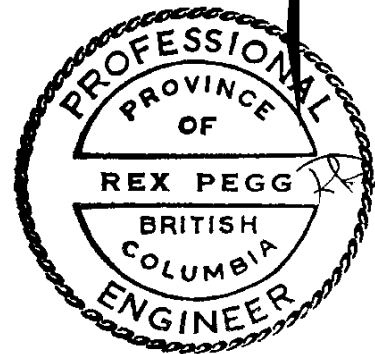


### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location

←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

## J & L PROSPECT TRENCH # 15



DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82 M/8E	16

TRENCH #16

- there is 1 sulphide zone (Sample #18641 and #18642) which is 118 cm wide. (estimated true width)

1) average over the 118 cm (#18641 + #18642)

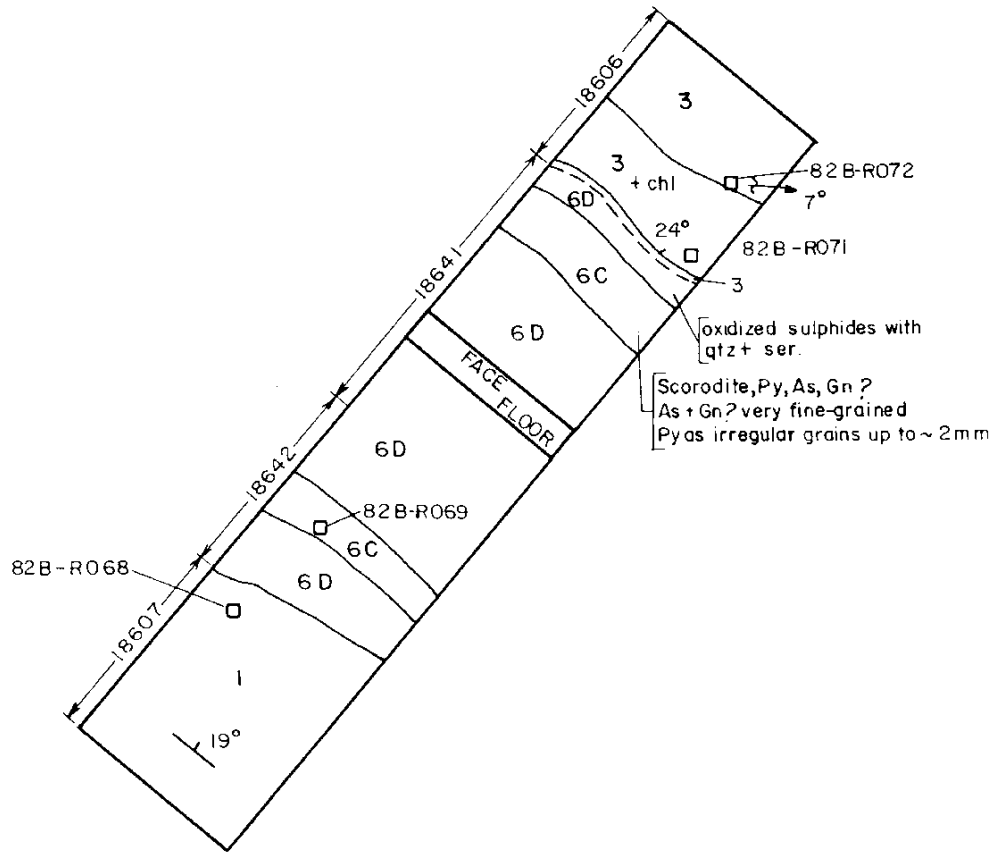
= 0.12% Cu, 0.81% Pb, 0.80% Zn, 14.115 % As, 0.002% WO<sub>3</sub>,

<0.01% Sn, 0.004% Bi, 1.32 oz/t Ag, 0.307 oz/t Au.

	% Au	oz./t. Ag	% Bi	% Sn	% WO <sub>3</sub>	% As	% Zn	% Pb	% Cu
18641:	0.274	0.74	0.003	<0.01	<0.002	15.000	0.31	0.54	0.07
18642:	0.382	2.65	0.006	<0.01	0.002	12.100	1.92	1.42	0.24
18606:				5.2					
18607:				0.2					

	ppm Bi	ppm Sn	ppm W	ppm Zn	ppm Pb
18641:	340			290	475
18642:	220			530	33



### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



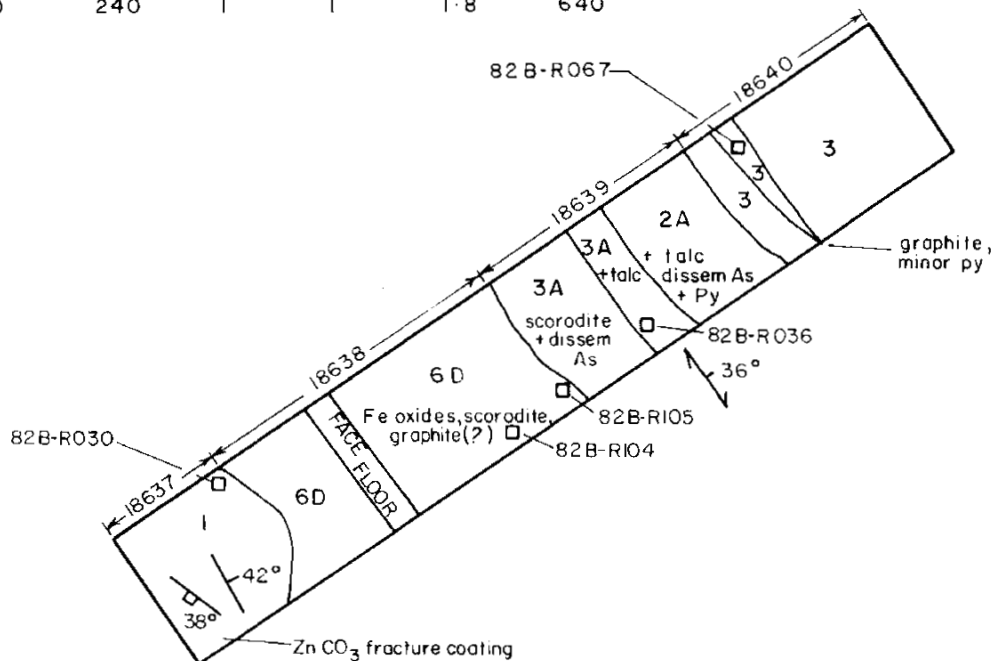
<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA
<b>J &amp; L PROSPECT TRENCH #16</b>		
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.
TRACED BY J. S.	DATE OCT. 1982	82 M /8E
		<b>FIGURE 17</b>

TRENCH #17

- there is 1 sulphide zone (Sample #18638) which is 89 cm wide, but the hangingwall is also mineralized (Sample #18639), 77 cm wide (estimated true widths)

1) average (Sample #18638 + #18639) over 166 cm  
= 0.04% Cu, 0.34% Pb, 0.24% Zn, 7.610% As, <0.002% WO<sub>3</sub>,  
<0.01% Sn, 0.004% Bi, 0.61 oz/t Ag, 0.257 oz/t Au.

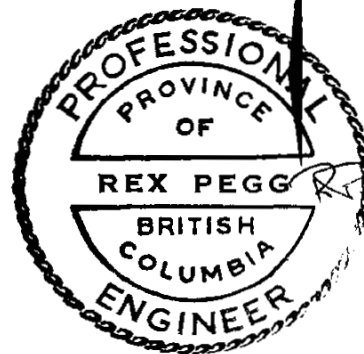
	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz/t Ag	oz/t Au
18638:	0.06	0.39	0.41	9.670	<0.002	<0.01	0.003	0.59	0.262
18639:	0.01	0.29	0.04	5.230	<0.001	<0.01	0.005	0.64	0.252
	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba			
18637:	5	1700	1	1	0.4	220			
18640:	80	240	1	1	1.8	640			



### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As+Py+ scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
 WESTERN CANADA

## J & L PROSPECT TRENCH #17



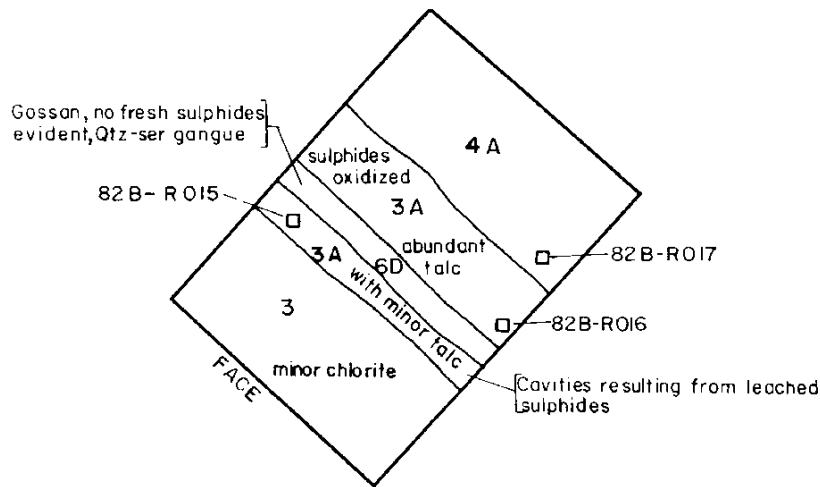
DRAWN BY B.B.	DATE SEPT. 1982	N.T.S.	FIGURE
TRACED BY J.S.	DATE OCT. 1982	82M/8E	18



TRENCH #18

- there is 1 sulphide zone which is approximately 8 cm wide
- this trench was not sampled

(estimated true width)



### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←IB613→ Chip Sample Location



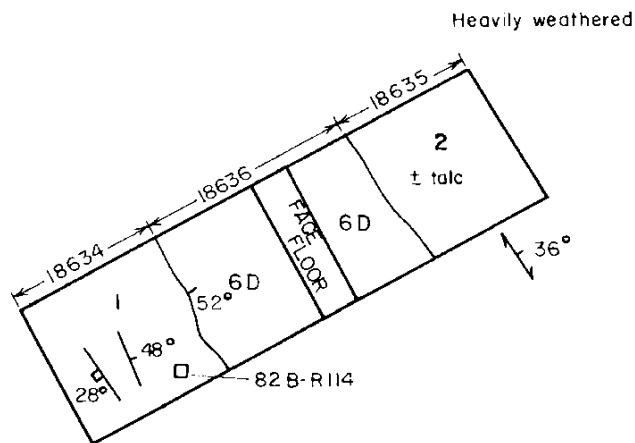
<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA	
J & L PROSPECT TRENCH # 18			
DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	19

TRENCH #19

- there is 1 sulphide zone (Sample #18636) which is 48 cm wide  
(estimated true width)

18636 : 0.09%Cu, 0.07%Pb, 0.25%Zn, 1.620%As, <0.002%WO<sub>3</sub>, <0.01%Sn, 0.003%Bi, 0.28oz/tAg, 0.080oz/tAu

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18634 :	3	23	1	1	0.4	240
18635 :	45	56	1	1	14.8	420



### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

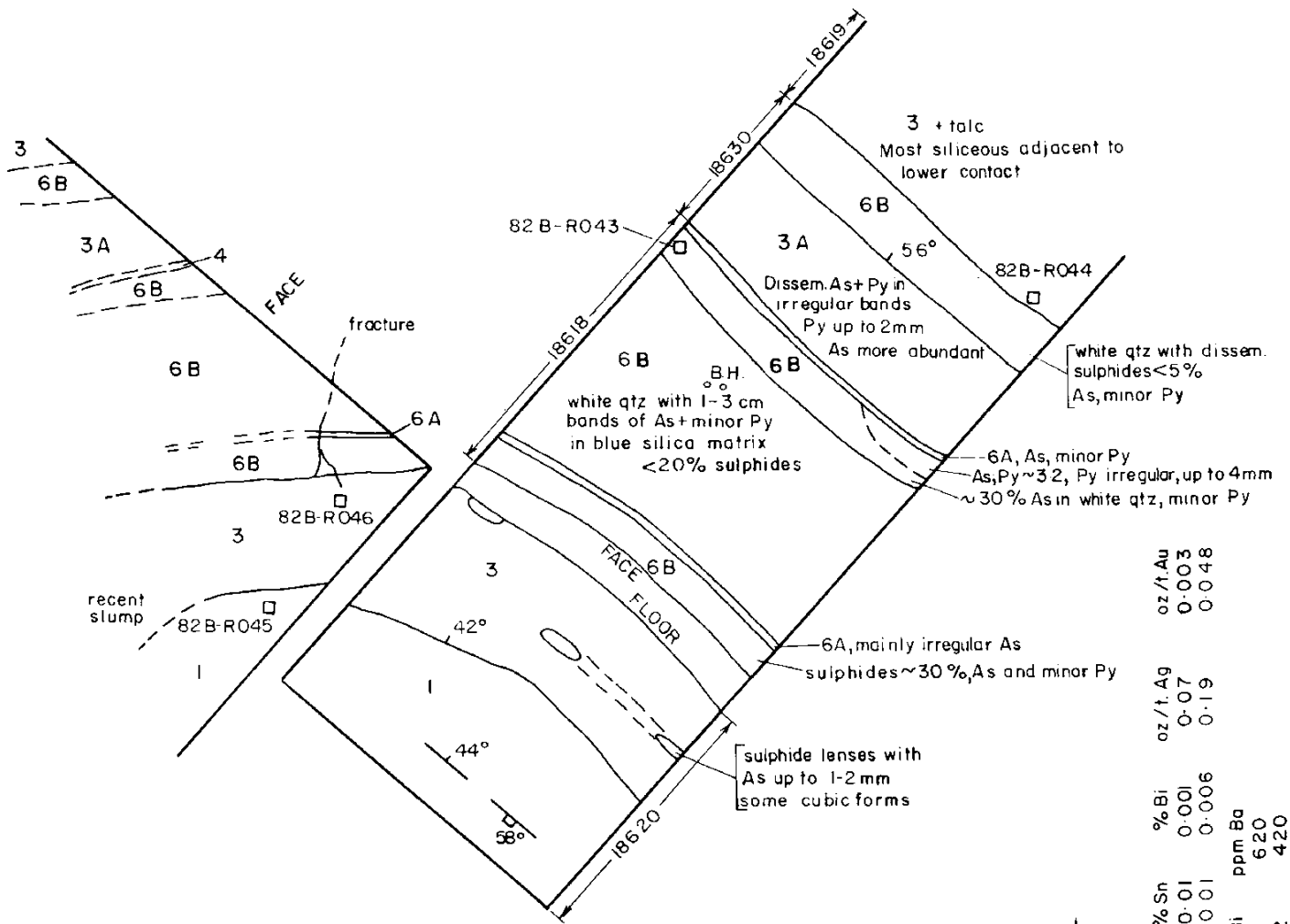
## J & L PROSPECT TRENCH # 19



DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M /8E	20

TRENCH #20

- there are 2 sulphide zones
  - lower zone (Sample #18618) is 92 cm wide
  - country rock between zones (Sample #18630) is 26 cm wide
  - upper zone (Sample #18630) is 12 cm wide
  - (estimated true widths)
- 1) average (#18618 + 8 cm of #18630) over 100 cm
  - = 0.02% Cu, 0.09% Pb, 0.01% Zn, 3.954% As, <0.001% WO<sub>3</sub>,
  - <0.01% Sn, 0.006% Bi, 0.18 oz/t Ag, 0.044 oz/t Au.



**LEGEND**

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location

	oz/t Au	oz/t Ag	% Bi	% Sn	% W <sub>3</sub>	ppm Bi	ppm Sn	ppm Ba
18630:	0.003	0.07	0.001	<0.01	<0.001	1.4	2	620
18618:	0.048	0.19	0.006	<0.01	<0.001	8.2	1	420
18619:								
18620:								



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT TRENCH #20**

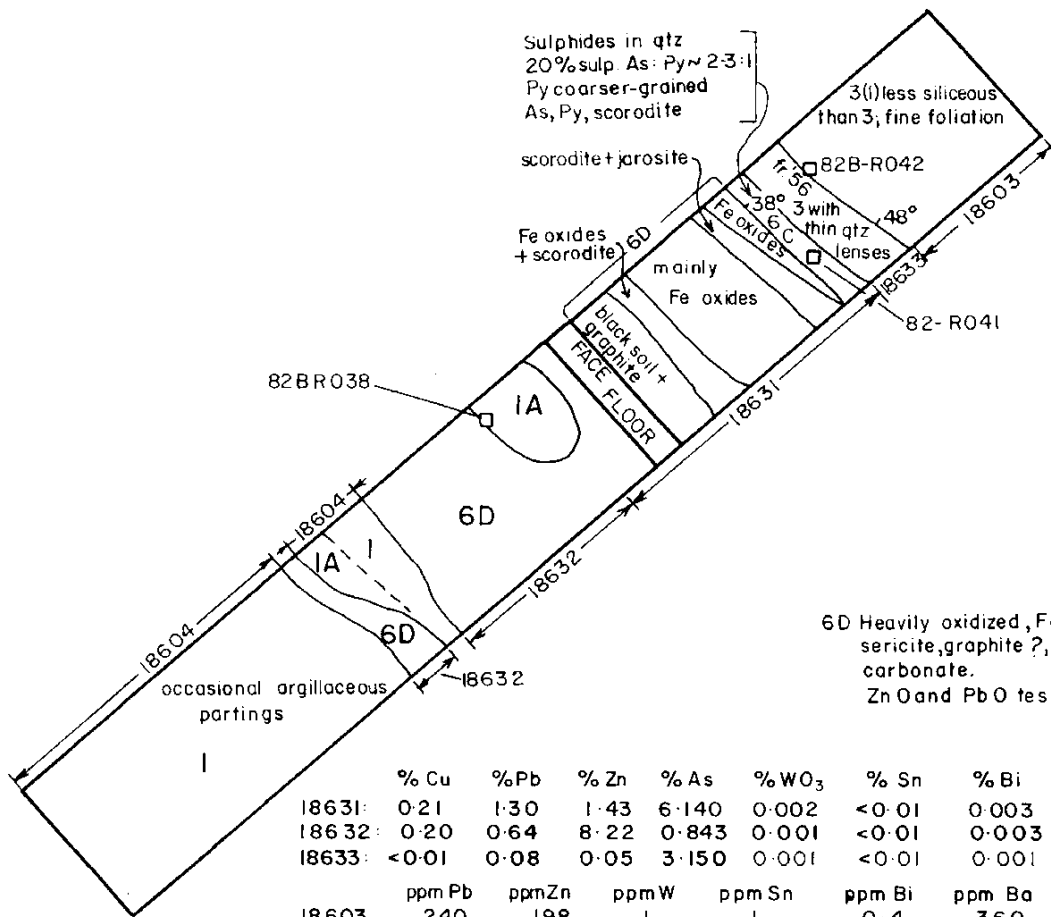
0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT. 1982	N. T. S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	21

TRENCH #21

- there are 2 sulphide zones.
  - upper zone (Sample #18631 + #18632) is 140 cm wide
  - country rock between zones (Sample #18604) is between 21 and 5 cm wide.
  - lower zone (Sample #18632) is 12 cm wide
    - (estimated true widths)
    - a) average (#18631 + 12 cm of 18632) over 100 cm\*
      - = 0.21% Cu, 1.22% Pb, 2.24% Zn, 5.504% As, 0.002% WO<sub>3</sub>,
      - <0.01% Sn, 0.003% Bi, 1.71 oz/t Ag, 0.267 oz/t Au.
    - b) average (#18631 + 52 cm of 18632) over 140 cm
      - = 0.21% Cu, 1.05% Pb, 3.95% Zn, 4.17% As, 0.002% WO<sub>3</sub>,
      - <0.01% Sn, 0.003% Bi, 1.44 oz/t Ag, 0.202 oz/t Au.

\*does not include limestone lense, within Sample #18632,  
which was not sampled.



	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz/t. Ag	oz/t. Au
18631:	0.21	1.30	1.43	6.140	0.002	<0.01	0.003	1.84	0.298
18632:	0.20	0.64	8.22	0.843	0.001	<0.01	0.003	0.76	0.040
18633:	<0.01	0.08	0.05	3.150	0.001	<0.01	0.001	0.15	0.052

	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi	ppm Ba
18603	240	198	1	1	0.4	360
18604	380	1800	1	1	0.4	100

**LEGEND**

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As+ Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT TRENCH # 21**

0 50 100 150 cm

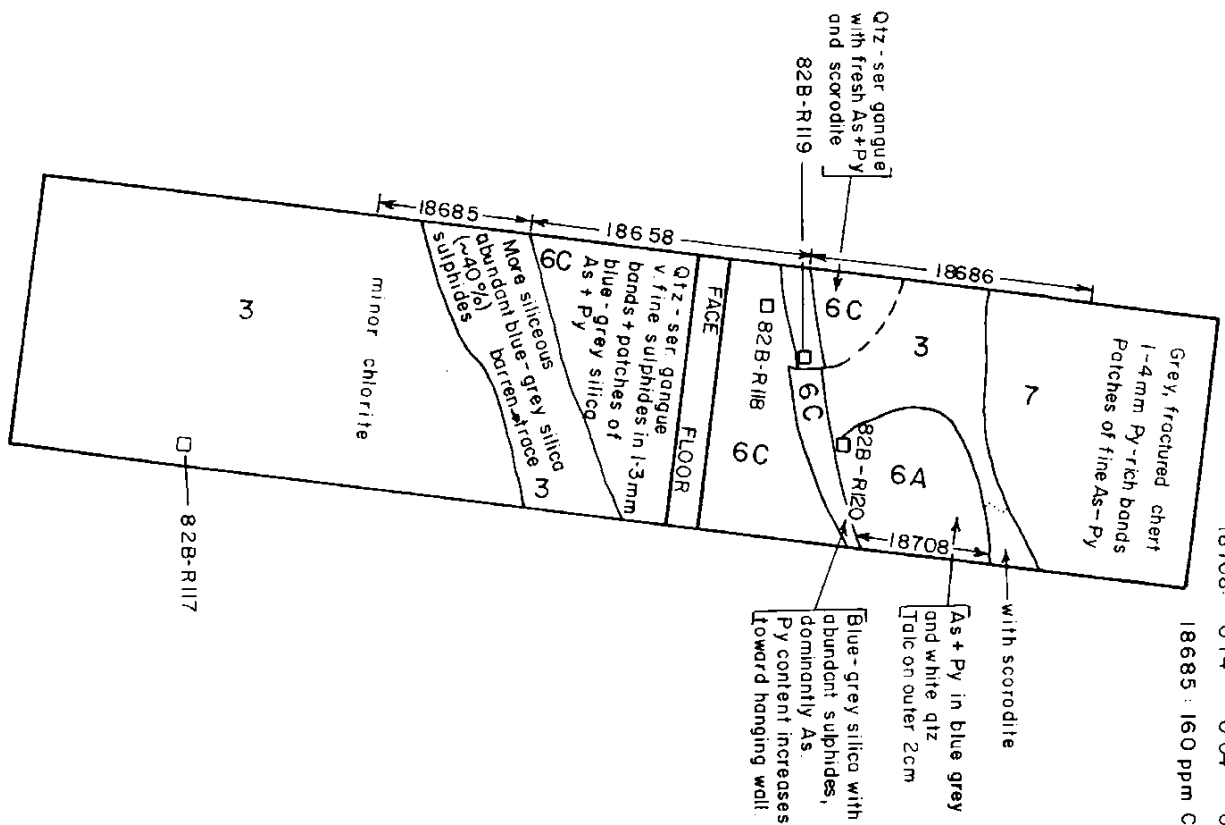
DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	22



TRENCH #23

- there is 1 sulphide zone (Sample #18658, #18708 + part of #18686) which is 91 to 96 cm wide.
- (estimated true widths)
  - 1) average\*(#18658 + 29 cm of #18686) over 100 cm  
= 0.04% Cu, 0.60% Pb, 0.02% Zn, 8.083% As, 0.002% WO<sub>3</sub>,  
<0.01% Sn, 0.014% Bi, 0.69 oz/t Ag, 0.228 oz/t Au.
  - 2) average\*(#18658 + 43 cm of #18686) over 114 cm  
= 0.04% Cu, 0.53% Pb, 0.02% Zn, 7.326% As, 0.002% WO<sub>3</sub>,  
<0.01% Sn, 0.013% Bi, 0.61 oz/t Ag, 0.200 oz/t Au.

\*average grade will be higher if #18708 is included in the calculation.



	%Cu	%Pb	%Zn	%As	%WO <sub>3</sub>	%Sn	%Bi	oz/1 Ag	oz/1 Au
18658 :	0.05	0.84	0.02	10.600	0.003	<0.01	0.016	0.96	0.320
18686 :	0.02	0.01	0.01	1.920	0.001	<0.01	0.009	0.03	0.003
18708 :	0.14	0.04	0.04	3.130	0.001	<0.01	0.009	0.05	0.012

18685 : 160 ppm Cu, 158 ppm Pb, 1030 ppm Zn, 1 ppm W, 2 ppm Sn, 0.4 ppm Bi.

**LEGEND**

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As+ Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT TRENCH # 23**

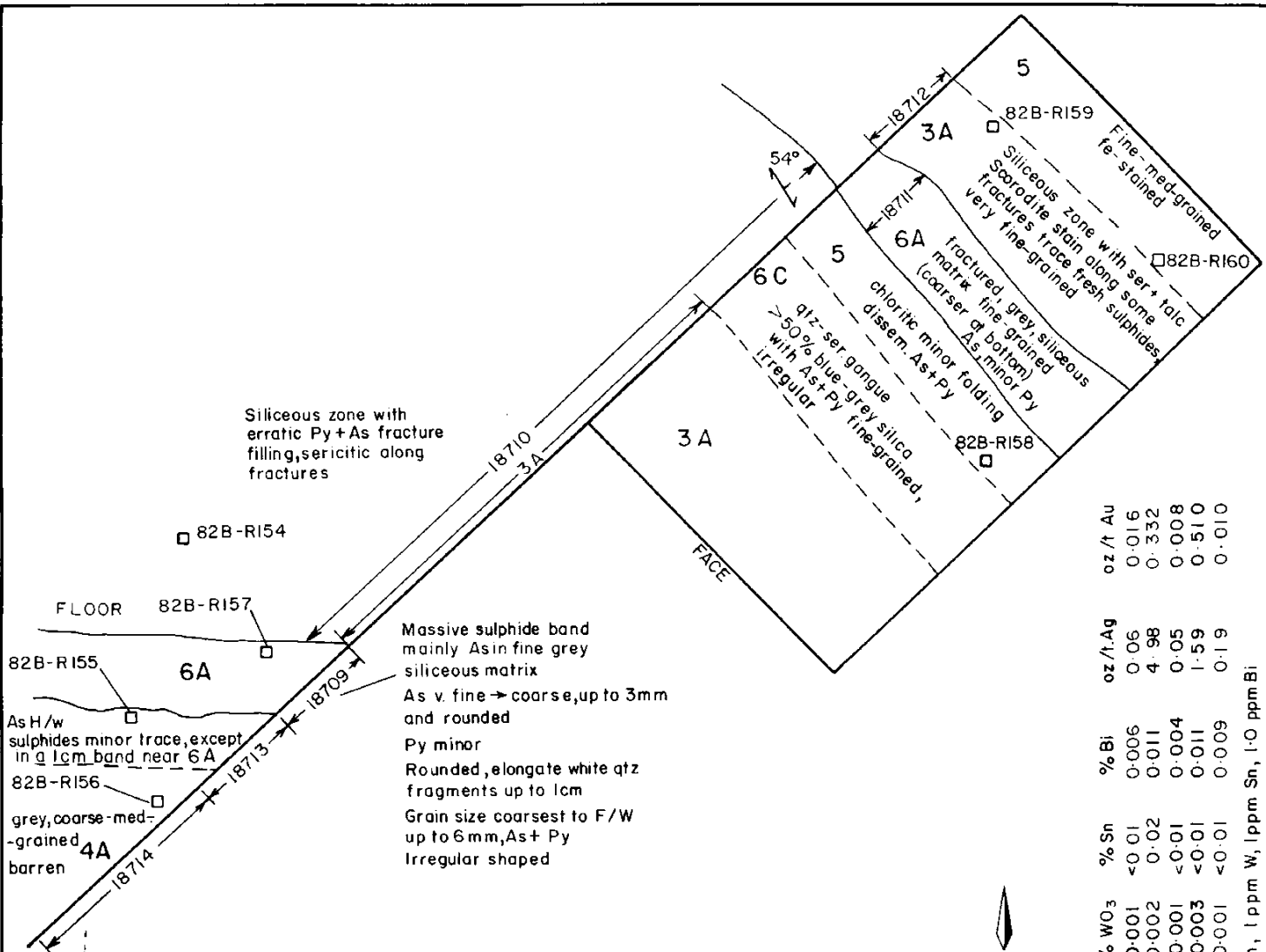
0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	23

TRENCH #24

- there are 3 sulphide zones
  - upper zone (Sample #18711) is 22 cm wide
  - country rock (Sample #18710) is 18 cm wide
  - middle zone (Sample #18710) is 28 cm wide
  - country rock (Sample #18710) is 165 cm wide
  - lower zone (Sample #18709) is 36 cm wide
- (estimated true widths)

- 1) average (#18711 + 78 cm of #18710) over 100 cm  
 = 0.10% Cu, 1.23% Pb, 1.55% Zn, 2.591% As, 0.001% WO<sub>3</sub>,  
 0.01% Sn, 0.007% Bi, 1.14 oz/t Ag, 0.086 oz/t Au.
- 2) average (#18709 + 64 cm of #18710) over 100 cm  
 = 0.04% Cu, 1.25% Pb, 0.47% Zn, 6.072% As, 0.002% WO<sub>3</sub>,  
 <0.01% Sn, 0.008% Bi, 0.61 oz/t Ag, 0.194 oz/t Au.
- 3) average (#18709 + #18710 + #18711) over 270 cm  
 = 0.06% Cu, 0.94% Pb, 0.75% Zn, 3.597% As, 0.001% WO<sub>3</sub>,  
 0.01% Sn, 0.007% Bi, 0.66 oz/t Ag, 0.108 oz/t Au.



**LEGEND**

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location  
 ←-18613-→ Chip Sample Location

	oz/t Au	oz/t Ag	% Bi	% Sn	% WO <sub>3</sub>	% As	% Zn	% Pb	% Cu
18710:	0.016	0.06	0.006	<0.01	<0.001	1.500	0.03	0.10	0.02
18711:	0.332	4.98	0.011	0.02	0.002	6.460	6.94	5.22	0.40
18712:	0.008	0.05	0.004	<0.01	<0.001	1.290	0.07	0.08	0.03
18709:	0.510	1.59	0.011	<0.01	0.003	14.200	1.24	3.29	0.08
18713:	0.010	0.19	0.009	<0.01	<0.001	1.660	0.01	0.04	0.01

18714: 4.2ppm Cu, 72ppm Pb, 87ppm Zn, 1ppm W, 1ppm Sn, 1ppm Bi



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT TRENCH # 24**

0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE 24
TRACED BY J. S.	DATE OCT. 1982	82M/8E	

TRENCH #25

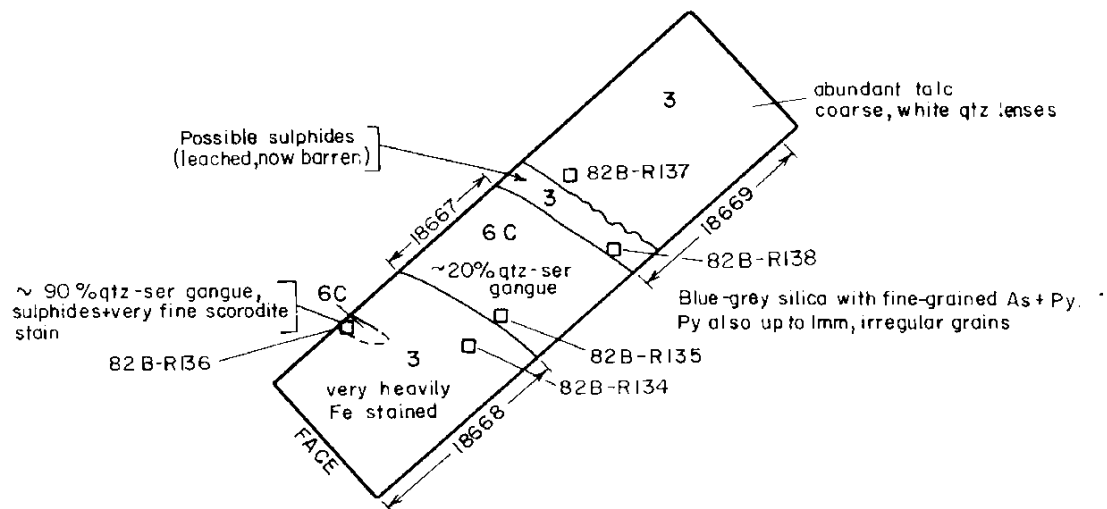
At this location, a disseminated sulphide zone was found to be underlain by a chlorite-quartz schist unit.

The hangingwall was not exposed in this trench. The well oxidized and weathered sulphide zone consists of a cherty quartz gangue with a minor amount of disseminated arsenopyrite and pyrite. The top 7 cm is highly weathered and contains 2 narrow dark brown bands (chert?). The footwall is a chlorite-quartz schist containing a trace of visible sulphides and a minor amount of quartz lenses with minor iron oxide.

<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width (cm)</u>	<u>Results</u>
18720	zone	46	<0.01% Cu, 0.42% Pb, 0.02% Zn, 3.330% As, 0.002% WO <sub>3</sub> , <0.01% Sn, 0.004% Bi, 0.51 oz/t Ag, 0.092 oz/t Au
18719	footwall	64	51 ppm Cu, 15 ppm Pb, 42 ppm Zn, 1 ppm W, 1 ppm Sn, 0.2 ppm Bi

TRENCH #26

- there is 1 sulphide zone (Sample #18667) which is 37 cm wide  
(estimated true width)



18667 : 0.13% Cu, 1.31% Pb, 0.06% Zn, 17.200% As, <0.004% WO<sub>3</sub>, <0.01% Sn, 0.015% Bi, 0.95oz/t. Ag, 0.690 oz/t. Au

	ppm Cu	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi
18668 :	53	1650	125	1	2	2.4
18669 :	215	65	122	1	2	5.0

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

- 82B-R054 Representative Rock Sample Location
- ← 18613 → Chip Sample Location



<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA	
J & L PROSPECT TRENCH # 26			
DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	25

SHOWING #2

At this location, 2 significant sulphide zones are found between a quartz-sericite schist unit and a quartz-chlorite schist unit.

The hangingwall is a quartz-chlorite schist which contains minor quartz lenses and minor to trace amounts of disseminated sulphides. It is increasingly sericitic towards its base and there is a 1 cm wide band of massive sulphide, approximately 14 cm above the hangingwall-sulphide zone contact. The upper sulphide zone is comprised of medium to coarse-grained pyrite and fine-grained arsenopyrite within a quartz gangue. There are also several narrow interbands of quartz-sericite schist and massive sulphides within the bottom 14 cm. In between the 2 sulphide zones is a quartz-sericite schist which contains erratic disseminated arsenopyrite mineralization. The lower sulphide zone is a massive sulphide with arsenopyrite and pyrite bands and minor sericite alteration and disseminated sulphides at its upper and lower contacts. The footwall is a bleached quartz-sericite schist which contains erratic arsenopyrite and pyrite mineralization, throughout.

<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width (cm)</u>	<u>Results</u>
18724	hangingwall	68	39 ppm Cu, 820 ppm Pb, 88 ppm Zn, 1 ppm W, 1 ppm Sn, 2.0 ppm Bi,
18723	upper zone	41	0.11% Cu, 1.20% Pb, 1.08% Zn, 5.790% As, 0.002% WO <sub>3</sub> , <0.01% Sn, 0.005% Bi, 1.59 oz/t Ag, 0.234 oz/t Au
18722	between zones	68	0.02% Cu, 0.51% Pb, 0.05% Zn, 3.140% As, 0.001% WO <sub>3</sub> , <0.01% Sn, 0.004% Bi, 0.47 oz/t Ag, 0.068 oz/t Au



SHOWING #2 (continued)

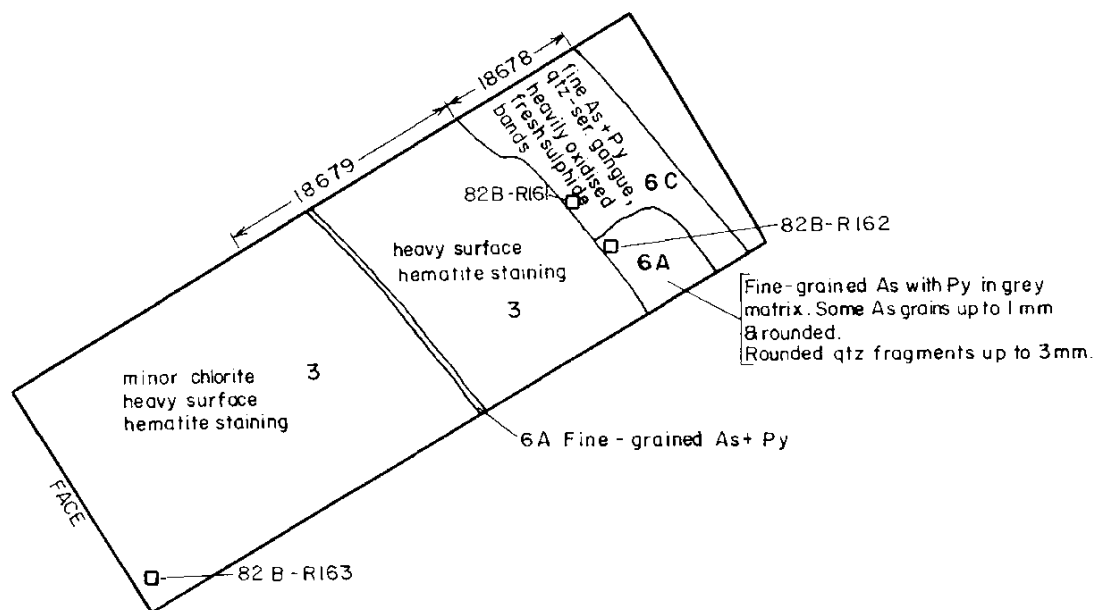
<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width(cm)</u>	<u>Results</u>
18721	lower zone	48	0.29% Cu, 5.38% Pb, 2.96% Zn, 7.160% As, 0.001% WO <sub>3</sub> , <0.01% Sn, 0.013% Bi, 5.51 oz/t Ag, 0.350 oz/t Au
18715	footwall	136	0.01% Cu, 0.18% Pb, 0.02% Zn, 4.660% As, 0.001% WO <sub>3</sub> , <0.01% Sn, 0.006% Bi, 0.08 oz/t Ag, 0.006 oz/t Au

1. average (#18721-#18723) over 157 cm

= 0.13% Cu, 2.18% Pb, 1.21% Zn, 5.061% As, 0.001% WO<sub>3</sub>, <0.01% Sn, 0.007% Bi, 2.30 oz/t Ag, 0.198 oz/t Au.

SHOWING 3

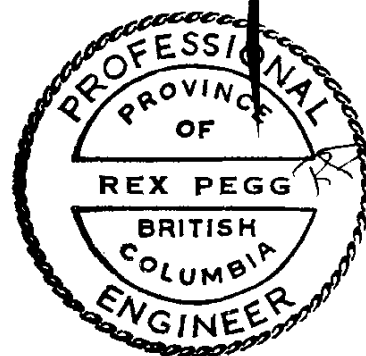
- there are 2 sulphide zones
  
- upper zone (#18678) is at least 33 cm wide as the hanging wall of this zone was not exposed.
  
- lower zone (part of #18679) is approximately 1 cm wide (estimated true width)



18678 : 0.20% Cu, 3.56% Pb, 1.77% Zn, 9.490% As, 0.001% WO<sub>3</sub>, <0.01% Sn, 0.018% Bi, 5.56 oz./t. Ag, 0.520 oz./t. Au  
 18679 : 126 ppm Cu, 340 ppm Pb, 295 ppm Zn, 1 ppm W, 2 ppm Sn, 0.7 ppm Bi

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
    - 1A Limestone - argillite, dark blue-grey, graphitic, barren
    - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
  - 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
    - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
    - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
  - 4 Chlorite schist, dark green, finely foliated, minor quartz
  - 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
  - 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
  - 6 Sulphide zone (arsenopyrite + pyrite)
    - 6A Massive sulphides in blue-grey siliceous matrix, generally As+ Py
    - 6B Lenses and bands of sulphides in white quartz
    - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
    - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
  - 7 Chert, colour variable, light grey → dark blue. Generally well fractured
- 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



<b>SELCO INC.</b>		EXPLORATION WESTERN CANADA	
<b>J &amp; L PROSPECT SHOWING 3</b>			
DRAWN BY B. B.	DATE SEPT. 1982.	N. T. S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	26

SHOWING #4

Here, 2 narrow sulphide zones are found overlain by a mineralized quartz-sericite schist.

The quartz-sericite schist hangingwall contains abundant disseminations and veinlets of arsenopyrite and pyrite, especially nearer its base. The upper sulphide zone is comprised of massive arsenopyrite and minor quartz gangue. In between the 2 zones is a quartz sericite + chlorite schist which has several narrow bleached zones containing minor to trace amounts of arsenopyrite. The lower sulphide zone is well oxidized, highly weathered and contains abundant quartz gangue. The quartz-sericite schist footwall is barren of visible mineralization.

SHOWING #4

<u>Sample No.</u>	<u>Location</u>	<u>%Cu</u>	<u>%Pb</u>	<u>%Zn</u>	<u>%As</u>	<u>%WO<sub>3</sub></u>	<u>%Sn</u>	<u>%Bi</u>	<u>oz/t</u>		<u>Est.Tr Width(</u>
									<u>Au</u>	<u>Ag</u>	
18717	hangingwall	0.01	1.16	0.14	7.280	< 0.001	< 0.01	0.004	2.13	0.270	79
18716	upper zone	0.07	5.32	1.62	11.600	0.005	< 0.01	0.012	5.73	0.630	13
18718	between zones	0.01	0.23	0.04	0.979	0.001	< 0.01	0.004	0.26	0.036	118
18707	lower zone	0.02	1.06	0.05	7.320	< 0.001	< 0.01	0.007	1.12	0.212	12

18699 (79 cm) footwall - 43 ppm Cu, 465 ppm Pb, 132 ppm Zn, 1 ppm W, 1 ppm Sn, 1.3 ppm Bi

1. Average (#18707, #18716-18) over 222 cm

= 0.01% Cu, 0.90% Pb, 0.17% Zn, 4.186% As, 0.001% WO<sub>3</sub>, < 0.01% Sn, 0.005% Bi, 1.29 oz/t Ag,  
0.164 oz/t Au.

SHOWING #5

At this location, a sulphide band is underlain by a poorly mineralized quartzite.

The hangingwall is a quartz-sericite schist whose sericite content decreases upwards and contains 1 small quartz lense which is impregnated with minute, euhedral galena crystals. The sulphide zone consists of massive arsenopyrite and minor pyrite and quartz gangue. There are 2 distinct, narrow massive sulphide bands within the lower portion of the zone and a similar, 12 cm wide band in the upper portion. The footwall quartzite contains a minor quantity of disseminated sulphides, but its sulphide content decreases and it becomes cleaner in composition, away from the sulphide zone.

<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width (cm)</u>	<u>Results</u>
18697	hangingwall	68	42 ppm Cu, 980 ppm Pb, 50 ppm Zn, 1 ppm W, 1 ppm Sn, 8.6 ppm Bi.
18696	zone	41	0.05% Cu, 1.48% Pb, 0.65% Zn, 4.700% As 0.002% WO <sub>3</sub> , <0.01% Sn, 0.011% Bi, 1.21 oz/t Ag, 0.088 oz/t Au.
18698	footwall	68	0.01% Cu, 0.07% Pb, 0.02% Zn, 0.993% As 0.001% WO <sub>3</sub> , <0.01% Sn, 0.004% Bi, 0.03 oz/t Ag, 0.003 oz/t Au.

1. average (#18696 + 59 cm of 18698) over 100 cm

= 0.03% Cu, 0.65% Pb, 0.28% Zn, 2.513% As, 0.001% WO<sub>3</sub>, <0.01% Sn, 0.007% Bi, 0.51 oz/t Ag, 0.038 oz/t Au.

SHOWING #6

- there is 1 sulphide zone (#18674) which is 7 to 59 cm wide
- (estimated true width)

1) average (#18674 + 41 cm of #18675) over 100 cm  
= 0.02% Cu, 2.50% Pb, 0.73% Zn, 8.172% As, 0.002% WO<sub>3</sub>,  
<0.01% Sn, 0.010% Bi, 1.18 oz/t Ag, 0.271 oz/t Au.

2) average (#18674 + 82 cm of #18675) over 141 cm  
= 0.01% Cu, 2.74% Pb, 0.54% Zn, 6.068% As, 0.001% WO<sub>3</sub>,  
<0.01% Sn, 0.009% Bi, 1.32 oz/t Ag, 0.200 oz/t Au.

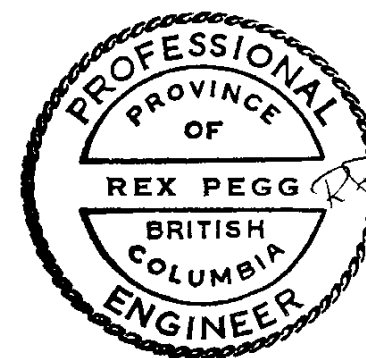
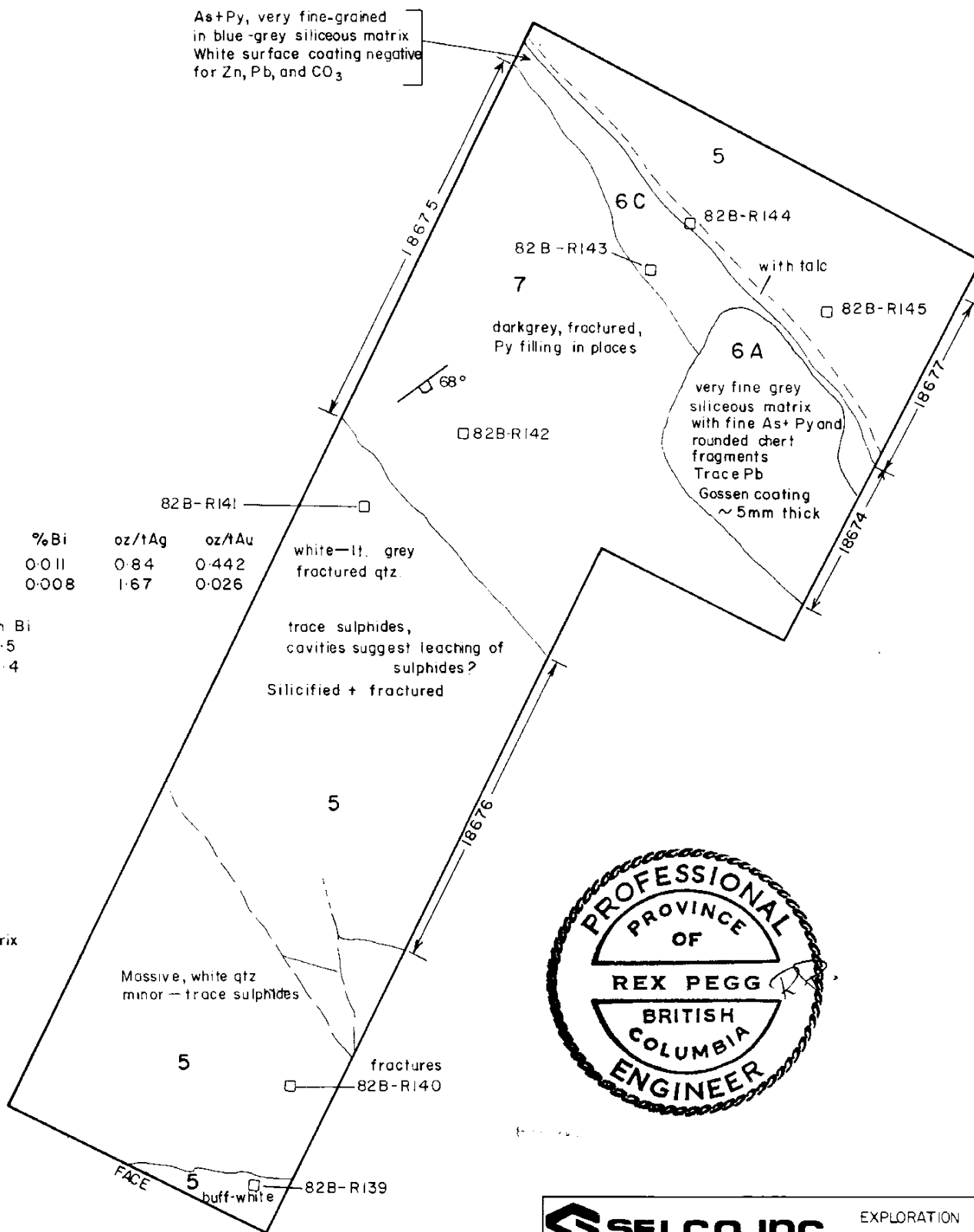


	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz/t Ag	oz/t Au
18674 :	0.02	1.93	1.20	13.200	0.002	<0.01	0.011	0.84	0.442
18675 :	0.01	3.32	0.06	0.937	<0.001	<0.01	0.008	1.67	0.026
	ppm Cu	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi			
18676 :	210	174	565	1	2	0.5			
18677 :	62	185	66	1	1	0.4			

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl-ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As+Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

- 82B-R054 Representative Rock Sample Location
- ←-18613-> Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

## J & L PROSPECT SHOWING # 6

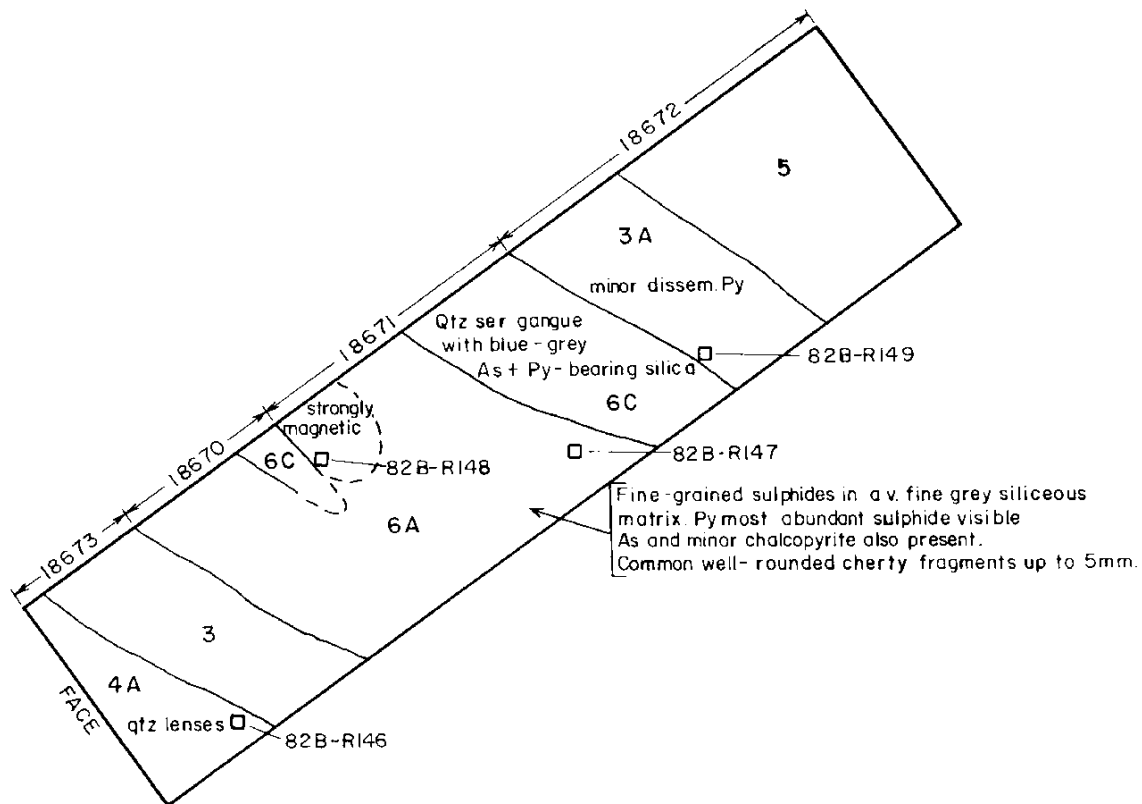
0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982.	82M/8E	27



SHOWING #7

- there is 1 sulphide zone (#18670 + #18671) which is 133 cm wide
- (estimated true width)
  - 1) average (#18670 & #18671) over 133 cm
    - = 0.15% Cu, 2.90% Pb, 2.74% Zn, 3.941% As, 0.001% WO<sub>3</sub>,
    - <0.01% Sn, 0.018% Bi, 2.05 oz/t Ag, 0.400 oz/t Au.



	% Cu	% Pb	% Zn	% As	% WO	% Sn	% Bi	oz/t. Ag	oz/t Au
18670:	0.12	3.00	1.43	8.440	0.002	<0.01	0.018	2.50	0.998
18671:	0.17	2.84	3.53	1.230	<0.001	<0.01	0.018	1.78	0.040
	ppm Cu	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi			
18672:	60	92	45	1	1	0.4			
18673:	65	3400	172	1	5	14.6			

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl-ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As+Py+scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location

←-18613-→ Chip Sample Location



**SELCO INC.** EXPLORATION  
WESTERN CANADA

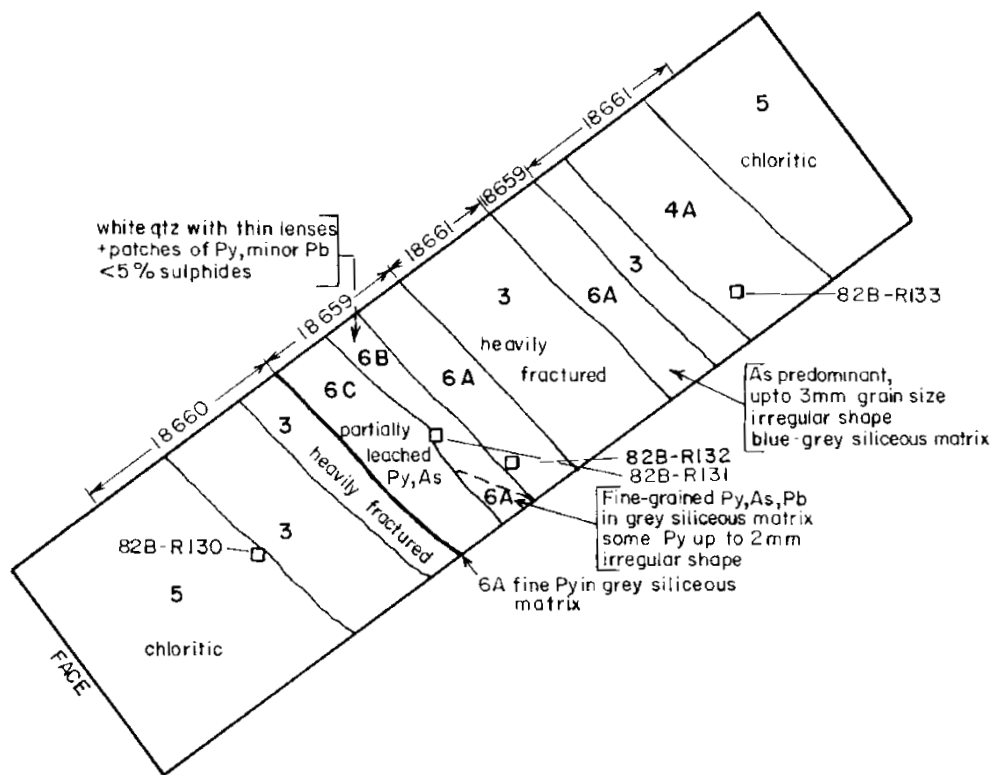
## J & L PROSPECT SHOWING 7



DRAWN BY B. B.	DATE SEPT. 1982	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	28

SHOWING 8

- there are 2 sulphide zones
  - upper zone (#18659) is 15 cm wide
  - country rock (#18661) is 31 cm wide (between zones)
  - lower zone (#18659) is 43 cm wide
    - (estimated true widths)
- this section was not sampled properly as the country rock between the 2 sulphide zones should have been a separate sample rather than being part of the hangingwall sample.



18659: 0.05% Cu, 2.78% Pb, 1.86% Zn, 5.850% As, <0.003% WO<sub>3</sub>, <0.01% Sn, 0.017% Bi, 2.21oz/t. Ag, 0.192oz/t. Au

	ppm Cu	ppm Pb	ppm Zn	ppm W	ppm Sn	ppm Bi
18660:	130	175	158	1	1	1.3
18661:	54	26	60	1	1	0.2

### LEGEND

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl:ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As + Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

- 82B-R054 Representative Rock Sample Location
- ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT  
SHOWING 8**

0 50 100 150 cm

DRAWN BY B. B.	DATE SEPT. 1982.	N.T.S.	FIGURE
TRACED BY J. S.	DATE OCT. 1982	82M/8E	29

SHOWING #9

At this locality, the hangingwall unit was not exposed due to the presence of trees and large roots. The showing consists of 2 narrow sulphide zones, found within the phyllitic schist country rocks.

The upper zone is approximately 14 cm of highly weathered and oxidized massive arsenopyrite and pyrite (Sample #18688) which is underlain by 56 cm of well oxidized and highly weathered sericite schist (#18689) which contains minor amounts of disseminated arsenopyrite and pyrite. The lower zone consists of 7 cm of well weathered and oxidized massive arsenopyrite and pyrite (Sample #18690). The footwall is fissile, well weathered sericite schist which contains trace amounts of disseminated sulphides.

SHOWING #9

<u>Sample No.</u>	<u>Location</u>	<u>%Cu</u>	<u>%Pb</u>	<u>%Zn</u>	<u>%As</u>	<u>%WO<sub>3</sub></u>	<u>%Sn</u>	<u>%Bi</u>	<u>oz/t</u>		<u>Est. True Width (cm)</u>
									<u>Ag</u>	<u>Au</u>	
18688	Upper zone	0.02	0.97	0.10	9.270	0.001	<0.01	0.007	0.53	0.348	14
18689	Between zones	0.02	0.65	0.06	1.600	0.001	<0.01	0.004	0.51	0.050	56
18690	Lower zone	0.01	0.19	0.01	13.000	<0.001	<0.01	0.004	0.24	0.360	7
18691	Footwall	<0.01	0.01	0.01	0.360	0.001	<0.01	0.004	0.03	0.008	69

a) Average grade (#18688-90) over 77 cm

= 0.02% Cu, 0.67% Pb, 0.06% Zn, 4.031% As, 0.001% WO<sub>3</sub>, <0.01% Sn, 0.005% Bi, 0.49 oz/t Ag, 0.132 oz/t Au.

b) Average grade (#18688-90 and 23 cm of #18691) over 100 cm

= 0.02% Cu, 0.52% Pb, 0.05% Zn, 3.187% As, 0.001% WO<sub>3</sub>, <0.01% Sn, 0.005% Bi, 0.38 oz/t Ag, 0.103 oz/t Au.

SHOWING #10

Here, a narrow sulphide zone is overlain by a weakly mineralized schist.

The upper hangingwall is a quartz-sericite <sup>±</sup> chlorite schist which contains minor to trace amounts of disseminated arsenopyrite and pyrite, locally. This unit is underlain by 49 cm of quartz-sericite schist (Sample #18693), mineralized by disseminated arsenopyrite and pyrite and two 2 cm wide massive sulphide bands which are found near the unit's lower contact. The 3 cm wide sulphide zone (Sample #18692) consists of massive arsenopyrite and a minor amount of pyrite and galena. The footwall is a quartz-chlorite schist with minor sericite alteration and minor to trace amounts of disseminated arsenopyrite and pyrite.

SHOWING #10

<u>Sample No.</u>	<u>Location</u>	<u>%Cu</u>	<u>%Pb</u>	<u>%Zn</u>	<u>%As</u>	<u>%WO<sub>3</sub></u>	<u>%Sn</u>	<u>%Bi</u>	<u>oz/t</u>		<u>Est. True Width (cm)</u>
									<u>Ag</u>	<u>Au</u>	
18694	Upper h/w	0.01	0.03	0.02	0.086	<0.001	0.01	0.003	0.02	0.003	69
18693	Lower h/w	<0.01	0.14	0.04	1.600	0.001	0.01	0.005	0.08	0.028	49
18692	Zone	0.02	4.68	1.22	10.100	0.002	0.01	0.010	1.83	0.282	3
18695	Footwall	<0.01	0.01	0.01	0.100	0.001	<0.01	0.005	0.02	0.003	69

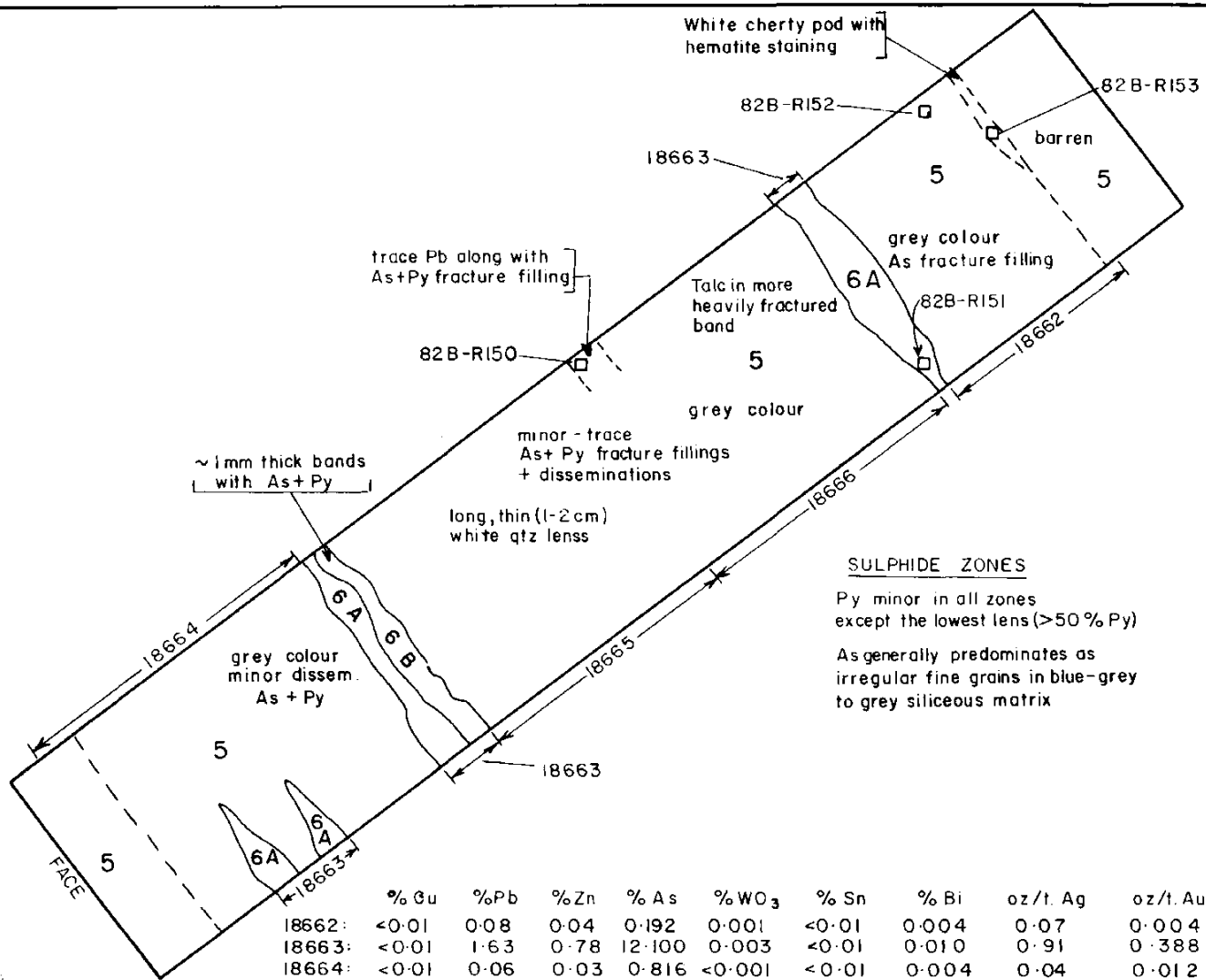
a) Average grade (#18692 and #18693) over 52 cm

= 0.01% Cu, 0.40% Pb, 0.11% Zn, 2.090% As, 0.001% WO<sub>3</sub>, 0.01% Sn, 0.005% Bi, 0.18 oz/t Ag,  
0.043 oz/t Au.



SHOWING #11

- there are 2 sulphide zones as well as an area of coarse sulphide lenses (ignored for the grade calculation).
  
  - upper zone (#18663) is 12 cm wide
  - country rock (#18664 & #18665) is 176 cm wide
  - lower zone (#18663) is 19 cm wide
  - country rock (#18664) is 35 cm wide
  - sulphide lenses (#18663) is 0 to 28 cm wide
  - (estimated true widths)
- 1) average (upper zone + 88 cm of #18666) over 100 cm  
 = <0.01% Cu, 0.24% Pb, 0.13% Zn, 1.573% As, 0.001% WO<sub>3</sub>,  
 <0.01% Sn, 0.003% Bi, 0.13 oz/t Ag, 0.049 oz/t Au.
  
  - 2) average (lower zone + 81 cm of #18665) over 100 cm  
 = <0.01% Cu, 0.37% Pb, 0.16% Zn, 2.348% As, 0.001% WO<sub>3</sub>,  
 <0.01% Sn, 0.004% Bi, 0.19 oz/t Ag, 0.076 oz/t Au.
  
  - 3) average (lower zone + 81 cm of #18664) over 100 cm  
 = <0.01% Cu, 0.36% Pb, 0.17% Zn, 2.960% As, 0.001% WO<sub>3</sub>,  
 <0.01% Sn, 0.005% Bi, 0.21 oz/t Ag, 0.083 oz/t Au.
  
  - 4) average (2 zones + #18665 + #18664) over 207 cm  
 = <0.01% Cu, 0.30% Pb, 0.14% Zn, 1.897% As, 0.001% WO<sub>3</sub>,  
 <0.01% Sn, 0.004% Bi, 0.15 oz/t Ag, 0.061 oz/t Au.



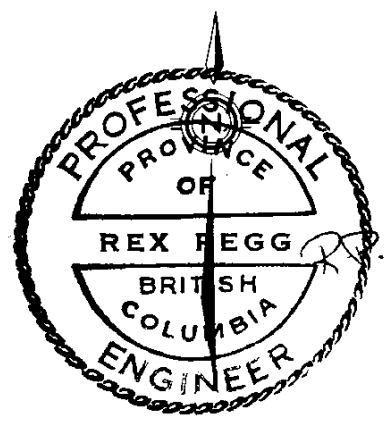
**SULPHIDE ZONES**  
 Py minor in all zones except the lowest lens (>50% Py)  
 As generally predominates as irregular fine grains in blue-grey to grey siliceous matrix

**LEGEND**

	% Cu	% Pb	% Zn	% As	% WO <sub>3</sub>	% Sn	% Bi	oz/t. Ag	oz/t. Au
18662:	<0.01	0.08	0.04	0.192	0.001	<0.01	0.004	0.07	0.004
18663:	<0.01	1.63	0.78	12.100	0.003	<0.01	0.010	0.91	0.388
18664:	<0.01	0.06	0.03	0.816	<0.001	<0.01	0.004	0.04	0.012
18665:	<0.01	0.08	0.02	0.061	0.001	<0.01	0.003	0.02	<0.003
18666:	<0.01	0.05	0.04	0.137	0.001	<0.01	0.002	0.02	0.003

- 1 Blue-grey, crystalline banded limestone, barren
  - 1A Limestone - argillite, dark blue-grey, graphitic, barren
  - 1B Silicified Limestone, dark blue-grey, cherty, irregular banding
- 2 Sericite schist, buff-white, finely foliated, commonly iron-stained
  - 2A Sericite with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 3 Quartz-sericite schist, buff to light green, quartz is crystalline, foliation commonly coarse
  - 3A Quartz with disseminated sulphides, commonly in a blue-grey siliceous matrix
- 4 Chlorite schist, dark green, finely foliated, minor quartz
- 4A Quartz-chlorite schist, dark-light green depending on chl: ser. content, foliation relatively fine
- 5 Quartzite, buff to grey crystalline quartz ± feldspar, sericitic foliation planes
- 6 Sulphide zone (arsenopyrite + pyrite)
  - 6A Massive sulphides in blue-grey siliceous matrix, generally As+Py
  - 6B Lenses and bands of sulphides in white quartz
  - 6C Partially oxidized sulphides, As + Py + scorodite generally present with quartz ± sericite ± talc
  - 6D Oxidized sulphides, usually soil from residual weathering, mainly iron oxides ± scorodite ± graphite
- 7 Chert colour variable, light grey → dark blue. Generally well fractured

□ 82B-R054 Representative Rock Sample Location  
 ←18613→ Chip Sample Location



**SELCO INC.** EXPLORATION WESTERN CANADA

**J & L PROSPECT SHOWING # II**

0 50 100 150 cm

DRAWN BY H. B.	DATE SEPT. 1982.	N.T.S.	FIGURE 30
TRACED BY J. S.	DATE OCT. 1982.	82 M /8E	

SHOWING #11 (continued)

- 5) average (lower zone + 19 cm of #18664) over 38 cm  
= <0.01% Cu, 0.85% Pb, 0.41% Zn, 6.458% As, 0.002% WO<sub>3</sub>,  
<0.01% Sn, 0.007% Bi, 0.48 oz/t Ag, 0.200 oz/t Au.

(estimated true width)

APPENDIX V

TRENCHES/SHOWINGS OF THE COPPER ZONE

DESCRIPTIONS AND RESULTS

COPPER SHOWING #1 (CS<sub>1</sub>)

At this locality, a sulphide zone was observed within relatively clean, white quartzites.

The hangingwall quartzite, which is increasingly sheared up from its' base, has sericite <sup>±</sup> chlorite on its' fracture planes. Disseminated pyrite and minor to trace amounts of arsenopyrite increase in quantity towards the base of the unit which dips 54° to 56° E. The sulphide zone (Sample #18732) is mostly very siliceous with minor arsenopyrite stringers and pyrite aggregates. The upper 3 cm of this unit is fairly fresh, fine-to medium-grained arsenopyrite and minor pyrite. The lower 8 cm is fairly well oxidized vuggy quartz with minor amounts of sericite <sup>±</sup> talc. The footwall consists of 29 cm of barren, white quartzite, underlain by a chlorite-quartz schist.

<u>Sample No.</u>	<u>Location</u>	<u>Est.True Width(cm)</u>	<u>Results</u>
18733	Hangingwall	86	200 ppm Cu, 7 ppm Pb, 12 ppm Zn, 2 ppm W, 1 ppm Sn, 4.6 ppm Bi,
18732	Zone	31	0.03% Cu, 0.03% Pb, <0.01% Zn, 12.400% As, <0.001% WO <sub>3</sub> , 0.02% Sn, 0.014% Bi, 0.34 oz/t Ag, 0.072 oz/t Au.
18734	Footwall	109	64 ppm Cu, 1 ppm Pb, 31 ppm Zn, 2 ppm W, 1 ppm Sn, 0.8 ppm Bi.

COPPER SHOWING #2 (CS<sub>2</sub>)

Here, two narrow sulphide bands were observed within a sheared quartzite.

The hangingwall (Sample #18731) is a quartzite which is relatively clean in composition, but has minor sericite and chlorite fracture filling. Minor to trace amounts of pyrite fracture filling is found throughout this unit and a minor amount of disseminated arsenopyrite was observed at the base. The upper sulphide zone is approximately 3 cm wide and contains coarse pyrite cubes (up to 4 mm across, subhedral to euhedral) and fine-grained arsenopyrite. Between the 2 sulphide zones is 15 cm of sheared, white quartzite with patches and disseminations of arsenopyrite. The lower zone is also 3 cm wide and is comprised of coarse-to fine-grained pyrite and arsenopyrite and minor chalcopyrite in a cherty gangue. The footwall (Sample #18730) consists of 11 cm of sheared quartzite which has sericite along the fracture planes, below which is chlorite-quartz schist that contains abundant coarse pyritic patches. The rocks in this vicinity have a schistosity of  $168^{\circ}/50^{\circ}E$ .

<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width (cm)</u>	<u>Results</u>
18731	hangingwall	153	41 ppm Cu, 4 ppm Pb, 9 ppm Zn, 1 ppm W, 1 ppm Sn, 6.2 ppm Bi.
18729	zone	21	0.90% Cu, 0.02% Pb, 0.01% Zn, 8.09% As, <0.001% WO <sub>3</sub> , 0.01% Sn, 0.014% Bi, 0.93 oz/t Ag, 0.030 oz/t Au.
18730	footwall	115	139 ppm Cu, 3 ppm Pb, 45 ppm Zn, 3 ppm W, 1 ppm Sn, 1.2 ppm Bi.

COPPER SHOWING #3 (CS<sub>3</sub>)

This occurrence consists of a narrow sulphide zone within fractured, sheared quartzite.

The hangingwall is a fractured quartzite which becomes increasingly bleached towards its base and contains a trace amount of sulphides. The sulphide zone, is comprised of massive arsenopyrite, minor to trace amounts of pyrite and chalcopyrite within a quartz-chert-sericite gangue which increases proportionally towards the top and base of the zone. There is also a 1.5 cm white, cherty band near the middle of the zone. The sulphide zone narrows to 7 cm to the north and then becomes 3 separate narrow bands containing a quartz-sericite gangue. The footwall is a fractured quartzite with sericitic fracture filling, numerous bleached zones and minor iron oxide and chlorite alteration. The schistosity of the rocks in the vicinity is 350°/47°NE.

<u>Sample No.</u>	<u>Location</u>	<u>Est.True Width(cm)</u>	<u>Results</u>
18726	hangingwall	73	51 ppm Cu, 25 ppm Pb, 23 ppm Zn, 1 ppm W, 1 ppm Sn, 1.8 ppm Bi.
18725	zone	13	0.12% Cu, 0.05% Pb, 0.01% Zn, 18.300% As, 0.002% WO <sub>3</sub> , 0.01% Sn, 0.029% Bi, 0.32 oz/t Ag, 0.040 oz/t Au.
18727	footwall	73	25 ppm Cu, 22 ppm Pb, 18 ppm Zn, 1 ppm W, 1 ppm Sn, 1.0 ppm Bi.

COPPER TRENCH #1 (CT<sub>1</sub>)

At this location, a narrow sulphide zone was observed within a sheared quartzite.

The hangingwall consists of weakly mineralized, sheared quartzite which was divided into 2 separate samples. The upper hangingwall is a sheared quartzite containing minor disseminated arsenopyrite and pyrite. The lower hangingwall contains minor amounts of disseminated pyrite and arsenopyrite, sericite and a 1 cm wide band of massive arsenopyrite and pyrite, near its lower contact. The sulphide zone consists of massive arsenopyrite, a lesser amount of pyrite and a trace amount of chalcopyrite. The footwall is a relatively barren quartz-sericite-biotite schist with minor interbedded quartzite. The schistosity of the rocks in this area is  $182^{\circ}/52^{\circ}\text{E}$ .



COPPER TRENCH #1

<u>Sample No.</u>	<u>Location</u>	<u>%Cu</u>	<u>%Pb</u>	<u>%Zn</u>	<u>%As</u>	<u>%WO<sub>3</sub></u>	<u>%Sn</u>	<u>%Bi</u>	<u>oz/t</u>		<u>Est. True Width (cm)</u>
									<u>Ag</u>	<u>Au</u>	
18703	Upper h/w	0.01	<0.01	<0.01	0.275	<0.001	<0.01	0.003	0.02	<0.003	79
18701	Lower h/w	0.03	0.03	0.01	0.079	<0.001	<0.01	0.022	0.05	0.004	79
18600	Zone	0.09	0.10	0.01	15.900	<0.002	<0.01	0.035	0.61	0.050	8

18702 - footwall - 79 cm - 11 ppm Pb, 34 ppm Zn, 1 ppm W, 1 ppm Sn, 2.8 ppm Bi, 680 ppm Ba

1. Average (Sample #18600 + 18701 + 13 cm of 18703) over 100 cm

= 0.03% Cu, 0.03% Pb, 0.01% Zn, 1.370% As, <0.001% WO<sub>3</sub>, <0.01% Sn, 0.021% Bi, 0.09 oz/t Ag,  
0.008 oz/t Au.

COPPER TRENCH #2 (CT2)

This large trench revealed a sheared quartzite (309°/38°E) which contains minor sericitic fracture filling throughout and a trace of disseminated pyrite. There are minor thin interbeds of chlorite schist, one of which contains minor carbonate fracture filling, and the quartzite is much more oxidized towards the east end of the trench. No significant mineralization was observed.

<u>Sample No.</u>	<u>Location</u>	<u>Est. True Width (cm)</u>	<u>Results</u>
18577	whole trench	215	6 ppm Pb, 13 ppm Zn, 2 ppm W, 2 ppm Sn, 1.1 ppm Bi, 680 ppm Ba.

APPENDIX VI

GEOCHEMICAL/ASSAY RESULTS



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NOV - 9 1982

NORTH VANCOUVER, B.C.  
CANADA V7J 2C

TELEPHONE: (604) 984-021  
TELEX: 043-5259

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

SELCO

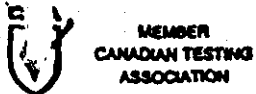
CERT. # : A8213301-00  
INVOICE # : 18213301  
DATE : 15-SEP-82  
P.O. # : NONE

~~10137~~

10115 R.P. M.../..

CC: BRIAN GRANT - CASTLEGAR, B.C.

Sample description	Prep code	Pb ppm	Zn ppm	H ppm	Bi ppm	Ba ppm	
18565	214	3	<del>33</del>	1	0.2	220	--
18566	214	58	1000	1	0.6	1060	--
18567	214	6	155	1	0.3	660	--
18568	214	8	36	1	0.3	260	--
18569	214	2	65	2	0.2	300	--
18570	214	17	117	1	0.6	420	--
18571	214	1	11	1	0.2	120	--
18572	214	3	63	1	0.4	640	--
18574	214	2	36	1	0.4	920	--
18575	214	3	12	1	0.1	180	--
18576	214	1	43	1	0.3	840	--
18577	214	6	13	2	1.1	680	--
18578	214	12	66	1	0.4	260	--
18579	214	6	67	1	0.2	220	--
18580	214	7	35	1	0.4	460	--
18582	214	1450	91	1	2.6	480	--



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NORTH VANCOUVER, B.C.  
CANADA V7J 2C  
TELEPHONE: (604) 984-02:  
TELEX: 043-5255

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• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8213301-00  
INVOICE # : 18213301  
DATE : 15-SEP-82  
P.O. # : NONE

DUP

~~10137~~

10115

R.P. Nov/82

CC: BRIAN GRANT - CASTLEGAR, B.C.

Sample description	Prep code	Pb ppm	Zn ppm	H ppm	Bi ppm	Ba ppm	
18583	214	16	161	1	0.3	420	--
18586	214	31	57	3	0.7	560	--
18592	214	2	59	1	0.3	960	--
18593	214	1	79	1	0.1	200	--
18594	214	1	76	1	0.2	200	--
18595	214	1	36	1	0.2	640	--
18596	214	3	65	1	0.3	300	--
18597	214	27	95	1	0.4	360	--
18603	214	240	198	1	0.4	360	--
18604	214	380	1800	1	0.4	100	--
18606	214	475	290	1	5.2	340	--
18607	214	33	530	1	0.2	220	--
18610	214	415	560	1	7.2	440	--
18611	214	770	1350	1	0.2	160	--
18614	214	400	3500	1	0.2	100	--
18616	214	10	165	1	0.2	440	--
18617	214	27	510	1	0.2	160	--
18619	214	16	62	1	1.4	620	--
18620	214	1020	340	1	8.2	420	--
18621	214	430	260	8	2.4	400	--
18623	214	225	210	1	0.2	220	--
18624	214	510	295	4	2.2	340	--
18626	214	182	270	1	0.3	180	--
18628	214	16	1400	1	0.2	240	--
18629	214	52	144	1	2.0	820	--
18645	214	38	115	1	13.0	400	--
18646	214	93	280	1	0.6	220	--
18648	214	>10000	>10000	1	0.2	100	--
18598	214	13	106	1	0.2	460	--
18599	214	9	24	1	0.2	280	--
18634	214	3	23	1	0.4	240	--
18635	214	45	56	1	14.8	420	--
18637	214	5	1700	1	0.4	220	--
18640	214	80	240	1	1.8	640	--
18651	214	77	280	1	0.4	360	--
18653	214	2	54	1	1.0	640	--
18654	214	350	137	1	1.0	680	--
18702	214	11	34	1	2.8	680	--



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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

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TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

SEP - 1 1982

CERT. # : A8212931-001-A  
INVOICE # : 18212931  
DATE : 30-AUG-82  
P.O. # : NONE  
10115

CC: BRIAN GRANT, CASTLEGAR

CC: REX PEGG, REVELSTOKE

Sample description	Prep code	Sn ppm						
18565	205	1	--	--	--	--	--	--
18566	205	1	--	--	--	--	--	--
18567	205	1	--	--	--	--	--	--
18568	205	1	--	--	--	--	--	--
18569	205	1	--	--	--	--	--	--
18570	205	1	--	--	--	--	--	--
18571	205	1	--	--	--	--	--	--
18572	205	1	--	--	--	--	--	--
18574	205	1	--	--	--	--	--	--
18575	205	2	--	--	--	--	--	--
18576	205	1	--	--	--	--	--	--
18577	205	2	--	--	--	--	--	--
18578	205	1	--	--	--	--	--	--
18579	205	1	--	--	--	--	--	--
18580	205	1	--	--	--	--	--	--
18582	205	1	--	--	--	--	--	--
18583	205	2	--	--	--	--	--	--
18586	205	1	--	--	--	--	--	--
18592	205	1	--	--	--	--	--	--
18593	205	1	--	--	--	--	--	--
18594	205	1	--	--	--	--	--	--
18595	205	1	--	--	--	--	--	--
18596	205	1	--	--	--	--	--	--
18597	205	1	--	--	--	--	--	--
18603	205	1	--	--	--	--	--	--
18604	205	1	--	--	--	--	--	--
18606	205	1	--	--	--	--	--	--
18607	205	1	--	--	--	--	--	--
18610	205	1	--	--	--	--	--	--
18611	205	1	--	--	--	--	--	--
18614	205	1	--	--	--	--	--	--
18616	205	1	--	--	--	--	--	--
18617	205	1	--	--	--	--	--	--
18619	205	2	--	--	--	--	--	--
18620	205	1	--	--	--	--	--	--
18621	205	1	--	--	--	--	--	--
18623	205	1	--	--	--	--	--	--
18624	205	2	--	--	--	--	--	--
18626	205	1	--	--	--	--	--	--

Certified by *Hart Buchler*





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CANADA V7J 2C1

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• GEOCHEMISTS

• REGISTERED ASSAYERS

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8213067-001-A  
INVOICE # : 18213067  
DATE : 22-SEP-82  
P.O. # : NONE  
10115

SEP 24 1982

CC: BRIAN GRANT, CC: REX PEGG

Sample description	Prep code	Sn ppm						
18598	205	1	--	--	--	--	--	--
18599	205	1	--	--	--	--	--	--
18634	205	1	--	--	--	--	--	--
18635	205	1	--	--	--	--	--	--
18637	205	1	--	--	--	--	--	--
18640	205	1	--	--	--	--	--	--
18651	205	1	--	--	--	--	--	--
18653	205	1	--	--	--	--	--	--
18654	205	1	--	--	--	--	--	--
18702	205	1	--	--	--	--	--	--



Certified by: *Hart Bichler*



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TO : SELCO MINING CORPORATION LTD.,

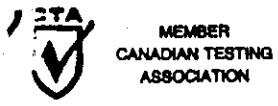
STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

SEP - 1 1982

CERT. # : A8212931-002-A  
INVOICE # : 18212931  
DATE : 30-AUG-82  
P.O. # : NONE  
10115

CC: BRIAN GRANT, CASTLEGAR CC: REX PEGG, REVELSTOKE

Sample description	Prep code	Sn ppm						
18628	205	2	--	--	--	--	--	--
18629	205	3	--	--	--	--	--	--
18645	205	2	--	--	--	--	--	--
18646	205	1	--	--	--	--	--	--
18648	205	2	--	--	--	--	--	--



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TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8213960-001-A  
INV. # : 18213960  
DATE : 20-OCT-82  
P.O. # : NONE  
10115

ATTN: REX PEGG CC: BRIAN GRANT

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	W ppm	Sn ppm	Bi ppm
18697	205	42	980	50	1	1	8.6
18699	205	43	465	132	1	1	1.3
18714	205	42	72	87	1	1	1.0
18719	205	51	15	42	1	1	0.2
18724	205	39	820	88	1	1	2.0
18726	205	51	25	23	1	1	1.8
18727	205	25	22	18	1	1	1.0
18730	205	139	3	45	3	1	1.2
18731	205	41	4	9	1	1	6.2
18733	205	200	7	12	2	1	4.6
18734	205	64	1	31	2	1	0.8
18738	205	50	1	63	1	1	1.2



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• GEOCHEMISTS

• REGISTERED ASSAYERS

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STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

OCT 27 1982

CERT. # : A8213764-001-A  
INVOICE # : 18213764  
DATE : 26-OCT-82  
P.O. # : NONE  
10115

ATTN: REX PEGG, CC: BRIAN GRANT, CASTLEGAR

Sample description	Prep code	Cu %	Pb %	Zn %	As NAA %	WO3 NAA %	Sn %
18688	207	0.02	0.97	0.10	9.270	0.001	<0.01
18689	207	0.02	0.65	0.06	1.600	0.001	<0.01
18690	207	0.01	0.19	0.01	13.000	<0.001	<0.01
18691	207	<0.01	0.01	0.01	0.360	0.001	<0.01
18692	207	0.02	4.68	1.22	10.100	0.002	0.01
18693	207	<0.01	0.14	0.04	1.600	0.001	0.01
18694	207	0.01	0.03	0.02	0.086	<0.001	0.01
18695	207	<0.01	0.01	0.01	0.100	0.001	<0.01
18696	207	0.05	1.48	0.65	4.700	0.002	<0.01
18698	207	0.01	0.07	0.02	0.993	0.001	<0.01
18707	207	0.02	1.06	0.05	7.320	<0.001	<0.01
18708	207	0.14	0.04	0.04	3.130	0.001	<0.01
18709	207	0.08	3.29	1.24	14.200	0.003	<0.01
18710	207	0.02	0.10	0.03	1.500	<0.001	<0.01
18711	207	0.40	5.22	6.94	6.460	0.002	0.02
18712	207	0.03	0.08	0.07	1.290	<0.001	<0.01
18713	207	0.01	0.04	0.01	1.660	<0.001	<0.01
18715	207	0.01	0.18	0.02	4.660	0.001	<0.01
18716	207	0.07	5.32	1.62	11.600	0.005	<0.01
18717	207	0.01	1.16	0.14	7.280	<0.001	<0.01
18718	207	0.01	0.23	0.04	0.979	0.001	<0.01
18720	207	<0.01	0.42	0.02	3.330	0.002	<0.01
18721	207	0.29	5.38	2.96	7.160	0.001	<0.01
18722	207	0.02	0.51	0.05	3.140	0.001	<0.01
18723	207	0.11	1.20	1.08	5.790	0.002	<0.01

.....  
Registered Assayer, Province of British Columbia





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CANADA V7J 2C1

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TELEX: 043-52597

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• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8213764-001-B  
INVOICE # : 18213764  
DATE : 26-OCT-82  
P.O. # : NONE  
10115

OCT 27 1982

ATTN: REX PEGG, CC: BRIAN GRANT, CASTLEGAR

Sample description	Prep code	Bi %	Ag FA oz/T	Au FA oz/t			
18688	207	0.007	0.53	0.348	--	--	--
18689	207	0.004	0.51	0.050	--	--	--
18690	207	0.004	0.24	0.360	--	--	--
18691	207	0.004	0.03	0.008	--	--	--
18692	207	0.010	1.83	0.282	--	--	--
18693	207	0.005	0.08	0.028	--	--	--
18694	207	0.003	0.02	0.003	--	--	--
18695	207	0.005	0.02	0.003	--	--	--
18696	207	0.011	1.21	0.088	--	--	--
18698	207	0.004	0.03	0.003	--	--	--
18707	207	0.007	1.12	0.212	--	--	--
18708	207	0.009	0.05	0.012	--	--	--
18709	207	0.011	1.59	0.510	--	--	--
18710	207	0.006	0.06	0.016	--	--	--
18711	207	0.011	4.98	0.332	--	--	--
18712	207	0.004	0.05	0.008	--	--	--
18713	207	0.009	0.19	0.010	--	--	--
18715	207	0.006	0.08	0.006	--	--	--
18716	207	0.012	5.73	0.630	--	--	--
18717	207	0.004	2.13	0.270	--	--	--
18718	207	0.004	0.26	0.036	--	--	--
18720	207	0.004	0.51	0.092	--	--	--
18721	207	0.013	5.51	0.350	--	--	--
18722	207	0.004	0.47	0.068	--	--	--
18723	207	0.005	1.59	0.234	--	--	--

.....  
Registered Assayer, Province of British Columbia





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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

OCT 22 1982

CERT. # : A8213657-001-A  
INVOICE # : 18213657  
DATE : 21-OCT-82  
P.O. # : NONE  
10115

ATTN: REX PEGG CC: BRIAN GRANT

Sample description	Prep code	Cu %	Pb %	Zn %	As NAA %	WO3 NAA %	Sn %
18658	207	0.05	0.84	0.02	10.600	0.003	<0.01
18659	207	0.05	2.78	1.86	5.850	<0.003	<0.01
18662	207	<0.01	0.08	0.04	0.192	0.001	<0.01
18663	207	<0.01	1.63	0.78	12.100	0.003	<0.01
18664	207	<0.01	0.06	0.03	0.816	<0.001	<0.01
18665	207	<0.01	0.08	0.02	0.061	0.001	<0.01
18666	207	<0.01	0.05	0.04	0.137	0.001	<0.01
18667	207	0.13	1.31	0.06	17.200	<0.004	<0.01
18670	207	0.12	3.00	1.43	8.440	0.002	<0.01
18671	207	0.17	2.84	3.53	1.230	<0.001	<0.01
18674	207	0.02	1.93	1.20	13.200	0.002	<0.01
18675	207	0.01	3.32	0.06	0.937	<0.001	<0.01
18678	207	0.20	3.56	1.77	9.490	0.001	<0.01
18686	207	0.02	0.01	0.01	1.920	0.001	<0.01

.....  
Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

OCT 22 1982

CERT. # : A8213657-001-8  
INVOICE # : 18213657  
DATE : 21-OCT-82  
P.C. # : NONE  
10115

ATTN: REX PEGG CC: BRIAN GRANT

Sample description	Prep code	Bi %	Ag FA oz/T	Au FA oz/t			
18658	207	0.016	0.96	0.320	--	--	--
18659	207	0.017	2.21	0.192	--	--	--
18662	207	0.004	0.07	0.004	--	--	--
18663	207	0.010	0.91	0.388	--	--	--
18664	207	0.004	0.04	0.012	--	--	--
18665	207	0.003	0.02	<0.003	--	--	--
18666	207	0.002	0.02	0.003	--	--	--
18667	207	0.015	0.95	0.690	--	--	--
18670	207	0.018	2.50	0.998	--	--	--
18671	207	0.018	1.78	0.040	--	--	--
18674	207	0.011	0.84	0.442	--	--	--
18675	207	0.008	1.67	0.026	--	--	--
18678	207	0.018	5.56	0.520	--	--	--
18686	207	0.009	0.03	0.003	--	--	--

.....  
Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

AUG 12 1982

CERT. # : A8212327-001-A  
INVOICE # : 18212327  
DATE : 10-AUG-82  
P.O. # : NONE

CC: BRIAN GRANT

CC: REX PEGG

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	W ppm	Sn ppm
18551	205	172	690	52	7.6	1	1
18552	205	300	65	90	0.7	1	1
18553	205	400	7	49	0.2	1	1
18554	205	21	19	51	0.1	1	1
18555	205	29	15	65	0.1	1	1
18560	205	15	39	173	0.1	1	1
18561	205	27	32	85	0.1	1	1
18563	205	15	7	30	0.1	1	1
18564	205	26	6	103	0.1	1	1

*Hart Bichler*

Certified by .....





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

AUG 12 1982

CERT. # : A8212327-001-E  
INVOICE # : 18212327  
DATE : 10-AUG-82  
P.O. # : NONE

CC: BRIAN GRANT

CC: REX PEGG

Sample description	Prep code	Bi ppm	Au ppm	FA+AA ppb				
18551	205	47.0	1800		--	--	--	--
18552	205	0.9	85		--	--	--	--
18553	205	0.9	30		--	--	--	--
18554	205	0.2	15		--	--	--	--
18555	205	0.1	5		--	--	--	--
18560	205	0.2	10		--	--	--	--
18561	205	0.7	5		--	--	--	--
18563	205	0.1	10		--	--	--	--
18564	205	0.4	10		--	--	--	--



Certified by *Hart Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8213066-001-A  
INVOICE # : I8213066  
DATE : 15-SEP-82  
P.O. # : NONE  
10115

SEP 17 1982

CC: BRIAN GRANT CC: REX PEGG

Sample description	Prep code	Cu %	Pb %	Zn %	As NAA %	WO3 NAA %	Sn %
18600	207	0.09	0.10	0.01	15.900	<0.002	<0.01
18630	207	0.03	<0.01	<0.01	1.010	<0.001	<0.01
18631	207	0.21	1.30	1.43	6.140	0.002	<0.01
18632	207	0.20	0.64	8.22	0.843	0.001	<0.01
18633	207	<0.01	0.08	0.05	3.150	0.001	<0.01
18636	207	0.09	0.07	0.25	1.620	<0.002	<0.01
18638	207	0.06	0.39	0.41	9.670	<0.002	<0.01
18639	207	0.01	0.29	0.04	5.230	<0.001	<0.01
18641	207	0.07	0.54	0.31	15.000	<0.002	<0.01
18642	207	0.24	1.42	1.92	12.100	0.002	<0.01
18652	207	0.04	0.64	0.46	11.800	<0.004	<0.01
18655	207	<0.01	0.04	0.03	0.520	0.001	<0.01
18656	207	0.01	0.02	0.02	0.141	<0.001	<0.01
18701	207	0.03	0.03	0.01	0.079	<0.001	<0.01
18703	207	0.01	<0.01	<0.01	0.275	<0.001	<0.01

Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8213066-001-B  
INVOICE # : 18213066  
DATE : 15-SEP-82  
P.O. # : NONE  
10115

CC: BRIAN GRANT CC: REX PEGG

Sample description	Prep code	Bi %	Ag FA oz/T	Au FA oz/t			
18600	207	0.035	0.61	0.050	--	--	--
18630	207	0.001	0.07	0.003	--	--	--
18631	207	0.003	1.84	<u>0.298</u>	--	--	--
18632	207	0.003	0.76	0.040	--	--	--
18633	207	0.001	0.15	0.052	--	--	--
18636	207	0.003	0.28	0.080	--	--	--
18638	207	0.003	0.59	<u>0.262</u>	--	--	--
18639	207	0.005	0.64	<u>0.252</u>	--	--	--
18641	207	0.003	0.74	<u>0.274</u>	--	--	--
18642	207	0.006	2.65	<u>0.382</u>	--	--	--
18652	207	0.005	0.84	<u>0.320</u>	--	--	--
18655	207	0.001	0.04	<u>0.018</u>	--	--	--
18656	207	0.004	0.07	0.006	--	--	--
18701	207	0.022	0.05	0.004	--	--	--
18703	207	0.003	0.02	<0.003	--	--	--

*R. Swaites*

Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

SEP 24 1982

CERT. # : A8212923-001-A  
INVOICE # : 18212923  
DATE : 23-SEP-82  
P.O. # : NONE  
10115

CC: BRIAN GRANT, CASTLEGAR, CC: REX PEGG, REVELSTOKE

Sample description	Prep code	Cu %	Pb %	Zn %	As NAA %	W03 NAA %	Sn %
18608	207	0.03	0.55	0.11	11.200	<0.002	<0.01
18612	207	0.02	0.36	0.04	1.910	0.001	<0.01
18613	207	0.03	3.11	1.24	16.500	<0.001	<0.01
18615	207	0.03	1.39	0.06	16.500	<0.001	<0.01
18618	207	0.02	0.10	0.01	4.210	<0.001	<0.01
18622	207	0.11	4.34	1.39	10.300	0.003	<0.01
18625	207	0.16	4.74	0.87	9.490	0.001	<0.01
18627	207	0.11	1.22	1.22	11.000	<0.002	<0.01
18643	207	0.14	2.28	0.43	5.850	0.001	<0.01
18644	207	0.02	0.54	0.06	3.330	<0.001	<0.01
18647	207	0.16	6.34	0.20	8.790	<0.001	<0.01
18649	207	0.10	1.17	0.55	6.410	<0.001	<0.01
18650	207	0.04	1.90	0.17	4.160	<0.001	<0.01
18581	207	0.02	0.86	0.87	23.100	<0.002	<0.01
18584	207	<0.01	0.09	0.06	1.250	0.001	<0.01
18585	207	0.07	5.93	4.11	3.250	<0.001	<0.01

↑  
R.P.  
Nov 1/82

Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

SEP 24 1982

CERT. # : A8212923-001-8  
INVOICE # : I8212923  
DATE : 23-SEP-82  
P.O. # : NONE  
10115

CC: BRIAN GRANT, CASTLEGAR, CC: REX PEGG, REVELSTOKE

Sample description	Prep code	Bi %	Ag FA oz/T	Au FA oz/t			
18608	207	0.008	0.75	0.272	--	--	--
18612	207	0.004	0.39	0.048	--	--	--
18613	207	0.008	1.95	0.624	--	--	--
18615	207	0.010	2.57	0.806	--	--	--
18618	207	0.006	0.19	0.048	--	--	--
18622	207	0.008	2.44	0.696	--	--	--
18625	207	0.009	2.77	0.228	--	--	--
18627	207	0.011	2.05	0.566	--	--	--
18643	207	0.009	2.71	0.268	--	--	--
18644	207	0.008	0.65	0.092	--	--	--
18647	207	0.010	3.89	0.244	--	--	--
18649	207	0.007	1.06	0.198	--	--	--
18650	207	0.005	1.10	0.134	--	--	--
18681	207	0.013	0.81	0.172	--	--	--
18684	207	0.004	0.07	0.012	--	--	--
18685	207	0.008	3.52	0.078	--	--	--

1  
R.P.  
Nov/82

Registered Assayer, Province of British Columbia





# CHEMEX LABS LTD.

212 BROADBANK AVE  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV 24 1982

CERT. # : A8213961-001-  
INVOICE # : 18213961  
DATE : 26-OCT-82  
P.O. # : NONE  
10115

ATTN: REX PEGG CC: BRIAN GRANT

Sample description	Prep code	Cu %	Pb %	Zn %	As NAA %	WO3 NAA %	Sn %
18725	207	0.12	0.05	<0.01	18.300	0.002	0.01
18729	207	0.90	0.02	0.01	8.090	<0.001	0.01
18732	207	0.03	0.03	<0.01	12.400	<0.001	0.02
18735	207	0.01	0.15	0.65	2.590	<0.001	0.01
18736	207	<0.01	0.02	0.03	0.908	0.001	0.01
18737	207	0.01	0.17	0.06	0.517	0.001	0.01
18739	207	0.03	0.06	0.01	0.107	<0.001	<0.01



.....  
Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

272 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.

STE. 402-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

NOV 24 1982

CERT. # : A8213961-001-8  
INVOICE # : 18213961  
DATE : 26-OCT-82  
P.O. # : NONE  
10115

ATTN: REX PEGG CC: BRIAN GRANT

Sample description	Prep code	Bi %	Ag FA oz/T	Au FA oz/t			
18725	207	0.029	0.32	0.040	--	--	--
18729	207	0.014	0.93	0.030	--	--	--
18732	207	0.014	0.34	0.072	--	--	--
18735	207	0.003	0.30	0.050	--	--	--
18736	207	0.002	0.03	0.012	--	--	--
18737	207	0.002	0.20	0.006	--	--	--
18739	207	0.010	0.48	0.030	--	--	--



Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

212 BROOKSBANK A  
NORTH VANCOUVER, B.C.  
CANADA V7J 1A1  
TELEPHONE: (604) 984-1111  
TELEX: 043-52

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 502-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8212328-01  
INVOICE # : I8212328  
DATE : 6-AUG-82  
P.O. # : NONE

CC: BRIAN GRANT

CC: REX PEGG

Sample description	Prep code	SiO2 (WRA) %	Al2O3 (WRA) %	Fe2O3 (WRA) %	TiO2 (WRA) %	MgO (WRA) %	CaO (WRA) %
18562	208	36.91	0.77	0.81	0.03	11.87	19.52



MEMBER  
CANADIAN TESTING  
ASSOCIATION

.....  
*Stefano*  
Registered Assayer, Province of British Columbia



# CHEMEX LABS LTD.

212 BROOKSBANK A  
NORTH VANCOUVER, B.C.  
CANADA V7J 2  
TELEPHONE: (604) 984-  
TELEX: 043-52

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : SELCO MINING CORPORATION LTD.,

STE. 502-535 THURLOW STREET  
VANCOUVER, B.C.  
V6E 3L2

CERT. # : A8212328-0  
INVOICE # : 18212328  
DATE : 6-AUG-82  
P.O. # : NONE

CC: BRIAN GRANT

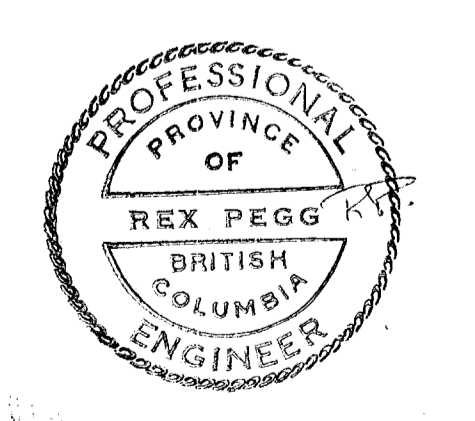
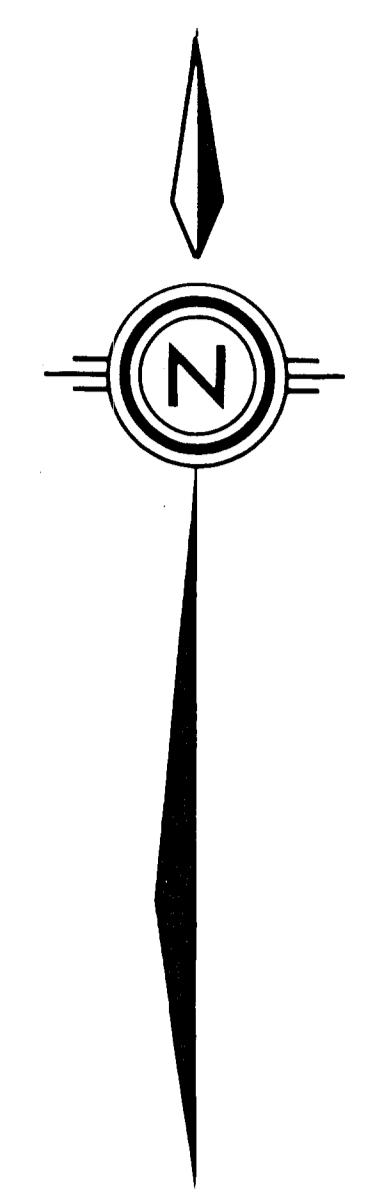
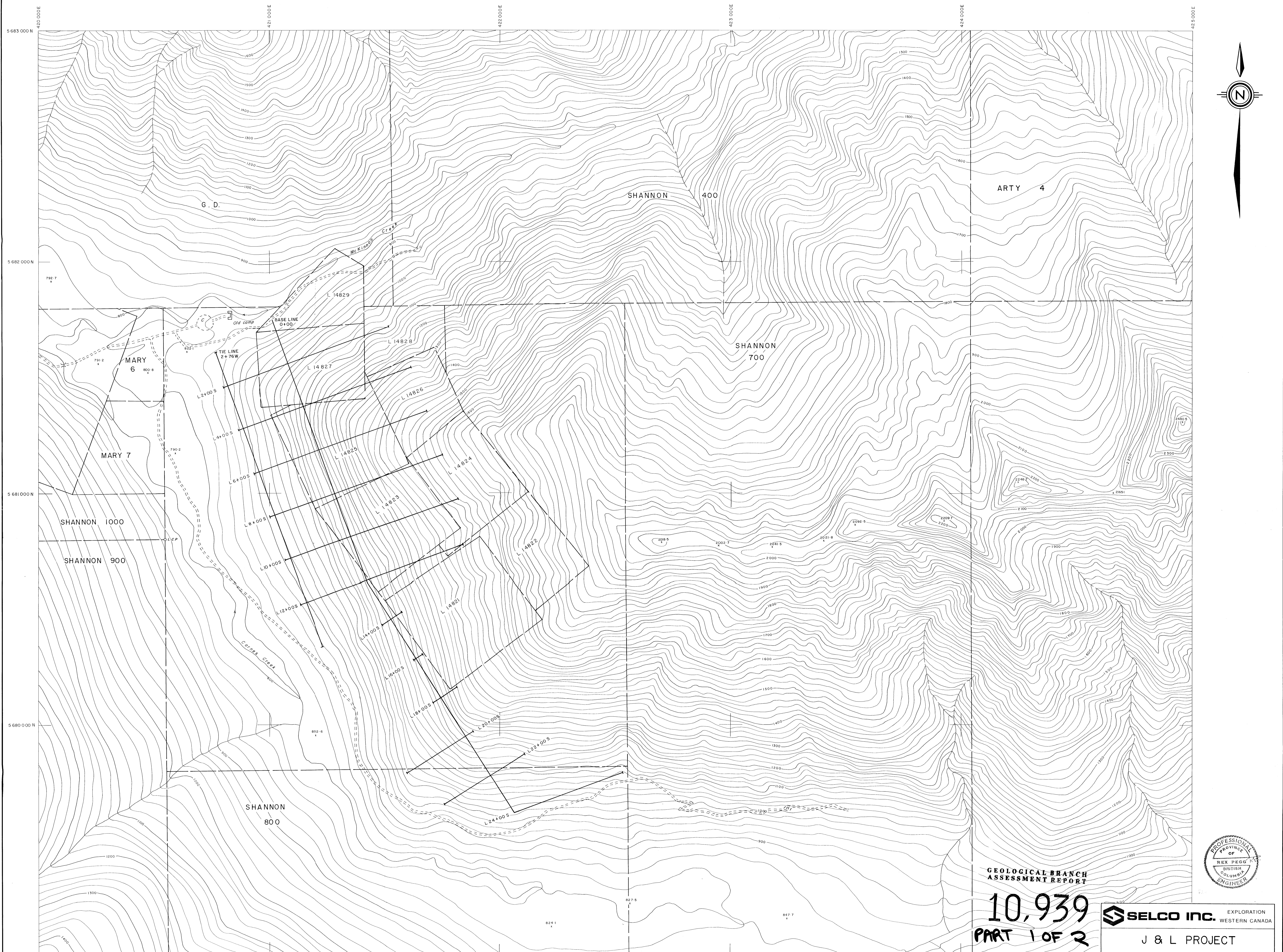
CC: REX PEGG

Sample description	Prep code	Na2O (WRA) %	K2O (WRA) %	P2O5 (WRA) %	LOI (WRA) %
18562	208	0.31	0.03	0.23	28.56



MEMBER  
CANADIAN TESTING  
ASSOCIATION

.....  
*Stan Amari*  
.....  
Registered Assayer, Province of British Columbia



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,939  
PART 1 OF 2

**SELCO INC.** EXPLORATION  
WESTERN CANADA

**J & L PROJECT  
PHYSICAL WORK PLAN**

SCALE 1:5,000

DRAWN BY R.P.	DATE NOV. 1982	N.T.S.	PLAN I
TRACED BY J.S.	DATE NOV. 1982	82M/8 E	

- LEGEND**
- == ROAD (NEW OR IMPROVED)
  - - - NEW CAMPSITE (CLEARED)
  - NEW HELICOPTER PAD (CLEARED)
  - NEW BRIDGE
  - SURVEY GRID
  - CLAIM BOUNDARY
  - CREEK
  - CLAIM BOUNDARIES TAKEN FROM GOVERNMENT CLAIM MAP.

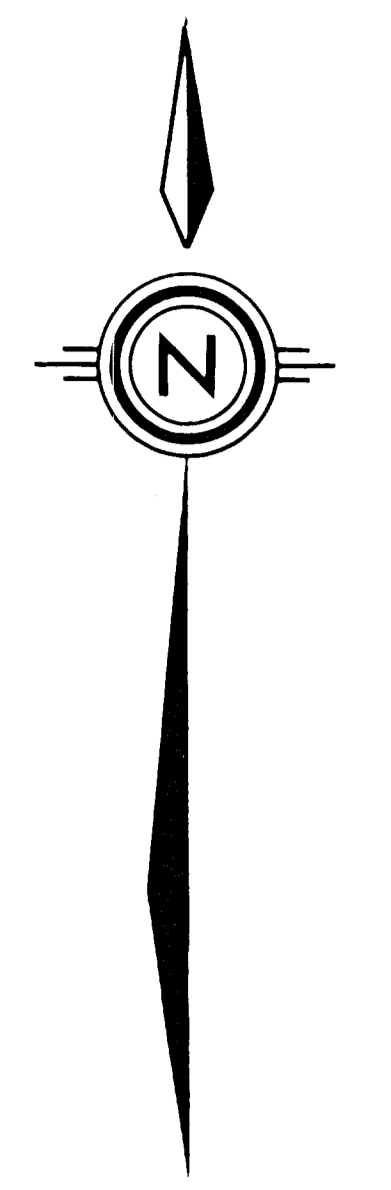
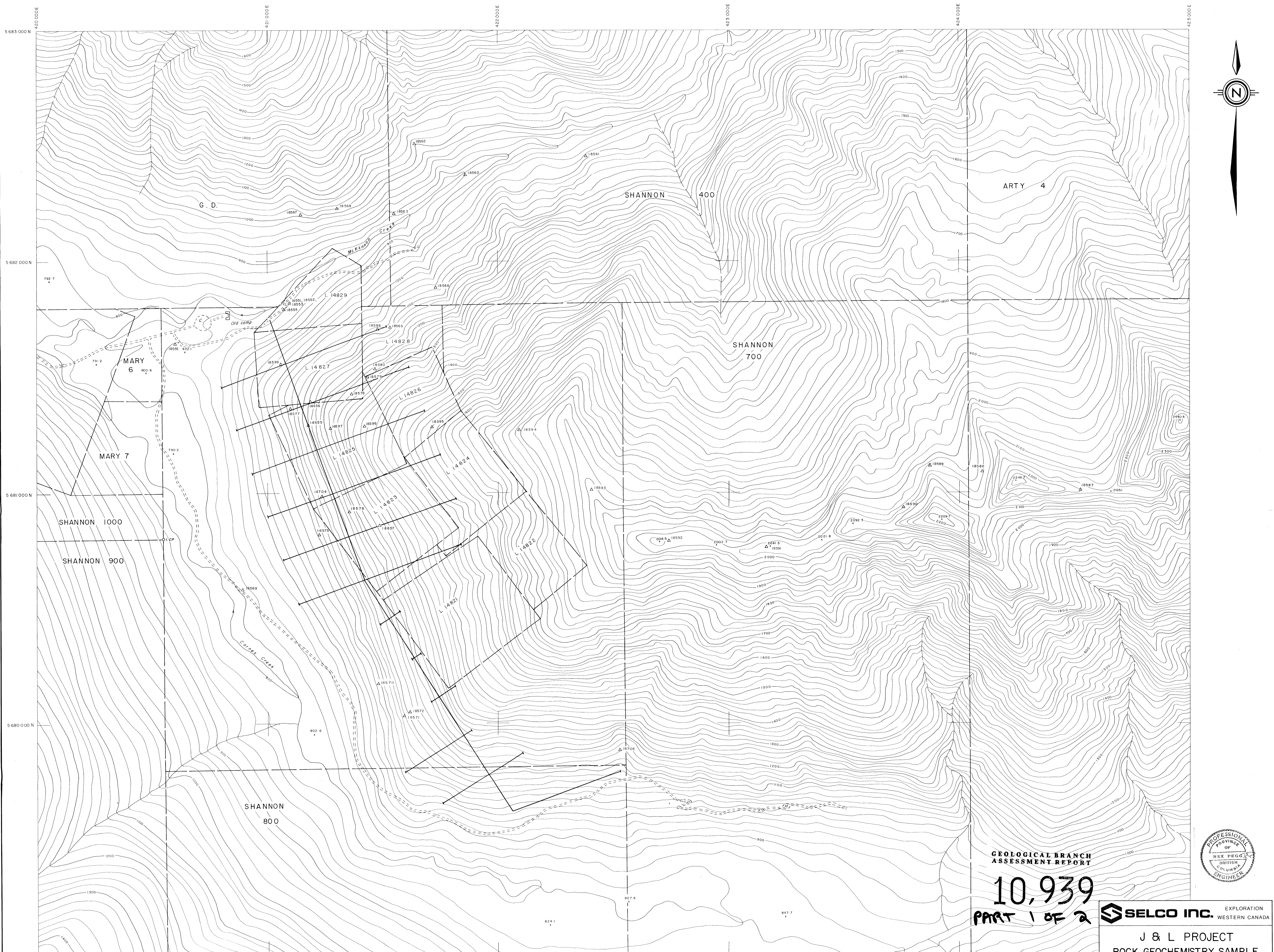
NOTE: Compiled from aerial photography at a scale of 1:75,000 taken in Aug 1970. Contour interval 20 metres.

0 100 200 300 400 500 metres  
0 500 1000 5000 feet

SHEET INDEX

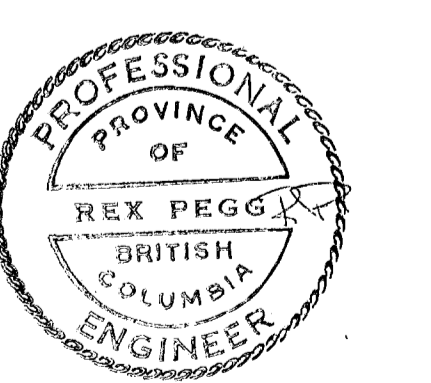
A	B
C	D
A	B
C	D





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,939  
PART 1 OF 2



**SELCO INC.** EXPLORATION  
WESTERN CANADA

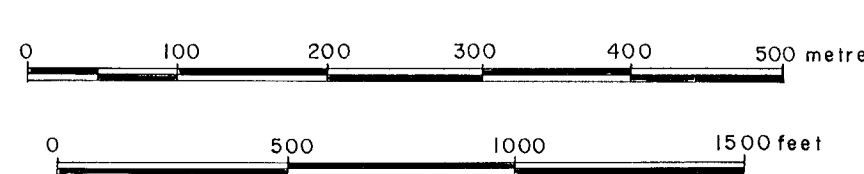
**J & L PROJECT  
ROCK GEOCHEMISTRY SAMPLE  
LOCATIONS**

DRAWN BY R.P.		DATE NOV. 1982		SCALE 1:5,000		N.T.S.		PLAN	
TRACED BY J.S.		DATE NOV. 1982		82M/BE		2			

**LEGEND**

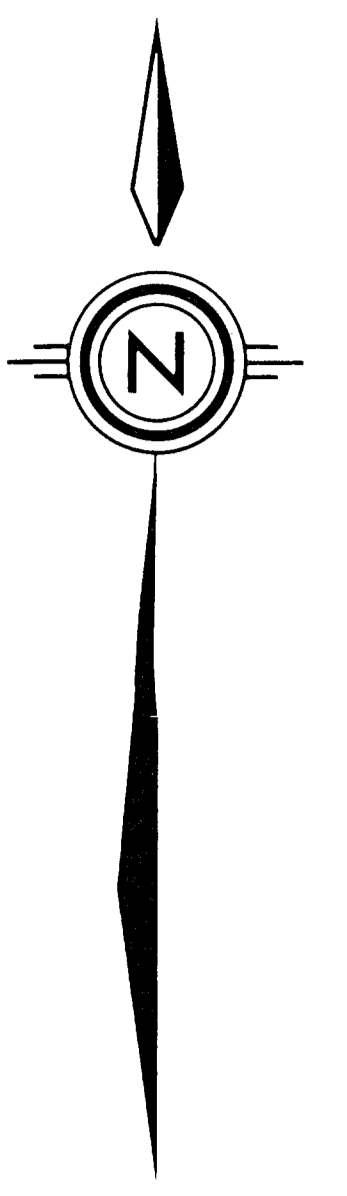
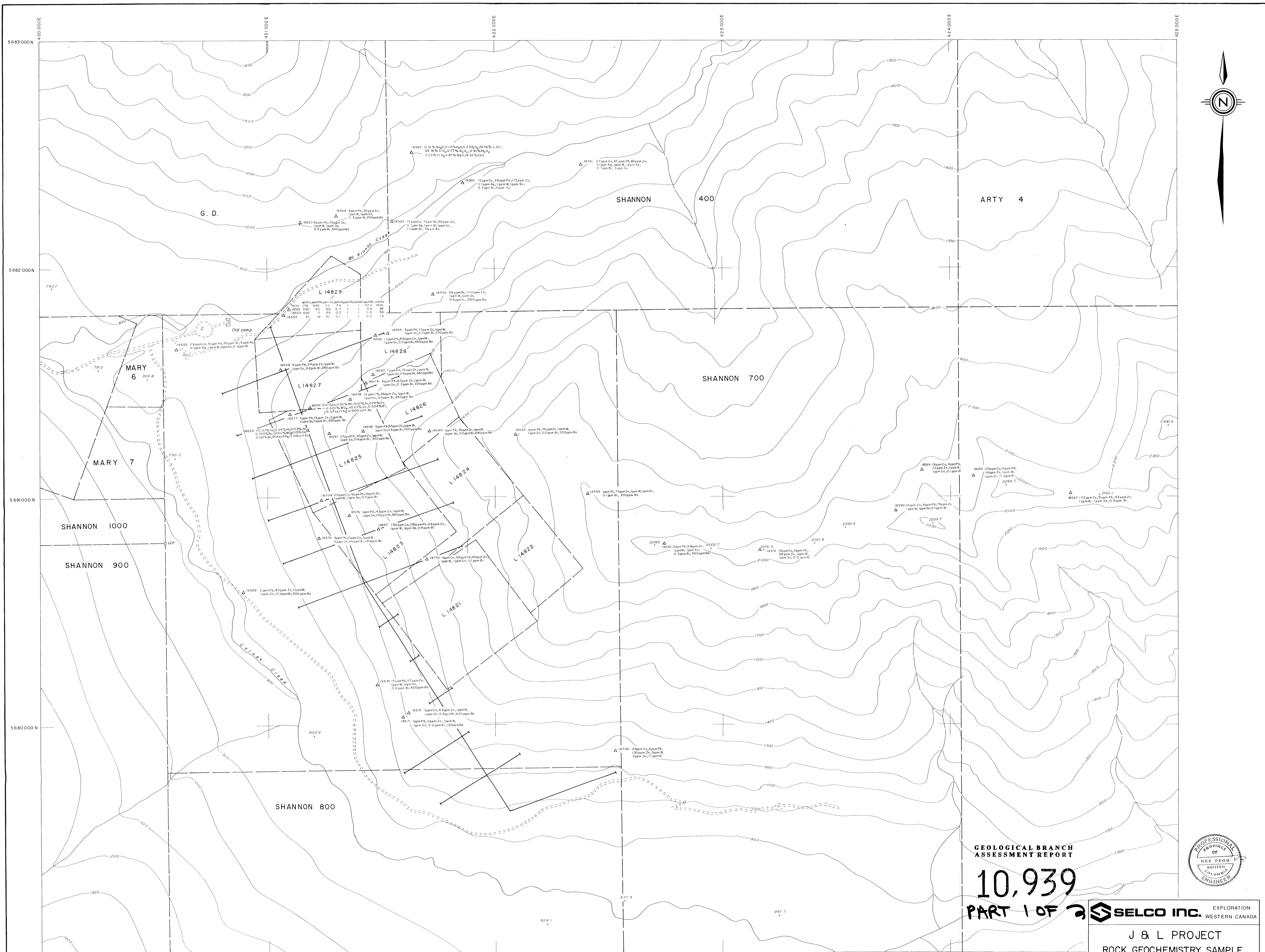
- 18566 Δ ROCK SAMPLE LOCATION
- == ROAD (NEW OR IMPROVED)
- NEW CAMPSITE (CLEARED)
- NEW HELICOPTER PAD (CLEARED)
- NEW BRIDGE
- SURVEY GRID
- CLAIM BOUNDARY
- CREEK
- CLAIM BOUNDARIES TAKEN FROM GOVERNMENT CLAIM MAP

NOTE: Compiled from aerial photography at a scale of 1:75,000 taken in Aug 1970. Contour interval 20 metres.



SHEET INDEX

A	B
C	D
A	B
C	D



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

10,939  
PART 1 OF 2

SELCO INC. EXPLORATION  
WESTERN CANADA

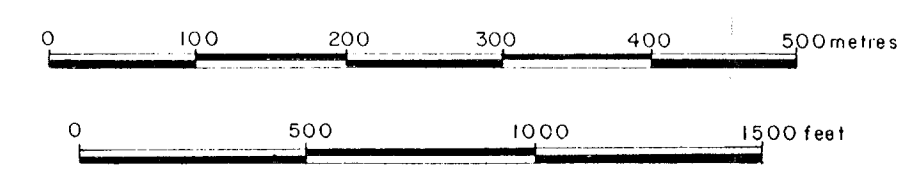
J & L PROJECT  
ROCK GEOCHEMISTRY SAMPLE  
RESULTS

SCALE 1:5,000			
DRAWN BY R.P.	DATE NOV 1982	N.T.S.	PLAN 3
TRACED BY J.S.	DATE NOV 1982	82M/8E	

LEGEND

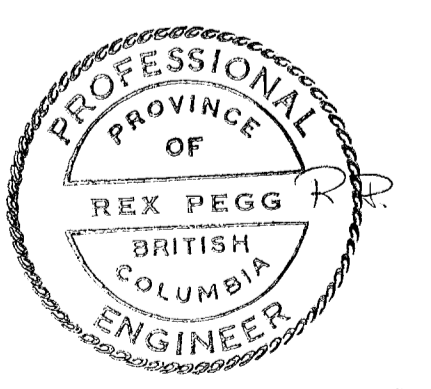
- 18568 Δ ROCK SAMPLE LOCATION
- == ROAD (NEW OR IMPROVED)
- NEW CAMP SITE (CLEARED)
- NEW HELICOPTER PAD (CLEARED)
- NEW BRIDGE
- SURVEY GRID
- CLAIM BOUNDARY
- CREEK
- CLAIM BOUNDARIES TAKEN FROM GOVERNMENT CLAIM MAP.

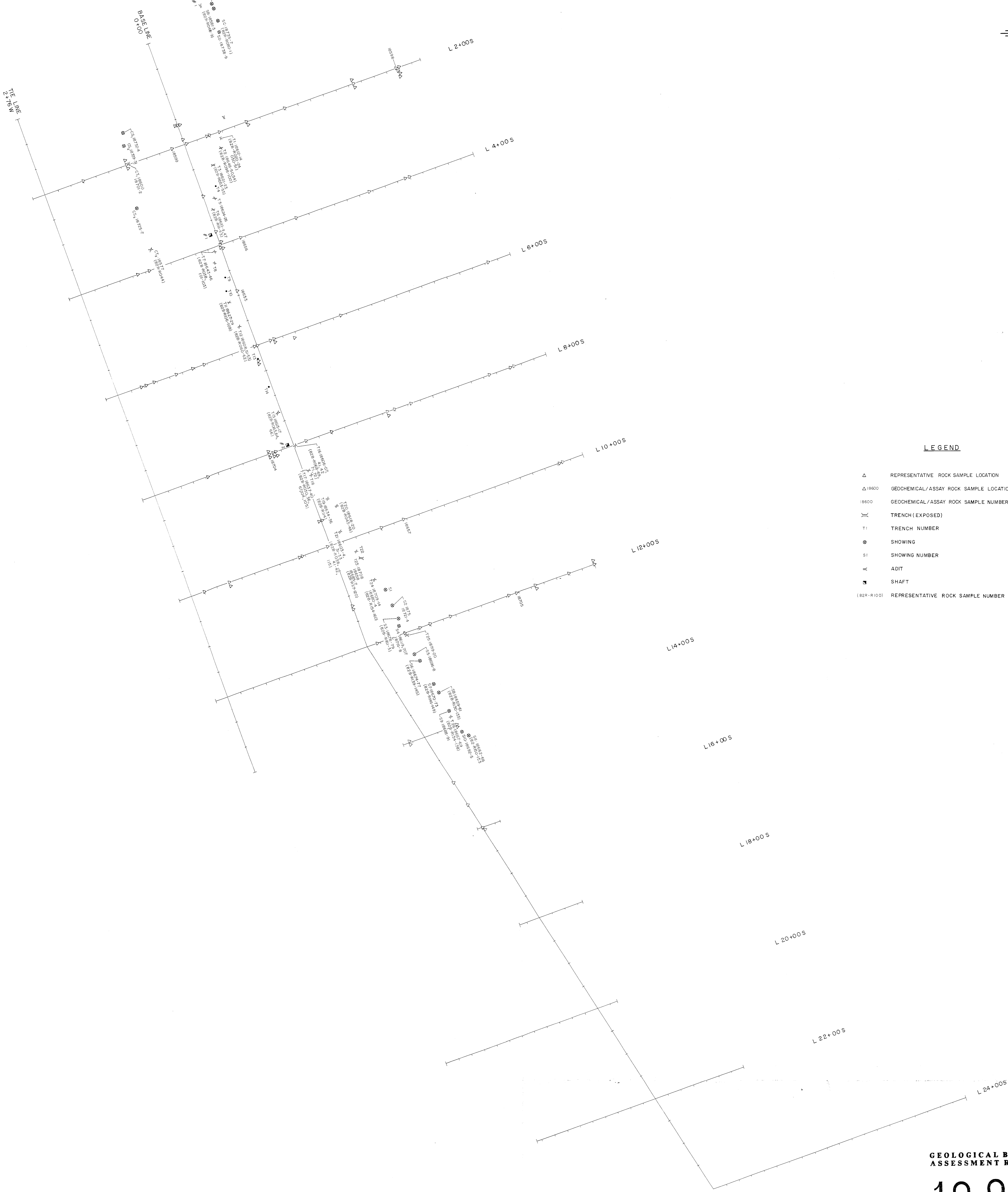
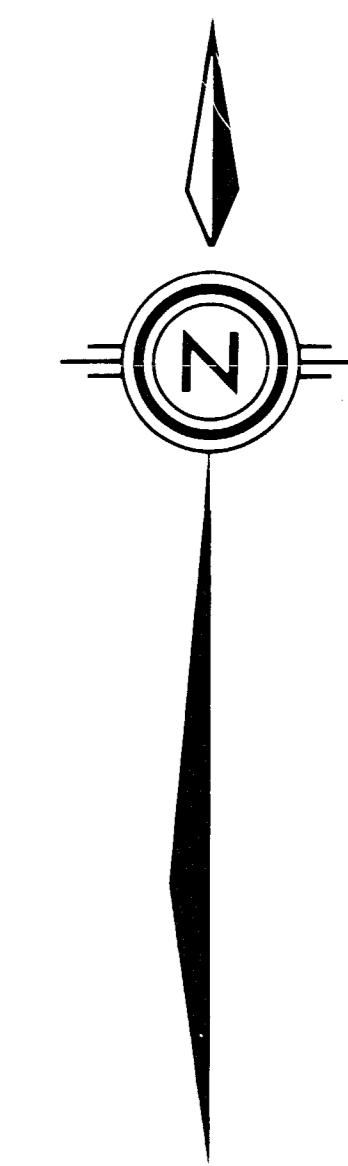
NOTE: Compiled from aerial photography at a scale of 1:75,000 flown Aug. 1970  
Contour interval 20 metres



SHEET INDEX

A	B
C	D
A	B
C	D



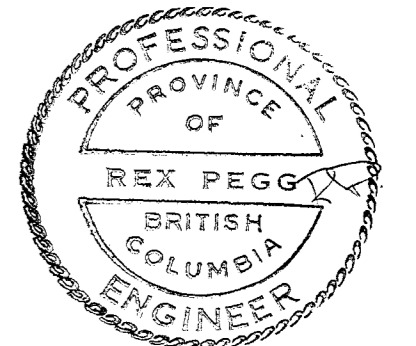


**LEGEND**

- △ REPRESENTATIVE ROCK SAMPLE LOCATION
- △ 18600 GEOCHEMICAL/ASSAY ROCK SAMPLE LOCATION
- 18600 GEOCHEMICAL/ASSAY ROCK SAMPLE NUMBER
- ( ) TRENCH (EXPOSED)
- T1 TRENCH NUMBER
- SHOWING
- S1 SHOWING NUMBER
- A ADIT
- SHAFT
- (828-R10D) REPRESENTATIVE ROCK SAMPLE NUMBER

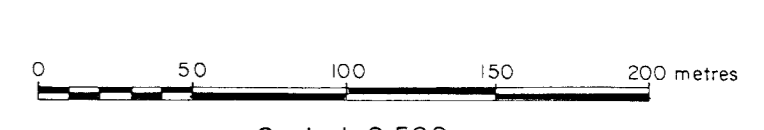
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**10,939**  
**PART 1 OF 2**



**SELCO INC.** EXPLORATION  
WESTERN CANADA

**J & L PROJECT  
GOAT MTN. GRID  
SAMPLE LOCATIONS**



DRAWN BY R.P.	DATE NOV. 1982	N.T.S.	PLAN
TRACED BY J.S.	DATE DEC. 1982	82 M/8 E	<b>4</b>

5 681 000N

5 681 000N

5 680 000N

5 680 000N

421 000 E

422 000 E