

84-#84 - 12042

REPORT ON THE C1-C6 GROUP OF CLAIMS,
WILSON CREEK AREA, SLOGAN MINING DIVISION,
BRITISH COLUMBIA, CANADA **GEOLOGICAL BRANCH**
ASSESSMENT REPORT

FOR **12,042**

ALEX STREBCHUCK, HILLS, B.C.

COVERING:

C1 CLAIM	(20 UNITS)	RECORD NO.	3532	(2)
C2 CLAIM	(8 UNITS)	RECORD NO.	3533	(2)
C3 CLAIM	(4 UNITS)	RECORD NO.	3534	(2)
C4 CLAIM	(15 UNITS)	RECORD NO.	3535	(2)
C5 CLAIM	(9 UNITS)	RECORD NO.	3666	(3)
C6 CLAIM	(12 UNITS)	RECORD NO.	3667	(3)

LOCATED:

Lat. 40° 09' Long. 117° 23'

NTS 82K3/W

Elev. 3000 feet (914 meters) ASL

PREPARED BY:

P.J. Santos, P. Eng.

Castlegar, B.C. February 7, 1984

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1. SUMMARY

An area about seven and a half hectares (one third unit) was mapped and studied in detail in the C1-C6 property located in the Slocan Division of British Columbia. Two types of precious metal mineralization were identified during the survey. One type of gold mineralization is associated with a silicified zone in a granitic intrusive. Assays in this type ranged from .003 oz/ton Au, .17 oz/ton Ag to .196 oz/ton Au, .09 oz/ton Ag. The other type of gold mineralization appears to be associated with pyritic and magnetite-bearing green meta-volcanics (serpentinized andesite and basalt. Further exploration is recommended.

2. INTRODUCTION

Upon request of Alex Strebchuck of Hills, B.C., owner of the Cl-C6 property, a geological survey involving detailed geological mapping, sampling, and prospecting was conducted by the author on April 7 and 8 and October 9 and 10, 1983. The purpose of this study was to determine the type of precious metal mineralization in the property and to recommend a suitable exploration program if warranted.

3. LOCATION AND ACCESS

The Cl-C6 mining property is located in the Slocan Mining Division northwest of the confluence of Wilson Creek and Fitzstubb's Creek at latitude $50^{\circ} 48'$ and longitude $117^{\circ} 23'$ (see Fig. 1) on National Topographic Sheet 82K3/W. The claims cover the area on both sides of Fitzstubb's Creek.

Access to the property is by way of the Wilson Creek road which joins Highway No. 6 at Roseberry, B.C. It is 15 kilometers to the property from this junction (see Plate 3).

The claims lie between the elevation of 3000 feet (914 meters) and 6300 feet (1920 meters) above sea level. The topography is rugged for the most part and covered with merchantable timber.

4. CLAIMS

The claims are located in the Slocan Mining Division of B.C. and are plotted on Mineral Titles Map M82K/3W (see Plate 2). These claims are all contiguous metric unit claims and are listed below:

Claim Name	No. of Units	Record No.	Recording Date
C1	20	3532 (2)	Feb. 22, 1983
C2	8	3533 (2)	Feb. 22, 1983
C3	4	3534 (2)	Feb. 22, 1983
C4	15	3535 (2)	Feb. 22, 1983
C5	9	3536 (3)	Mar. 31, 1983
C6	12	3537 (3)	Mar. 31, 1983

The above information was compiled from Mr. Strebchuck's copies of the Record of Mineral Claim (Form G).

5. HISTORY

Part of the C1-C6 property was originally staked by Alex Strebchuck in 1966 and held by him till 1980. He did physical work on the property such as trenching and stripping, and prospecting. It was held by Peter Leontowics of Hills, B.C. from 1981 to 1982. In January 1983, Mr. Strebchuck re-staked the property as the C1-C6 group of claims. Previous to 1984 no geological report has ever been written on the property.

After the property was re-acquired, further prospecting, trenching, rock sampling, and soil sampling were done by Mr. Strebchuck.

6. REGIONAL GEOLOGY

The area in which the property lies is sandwiched between the Kuskanax Batholith in the north and the Nelson Batholith in the south on the northeast limb of the Slocan Synclorium (Hyndman). It lies in a belt of Paleozoic to Upper Paleozoic rock units which comprise the upper units of the Kootenay Arc (See Plate 4), an arcuate belt of deformed sedimentary, volcanic, and metamorphic rocks in British Columbia that lies between the Purcell Anticlinorium on the east and the Shuswap Metamorphic Complex on the west (Fyles, 1970, see Plate 4).

The oldest rocks in the area consists of metamorphosed volcanic rocks belonging to the Paleozoic to Mesozoic Kaslo Group (J. O. Wheeler).

Sedimentary rocks in the area consists of argillites, phyllites, slates, and limestone of the Slocan Group which range in age from Triassic to Jurassic (J.O. Wheeler).

A series of alkalic to calc-alkalic plutons ranging in age from middle Jurassic to Tertiary have intruded the entire area (Little 1960, Hyndman, 1968, Wheeler 1965, Read 1976).

7. LOCAL GEOLOGY

The property is generally underlain by rock units of the Kaslo Group, Slocan Group, and granitic intrusions probably related to the Kuskanax Batholith.

A series of intercalated green serpentine, andesite, and basalt flows belonging to the Kaslo Group are exposed on the C4 Claim 16 kilometers north of Roseberry along the Wilson Creek road (see Plate 5). The volcanics range from andesite to basalt and exhibit various degrees of serpentinization. Some flows are thoroughly altered to serpentine. The serpentine contain disseminated pyrite and magnetite along certain horizons. A sample of the pyritic and magnetite-bearing meta-volcanics assayed .004 oz/ton Au, less than .001 oz /ton Pt, less than .01% Ni, and less than .01% Co. Thin, apparently barren quartz veins follow the flow-bedding of the meta-volcanics at this exposure.

A reconnaissance of the property indicates that it is about 30% underlain by the Kaslo Group but more attention was paid to the other parts of the property during this survey because there are more gold occurrences elsewhere.

The property for the most part is underlain by black, carbonaceous argillites, slates, and phyllites of the Slocan Group. (about 50% of the property). Between Km 15 and Km 16 from Roseberry, a highly sheared and contorted series of Slocan sediments are ex-

posed. The argillites are typically carbonaceous, thin-bedded, generally of silt-size but some interbeds are sandy and gritty. Occasionally the series contain thin-bedded, black limestone layers and thin to medium-bedded, gray to brown sandstone layers. Sills and dykes of rhyolite and medium-grained granite occur within the Slocan Sediments. A pink, coarse grained, equigranular granite intrudes the the Slocan Group (see Plate 5). At Km 15, this intrusion is at fault contact with the Slocan sediments (see Fig. 3).

The Slocan Group overlies discordantly the Kaslo Group (Cairnes). At the exposure on the C4 claim the meta-volcanics of the Kaslo Group appear to overlie the Slocan Group due to faulting. (see Plate 5 Section B-B').

Granitic intrusions in the form of dykes, sills, and stocks invade the Slocan Group and the Kaslo Group. Due to the proximity of this area to the Kuskanax Batholith to the north, these intrusions probably correlates with the Kuskanax Batholith, which essentially has a granitic composition. At Km 15, one of these stocks is at fault contact with the black argillites of the Slocan Group.

A silicified zone is developed at the periphery of this granitic stock ranging in thickness from .35 meter to a meter thick. A schematic geologic cross section of this silicified zone is shown

on Plate 5 (Section A-A') to depict the relationship of this zone with the other rock units.

Sulfide mineralization consisting of disseminated pyrite and galena occurs within the silicified zone (See Fig. 2). Samples taken from the trenches cut on this silicified zone are as follows:

# 26915	.003 oz/ton Au, .17 oz/ton Ag
# C1-3	.028 oz/ton Au, .35 oz/ton Ag
# C1-2	.196 oz/ton Au, .09 oz/ton Ag

The assay certificates are found in the Appendix of this report. There appears to be no direct correlation of gold mineralization with the pyrite and galena. No free gold was observed megascopically.

The above assay results indicate significant gold mineralization associated with the silicified zone. The Slocan sediments adjacent to the intrusive was not sampled during this survey since there is no discernible silicification or mineralization. This may due however to the fact that the contact is a fault contact and this fault is post-mineralization.

The dominant structure found in the property during the survey is the fault that trend 15°NW. The dip of this fault was not determined but it is presumed to be vertical. It cuts all the

formations in this area and is probably a post-mineralization fault. Schematic geologic cross sections A-A' and B-B' are shown on Plate 5 depicting this fault. On Fig. 3 is a photograph of this fault looking east showing sheared Slocan sediments in contact with the granite intrusive.

8. CONCLUSIONS AND RECOMMENDATIONS

The results of this detailed geologic study of a portion of the C1-C6 property indicate two types of precious metal mineralization.

The first type involves gold and silver mineralization in a silicified zone in a granitic stock. There appears to be no direct relationship of the gold mineralization with the sulfides (pyrite and galena) disseminated in the silicified zone. No free gold was observed megascopically during the survey.

The second type involves gold mineralization in greenstone (serpentinized andesite and basalt) which appears to be associated with the disseminated pyrite and magnetite. No free gold was megascopically observed.

The property has a fair potential as a gold prospect and further exploration is recommended.

More detailed mapping and soil sampling should be done on

system of grid lines. A test line should be run across each of the two types of gold mineralization and the A and B soil horizons sampled and analyzed for gold and silver to determine which horizon will be sampled for the rest of the property.

Since there appears to be a relationship of the gold mineralization with the magnetite in the Kaslo Volcanics, a magnetometer survey on the portion of the property underlain by the Kaslo Volcanics will be very useful.

9. STATEMENT OF COSTS

Dates of Work:

P. J. Santos:

Fieldwork: April 7 & 8, 1983
 October 9 & 10, 1983

Report Preparation:

January 28, 29, 30, & 31, 1984
 February 1, 2, 3, & 4, 1984

Wages:

Geologist:

Fieldwork:	4 days @ \$300/day	\$1200.00	
Report:	4 days @ \$250/day	1000.00	
Drafting:	3 days @ \$80./day	<u>240.00</u>	
		\$2440.00	\$2440.00

Accommodation:

4 days @ \$44.50	\$178.00	178.00
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Vehicle:

4X4 pick-up, 4 days @ \$55.00	\$ 220.00	
Diesel Fuel	<u>30.80</u>	
	\$ 250.80	250.80

Analyses:

Assays (Au, Ag, Pt, Ni, Co)	\$ 100.45	
Freight	<u>15.95</u>	
	\$ 116.40	116.40

Miscellaneous:

Equipment & supplies	\$ 25.00	
Typing, printing, color processing, plasticizing	<u>115.00</u>	
	\$ 140.00	140.00

TOTAL	\$3125.20
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+

3,000.00 physical

6125.20

TEL.

10. BIBLIOGRAPHY

- Cairnes, C.E. - Slocan mining camp, British Columbia,
1934 GSC Mem. 173 , 137 pp
- Hedley, M.S. - Geology and ore deposits of Sandon Area,
1952 Slocan Mining Division, British Columbia,
B.C. Dept. of Mines Bull. 29, 130 pp
- Hyndman, D.W. - Petrology and structure of Nakusp map-area,
1968 British Columbia, GSC Bull. 161, 95 pp
- Little, H. W. - Nelson map-area, west half, British Columbia,
1960 GSC Mem. 308, 203 pp.
- Read, P.B. - Geology, Lardeau west half, British Columbia,
1976 GSC open file map
- Weissenborn, A.E. - Editor, Lead-zinc deposits in the Kootenay
Arc, N.E. Wash. and adjacent B.C., State
of Wash. Dept. of Nat. Res. Bull 61, 123 pp

11. STATEMENT OF QUALIFICATIONS

I, Perfecto J. Santos, hereby certify:

1. That I am a Consulting Geological Engineer residing at 626 - 9th Avenue, Castlegar, B.C., Canada,
2. That I am a registered Professional Engineer in the Province of British Columbia, Canada,
3. That I am a graduate of the College of Engineering, University of the Philippines with a Bachelor of Science degree in Mining Engineering (Geology Option),
4. That I have been practicing my profession for the past twenty three years,
5. That I personally carried out the work as described in this report on the C1-C6 Property owned by Alex Strebchuck of Hills, British Columbia, Canada.



P. J. Santos, P. Eng.

Consulting Geological Engineer

12. APPENDIX

(a) Assay Certificates

(b) Illustrations



KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.

V2C 5P5

PHONE: (604) 372-2784 — TELEX: 048-8320

CERTIFICATE OF ASSAY

**B.C. LICENSED ASSAYERS
GEOCHEMICAL ANALYSTS
METALLURGISTS**

TO Mr. Alex Strebchuk
R.R. #1
New Denver, B.C.

Certificate No. K-5476

Date June 1, 1983

I hereby certify that the following are the results of assays made by us upon the herein described _____ samples

Kral No	Marked	Au	Ag						
		ounces/ton	ounces/ton						
1	C1-2	.196	.09						
2	C1-3	.028	.35						

14

NOTE:
Rejects retained three weeks
Pulps retained three months
unless otherwise arranged

Registered Assayer, Province of British Columbia



KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

912 - 1 LAVAL CRESCENT — KAMLOOPS, B.C.
V2C 5P5
PHONE: (604) 372-2784 — TELEX: 048-8320

B.C. LICENSED ASSAYERS
GEOCHEMICAL ANALYSTS
METALLURGISTS

CERTIFICATE OF ASSAY

TO Mr. P. J. Santos
626 - 9th Avenue
Castlegar, B.C. V1N 1M4

Certificate No. K-5440
Date May 10, 1983

MISCELLANEOUS

I hereby certify that the following are the results of assays made by us upon the herein described _____ samples

Kral No.	Marked	Au	Ag	Pt	Cu	Ni	Co	Cd	Pb	Zn
		ounces/ton	ounces/ton	ozs/ton	percent	percent	percent	percent	percent	percent
1	12032	.192	.82	L.001	4.06	-	-	-	-	-
2	13998	.024	48.1	-	-	-	-	-	-	-
3	13999	.172	.06	-	-	-	-	-	-	-
4	14000	.005	77.4	-	-	-	-	.19	8.95	26.4
5	26915	.003	.17	L.001	-	-	-	-	-	-
6	26916	.004	-	L.001	-	L.01	L.01	-	-	-

L means "Less than"

15

NOTE:
Rejects retained three weeks.
Pulps retained three months
unless otherwise arranged.

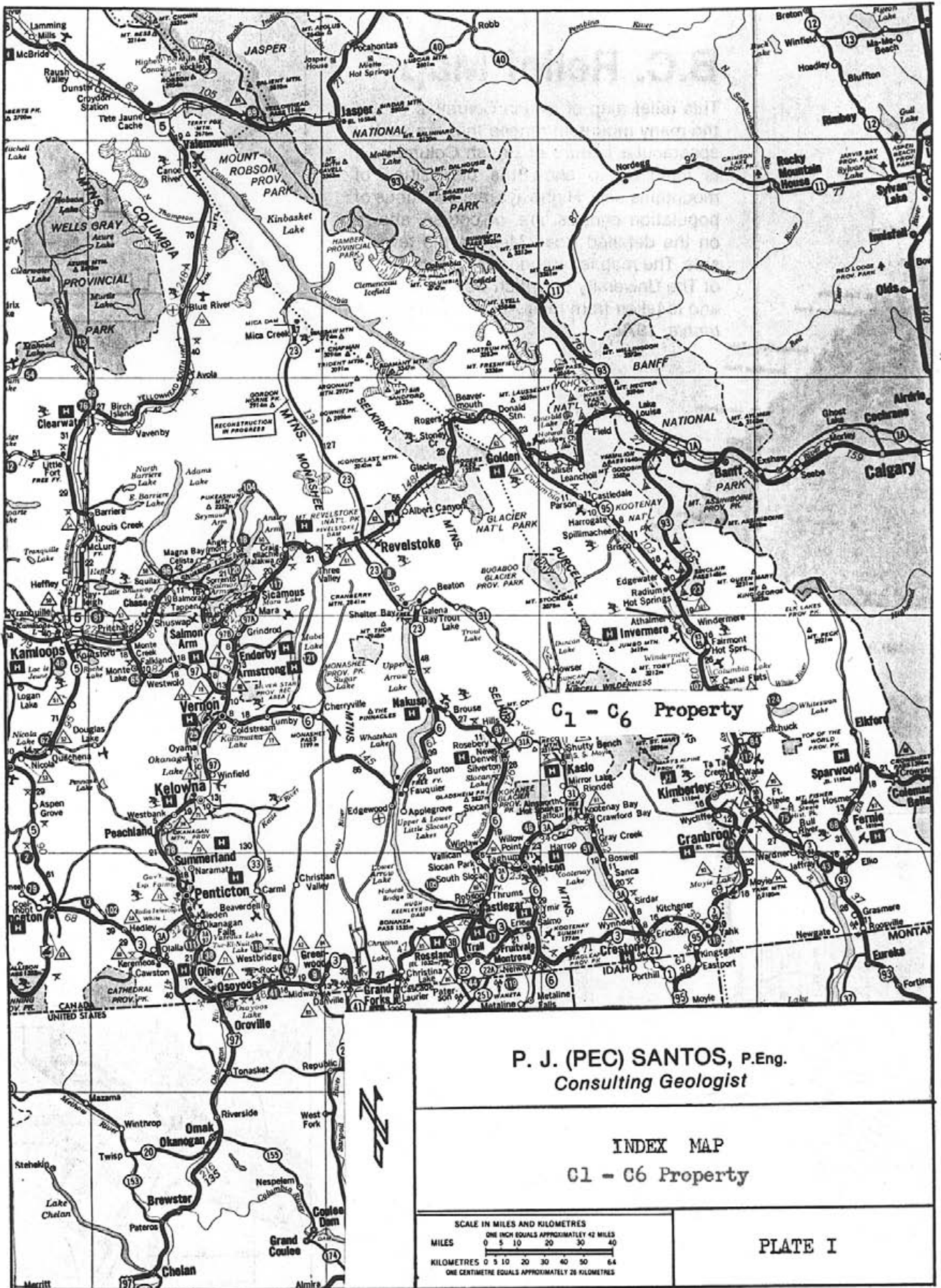
Registered Assayer, Province of British Columbia

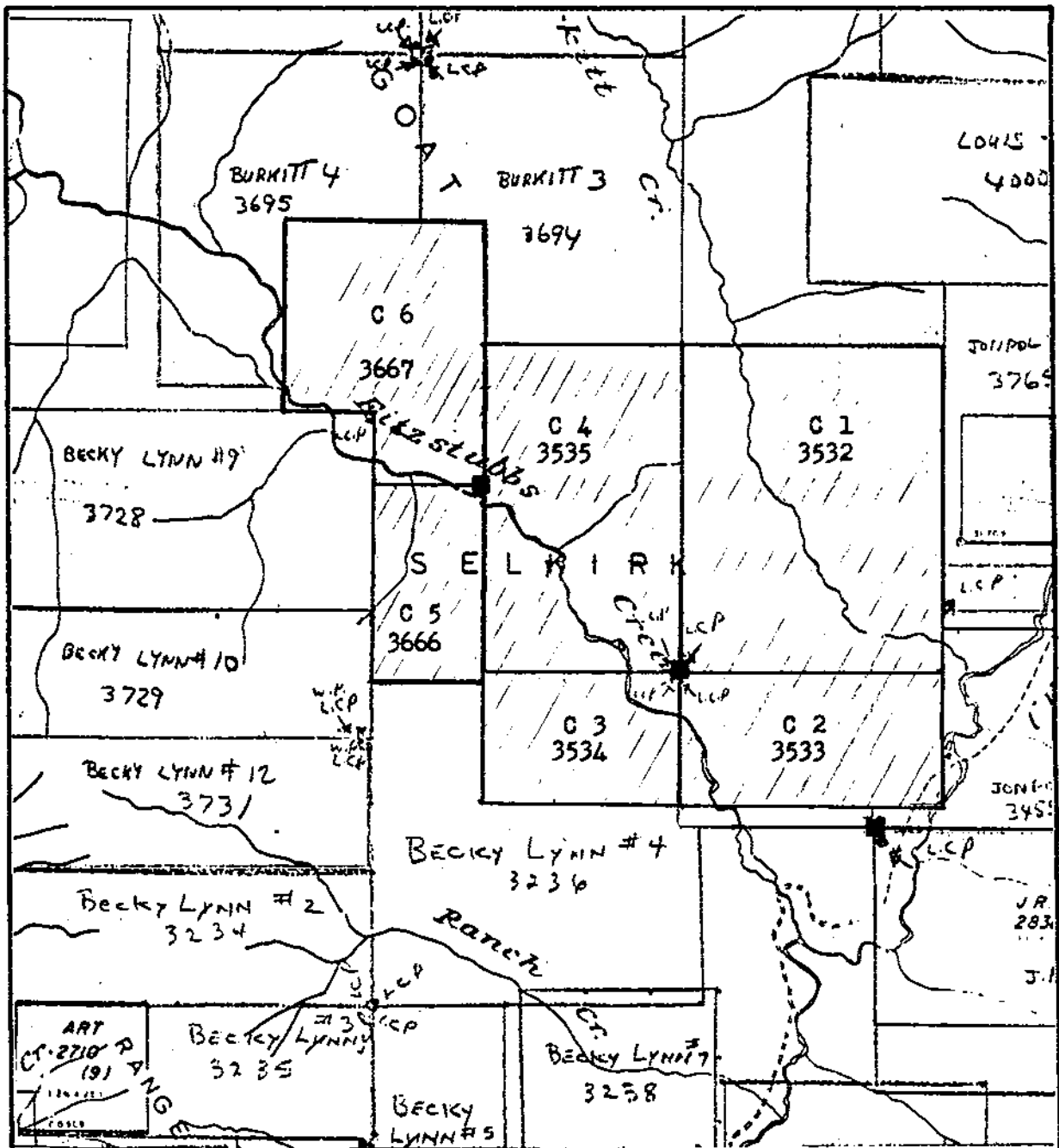
12. (a) SCHEDULE OF ACCOMPANYING MAPS & ILLUSTRATIONS

<u>PLATE</u>		<u>PAGE</u>
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2	Claim Map, Fitzstubbs Creek Area	18
3	Access Map, Wilson Creek Area	19
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5	Geologic Map C1-C6 Workings	In Pocket

FIGURE

1	Photograph of Silicified Zone in the C1-C6 Property	21
2	Photograph of the Sulfide Mineraliza- tion in the Silicified Zone	21
3	Photograph of Faulted Slocan Sediments and the Granite Intrusive	22





LEGEND and SYMBOLS

- Legal Corner Post
- ▨ C1-C6 Property



P. J. (PEC) SANTOS P. ENG.
Consulting Geologist

CLAIM MAP

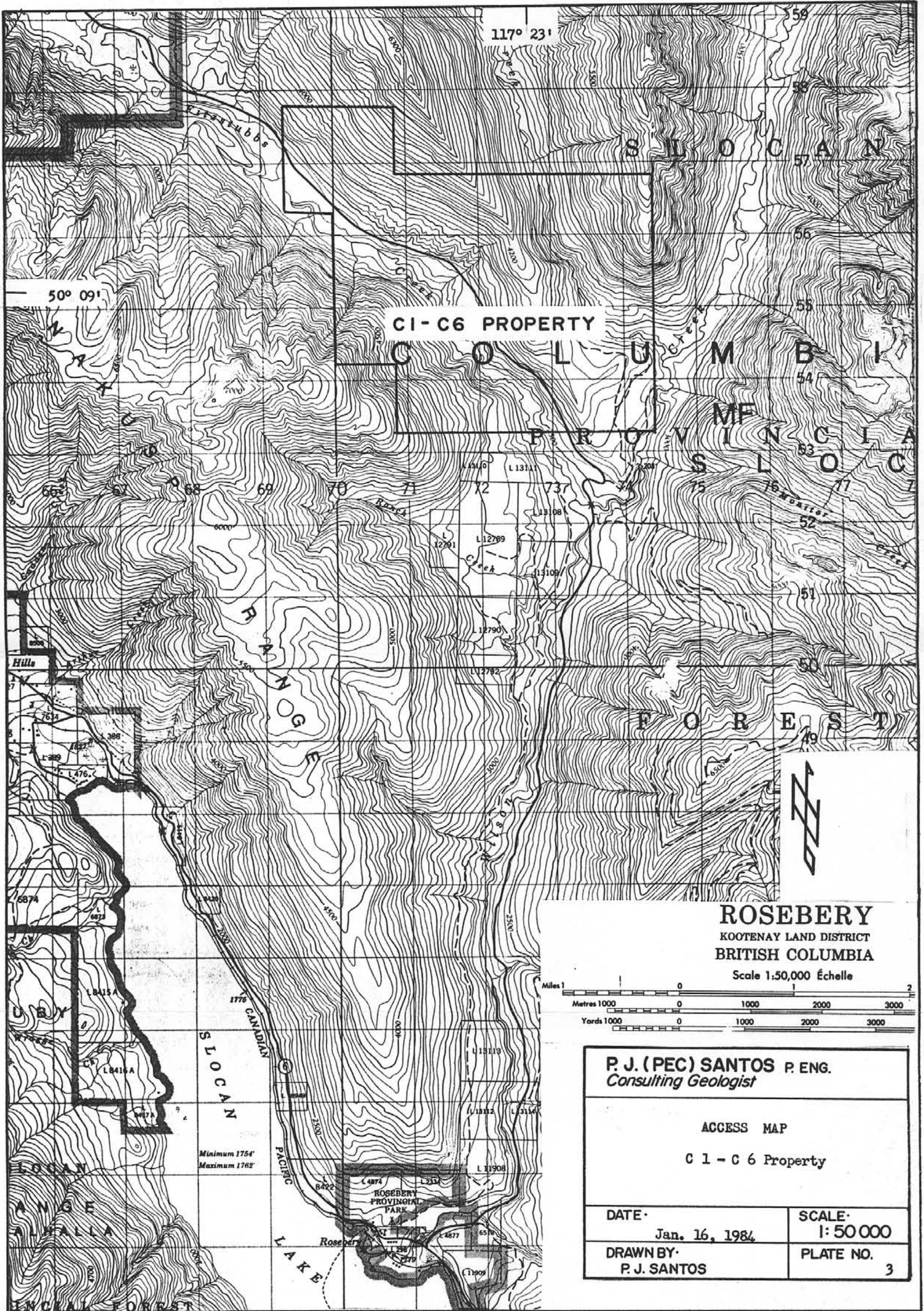
C 1 - C 6 Property

DATE: Jan. 16, 1984

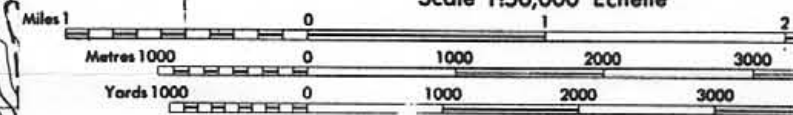
SCALE: 1:50 000

DRAWN BY: P. J. SANTOS

PLATE NO. 2



ROSEBERY
 KOOTENAY LAND DISTRICT
 BRITISH COLUMBIA
 Scale 1:50,000 Échelle



P. J. (PEC) SANTOS P. ENG. <i>Consulting Geologist</i>	
ACCESS MAP C 1 - C 6 Property	
DATE: Jan. 16, 1984	SCALE: 1: 50 000
DRAWN BY: P. J. SANTOS	PLATE NO. 3

Note: Base map taken from Bulletin No. 61 (1970)
 Article by J. T. Fyles

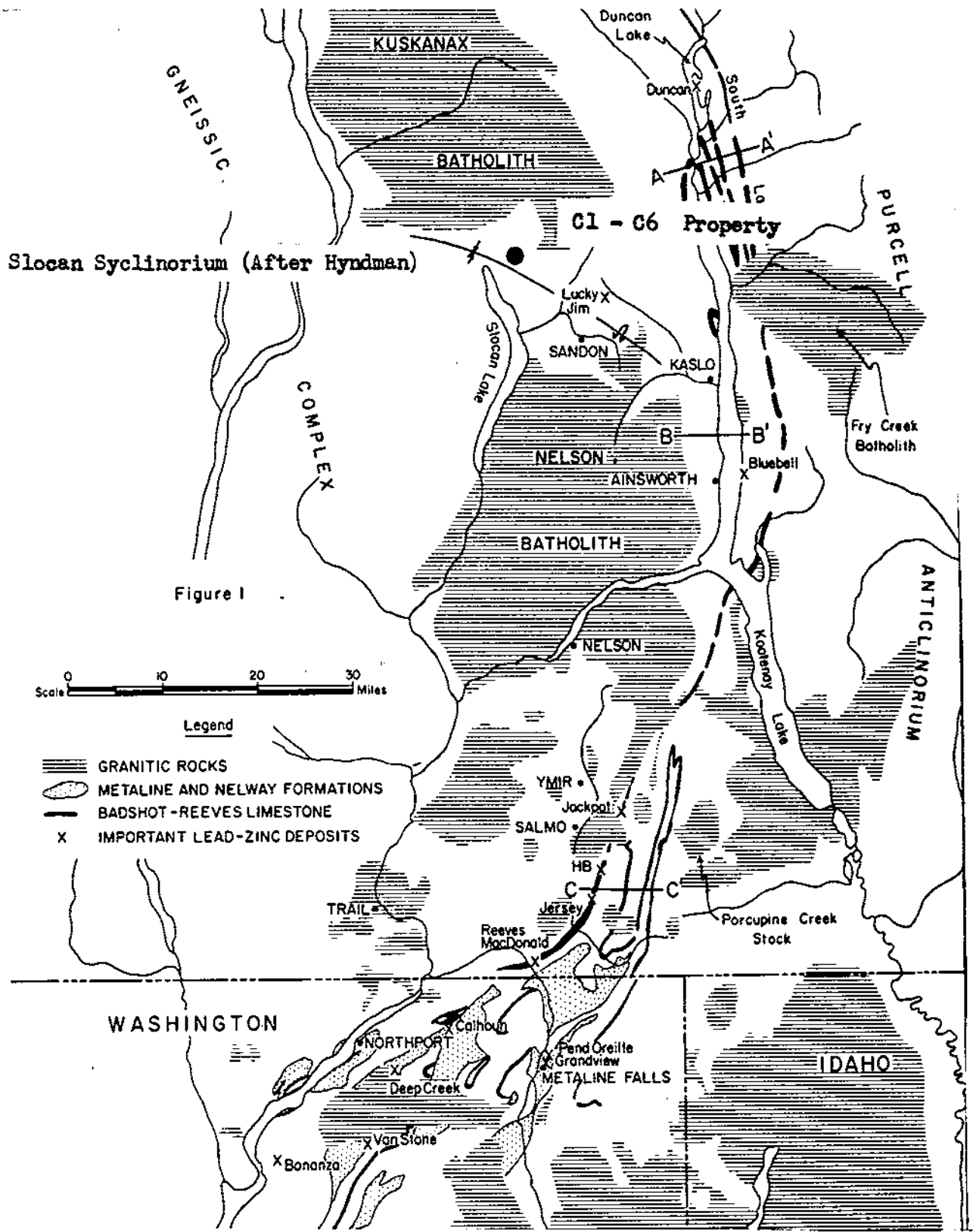




Fig. 1

Photograph of trench on the gold-bearing, mineralized, silicified zone in the C1-C6 property. See also Plate 5 .



Fig. 2

Photograph of disseminated galena and pyrite in a gold-bearing silicified zone in the C1-C6 property.



Fig. 3

Photograph of fault contact of the Slovan Sediments and a granitic intrusion (Kuskanax ?) at the C1-C6 property. See also Plate 5 and Cross Section A-A' .

PLEASE NOTE: THIS REPORT IS TO BE KEPT CONFIDENTIAL FOR ONE YEAR. IT WILL BE AVAILABLE TO THE PUBLIC ON FEB 16/85.

STRY OF ENERGY, MINES AND PETROLEUM RESOURCES
MINERAL RESOURCES BRANCH

ASSESSMENT REPORT COVER SHEET

Name C Fig. _____ No. _____
 Mining Inventory Nos. _____ NTS _____
 Lat. 50 ° 08.9 Long. 117 ° 23.3 NTS 82K3/W
 Mining Division Slocan Location _____

Claims (Central Records) C1, C2, C3, C4
 Claims (total) _____

Owner 1 A.F. Strebchuk 2. _____
 Address RRI New Denver B.C.
 Operator 1 Same 2. _____
 Address _____

Owner/Operator 3 _____
 Metals (Au) minor rocks of the Kasko Group

Geological description Intercalated andesitic and basaltic flows exhibit various degrees of serpentinization and contain disseminated pyrite and magnetite. These are in fault contact with carbonaceous argillites, slates and phyllites of the Slocan Group. The Slocan ~~rocks~~ rocks are intruded by ^{dykes/granites} sills and dykes. A silicified zone is developed near this contact and contains ^{minor} pyrite and galena with gold values.

References _____
 Work done Prospecting
 Type _____ Amount _____ Claims Worked On _____

PROS 113000 C 1/4 ✓
 PITS 9
 SAMP. 4; Au, Ag, (Pt, Ni, Co)

Author(s) P.J. Santos
 Aff. date Feb 16, 1984 Year of work 1983 To geology _____
 Attention _____ Information class 3 ✓
 Comments OK

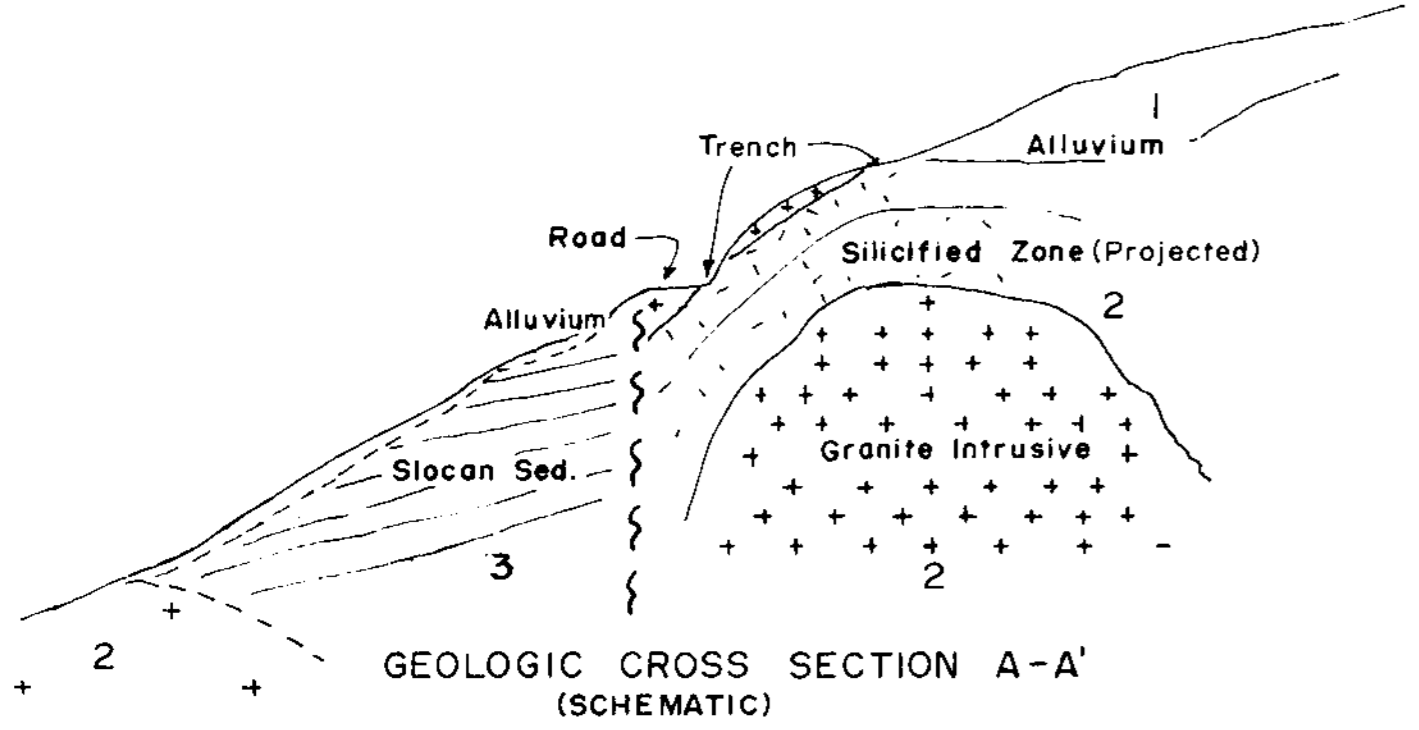
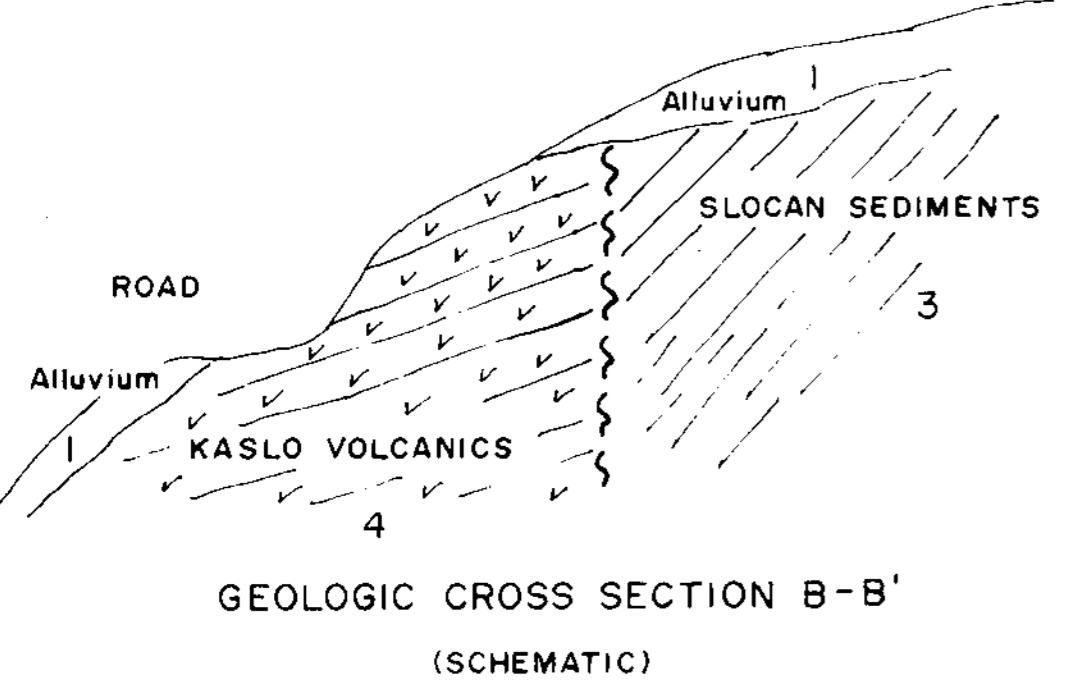
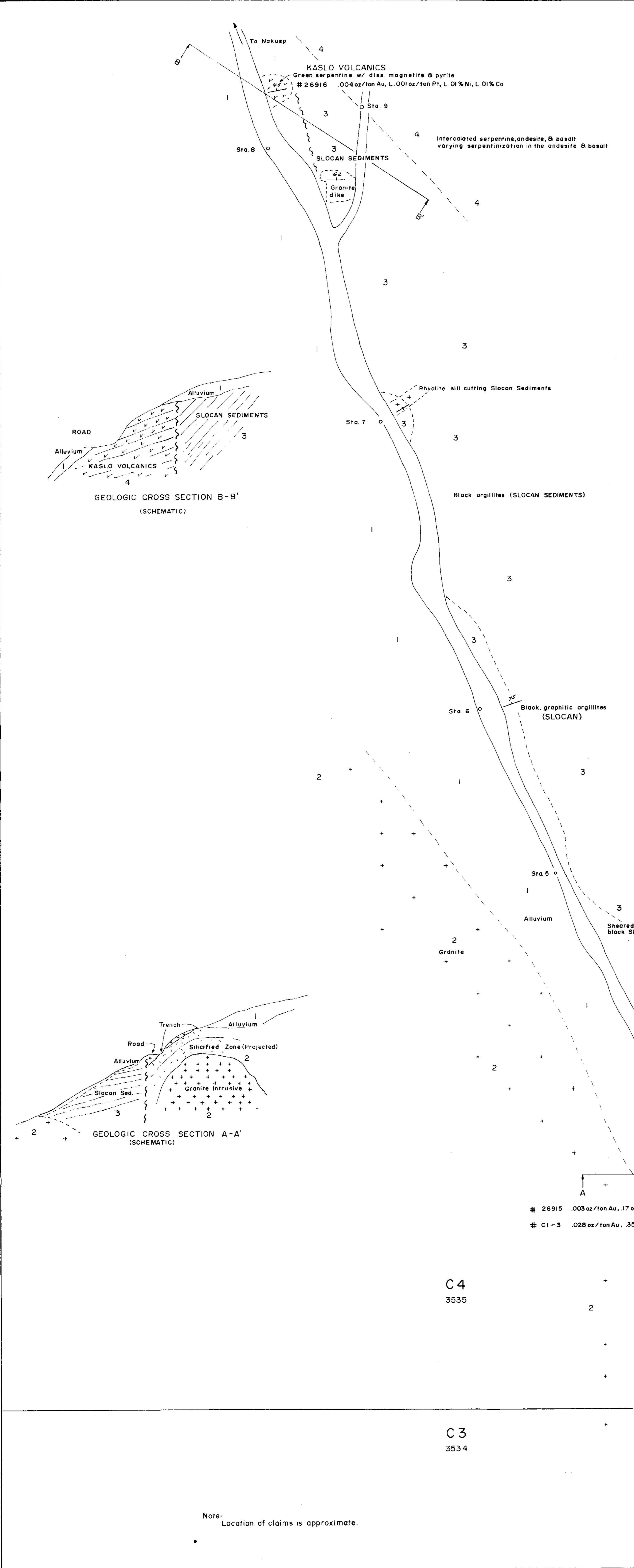
Talis new MI (?)

Value work done (from report) 6125.00
 Value of work approved 6125.00
 Value claimed (from statement) 5400 ~~3125~~
 Value credited to PAC account /
 Value debited to PAC account _____

Name of PAC Account _____ Amount _____
M/A

Accepted am Date May 4/84 Report No. 84-#84-12042

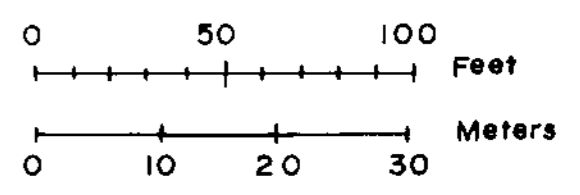
NTS



- LEGEND**
- 1 [Symbol] ALLUVIUM: Soil, rock debris, glacial deposit
 - 2 [Symbol] KUSKANAX (?)
 - 2 [Symbol] Granite, Rhyolite Dykes
 - 3 [Symbol] SLOCAN SEDIMENTS
 - 3 [Symbol] Black Argillites and Slates
 - 4 [Symbol] KASLO VOLCANICS
 - 4 [Symbol] Green Serpentine, Andesite, and Basalt
 - 45°* Attitude of bedding, inclined, vertical
 - 75°* Attitude of joints, inclined, vertical
 - [Symbol] Rock Outcrop
 - Sta. 2 [Symbol] Survey Station
 - [Symbol] Trench
 - # 26915 Sample Number, Assays as shown
 - # C1-2
 - [Symbol] Cross Section Line
 - [Symbol] Fault
 - [Symbol] Inferred Contact

GEOLOGICAL BRANCH ASSESSMENT REPORT

12,042



Note: Location of claims is approximate.

P.J. (PEC) SANTOS Consulting Geologist	
GEOLOGIC MAP C1 - C6 WORKINGS	
ALEX STREBCHUCK	
DRAWN BY: P.J. Santos, P.Eng.	DATE Jan. 1984
PLATE 5	