84-#683 - #13108

Geochemical

ASSESSMENT REPORT

PINETREE 1, 2, AND 3

NTS: 82F/9

LATITUDE 49°36' North, LONGITUDE 116°04' West

FORT STEELE MINING DIVISION

OWNERS: BP RESOURCES CANADA LIMITED
#700-890 West Pender Street
Vancouver, B.C.
V6C 1K5
(FMC: 264289)

OPERATORS: SELCO-DIVISION OF BP RESOURCES CANADA LIMITED
#700-890 West Pender Street
Vancouver, B.C.
V6C 1K5
(FMC: 264289)

Donald B. Grant
Senior Geologist

Thomas H. Carpenter
Project Geologist

June, 1984
BPVR 84-9

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INTRODUCTION

LOCATION

The Pinetree claims are centered at latitude 49°36' north and longitude 116°' west. This location is approximately 11 km SW of Kimberley, B.C. and 24 km NW of Cranbrook, B.C. within the Fort Steele Mining Division.

ACCESS

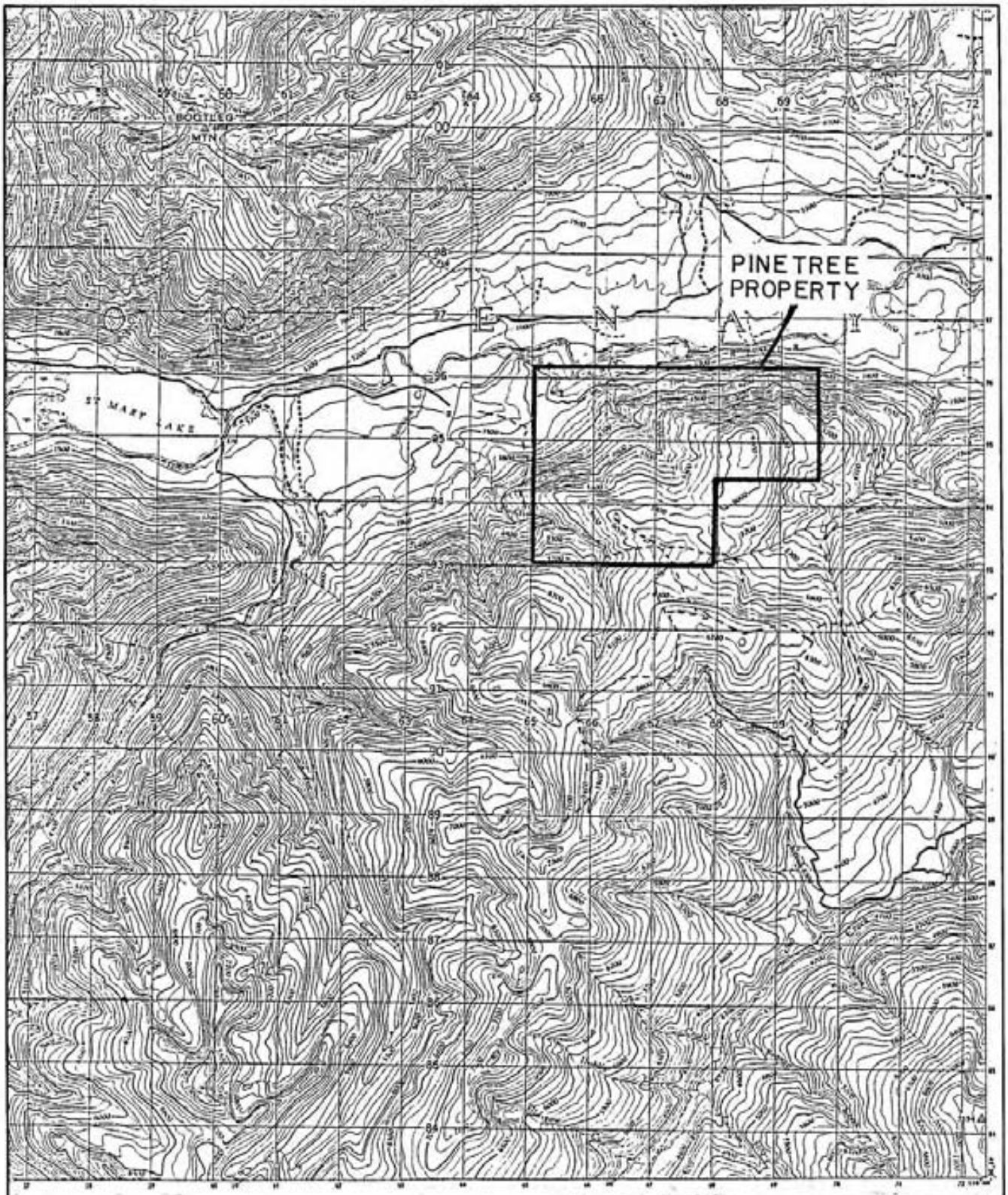
Access from Kimberley is via the St. Mary Lake road which runs west off highway 95A just northwest of Marysville.

Access from Cranbrook is via the Hospital Creek road. This road joins the Perry Creek road at Wycliffe Regional Park. This road parallels the St. Mary River to St. Mary Lake and cuts through the northern part of the property.

The southern part of the property can be reached via logging roads along Perry and Sawmill Creeks. Access is via two wheel drive with only portions of logging roads along Sawmill Creek necessitating the use of four-wheel drive vehicles.

PHYSIOGRAPHY

The claims are located on an area of glaciated terrain with moderate to rugged relief. Elevations range between 910 m (2900') and 1859 m (6100'). The ground supports a variety of vegetation in the lower sections between Pitt Creek and



SELCO EXPLORATION WESTERN CANADA

SLOCAN PROJECT

PINETREE CLAIMS

PROPERTY LOCATION MAP

DRAWN BY	DATE	N.T.S.	FIGURE
T.C.	JULY, 1984.	82F/9	1
TRACED BY	DATE		

Pudding Burn. Most of the remainder of the claim group is covered with near impassible windfall - the result of an old forest fire. Some logging has taken place on the NW facing slope east of Pudding Burn Creek.

Overburden is variable in thickness and consists largely of glacial till and outwash.

Snowfall in the area is moderate to heavy on the higher slopes, with the higher areas of the claims usually accessible by June 1st.

HISTORY AND ECONOMIC ASSESSMENT

The claims were staked by BP Resources Canada Limited in September, 1983, as a result of high tin-tungsten values in a heavy mineral concentrate taken from the creek draining the claim area.

Apart from a gold prospect along St. Mary Fault at the head waters of Sawmill Creek, no significant mineralization is known in the Pinetree area. Doubtless, however, the area has seen considerable exploration activity since the discovery of the Sullivan Mine at Kimberley.

The area was mapped by G. B. Leech in 1950-52 inclusive on a scale of 1" = 1 mile (GSC Map 15-1957, St. Mary Lake).

PINETREE PROPERTY OWNERSHIP

The Pinetree Property is owned by BP Resources Canada Limited of Vancouver, B.C. The property consists of a total of 58 claim units as outlined in the schedule of lands.

SCHEDULE OF LANDS

	Recording Date	No. of Units	Record #	Expiry Date
Pinetree 1	September 30/83	20	1994	1989
Pinetree 2	"	20	1995	1989
Pinetree 3	"	18	1996	1989

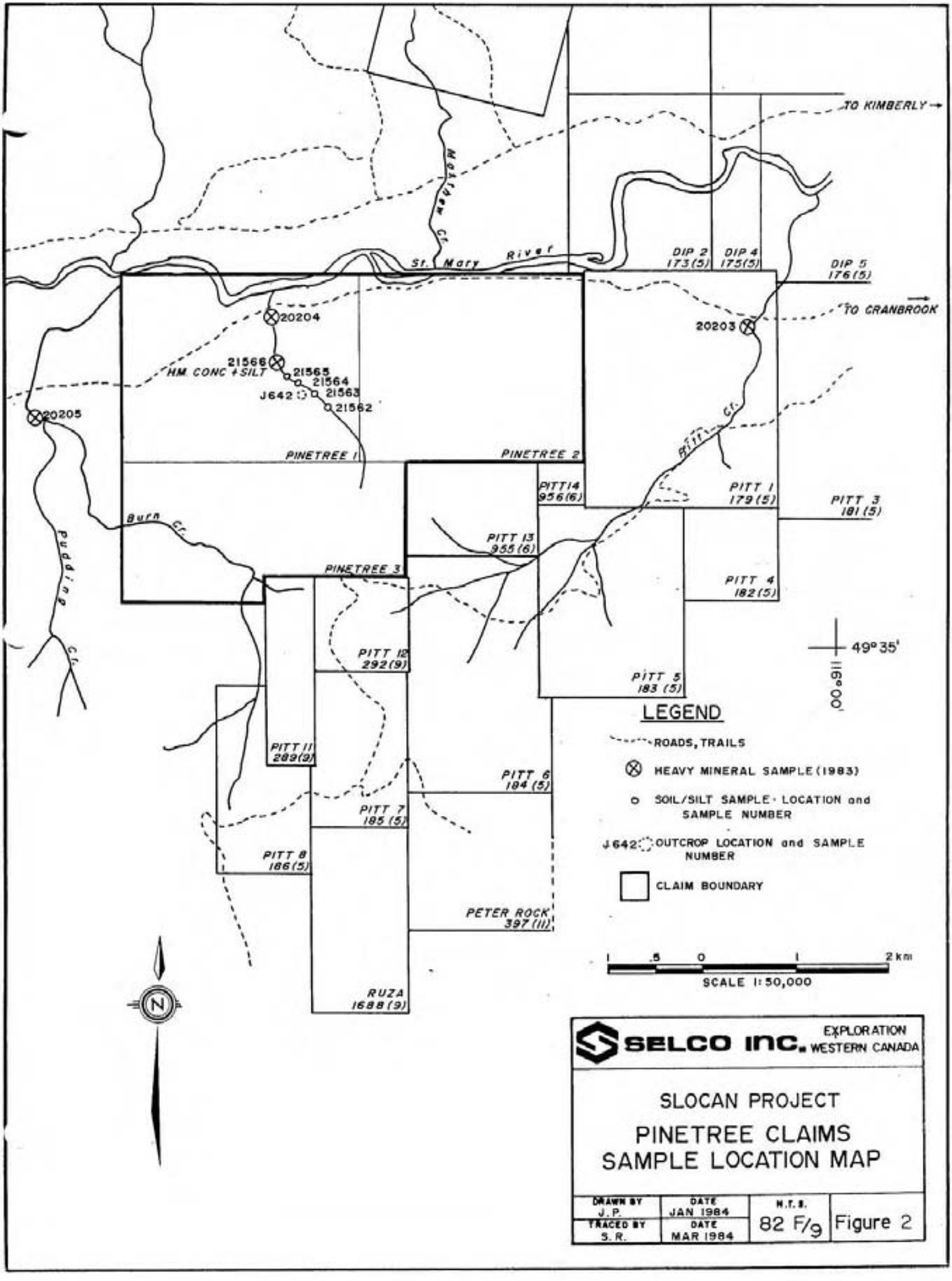
SUMMARY OF WORK

Between May 17 and June 19, 1984, Selco - a division of BP Resources Canada Limited carried out the following work on the Pinetree claims:

a) Chaining and flagging of a 2 km long grid with 22.2 km of crosslines.

b) The collection of a total of 461 soil samples at 50 m intervals along the grid. In addition, two heavy mineral and nine silt samples were collected along the streams draining the area to verify 1983 results.

c) Mapping and rock chip sampling of the grid area. A total of 63 rock chip samples were collected for geochemical purposes over the grid. In addition, ten days were spent in Castlegar report writing and analysing data.


TO KIMBERLY
TO CRANBROOK
McAlpine Cr.
St. Mary River
DIP 2
173(5)
DIP 4
175(5)
DIP 5
176(5)
20204
20203
21566
HM CONC + SILT
21565
21564
21563
21562
J642
20205
Pitt Cr.
PINETREE 1
PINETREE 2
PITT 14
956(6)
PITT 1
179(5)
PITT 3
181(5)
Burn Cr.
Pudding Cr.
PITT 13
955(6)
PINETREE 3
PITT 4
182(5)
PITT 12
292(9)
PITT 5
183(5)
49°35'
116°00'
PITT 11
289(9)
PITT 6
184(5)
PITT 7
185(5)
PITT 8
186(5)
PETER ROCK
397(11)
RUZA
1688(9)
N
LEGEND
ROADS, TRAILS
HEAVY MINERAL SAMPLE (1983)
SOIL/SILT SAMPLE - LOCATION and SAMPLE NUMBER
OUTCROP LOCATION and SAMPLE NUMBER
CLAIM BOUNDARY
1 .5 0 1 2 km
SCALE 1:50,000
SELCO INC. EXPLORATION WESTERN CANADA
SLOCAN PROJECT
PINETREE CLAIMS
SAMPLE LOCATION MAP
DRAWN BY J.P.
DATE JAN 1984
TRACED BY S.R.
DATE MAR 1984
N.T.S. 82 F/9
Figure 2

This work was carried out by the following:

Tom Carpenter	- Project Geologist - 44 man days
Nick Hughes	- Geologist - 34 man days
Marco Van Wermeskerken	- Field Assistant - 34 man days
Chris Nicolls	- Field Assistant - 34 man days
John Pearson	- Geologist - 3 man days
Ken Konkin	- Field Assistant - 3 man days

Results of the above work are hereby submitted for assessment credit.

SURVEY OBJECTIVES AND TECHNIQUES

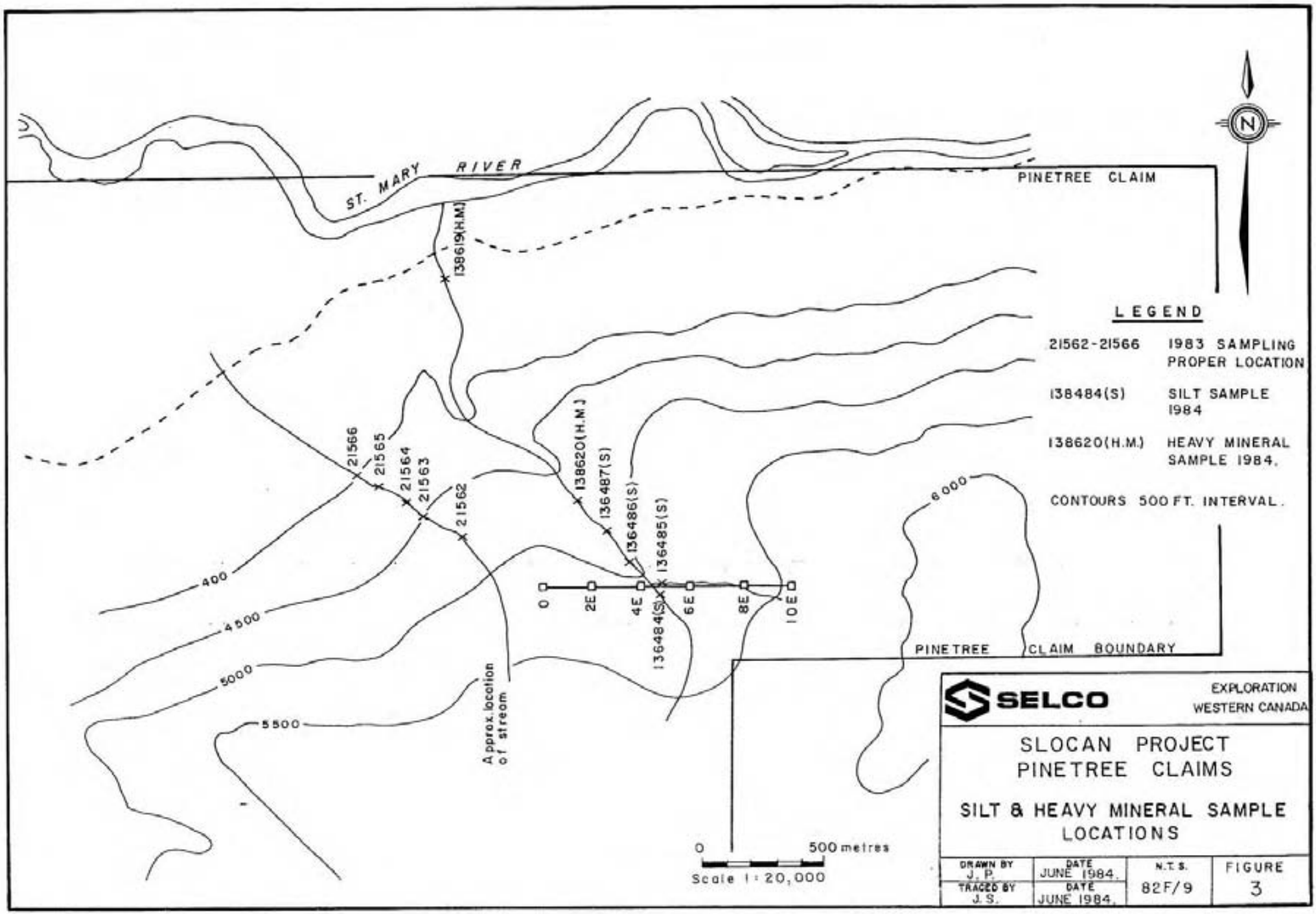
a) Gridding

Baseline and crosslines on the 2 km long grid were laid out at 270° and 360° - 180° respectively. All lines were laid out with the use of a Silva compass and "topofil" and were tagged at 50 m intervals.

As a result of steep terrain and inherent problems with the "topofil", which is subject to stretching, crosslines were found to be of varying lengths. Sample locations, where plotted on the accompanying map, have thus been approximated as to exact location.

b) Soil Sample Survey

Soil samples were collected at 50 m intervals on lines 100 m apart. Samples were collected from the BF horizon at an average depth of 25 cm using a steel shovel.


ST. MARY RIVER
PINETREE CLAIM
N
LEGEND
21562-21566 1983 SAMPLING PROPER LOCATION
138484(S) SILT SAMPLE 1984
138620(H.M.) HEAVY MINERAL SAMPLE 1984.
CONTOURS 500 FT. INTERVAL.
138619(H.M.)
21566
21565
21564
21563
21562
138620(H.M.)
136487(S)
136486(S)
136485(S)
136484(S)
0
2E
4E
6E
8E
10E
400
4500
5000
5500
6000
Approx. location of stream
PINETREE CLAIM BOUNDARY
0 500 metres
Scale 1:20,000
SELCO
EXPLORATION WESTERN CANADA
SLOCAN PROJECT
PINETREE CLAIMS
SILT & HEAVY MINERAL SAMPLE LOCATIONS
DRAWN BY J. P.
DATE JUNE 1984.
N.T.S. 82F/9
FIGURE 3
TRACED BY J. S.
DATE JUNE 1984.

Samples were placed in Kraft sample bags, numbered and shipped to Chemex Labs, North Vancouver, B.C. for analysis for tin, tungsten and zinc. Details of Chemex's geochemical preparation and analytical procedures are outlined in Appendix I.

The purpose of the soil sampling program is to outline areas of anomalous tin-tungsten mineralization. In addition, analysis for zinc would hopefully indicate the presence of anomalous copper-lead-zinc mineralization.

In addition to the silt sampling, nine silt and two heavy mineral samples were collected from streams draining the property. Five of these silt samples were collected in October, 1983 with the remaining samples collected in June, 1984. Sample locations are shown on Figure 3. Analysis results are found in Appendix II.

c) Mapping and Chip Sampling Program

In addition to the Soil Sampling program a mapping and chip sampling program was also carried out over the Pinetree grid area. The purpose of the program was:

1) to identify and evaluate the ecomonic potential of rock types within the Pinetree area;
2) to correlate rock types with soil sample locations as an aid in identifying areas of anomalous soil samples.

3) to provide detailed geological and geochemical information as a basis for future surveys.

A total of 63 representative rock chip samples were collected at selected locations. These samples were also submitted to Chemex Labs for tin-tungsten-zinc analyses. In addition two samples - THC-84-006 and NH-84-026 were analyzed by Inductively Coupled Plasma, Atomic Emission Spectrometry (ICP-AES) to determine the possible presence of other minerals.

SURVEY RESULTS AND INTERPRETATION

SOIL SAMPLE SURVEY

Soil sample locations are shown on Map # 2 (in pocket). Tin-Tungsten and Zinc results are shown on Maps 3,4 and 5 respectively.

Anomalous Tin values (.3 ppm or greater) are noted in 15 of the 461 samples collected with values to 19 ppm. This latter value however (sample #136278) is considered to be contaminated by stream carried material as are samples 136287, 136288 and 136289.

Thus effectively 11 of the 461 samples collected contain anomalous Tin values. These values are located along lines 2+00E to 1+00W from 1+00N to 2+50N and along line 4+00E from 1+50S to 2+00S.

Isolated anomalies occur on line 2+00E at 3+00S and 8+00E at 2+50S.

Due to the lack of outcrop in the anomalous Tin areas it is impossible to correlate anomalous Tin values in soils with outcrop.

Tungsten values range from 1 to 400 ppm but do not appear to show any distinct pattern. Values average 2 ppm in areas of anomalous Tin with higher values (3-15 ppm) clustered at the S.W. corner of the grid.

Zinc values range from 23 ppm to 550 ppm over the grid. Zinc was analysed as an indicator mineral which would possibly point out the presence of massive sulphide mineralization on the property. However though 550 ppm Zn is anomalous it is not particularly so.

In general higher Zinc values seem to occur in Aldridge Formation sediments and metasediments.

MAPPING AND CHIP SAMPLING PROGRAM

Mapping of the Pinetree claims has indicated the presence of the Lower Division of the Aldridge Formation sediments of Proterozoic-Purcell age, cut by numerous sills of Moyie Intrusives, diorite and meta-diorite of Preterozoic-Purcell or (?) later age.

Cutting the Aldridge and Moyie Intrusions are found quartz veins and granitic pegmatite dikes to 1.5 m in width. These veins and pegmatites are presumably Mesozoic or (?) Cenozoic in age and appear to follow major jointing directions in the older Aldridge and Moyie rocks. (Map #1 - in pocket).

On the Pinetree claims the Aldridge Formation sediments consist of metamorphosed equivalents of quartzite, siltstone, and argillite. These comprise weakly to strongly foliated light grey metaquartzite with muscovite/sericite and local biotite partings, phyllite, muscovite schist and fine to coarse grained garnet-muscovite schist. The garnet-muscovite schist contains varying amounts of quartz - locally porphyroblastic and frequent biotite "augens".

The Moyie Intrusions comprise largely unaltered medium to coarse grained diorite. Locally the diorite is weakly to strongly foliated with biotite partings after hornblende. The diorite appears to be most strongly foliated in some of the narrower sills and at the boundaries of some of the thicker sills.

The pegmatite dikes are of granitic composition and composed of quartz, feldspar, muscovite and hornblende. Locally the dikes are differentiated into their constituent components. Also present locally within the dikes are aplitic phases which are presumably a chilled equivalent of the pegmatites.

The quartz veins range from 1-2 mm to 1.5 m in width. The smaller veins are generally found forming localized stockworks at and near the contacts between the diorite and the meta-sediments. Larger veins are vertically dipping and, as mentioned, appear to follow major jointing directions.

The quartz veins are white to grey in colour with veins less than 1 m in width usually red in colour due to discolouration by iron.

Rock chip analysis has indicated that higher Tin values are generally associated with pegmatite dikes. Sample #THC-84-021 for example contains 25 ppm Tin. Other pegmatite samples (NH-84-003 and THC-84-007) contain 4 ppm and 3 ppm respectively.

Values of 3 ppm and 4 ppm are found in metaquartzite and chloritic rock (after diabase) respectively (NH-84-012 and NH-84-018).

This may indicate a partial remobilization of Tin from the earlier Aldridge and Moyie rocks into the pegmatites.

Tungsten values in the rock chips are generally low (to 35 ppm) and do not show an affinity for any particular rock type.

Zinc values range from 6 ppm to 145 ppm. As with the soil samples, the higher zinc values also appear to be associated with Aldridge sediments and metasediments.

CONCLUSIONS AND RECOMMENDATIONS

The Pinetree property contains anomalous Tin values in both soil samples and rock chip samples. Follow-up work is needed.

The follow-up will include:

- detailed soil sampling at 25 metre intervals on lines 50 metres apart,
- rock chip and/or channel sampling of pegmatite veins and vein contacts to fully define the extent and grades of Tin mineralization, and
- additional mapping as needed.

PINETREE PROJECT

ASSESSMENT FILING - 1984

MAPPING AND SAMPLING PROGRAM COSTS - $39,542.10

PAC WITHDRAWAL	$ 1,057.90

CLAIM NAME	RECORD DATE	RECORD NO.	UNITS	REQ'D ASSESSMENT PER UNIT/PER YR.	VALUES 1 YR. OF ASSESSMENT	CURRENT EXPIRY DATE	VALUES TO BE APPLIED	NO. OF YRS. TO BE APPLIED	NEW EXPIRY DATE	FEES
PINETREE 1	Sept. 30/84	1994	20	$100/$200*	$2000/$4000	1984	$14,000	5	1989	$ 700
PINETREE 2	Sept. 30/84	1995	20	$100/$200*	$2000/$4000	1984	$14,000	5	1989	$ 700
PINETREE 3	Sept. 30/84	1996	18	$100/$200*	$1800/$3600	1984	$12,600	5	1989	$ 630
							$40,600			$2030

* Required Assessment per unit per year. - $100 a year with respect to each of the first 3 years and $200 a unit for each subsequent year.

≠ Values-1 year of Assessment - $2000/year for the first 3 years and $4000/year for each subsequent year for PINETREE 1 and PINETREE 2. $1800/year for the first 3 years and $3600/year for each subsequent year for PINETREE 3.

ITEMIZED COST STATEMENT

Grid Layout

Flagging and chaining - 1 Field Assistant - 24 man days - @$100/day	$ 2400.00
Material used	350.00
	$ 2750.00

Soil Sampling

Sampling - 76 man days - @$100/day	$ 7600.00
Materials used	100.00
	$ 7700.00

Mapping & Chip Sampling

1 Project Geologist - 34 man days @$200/day	$ 6800.00
1 Geologist - 18 man days - @$150/day	2700.00
	$ 9500.00

Silt and Heavy Mineral Sampling

1 Geologist - 3 man days - @$150/day	$ 450.00
1 Assistant - 3 man days - @$100/day	300.00
Truck & Fuel costs - 4x4 pick-up - 3 days -@$50/day	150.00
Accomodation - 3 days - @$35/day	105.00
Food Costs - 3 days - @$40/day	120.00
	$ 1125.00

Accomodation, Food, Truck & Fuel Costs etc.

Accomodation: May 17 to June 28	$ 2368.00
Food Costs: May 17 to June 28	1779.00
Truck & Fuel Costs: Ford 150 4x4-43 days @$50/day	2150.00
GMC 4x4 - 34 days @$50/day	1700.00
Field Supplies Miscellaneous	100.00
	$ 8097.00

ITEMIZED COST STATEMENT cont.

Analysis Costs

- Chemex Labs, North Vancouver, B.C.

461 soil samples - sample preparation @ $0.70/sample	$ 322.70
461 analyses (Sn-W-Zn) @ $10/sample	4610.00
63 rock chip samples - sample preparation @$2.50/sample	157.50
63 analyses (Sn-W-Zn) @ $10/sample	630.00
2 ICP-AES analyses @ $13/sample	26.00
9 silt samples - sample preparation at $0.70/sample	6.30
5 analyses (Sn-W-Bi-As-Cu-Pb-Zn-Ba-Ag-Sb) @$22/sample	110.00
4 analyses (Cu-Pb-Zn-Sn-W) @ $10/sample	40.00
2 heavy mineral samples - concentration @ $15/sample	30.00
2 analyses (Cu-Pb-Zn-Sn-W) @ $10/sample	20.00
Sample Shipping	192.60
Sample Bags and Shipping containers	50.00
	$ 6195.10

Miscellaneous Costs (Office and Administration)

Project Planning, Supervision and Evaluation:

- Senior Geologist - 1 week - salary benefits	$ 1000.00
- Report writing, map preparation, data analysis Project Geologist - 10 days @ $200/day	2000.00
- Drafting and typing services - 5 days @ $125/day	725.00
- Map reproduction, text reproduction, binding etc.	300.00
- Office supplies, postage, telephone	150.00
	$ 4175.00

ITEMIZED COST STATEMENT cont.

Distribution of Costs

GRID LAYOUT	$ 2750.00
SAMPLING - SOILS	7700.00
SILTS & HEAVY MINERALS	1125.00
MAPPING AND CHIP SAMPLING PROGRAM	9500.00
ACCOMODATION, FOOD, TRUCK & FUEL COSTS, FIELD SUPPLIES	8097.00
ANALYSIS COSTS	6195.10
MISCELLANEOUS COSTS (Office and Administration)	4175.00
	$39,542.10

STATEMENT OF QUALIFICATIONS

I, Thomas H. Carpenter, currently of Calgary, Alberta hereby certify that:

1. I am a geologist with Selco-A Division of BP Resources Canada Limited.
2. I received a Bachelor of Science degree, in Geology from Memorial University of Newfoundland in 1971.
3. I have been practising my profession continuously since my graduation in 1971.
4. I did personally supervise and/or carry out the work documented in this report.
5. I hold no interest either directly or indirectly in this property.

Respectfully submitted,

T.H. Carpenter, B.Sc.

June, 1984

STATEMENT OF QUALIFICATIONS

I, Donald B. Grant, currently of Castlegar, British Columbia, hereby certify that:

1. I am a geologist employed by Selco, a Division of BP Resources Canada Limited.
2. I received a Bachelor of Science degree, major in geology, minor in physics from Memorial University of Newfoundland in 1970.
3. I have been practising my profession continually since graduation in 1970.
4. I did personally supervise the work documented in this report.
5. I am a fellow of the Geological Association of Canada and a Professional Engineer of the Province of Saskatchewan.
6. I hold no interest either directly or indirectly in this property.

Respectfully submitted,

D.B. Grant, BSc., FGAC, P.Eng.
August, 1984

APPENDIX I

GEOCHEMICAL LAB PROCEDURES

GEOCHEMICAL PREPARATION
AND
ANALYTICAL PROCEDURES

1. Geochemical samples (soils, silts) are dried at 80°C for a period of 12 to 24 hours. The dried sample is sieved to -80 mesh fraction through a nylon and stainless steel sieve. Rock geochemical materials are crushed, dried and pulverized to -100 mesh.

2. A 1.00 gram portion of the sample is weighed into a calibrated test tube. The sample is digested using hot 70% $HClO_4$ and concentrated HNO_3. Digestion time = 2 hours.

3. Sample volume is adjusted to 25 mls. using demineralized water. Sample solutions are homogenized and allowed to settle before being analyzed by atomic absorption procedures.

4. Detection limits using Techtron A.A.5 atomic absorption unit.

	Copper	- 1 ppm
	Molybdenum	- 1 ppm
	Zinc	- 1 ppm
*	Silver	- 0.2 ppm
*	Lead	- 1 ppm
*	Nickel	- 1 ppm
*	Chromium	- 5 ppm
*	Cobalt	- 1 ppm
	Manganese	- 5 ppm
	Iron	- 2 ppm

* Ag, Pb, Co & Ni are corrected for background absorption.

5. Elements present in concentrations below the detection limits are reported as one half the detection limit, i.e. Ag - 0.1 ppm.

PPM Antimony:

A 2.0 gm sample digested with conc. HCl in hot water bath. The iron is reduced to Fe^{+2} state and the Sb complexed with I^-. The complex is extracted with TOPO-MIBK and analyzed via A.A. Correcting for background absorption 0.2 ppm $\pm$ 0.2

Detection limit: 0.2 ppm

PPM Arsenic:

A 1.0 gram sample is digested with a mixture of perchloric and nitric acid to strong fumes of perchloric acid. The digested solution is diluted to volume and mixed. An aliquot of the digest is acidified, reduced with KI and mixed. A portion of the reduced solution is converted to arsine with $NaBH_4$ and the arsenic content determined using flameless atomic absorption.

Detection limit: 1 ppm

PPB Gold:

5 gm samples ashed @ 800°C for one hour, digested with aqua regia - twice to dryness - taken up in 25% HCl, the gold then extracted as the bromide complex into MIBK and analyzed via A.A.

Detection limit: 10 ppb

PPM Uranium

1.0 gms sample is digested with $HClO_4$ - HNO_3 acid for approximately 2 hours. An aliquot extracted with MIBK after the addition of $Al(NO_3)_3$ - TPAN solution and analyzed via conventional fluormetric procedure.

Detection limit: 0.5 ppm

PPM Tungsten:

0.50 gm sample is fused with potassium bisulfate and leached with hydrochloric acid. The reduced form of tungsten is complexed with toluene 3,4 dithiol and extracted into an organic phase. The resulting color is visually compared to similarly prepared standards.

Detection limit: 2 ppm W

PPM Tin:

1.00 gm of sample is sintered with ammonium iodide. The resulting tin iodide is leached with a dilute HCL - ascorbic acid solution. The TOPO complex is then extracted with MIBK and analyzed via A.A.

Detection limit: 1 ppm Sn

PPB Mercury:

The sample is digested with nitric acid plus a small amount of hydrochloric acid. Following digestion the resulting clear solution is transferred to a reaction flask connected to a closed system absorption cell. Stannous sulfate is rapidly added to reduce mercury to its elemental state. The mercury is then flushed out of the reaction vessel into the absorption cell where it is measured by cold vapour atomic absorption methods with a Varian Spectrophotometer. The absorbance of samples is compared with the absorbance of freshly - prepared mercury standard solutions carried through the same procedure. The detection limit of this method is 5 ppb.

Oz/Ton Ag, Au FIRE ASSAY METHOD

Silver and gold analyses are done by standard fire assay techniques. In the sample preparation stage the screens are checked for metallics which, if present, are assayed separately and calculated into the results obtained from the pulp assay.

0.5 assay ton sub samples are fused in litharge, carbonate and silicious fluxes. The lead button containing the precious metals is cupelled in a muffle furnace. The combined Ag & Au is weighed on a microbalance, parted, annealed and again weighed as Au. The difference in the two weighing is Ag.

5 ppb detection limit

CCRMP standards provided by the Department of Energy, Mines and Resources are analyzed along with each group of fourty samples for quality control. Fire assay standards are used less frequently because of the large quantity of pulp required for the analysis.

PPM BISMUTH

A 2.0 gram sample is digested with perchloric and nitric acid to strong fumes (2 hrs). The solution cooled and additional hydrochloric acid added. After the addition of KI and the reduction of iron the solution is extracted with MIBK-aliquot 336 and analyzed via standard AA procedure correcting for background absorption.

CHEMEX LABS LTD.
212 BROOKSBANK AVENUE, NORTH VANCOUVER, B.C. V7J 2C1
PHONE (604) 984-0221 TELEX 04-352597

Group	Parameter (Units)	Code
0	Soil & Sediment -80 mesh	201
0	(Au) Soil & Sed -80 mesh	202
0	-35 mesh sieve & ring	203
0	-80 mesh sieve & ring	204
0	Rock geochem - ring	205
0	Lake sediment - ring	206
0	Assay - pulverize	207
0	Assay - ring	208
0	High grade assay - Ring	209
0	Wiley Mill (geochem)	210
0	Wiley Mill (envir.)	211
0	Pulp composite	212
0	Heavy Min. Sep. SG 3.0	213
0	Bag pulp	214
0	Water - filter/acidify	215
0	Overweight charges	216
0	Soil-ring (no sieve)	217
0	Pulverize only	218

APPENDIX II

ANALYTICAL RESULTS

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

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

CERT. # : A8412047-001-A
INVOICE # : I8412047
DATE : 5-JUL-84
P.O. # : NONE
10137 PINETREE

P.O. Box 348
2327 W. 6th Ave
CASTLEGAR, BC
V1N 3W3

CC: TOM CARPENTER, BP RESOURCES

Sample description	Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)
RC-84-006	1	<10	6	30	4	<2	<0.5	<1	4	10	0.85	89	330	0.08	7	0.17	<0.5	0.18	13	<0.2	0.014	<1	0.02	0.12

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

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

RECEIVED
JUL 3 1 1984
SELCO - BP EXPLORA-
VANCOUVER, B

CERT. # : A8413690-001-A
INVOICE # : I8413690
DATE : 29-JUL-84
P.O. # : NONE
10137 PINETREE

CC: TOM CARPENTER, BP RESOURCES

Sample description	Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)
NH-84-026	<1	<10	49	345	<1	<2	<0.5	28	16	92	5.94	905	195	3.89	190	8.68	<0.5	10.00	38	0.4	0.399	250	0.95	0.23

Certified by ...

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212 BROOKSBANK AV
NORTH VANCOUVER, B.
CANADA V7J 2(

TELEPHONE: (604) 984-02
TELEX: 043-525

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CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

CERT. # : A8412711-001
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36001	202	225	1	1	--	--	--
36002	202	140	2	1	--	--	--
36003	202	130	3	1	--	--	--
36004	202	170	3	2	--	--	--
36005	202	130	3	1	--	--	--
36006	202	255	2	1	--	--	--
36007	202	550	1	1	--	--	--
36008	202	255	1	1	--	--	--
36009	202	70	2	1	--	--	--
36010	202	50	3	1	--	--	--
36011	202	180	2	1	--	--	--
36012	202	83	1	1	--	--	--
36013	202	88	4	1	--	--	--
36014	202	45	3	10	--	--	--
36015	202	75	4	2	--	--	--
36016	202	90	4	1	--	--	--
36017	202	45	4	1	--	--	--
36018	202	75	5	1	--	--	--
36019	202	120	2	1	--	--	--
36020	202	95	3	1	--	--	--
36021	202	88	3	2	--	--	--
36022	202	75	8	1	--	--	--
36023	202	100	2	1	--	--	--
36024	202	115	1	1	--	--	--
36025	202	110	1	1	--	--	--
36026	202	105	1	1	--	--	--
36027	202	145	1	1	--	--	--
36028	202	65	2	1	--	--	--
36029	202	120	1	1	--	--	--
36030	202	60	2	1	--	--	--
36031	202	100	1	1	--	--	--
36032	202	105	1	1	--	--	--
36033	202	33	1	1	--	--	--
36034	202	58	1	1	--	--	--
36035	202	46	1	1	--	--	--
36036	202	50	1	1	--	--	--
36037	202	330	1	1	--	--	--
36038	202	320	1	1	--	--	--
36039	202	170	1	1	--	--	--
STD-01	214	190	8	1	--	--	--

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TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

CERT. # : A8412711-002-
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

ATTN: TOM CARPENTER CC: BP RESOURCES

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36040	202	110	2	1	--	--	--
36041	202	145	1	1	--	--	--
36042	202	118	1	1	--	--	--
36043	202	93	2	1	--	--	--
36044	202	95	1	1	--	--	--
36045	202	50	1	1	--	--	--
36046	202	62	1	1	--	--	--
36047	202	80	2	1	--	--	--
36048	202	70	2	1	--	--	--
36049	202	80	2	1	--	--	--
36050	202	110	1	1	--	--	--
36051	202	165	1	1	--	--	--
36052	202	120	1	1	--	--	--
36053	202	110	1	1	--	--	--
36054	202	112	1	1	--	--	--
36055	202	100	1	1	--	--	--
36056	202	160	1	1	--	--	--
36057	202	115	1	1	--	--	--
36058	202	95	1	1	--	--	--
36059	202	90	1	1	--	--	--
36060	202	90	1	1	--	--	--
36061	202	190	1	1	--	--	--
36062	202	165	2	2	--	--	--
36063	202	135	1	2	--	--	--
36064	202	70	2	4	--	--	--
36065	202	76	2	9	--	--	--
36066	202	90	2	2	--	--	--
36067	202	80	1	2	--	--	--
36068	202	95	1	2	--	--	--
36069	202	50	1	1	--	--	--
36070	202	115	1	1	--	--	--
36071	202	125	1	1	--	--	--
36072	202	60	1	1	--	--	--
36073	202	125	1	1	--	--	--
36074	202	56	3	1	--	--	--
36075	202	47	4	1	--	--	--
36076	202	65	2	1	--	--	--
36077	202	70	3	1	--	--	--
36078	202	35	3	1	--	--	--
STD-01	214	180	8	1	--	--	--

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TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

RECEIVED
JUL 5 1984
SELCO EXPLORATION
VANCOUVER, B.C.

CERT. # : A8412711-003-
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

ATTN: TOM CARPENTER CC: BP RESOURCES

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36079	202	140	2	2	--	--	--
36080	202	40	1	1	--	--	--
36081	202	70	1	1	--	--	--
36082	202	60	1	1	--	--	--
36083	202	38	1	1	--	--	--
36084	202	48	1	1	--	--	--
36085	202	55	2	1	--	--	--
36086	202	40	1	1	--	--	--
36087	202	45	1	2	--	--	--
36088	202	40	1	1	--	--	--
36089	202	85	1	1	--	--	--
36090	202	230	1	1	--	--	--
36091	202	165	11	1	--	--	--
36092	202	105	2	1	--	--	--
36093	202	62	1	1	--	--	--
36094	202	93	1	1	--	--	--
36095	202	56	1	1	--	--	--
36096	202	52	1	1	--	--	--
36097	202	75	1	1	--	--	--
36098	202	80	2	1	--	--	--
36099	202	220	1	1	--	--	--
36100	202	80	1	1	--	--	--
36101	202	70	2	3	--	--	--
36102	202	62	2	8	--	--	--
36103	202	44	2	12	--	--	--
36104	202	60	3	4	--	--	--
36105	202	50	3	1	--	--	--
36106	202	45	5	2	--	--	--
36107	202	35	4	1	--	--	--
36108	202	105	4	1	--	--	--
36109	202	190	2	1	--	--	--
36110	202	62	2	2	--	--	--
36111	202	115	1	1	--	--	--
36112	202	40	1	1	--	--	--
36113	202	180	2	1	--	--	--
36114	202	110	3	1	--	--	--
36115	202	150	2	1	--	--	--
36116	202	210	3	1	--	--	--
36117	202	155	3	4	--	--	--
STD-01	214	188	7	1	--	--	--

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TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

CERT. # : A8412711-004-
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36118	202	60	1	1	--	--	--
36119	202	65	1	5	--	--	--
36120	202	112	2	2	--	--	--
36121	202	195	2	1	--	--	--
36122	202	295	2	1	--	--	--
36123	202	200	1	1	--	--	--
36124	202	165	1	1	--	--	--
36125	202	170	2	1	--	--	--
36126	202	98	2	1	--	--	--
36127	202	310	2	1	--	--	--
36128	202	165	2	1	--	--	--
36129	202	70	2	1	--	--	--
36130	202	70	3	1	--	--	--
36131	202	38	6	1	--	--	--
36132	202	48	4	1	--	--	--
36133	202	45	2	1	--	--	--
36134	202	70	1	1	--	--	--
36135	202	96	1	1	--	--	--
36136	202	70	1	1	--	--	--
36137	202	75	1	1	--	--	--
36138	202	55	1	1	--	--	--
36139	202	95	1	1	--	--	--
36140	202	80	1	1	--	--	--
36141	202	80	1	1	--	--	--
36142	202	92	1	1	--	--	--
36143	202	160	12	2	--	--	--
36144	202	150	16	1	--	--	--
36145	202	120	2	1	--	--	--
36146	202	55	1	1	--	--	--
36147	202	155	1	1	--	--	--
36148	202	110	1	1	--	--	--
36149	202	145	4	1	--	--	--
36150	202	400	3	1	--	--	--
36151	202	100	1	1	--	--	--
36152	202	45	2	1	--	--	--
36153	202	55	2	1	--	--	--
6154	202	40	4	1	--	--	--
36155	202	210	2	1	--	--	--
36156	202	180	3	1	--	--	--
STD-01	214	190	7	1	--	--	--

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VANCOUVER, B.C.

TO : SELCO MINING CORPORATION LTD

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VANCOUVER, B.C.
V6C 1K5

CERT. # : A8412711-005
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

ATTN: TOM CARPENTER CC: BP RESOURCES

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36157	202	260	3	1	--	--	--
36158	202	120	1	1	--	--	--
36159	202	50	6	1	--	--	--
36160	202	35	2	2	--	--	--
36161	202	38	2	2	--	--	--
36162	202	28	1	1	--	--	--
36163	202	92	2	1	--	--	--
36164	202	105	2	1	--	--	--
36165	202	220	2	1	--	--	--
36166	202	100	1	1	--	--	--
36167	202	100	1	2	--	--	--
36168	202	109	1	1	--	--	--
36169	202	40	1	1	--	--	--
36170	202	87	1	1	--	--	--
36171	202	88	1	1	--	--	--
36172	202	50	1	1	--	--	--
36173	202	62	5	1	--	--	--
36174	202	58	3	1	--	--	--
36175	202	56	3	1	--	--	--
36176	202	135	1	1	--	--	--
36177	202	100	1	1	--	--	--
36178	202	47	9	1	--	--	--
36201	202	93	3	1	--	--	--
36202	202	140	3	1	--	--	--
36203	202	100	2	1	--	--	--
36204	202	48	2	2	--	--	--
36205	202	95	2	1	--	--	--
36206	202	110	2	2	--	--	--
36207	202	50	2	1	--	--	--
36208	202	82	3	1	--	--	--
36209	202	75	3	1	--	--	--
36210	202	95	2	1	--	--	--
36211	202	95	2	1	--	--	--
36212	202	100	2	2	--	--	--
36213	202	98	2	2	--	--	--
36214	202	80	2	1	--	--	--
36215	202	140	5	1	--	--	--
36216	202	80	2	1	--	--	--
36217	202	118	1	2	--	--	--
STD-01	214	185	8	1	--	--	--

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CANADA V7J 2C1

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TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

CERT. # : A8412711-006-/
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36218	202	70	2	1	--	--	--
36219	202	65	2	1	--	--	--
36220	202	95	5	1	--	--	--
36221	202	66	2	1	--	--	--
36222	202	115	1	1	--	--	--
36223	202	70	2	1	--	--	--
36224	202	205	3	2	--	--	--
36225	202	67	2	1	--	--	--
36226	202	145	15	1	--	--	--
36227	202	52	4	1	--	--	--
36228	202	55	2	1	--	--	--
6229	202	40	2	1	--	--	--
36230	202	28	1	1	--	--	--
36231	202	42	1	1	--	--	--
36232	202	65	1	1	--	--	--
36233	202	60	1	1	--	--	--
36234	202	82	1	1	--	--	--
36235	202	75	1	1	--	--	--
36236	202	86	1	1	--	--	--
36237	202	40	1	1	--	--	--
36238	202	80	2	1	--	--	--
36239	202	45	1	1	--	--	--
36240	202	115	1	1	--	--	--
36241	202	82	3	1	--	--	--
36242	202	95	3	1	--	--	--
36243	202	150	3	2	--	--	--
36244	202	145	2	1	--	--	--
36245	202	105	2	1	--	--	--
36246	202	82	1	1	--	--	--
36247	202	105	2	1	--	--	--
36248	202	150	1	1	--	--	--
36249	202	180	1	1	--	--	--
36250	202	90	1	1	--	--	--
36251	202	80	2	1	--	--	--
36252	202	60	2	1	--	--	--
36253	202	105	2	1	--	--	--
5254	202	56	2	1	--	--	--
36255	202	62	3	2	--	--	--
36256	202	48	2	4	--	--	--
STD-01	214	190	7	1	--	--	--

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CERTIFICATE OF ANALYSIS

JUL - 3 1984
SELCO - EXPLORATION
VANCOUVER, B.C.

TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

CERT. # : A8412711-007
INVOICE # : I8412711
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36257	202	58	3	1	--	--	--
36258	202	74	5	1	--	--	--
36259	202	85	1	1	--	--	--
36260	202	50	1	1	--	--	--
36261	202	105	1	1	--	--	--
36262	202	85	1	1	--	--	--
DUP-01	214	210	2	2	--	--	--
STD-01	214	194	8	1	--	--	--

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NORTH VANCOUVER, B.C.
CANADA V7J 2C1

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

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TO : SELCO MINING CORPORATION LTD

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VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

CERT. # : A8412712-001-.
INVOICE # : I8412712
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36263	202	150	1	1	--	--	--
36264	202	150	1	1	--	--	--
36265	202	110	1	1	--	--	--
36266	202	130	3	1	--	--	--
36267	202	35	3	1	--	--	--
36268	202	50	3	1	--	--	--
36269	202	60	2	2	--	--	--
36270	202	23	3	1	--	--	--
36271	202	120	4	1	--	--	--
36272	202	56	4	1	--	--	--
36273	202	65	6	1	--	--	--
6274	202	45	4	1	--	--	--
36275	202	45	4	1	--	--	--
36276	202	48	2	1	--	--	--
36277	202	40	4	1	--	--	--
36278	202	65	1	1	--	--	--
36279	202	55	4	19	--	--	--
36280	202	72	3	1	--	--	--
36281	202	70	3	2	--	--	--
36282	202	82	3	1	--	--	--
36283	202	100	11	5	--	--	--
36284	202	130	2	1	--	--	--
36285	202	135	1	1	--	--	--
36286	202	58	3	1	--	--	--
36287	202	90	3	5	--	--	--
36288	202	70	7	10	--	--	--
36289	202	125	2	3	--	--	--
36290	202	148	1	1	--	--	--
36291	202	98	2	1	--	--	--
36301	202	215	1	1	--	--	--
36302	202	96	1	1	--	--	--
36303	202	180	1	1	--	--	--
36304	202	210	1	1	--	--	--
36305	202	58	1	1	--	--	--
36306	202	55	1	1	--	--	--
36307	202	32	1	1	--	--	--
6308	202	40	2	1	--	--	--
36309	202	40	2	1	--	--	--
36310	202	50	1	1	--	--	--
STD-01	214	185	7	1	--	--	--

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CHEMEX LABS LTD.

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

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

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CERTIFICATE OF ANALYSIS

TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

RECEIVED
JUL-3 1984
SELCO - BP EXPLORATION
VANCOUVER B.C.

CERT. # : A8412712-002-
INVOICE # : I8412712
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36311	202	56	2	1	--	--	--
36312	202	58	2	1	--	--	--
36313	202	58	2	1	--	--	--
36314	202	110	1	1	--	--	--
36315	202	56	2	1	--	--	--
36316	202	58	1	1	--	--	--
36317	202	185	1	1	--	--	--
36318	202	135	1	1	--	--	--
36319	202	115	1	1	--	--	--
36320	202	140	1	1	--	--	--
36321	202	105	1	1	--	--	--
36322	202	90	1	1	--	--	--
36323	202	200	2	1	--	--	--
36324	202	120	2	1	--	--	--
36325	202	68	2	1	--	--	--
36326	202	110	2	1	--	--	--
36327	202	150	2	1	--	--	--
36328	202	90	2	1	--	--	--
36329	202	120	1	1	--	--	--
36330	202	170	1	1	--	--	--
36331	202	260	1	1	--	--	--
36332	202	96	1	1	--	--	--
36333	202	205	1	1	--	--	--
36334	202	110	3	1	--	--	--
36335	202	80	2	1	--	--	--
36336	202	65	3	1	--	--	--
36337	202	100	3	1	--	--	--
36338	202	48	2	1	--	--	--
36339	202	70	3	5	--	--	--
36340	202	55	3	2	--	--	--
36341	202	78	3	1	--	--	--
36342	202	28	2	1	--	--	--
36343	202	30	2	1	--	--	--
36344	202	60	3	1	--	--	--
36345	202	48	2	1	--	--	--
36346	202	160	2	1	--	--	--
36347	202	100	2	1	--	--	--
36348	202	92	3	1	--	--	--
36349	202	105	2	1	--	--	--
STD-01	214	190	6	1	--	--	--

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212 BROOKSBANK AVI
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CANADA V7J 2C

TELEPHONE: (604) 984-02
TELEX: 043-525

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TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

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SELCO - BP EXPLORATION
VANCOUVER, B.C.

CERT. # : A8412712-003
INVOICE # : I8412712
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

ATTN: TOM CARPENTER CC: BP RESOURCES

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36350	202	110	1	1	--	--	--
36351	202	140	1	1	--	--	--
36352	202	93	1	1	--	--	--
36353	202	120	1	1	--	--	--
36354	202	105	1	1	--	--	--
36355	202	80	1	1	--	--	--
36356	202	90	1	1	--	--	--
36357	202	65	2	1	--	--	--
36358	202	250	1	1	--	--	--
36359	202	98	1	1	--	--	--
36360	202	125	1	1	--	--	--
36361	202	110	1	1	--	--	--
36362	202	80	1	1	--	--	--
36363	202	130	1	1	--	--	--
36364	202	145	1	1	--	--	--
36365	202	140	1	1	--	--	--
36366	202	120	1	1	--	--	--
36367	202	100	1	1	--	--	--
36368	202	118	1	1	--	--	--
36369	202	64	1	1	--	--	--
36370	202	80	2	1	--	--	--
36371	202	64	1	1	--	--	--
36372	202	76	1	1	--	--	--
36373	202	155	2	1	--	--	--
36374	202	76	2	1	--	--	--
36376	202	80	2	1	--	--	--
36377	202	50	2	1	--	--	--
36378	202	60	1	1	--	--	--
36379	202	75	2	1	--	--	--
36380	202	100	1	1	--	--	--
36381	202	82	1	1	--	--	--
36382	202	82	2	1	--	--	--
36383	202	70	1	1	--	--	--
36384	202	158	1	1	--	--	--
36385	202	115	2	1	--	--	--
36386	202	82	1	1	--	--	--
36387	202	78	1	1	--	--	--
36388	202	75	1	1	--	--	--
36389	202	78	1	1	--	--	--
STD-01	214	185	7	1	--	--	--

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212 BROOKSBANK A
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CANADA V7J 2
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V6C 1K5

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CERT. # : A8412712-00
INVOICE # : I8412712
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36390	202	92	1	1	--	--	--
36391	202	75	1	1	--	--	--
36392	202	55	2	1	--	--	--
36393	202	140	400	1	--	--	--
36394	202	75	2	1	--	--	--
36395	202	80	2	1	--	--	--
36396	202	120	1	1	--	--	--
36397	202	140	1	1	--	--	--
36398	202	105	1	1	--	--	--
36399	202	130	14	1	--	--	--
36400	202	180	1	1	--	--	--
36401	202	65	1	1	--	--	--
36402	202	65	1	1	--	--	--
36403	202	78	1	2	--	--	--
36404	202	120	1	1	--	--	--
36405	202	115	1	1	--	--	--
36406	202	65	1	1	--	--	--
36407	202	70	1	1	--	--	--
36408	202	100	1	1	--	--	--
36409	202	110	1	1	--	--	--
36410	202	90	1	1	--	--	--
36411	202	110	2	2	--	--	--
36412	202	120	2	1	--	--	--
36413	202	58	1	1	--	--	--
36414	202	70	1	1	--	--	--
36415	202	65	1	1	--	--	--
36416	202	100	1	1	--	--	--
36417	202	140	1	1	--	--	--
36418	202	250	1	1	--	--	--
36419	202	85	2	1	--	--	--
36420	202	115	5	1	--	--	--
36421	202	74	7	1	--	--	--
36422	202	74	8	1	--	--	--
36423	202	90	4	1	--	--	--
36424	202	110	12	1	--	--	--
36425	202	225	3	1	--	--	--
36426	202	160	2	1	--	--	--
36427	202	190	1	1	--	--	--
36428	202	98	1	1	--	--	--
STD-01	214	190	8	1	--	--	--

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CERT. # : A8412712-005
INVOICE # : I8412712
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36429	202	54	7	1	--	--	--
36431	202	140	1	1	--	--	--
36432	202	97	1	1	--	--	--
36433	202	190	1	1	--	--	--
36434	202	100	1	1	--	--	--
36435	202	95	1	1	--	--	--
36436	202	120	1	1	--	--	--
36437	202	175	1	1	--	--	--
36438	202	100	1	1	--	--	--
36439	202	120	1	1	--	--	--
36441	202	105	3	1	--	--	--
36442	202	62	2	1	--	--	--
36443	202	130	3	1	--	--	--
36444	202	50	6	1	--	--	--
36445	202	72	10	1	--	--	--
36446	202	75	3	1	--	--	--
36447	202	65	2	1	--	--	--
36448	202	75	7	1	--	--	--
36449	202	65	2	1	--	--	--
36450	202	165	1	1	--	--	--
36451	202	95	1	1	--	--	--
36452	202	120	1	1	--	--	--
36453	202	70	2	1	--	--	--
36454	202	150	2	1	--	--	--
36455	202	63	2	1	--	--	--
36456	202	160	1	1	--	--	--
36457	202	50	2	1	--	--	--
36458	202	150	2	1	--	--	--
36459	202	120	1	1	--	--	--
36460	202	62	3	1	--	--	--
36461	202	55	3	1	--	--	--
36462	202	55	3	1	--	--	--
36463	202	50	3	1	--	--	--
36464	202	56	5	1	--	--	--
36465	202	65	5	1	--	--	--
36466	202	95	8	1	--	--	--
36467	202	135	3	1	--	--	--
36468	202	105	2	1	--	--	--
36469	202	245	2	1	--	--	--
STD-01	214	185	8	1	--	--	--

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212 BROOKSBANK A
NORTH VANCOUVER, E
CANADA V7J 2

TELEPHONE: (604) 984-0
TELEX: 043-52

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TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: TOM CARPENTER CC: BP RESOURCES

CERT. # : A8412712-00
INVOICE # : I8412712
DATE : 29-JUN-84
P.O. # : NONE
PINETREE 10137

JUL-5 1984

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
36470	202	78	3	1	--	--	--
36471	202	68	2	1	--	--	--
36472	202	150	2	1	--	--	--
36474	202	42	2	2	--	--	--
36475	202	100	2	1	--	--	--
36476	202	45	2	1	--	--	--
36477	202	55	3	2	--	--	--
36478	202	42	1	1	--	--	--
36479	202	100	1	1	--	--	--
36480	202	175	1	1	--	--	--
36481	202	145	1	1	--	--	--
36482	202	130	1	1	--	--	--
36483	202	120	19	1	--	--	--
36488	202	67	2	1	--	--	--
36489	202	50	2	1	--	--	--
36490	202	48	3	1	--	--	--
36491	202	50	4	2	--	--	--
36492	202	80	3	8	--	--	--
36493	202	52	3	1	--	--	--
36494	202	50	2	1	--	--	--
36495	202	58	1	1	--	--	--
36496	202	170	2	1	--	--	--
36497	202	125	2	1	--	--	--
36498	202	130	175	1	--	--	--
36499	202	110	1	1	--	--	--
36500	202	130	1	1	--	--	--
DUP-01	214	135	2	1	--	--	--
STD-01	214	195	8	1	--	--	--

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700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

ATTN: BRIAN GRANT CC: BP RESOURCES

CERT. # : A8412585-001-
INVOICE # : I8412585
DATE : 28-JUN-84
P.O. # : NONE
10137-PINETREE

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	W ppm	Sn ppm	
138619	235	25	8	38	760	2700	--
138620	235	32	19	65	>1000	>20000	--

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RECEIVED
JUN 2 81984
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VANCOUVER, B.C.

CERT. # : A8412584-001-
INVOICE # : I8412584
DATE : 27-JUN-84
P.O. # : NONE
10137-PINETREE

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	W ppm	Sn ppm	
136484	201	33	25	110	1	1	--
136485	201	36	15	49	1	1	--
136486	201	37	27	102	1	1	--
136487	201	30	27	115	1	3	--

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Silt Sample	Cu ppm	Pb ppm	Zn ppm	As ppm	Sn ppm	Bi ppm	Ba ppm
21566	40	24	205	35	1	0.2	320
21565	30	15	118	20	1	0.2	380
21564	51	21	92	41	1	0.2	280
21563	55	20	100	38	1	0.4	280
21562	50	16	95	36	1	0.2	360

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

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

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CERTIFICATE OF ANALYSES

TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

CC: TOM CARPENTER, BP RESOURCES

CERT. # : A8412846-002-A
INVOICE # : I8412846
DATE : 11-JUL-84
P.O. # : NONE
10137 PINETREE

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
THC-84-001	205	20	4	1	--	--	--
THC-84-002	205	45	1	1	--	--	--
THC-84-003	205	16	14	1	--	--	--
THC-84-004	205	44	6	1	--	--	--
THC-84-005	205	55	2	2	--	--	--
THC-84-006	205	7	1	1	--	--	--
THC-84-007	205	9	2	3	--	--	--
THC-84-008	205	30	2	1	--	--	--
THC-84-009	205	75	1	2	--	--	--
THC-84-010	205	40	6	1	--	--	--
THC-84-011	205	15	1	1	--	--	--
THC-84-012	205	27	1	1	--	--	--
THC-84-013	205	15	35	1	--	--	--
THC-84-014	205	37	4	1	--	--	--
THC-84-015	205	75	1	1	--	--	--
THC-84-016	205	14	2	1	--	--	--
THC-84-017	205	68	6	1	--	--	--
THC-84-018	205	30	1	2	--	--	--
THC-84-019	205	55	2	2	--	--	--
THC-84-020	205	43	9	1	--	--	--
THC-84-021	205	40	7	25	--	--	--
THC-84-023	205	7	1	2	--	--	--
THC-84-024	205	105	1	1	--	--	--
DUP-01	214	37	1	1	--	--	--
STD-01	214	205	9	1	--	--	--

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212 BROOKSBANK AVE.
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CANADA V7J 2C1

TELEPHONE: (604) 984-0221
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TO : SELCO MINING CORPORATION LTD

700 - 890 W. PENDER ST.
VANCOUVER, B.C.
V6C 1K5

CERT. # : A8412846-001-
INVOICE # : I8412846
DATE : 11-JUL-84
P.O. # : NONE
10137 PINETREE

CC: TOM CARPENTER, BP RESOURCES

Sample description	Prep code	Zn ppm	W ppm	Sn ppm			
NH-84-001	205	35	1	2	--	--	--
NH-84-002	205	7	5	2	--	--	--
NH-84-003	205	10	3	4	--	--	--
NH-84-004	205	32	4	2	--	--	--
NH-84-005	205	28	1	1	--	--	--
NH-84-006	205	6	1	1	--	--	--
NH-84-007	205	54	1	1	--	--	--
NH-84-008	205	39	4	2	--	--	--
NH-84-009	205	88	1	1	--	--	--
NH-84-010	205	16	6	2	--	--	--
NH-84-011	205	11	1	2	--	--	--
NH-84-012	205	76	2	3	--	--	--
NH-84-013	205	70	8	1	--	--	--
NH-84-014	205	48	4	1	--	--	--
NH-84-015	205	74	1	2	--	--	--
NH-84-016	205	28	4	2	--	--	--
NH-84-017	205	83	1	1	--	--	--
NH-84-018	205	83	1	4	--	--	--
NH-84-019	205	37	1	1	--	--	--
NH-84-020	205	25	3	1	--	--	--
NH-84-021	205	50	2	1	--	--	--
NH-84-022	205	65	1	1	--	--	--
NH-84-023	205	80	3	1	--	--	--
NH-84-024	205	95	1	1	--	--	--
NH-84-025	205	33	2	1	--	--	--
NH-84-026	205	17	1	1	--	--	--
NH-84-027	205	18	8	1	--	--	--
NH-84-028	205	50	1	1	--	--	--
NH-84-029	205	10	3	1	--	--	--
NH-84-030	205	62	1	1	--	--	--
NH-84-031	205	55	1	1	--	--	--
NH-84-032	205	94	4	1	--	--	--
NH-84-033	205	67	1	1	--	--	--
NH-84-034	205	81	1	1	--	--	--
NH-84-035	205	18	4	1	--	--	--
NH-84-036	205	68	1	2	--	--	--
NH-84-037	205	58	1	2	--	--	--
NH-84-038	205	52	1	1	--	--	--
NH-84-039	205	145	1	1	--	--	--
STD-01	214	188	8	1	--	--	--

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APPENDIX III

ROCK SAMPLE DESCRIPTIONS

PINETREE SAMPLES

THC-84-001 (10+00E 1+00N)	Diorite. Greenish partially altered hornblende phenocrysts in a quartzofeldspathic matrix. Contains yellowish clay "clots". Hematized surfaces. Medium grained.
THC-84-002 (10+00E 1+66N)	Diorite. Similar to above. Light to medium grey in colour. Partially altered.
THC-84-003 (10+00E 2+40N)	Muscovite schist. Light grey in fresh surface. Composed of muscovite and quartz. Finely foliated. Fine grained.
THC-84-004 (10+00E 2+85N)	Muscovite schist. Similar to above, but contains minor biotite. Minor iron staining along foliation.
THC-84-005 (10+30E 4+50N)	Metaquartzite. Medium grey in colour. Banded and foliated. Contains fine grained biotite forming a week foliation. Also contains reddish, yellow clay "clots".
THC-84-006	Quartz vein - grab sample. Contains veinlets of a grey metallic mineral in white to reddish quartz. Hematite on fractures. Sent for analysis by ICP, collected between lines 8+00E and 9+00E at = 6+00N.
THC-84-007 (8+00E 5+95N)	Pegmatite. Granitic pegmatite with "books" of muscovite. Sample differentiated into quartz, muscovite and aplitic phases.
THC-84-008 (9+00E 0+63N)	Metaquartzite. Light grey sample with minor fine grained muscovite. Non foliated. Contains minor oxidized hematitic material.
THC-84-009 (9+00E 1+33N)	Diorite. Weakly foliated. Contains 60% mafics and 40% feldspathic material. Well hematized fractures.

THC-84-010 (9+00E 4+12N)	Meta-arkose. Weakly to moderately foliated rock composed of muscovite and biotite/ chlorite in a fine grained quartzofeldspathic matrix. Contains brownish oxidized material.
THC-84-011 (9+00E 3+75N)	Well hematized material which appears to be a sheared quartz or pegmatite vein containing limonitic material, quartz, quartzofeldspathic material and muscovitic material. Weakly foliated.
THC-84-012 (6+00E 1+00S)	Metaquartzite. Light grey sample similar to sample #THC-84-008.
THC-84-013 (3+94W 3+70N)	Quartz vein. White quartz with hematite and minor manganese on occasional fractures.
THC-84-014 (4+00W 8+00N)	Diorite. Medium grained with 60% mafics and 40% felsic material. Felsic material shows evidence of partial alteration.
THC-84-015 (2+85W 9+80N)	Garnet-muscovite-biotite schist. Medium grained well foliated rock. Fine to medium grained with garnet porphyroblasts to 2 mm and biotite "eyes" to 4-5 mm. Contains 25-30% quartz as finer grained material and porphyroblasts.
THC-84-016 (2+85W 9+75N)	Quartz vein. Contains samples of white and blue-grey cherty material. The quartz contains muscovitic material and inclusions of lithic material.
THC-84-017 (6+00W 0+90N)	Muscovite schist. Similar to sample THC-84-003 and TCH-84-004.
THC-84-018 (6+00W 10+10N)	Metaquartzite/meta-arkose. Weakly foliated rock comprising fine grained biotite and muscovitic material in a fine grained quartzofeldspathic matrix. Hematized fractures parallel to foliation.

THC-84-019 (6+00W 10+30N)	Metaquartzite. Moderately foliated rock comprising biotite foliations in a quartzo-feldspathic matrix. Also contains occasional porphyroblasts of muscovite. Fresh rock is brownish grey in colour.
THC-84-020 (5+30W 0+50N)	Muscovite schist. Medium grained rock consisting of muscovite and minor biotite in a quartzofeldspathic material. Hematite and minor manganese on fractures.
THC-84-021 (5+30W 0+50N)	Pegmatite. Comprises muscovite books in reddish stained quartz.
THC-84-022 (5+00W 10+50N)	Metaquartzite. Sample misplaced.
THC-84-023 (3+00W 10+25W)	Quartz vein. White quartz with minor blackish material (hornblende? tourmaline?).
THC-84-024 (3+00W 10+50N)	Garnet-muscovite-biotite schist. Coarse grained equivalent of sample THC-84-015. Contains brown and pinkish garnet and well developed biotite "eyes".
(5+00W 10+75N)	Metaquartzite. Well foliated rock with biotite foliations in a quartzofeldspathic matrix. Light grey in colour. Un-numbered hand sample.

PINETREE SAMPLES cont.d

NH-84-001 (8+00E 3+15S)	Diorite. Fine to medium grained. Contains 60% mafic material as well as developed phenocrysts in a quartzofeldspathic matrix. Sample is cut by a stockwork of 2 mm wide silica veinlets.
NH-84-002 (4+00E 1+90N)	Quartz from vein cutting diorite. White with minor limonite staining.
NH-84-003 (4+00E 1+55N)	Pegmatite from dyke cutting metadiorite. Composed predominantly of quartz and feldspar.
NH-84-004 (4+00E 2+40N)	Diorite. Medium to coarse grained with well developed amphiboles in a white to pinkish feldspathic matrix. Mafics comprise 60% of sample.
NH-84-005 (4+00E 3+80N)	Quartz from vein. Deep red in colour due to iron staining. Contains a vein of amphibole material.
NH-84-006 (4+00E 6+35N)	Quartz from vein. Contains minor amphibole. Varies in volour from grey to red, the latter due to iron staining.
NH-84-007 (7+00E 4+80N)	Diorite. From coarse grained outcrop with hornblende phenocrysts 2 cm in length. Some of the felsic material is hematite stained.
NH-84-008 (7+00E 4+85N)	Diorite. Relatively fine grained rock with apparently increased felsic material (50-60%) and decreased mafics. Hematitic fractures.
NH-84-009 (7+00E 5+80N)	Sample taken from pegmatite. Consists largely of amphibole "rosettes" in a quartz matrix. Also contains minor fine grained muscovite.

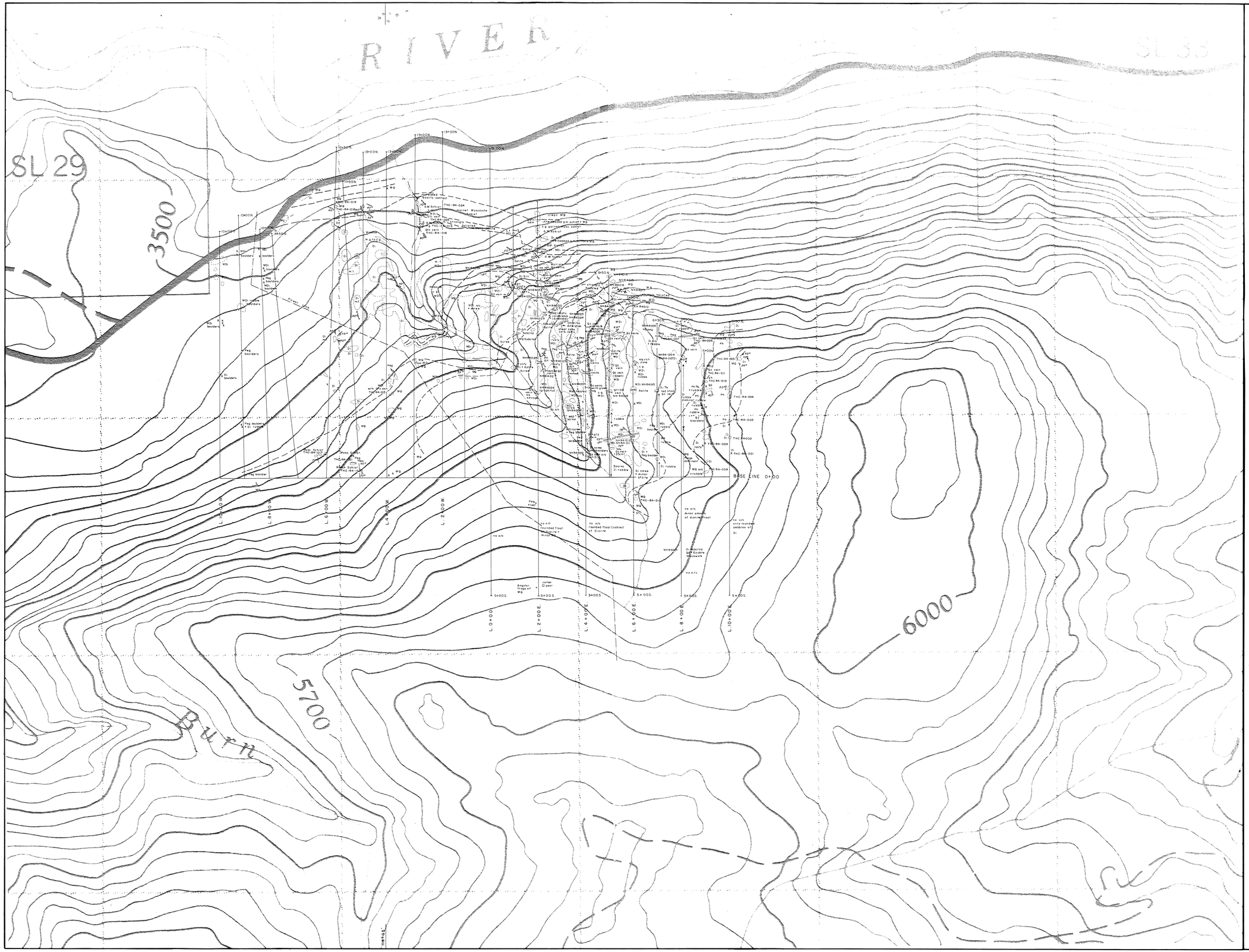
NH-84-010 (6+50E 7+50N)	Metaquartzite. Light grey in colour. Very weakly foliated. Hematized fractures parallel to bedding.
NH-84-011 (6+00E 1+80N)	Pegmatite. Granitic composition. White to grey in colour.
NH-84-012 (6+00E 1+80N)	Metadiorite. Similar to sample NH-84-008. Fine grained. Contains manganese on fractures. Mafics partially altered to chlorite. Contains occasional quartz phenocrysts.
NH-84-013 (6+00E 3+80N)	Diorite. Fine grained. Weakly folaited. Contains 60-70% quartzofeldspathic material and 30-40% mafic material. Sample is brownish to light grey in colour.
NH-84-014 (5+00E 8+60N)	Metadiorite? Metasediment? Comprises biotite foliations and occasional muscovite porphryoblasts in a fine grained quartzo-feldspathic matrix.
NH-84-015 (5+00E 8+25N)	Metasediment? Similar to sample #NH-84-014 but slightly darker in colour and slightly less foliated. Hematized fractures.
NH-84-016 (5+00E 8+00N)	Metaquartzite. Light grey in colour with no micaceous material evident. Hematized fractures.
NH-84-017 (4+75E 8+00N)	Metaquartzite. Massive weakly banded rock. Hematitic fractures. Clean quartzite with no micaceous material evident.
NH-84-018 (5+00E 3+65N)	Fine grained highly chloritic rock (after diabase?). Manganiferous.
NH-84-019 (5+00E 5+25N)	Meta-aplite? From aplite dike. Foliated rock consisting of biotite foliations in a fine grained quartzofeldspathic matrix.

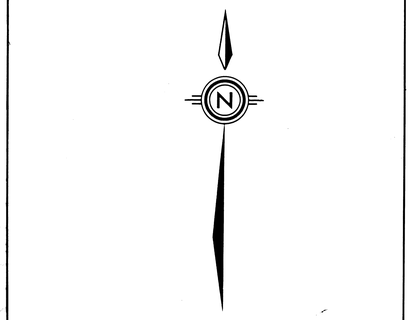
NH-84-020 (5+00E 5+90N)	Diorite. Medium grey sample containing 20-30% mafic material in a feldspathic matrix. Partial alteration evident due to proximity to quartz vein.
NH-84-021 (5+00E 7+05N)	Metaquartzite. Light to medium grey. Very little micaceous material evident. Well fractured with hematized fractures.
NH-84-022 (7+00W 8+25N)	Diorite. Dark grey to black, medium grained rock containing 70% mafics and 30% quartzofeldspathic material.
NH-84-023 (3+00E 4+75N)	Metadiorite. Fine grained rock with 30-40% mafic material in a brownish-beige feldspathic partially altered matrix. Hematized fractures.
NH-84-024 (3+00E 6+75N)	Chloritic rock. Heavily altered (chloritized) diorite equivalent. Manganese on shears. Sample taken from contact between chloritically altered diorite and metamorphosed sediments.
NH-84-025A (3+00E 6+75N)	Metaquartzite. Light grey in colour. Banding evident. Hematitic alteration emphasizes banding and is also found along fractures.
NH-84-025B (3+00E 6+75N)	Carbonate rich metaquartzite. Contains fine grained diopsides in a light grey matrix.
NH-84-026 (2+00E 4+00N)	Fine grained altered diorite. From gossanous zone within diorite. Highly chloritized. Limonitic. Contains minor veinlets of a brownish weathering metallic mineral. Analyzed by ICP.
NH-84-027 (2+00E 4+90N)	Quartz from vein. Sheared. Medium brown in colour. Vein contains phlogopite and biotite.
NH-84-028 (2+00E 5+40N)	Diorite. Similar in composition to NH-84-001 including silica veining. Hematite and manganese on fractures.

NH-84-029	Sheared aplite or quartz vein with siderite stringers and pale green chlorite.
NH-84-030 (2+50E 7+00N)	Fine grained sample at diorite contact. Composed of fine grained biotite foliations in a siliceous matrix. Possible meta-sediment.
NH-84-031 (2+50E 7+00N)	Metaquartzite. Medium grey to brownish rock. Similar to NH-84-030 but without biotite foliations.
NH-84-032 (1+70E 7+50N)	Sample from contact zone at base of meta-sediment sequence. Highly chloritized fine grained to medium grained rock, may be a metadiorite or metadiabase.
NH-84-033 (1+70E 7+50N)	Medium grey rock. Carbonate rich. May be altered sediment or carbonate vein in chill margin.
NH-84-034 (1+70E 7+90N)	Metadiorite. Weakly foliated rock containing 60-70% mafics (hornblende and biotite) and 30-40% felsic material. Cut by 1-2 mm silica vein.
NH-84-035 (2+00E 8+20N)	Metasediment. Light grey in colour. Weakly foliated with muscovite and/or very pale green chlorite foliations in a quartzitic matrix.
NH-84-036 (2+00E 9+30N)	Garnet-muscovite-schist. Similar to THC-84-015. Quartz rich.
NH-84-037	Garnet-muscovite schist. Similar to but slightly coarser grained than NH-84-36. Containing garnet and quartz porphyroblasts to 3-4 mm. Also contains biotite "augens".
NH-84-038 (2+00E 10+20N)	Interbedded quartz-muscovite schist and metaquartzite, the latter containing a lesser quantity of muscovite.

NH-84-039
(0+00 9+00N)

Pyrite veins in a dark grey rock of indeterminate composition. The rock appears to be hornfelsic and although having sedimentary features it almost resembles basalt. Probably a metasediment.





LOCATION MAP
SCALE 1 : 250,000

LEGEND

MESOZOIC OR (?) CENOZOIC

- Peg — Granitic pegmatite. Locally differentiated into quartz rich zones. Locally aplitic.
- Qz vein — Quartz vein. May be contemporaneous with pegmatite.

PROTEROZOIC - Purcell or (?) later

- MDi — Moyie Intrusions. Weakly to strongly foliated metadiorite.
- Di — Moyie Intrusions. Medium to coarse grained diorite. Unaltered.

PROTEROZOIC - Purcell

Aldridge Formation Meta sediments

- MQ — Metaquartzite
- Ph — Phyllite
- Musc. Schist — Muscovite Schist
- GM Schist — Garnet - Muscovite Schist.

- x — Outcrop
- Strike + dip of bedding (inclined, vertical)
- Strike + dip of foliation (inclined, vertical)
- Strike + dip of jointing (inclined, vertical)
- Strike + dip of veins (inclined, vertical)
- Geological contacts (known, inferred)
- Fault (known, inferred)
- Strike + dip of fault zone
- Strike + plunge of syncline, anticline
- Creek
- Road
- THC 84001 / NH 84001 — Sample location sites

LIST OF ABBREVIATIONS

Hb - hornblende
Chl - chlorite
m g - medium grained
m f - moderately foliated
c g - coarse grained
s f - strongly foliated

NOTE : Variation in cross line length is due to inconsistencies involved with the use of topofil in steep terrain.

0 100 200 300 400 500
Scale 1: 5000

GEOLOGICAL BRANCH
ASSESSMENT REPORT
13,108

SELCO INC. EXPLORATION WESTERN CANADA

SLOCAN PROJECT
PINETREE CLAIMS
GEOLOGY MAP 1984

DRAWN BY	DATE	N.T.S.	PLAN
T. CARPENTER N. HUGHES	JUNE, 1984.	82F/9E	1
TRACED BY J.S.	DATE JULY, 1984.		

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,108

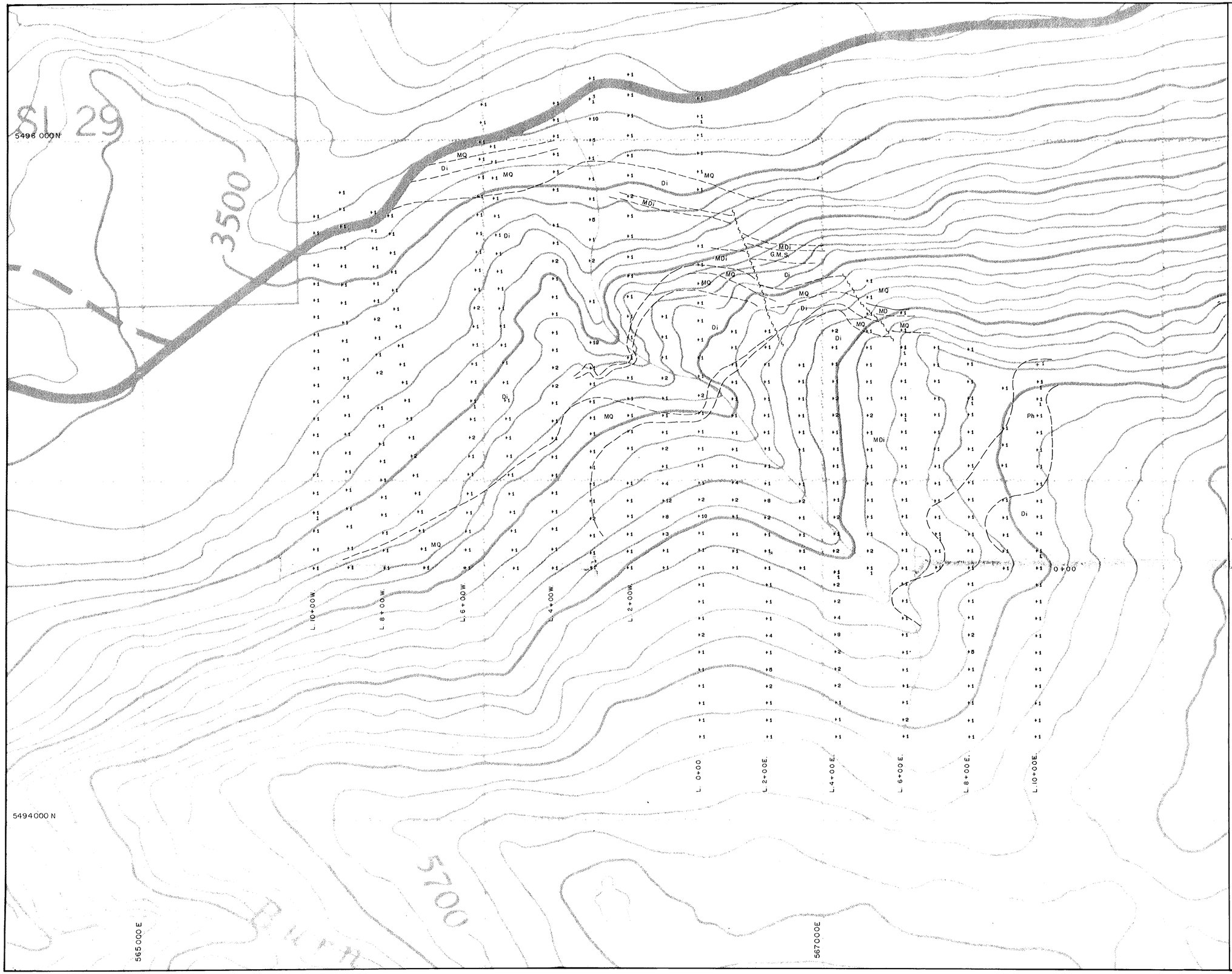
0 100 200 300 400 500
Scale 1:5000

SELCO EXPLORATION WESTERN CANADA

SLOCAN PROJECT
PINETREE CLAIMS

SAMPLE & GRID LOCATION MAP
1984

DRAWN BY	DATE	N.T.S.	PLAN
T. CARPENTER N. HUGHES	JUNE, 1984.	82F/9E	2
TRACED BY J.S.	DATE JUNE, 1984.		



LEGEND

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Di — Moyie Intrusions – Medium to coarse grained diorite. Unaltered.

PROTEROZOIC – Purcell
Aldridge Formation Metasediments

MQ — Metaquartzite

Ph — Phyllite

G.M.S. — Garnet - Muscovite Schist

0 100 200 300 400 500
Scale 1: 5000

SELCO — EXPLORATION WESTERN CANADA

SLOCAN PROJECT
PINETREE CLAIMS

SOIL GEOCHEMISTRY
Sn (PPM)

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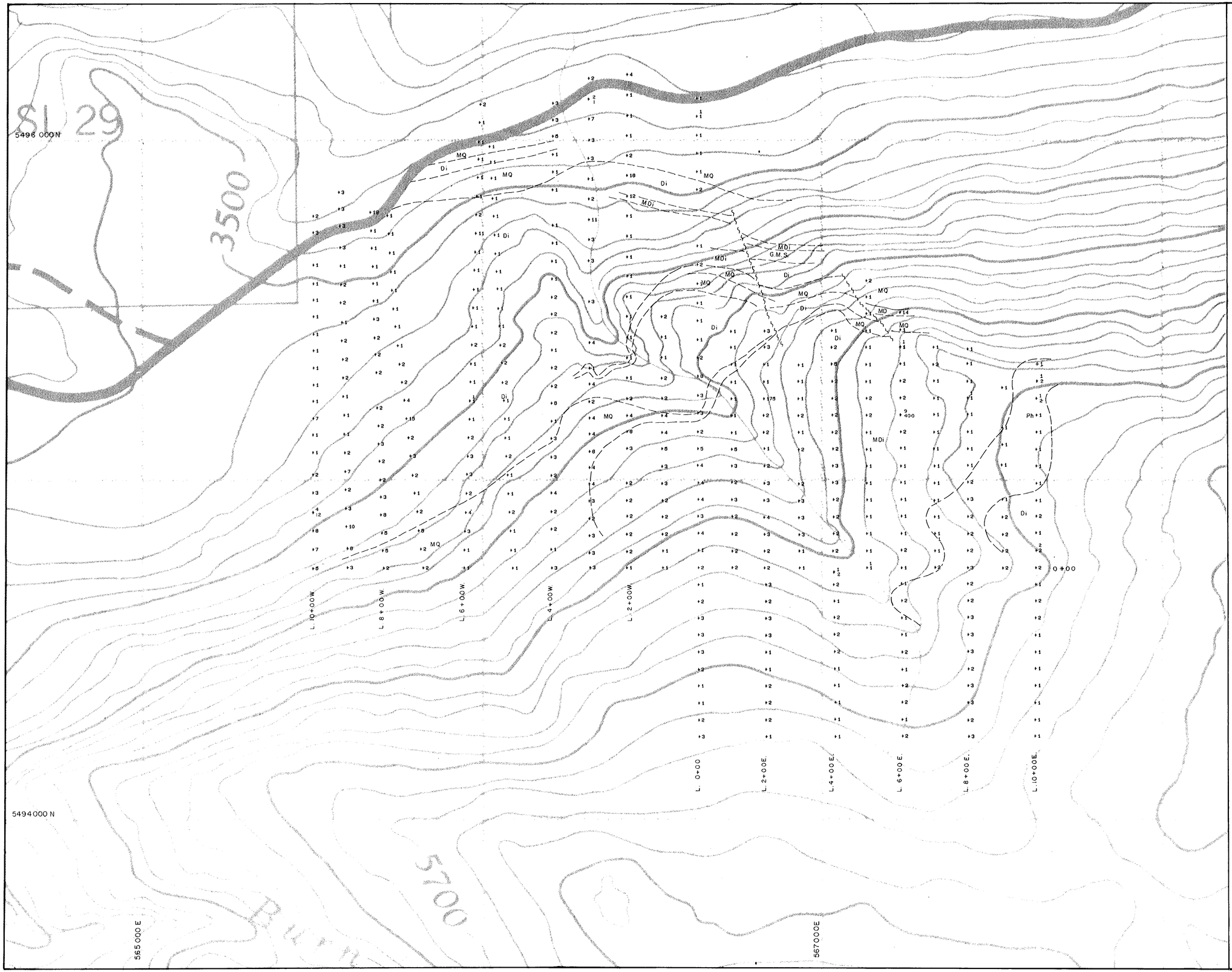
T. CARPENTER N. HUGHES	JUNE, 1984.	82F/9E	3
TRACED BY J.S.	DATE JUNE, 1984.		



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LEGEND

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PROTEROZOIC - Purcel
Aldridge Formation Metasediments

MQ Metaquartzite

Ph Phyllite

G.M.S. Garnet - Muscovite Schist

0 100 200 300 400 500
Scale 1: 5000

SELCO EXPLORATION WESTERN CANADA

SLOCAN PROJECT
PINETREE CLAIMS

SOIL GEOCHEMISTRY
W (PPM)

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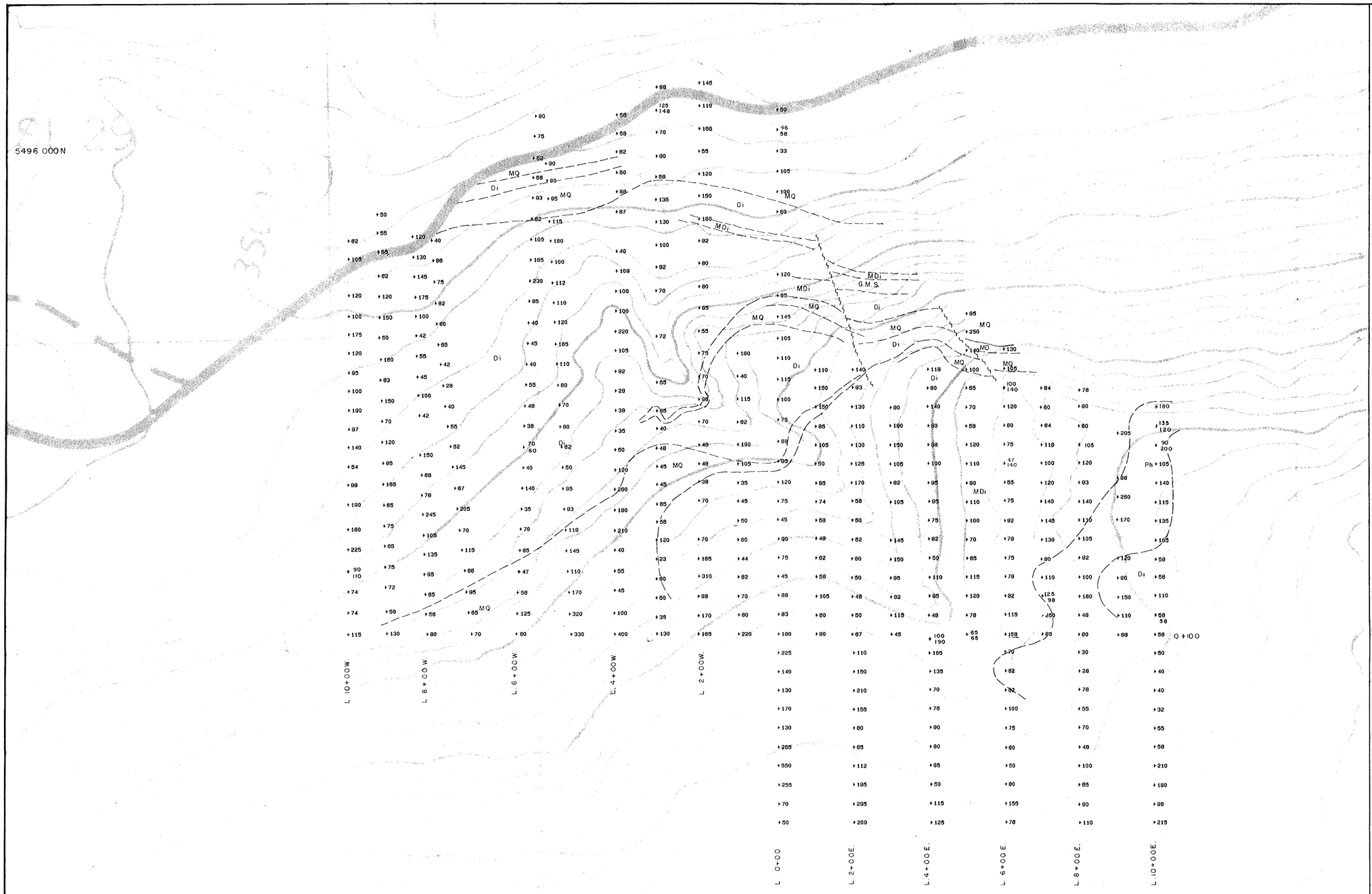
TRACED BY J.S.	DATE JUNE, 1984.		



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LEGEND

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

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SELCO — EXPLORATION WESTERN CANADA

SLOCAN PROJECT
PINETREE CLAIMS

SOIL GEOCHEMISTRY
Zn (PPM)

DRAWN BY	DATE	N.T.S.	PLAN
T. CARPENTER N. HUGHES	JUNE, 1984.	82F/9E	5
TRACED BY J.S.	DATE JUNE, 1984.		