83-#173 - 12131

1983 Assessment Report

Diamond Drilling

Title:	GOLDEN CROWN PROPERTY
Commodity:	Gold, Copper, Silver
Claims:	Golden Crown, Winnipeg, Columet, Hard Cash, Hecla, Joe Joe, Nabob Fr., Sissy, War Cloud, Win Fr.
Location:	Phoenix area, Greenwood M.D. 49° 05' N 118° 35' W N.T.S. 82E 2E
Author:	L. Sookochoff, P.Eng. Sookochoff Consultants Ltd. 311-409 Granville St. Vancouver, B.C., V6C 1T2
Owner:	Consolidated Boundary Exploration Ltd. Box 511, Grand Forks, B.C.. V0H 1H0
Dates of Work:	August 15, 1983 to December 17, 1983
Date of Report:	March 27, 1984
Operator:	S.J. Resources Ltd. Vancouver, B.C.

TABLE OF CONTENTS

ILLUSTRATIONS

1983 Assessment Report

Diamond Drilling Program

on the

GOLDEN CROWN PROPERTY

INTRODUCTION

From August to December 1983 an exploration program consisting of geochemical, geophysical and geological surveys in addition to trenching and diamond drilling was completed on the GOLDEN CROWN PROPERTY.

The purpose of the exploration program was to locate and test potential mineralized zones paralleling the main gold bearing zones - Golden Crown, Central and Winnipeg - and to test the known main mineralized zones for extensions.

The drilling was accomplished utilizing BQ size drill equipment. A total of 2270.6 feet (691.8 meters) of drilling was completed in 18 drill holes.

PROPERTY

The property consists of two Crown granted claims, seven reverted Crown granted claims and one recorded two post claim all contiguous. Particulars are as follows:

Claim	Lot No.	Record No.	Expiry Date *
Crown Granted Claims			
Golden Crown		Crown Grant	Tax due July 1
Winnipeg		Crown Grant	Tax due July 1
Reverted Crown Grants			
Hecla	859	1772	December 12, 1992
War Cloud Fr	1316	1773	December 12, 1994
Hard Cash	1062	1774	December 12, 1994
Nabob Fr	1063	1774	December 12, 1994
Joe Joe	7595	1775	December 12, 1994
Sissy	1068	1776	December 12, 1994
Calumet	1314	1777	December 12, 1994
Recorded Claims (Two Post)			
Win Fr.		1784	September 24,1994

* Upon approval of five years assessment work for which this report forms a part thereof.

LOCATION AND ACCESS

The property is located 13 km northwest of Grand Forks and within three km of Phoenix. Access is west from Grand Forks via the No.3 Highway for 16 km to the Phoenix junction. The junction of the road to the property is at an old railway grade known as the "Hartford Junction" and is adjacent to the tailings of the Phoenix Mine. The Winnipeg-Gold Crown property is within two km of the railway grade.

PHYSIOGRAPHY

The property is located within the Midway Range of the Monashee Mountains and at the headwaters of the westerly flowing Lind Creek and the easterly flowing Skeff and Snowshoe Creeks. The claim area topography is flat to gently rolling wooded area with localized abrupt terrain and elevations ranging from 1250 to 1420 meters.

WATER AND POWER

Sufficient water for all phases of the exploration and development program should be available from water courses on or near the property.

A West Kootenay power line and a telephone line pass through the property.

HISTORY

From the original staking of the Winnipeg and Golden Crown claims in 1891, approximately 2784 meters (8,000 ft.) of shaft and drift were completed to 1905.

The 1896 Minister of Mines report mentions that the Golden Crown and Winnipeg had "considerable amount of development work". In 1899 the Winnipeg workings included "a main shaft down some 300 feet and at the 100 foot level, drifts had been run for 200 feet and 75 feet on either side while at the 200 foot level a station had been cut".

The report also describes the Golden Crown workings as including a 300 foot shaft with cross cut levels at the 100, 150 and 300 foot level drifts.

Development and shippping of ores from the two claims continued in 1901 and 1902. Due to a fire at the Winnipeg in 1902, there was no production until late 1903 when 2,500 tons of ore were shipped "partly from the 50 foot level".

The reported production from the two properties is as follows:

		Gold	Silver	Copper
Winnipeg	58,772	11,675 (0.2oz/ton)	36,550 (.62oz/ton)	190,617 (0.16%)
Golden Crown	2,742	1,239 (0.45oz/ton)	2,250 (.82oz/ton)	83,890 (1.53%)

The Winnipeg was reported to be the largest gold mine in the Greenwood area, producing during the period 1900-03 and 1910-12 more than all the gold mines combined in this area.

Subsequent work of significance was initiated by Sabina Mines in 1965 and by Scurry Rainbow. The exploration program reportedly was focused on the nickel content of the serpentine intrusions. Fifteen holes designated as the S or 68 series were put down for 1652 meters.

Subsequently the W or 76 series of five drill holes for 316.9 meters were put down by the Golden Crown Syndicate. The property was optioned to Con Am Resources in 1977 and a program of diamond drilling was undertaken. A total of 768.9 meters in 12 holes designated as the C or 78 series was drilled during 1978.

In the fall of 1979, Boundary Exploration carried out a diamond drill program consisting of four 79 series holes for 328 meters.

In 1980 the property was optioned to Mundee Mines Ltd. who carried out an exploration program of:

1) Dewatering the Golden Crown shaft to the 30 meter level.
2) Surveying and Geological mapping 250 meters of the 30 meter level drift.
3) Chip sampling of the 30 meter level (56 samples).
4) Survey of all the old surface working and previous drill holes.
5) Surface geological mapping and chip sampling of old workings.
6) Diamond drilling 16 holes for 1563.6 meters(80 series)

GEOLOGY AND MINERALIZATION

The geology is described by D. Runkle M.Sc. as:

"On the property, the Anarchist Group is comprised of andesitic lavas and cherty tuffs. Locally these rock types are distinct, but the bulk of the unit is not definitely indentifiable as either crystalline or tuffaceous because of its very fine grain size. The rock has been metamorphosed to greenschist facies, with local development of very fine grained calc-silicate minerals. As a result, cherty horizons now resemble hard gray-green quartzite. Sulphide horizons composed of pyrrhotite, chaclopyrite and pyrite, plus quartz and calcite are associated with these hard tuffaceous zones. Gold values are associated with some of these sulfide horizons. The zones average one meter in width and up to 50 meters in length, trending approximately 115°."

Serpentine occurs most often along contacts between Anarchist rocks and diorite, although both contacts are rarely visible. Serpentine is usually strongly sheared but is locally composed of fine serpentine pseudo morphs after pyrxene. The diorite is light gray, medium to coarse grained, and generally lightly altered. Coarse grained areas with high amphibole content have been mapped as gabbro. The contact with Anarchist rocks appears to be a broad zone with much intermixing of the two rock types.

WORK COMPLETED 1983

The 1983 exploration program was under the direction of D. Runkle M.Sc. who was assisted in the field by M. Vaskovic.

The explorartion program was initiated in July when a grid consisting of 6.95 km was established to serve as a reference for surveys to be carried out.

A soil geochemical survey was completed in which 265 samples were collected. The anomalous areas were traversed by a magnetometer survey to check for pyrrhotite mineralization.

Thirty back hoe trenches were excavated. The locations trenched were targeted by anomalous geochemical and magnetometer results.

Eighteen diamond drill holes were completed for a total of 691.8 meters or 2270.6 feet. Drill holes 83-1 to 83-5 were drilled by Consolidated Boundary Operating with the core logged and sampled by D. Runkle, M.Sc. Drill holes 83-6 to 83-18 were drilled by Bergeron Drilling of Greenwood B.C. and were logged and sampled by L. Sookochoff, P.Eng. The logs and assay results accompany this report. All drill holes were of BQ core size.

Particulars of the drill holes are as follows:

Hole No.	Azimuth	Dip	Length	
			feet	meters
83-1	020°	-47°	58	17.7
83-2	010°	-45°	86	26.2
83-3	010°	-65°	95	28.9
83-4	345°	-45°	124	37.8
83-5	345°	-65°	118	35.9
83-6	043¼	-45°	96	29.3
83-7	028°	-45°	86.6	26.4
83-8	008°	-45°	87	26.5
83-9	071°	-45°	106	32.3
83-10	228°	-45°	78	23.8
83-11	223°	-45°	93	28.3
83-12	046°	-60°	78	23.8
83-13	045°	-45°	67	20.4
83-14	271°	-45°	59	18
83-15	028°	-45°	68	20.7
83-16	028°	-70°	237	72.2
83-17	028°	-60°	307	93.5
83-18	011°	-65°	427	130.1

RESULTS OF 1983 EXPLORATION PROGRAM

In a report by D. Runkle on the Geochemical survey, trenching and the first five holes of the diamond drill program (84-1 to 84-5) relates the results as follows:

"Geochemical Survey

A soil geochemical survey was completed, in which 265 samples were collected at 25 meter intervals. Samples were collected from the B horizon at depths of 10-30 cm. The soil was brown and clayey. Samples were analysed by Acme Analytical Laboratories Ltd., for Cu, Pb, Zn, Ag, Au & As. Samples with results >100 ppb Au were considered anomalous, re-collected and re-analysed as a double check. These locations also served as targets for local random magnetometer surveys.

Trenching

A total of 30 back hoe trenches were excavated on the Golden Crown property in 1983. Locations are plotted on the accompanying map, Figure 3. Trench locations were targeted by anomalous geochemical and magnetometer results. When mineralization was encountered, chip samples were taken where possible, but in most cases, accurate representation was impossible and grab samples were taken. The following is a summary of pertinent results:

Sample Location	Au oz/ton	width
GC-1	.304	27cm
GC-1a	.128	
GC-2	.162	40cm
GC-3	.124	47cm
GC-4	.202	
	.058	5m
	.094	
GC-11	.051	
GC-20	.102	

These samples represent four different areas, two of which have been tested by drilling in previous years.

Diamond Drilling

Five diamond drill holes were completed on the Golden Crown, for a total of 146.6 meters. The purpose of these holes was to test at depth the extension of mineralization encountered on the surface in trenches and provide representative samples.

Although sulfide mineralization was indeed found to extend to depth, gold values were poor; the best being in hole 83-2, at .122oz/ton over .91 meters. Geological information from the drilling indicates that the mineralized zones tested dip steeply north."

In the balance of the drilling the results on the separate zones were as follows:

Sam Zone (84-6 to 84-8)

The purpose of drill holes 84-6 to 84-8 was to test a mineralized quartz bearing structure exposed in a trench at 4870 N 4500 E. The zone was intersected in all three holes with the zone up to 1.5 meters wide (one meter true width) and assaying up to .031 oz Au/ton and .04 oz Ag/ton (83-6).

Drill Hole 83-9

The purpose of drill hole 83-9 was to test a gold bearing zone intersected in drill hole 76-2. 83-9 intersected a 0.6 m zone of quartz and massive sulphide however the zone was non gold bearing.

Calumet Zone (83-10 to 83-14)

The purpose of drill holes 83-10 to 83-14 was to test a massive sulphide zone at 52+20 E, 49+85 N. Up to three meters of massive sulphide was intersected (83-10 and 83-14) with an assay of 0.58 oz Au/ton.

Golden Crown Zone (83-15 & 83-16)

The purpose of 83-15 and 83-16 was to test the northwestern extension of a mineralized zone intersected in drill hole 80-1.

A mineralized zone was intersected which assayed .456 oz Au/ton over 0.4 meters.

The results suggest that a mineralized zone plunging gently northwesterly similar to the Central zone may occur at the Golden Crown zone.

Winnipeg Zone (83-17)

The purpose of 83-17 was to test the Winnipeg zone structure in order to establish geological parameters to the mineralized zone.

Two significant zones were intersected. A 0.9 meter section assaying .345 oz Au/ton was intersected, hosted by a gabbro with a zone of 0.3 meter assaying .134 oz Au/ton within an andesite.

The results indicate that a significant gold bearing zone does occur at the Winnipeg which was documented as one of the largest producers in the area in the early 1920's.

Central Zone (83-18)

The purpose of drill hole 83-18 was to test the northwesterly plunge extension of a mineralized zone which extends from drill hole 80-15 125 meters to the east where 1.8 meters of .579 oz Au/ton was intersected at an elevation of 1320 meters.

Drill hole 83-18 intersected two gold bearing zones. The first at an elevation of 1300 meters is of 2.2 meters assaying .36 oz Au/ton. The second zone at an elevation of 1256 meters returned .66 oz Au/ton over 1.3 meters.

The results indicate that the mineralized zone continues along a northwesterly plunge.

CONCLUSIONS

The 1983 exploration program was successful in locating, through geochemical surveys, zones (Charlie zone) of mineralization which in testing by drill holes could be the initial stage to the delineation of continuous mineral zones comparable to the Central zone.

Other newly discovered massive sulphide zones (Calumet Zone) were determined to be discontinuous and void of gold content.

The Sam zone is located on a linearly extensive E.M. anomaly which should be explored more extensively.

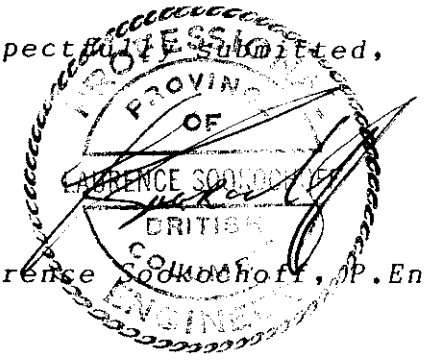
Drilling on the three main zones has indicated the continuation of these zones with the Central zone determined to extend for 150 meters along a shallow plunge to a depth of 95 meters below surface.

Drilling on the Winnipeg and Golden Crown zones has determined significant gold values within a mineralized zone. From these intersections additional drilling would be required to determine the extensions of these two zones.

RECOMMENDATIONS

It is recommended that diamond drilling be continued to establish the continuity of the three main zones. In conjunction with the drill program, the drill core from all the drilling to date should be relogged - in detail adjacent to the mineral zones - to determine the controls to the zones. This data would aid in spotting drill holes for locating extensions of mineral zones and also assist in locating surface expressions of mineral zones.

Respectfully Submitted,



Laurence Sookochoff, P.Eng.

March 27, 1984.
Vancouver, B.C.

BIBLIOGRAPHY

RUNKLE, D. - Progress Reports in the Winnipeg - Golden Crown Property August 1, 1983, August 7, 1983, August 26, 1983, October 3, 1983

SAUNDERS, C.R. et.al. - Geological and Diamond Drilling Report on the Golden Crown Property for Mundee Mines Ltd., December 15, 1980

SOOKOCHOFF, L. - Geological Report on the Winnipeg and Golden Crown for Mundee Mines Ltd., February 7, 1980.

CERTIFICATE

I, Laurence Sookochoff, of the City of Vancouver, in the Province

of British Columbia, do hereby certify:

That I am a Consulting Geologist with offices at 311-409

Granville Street, Vancouver, B.C., V6C 1T2.

I further certify that:

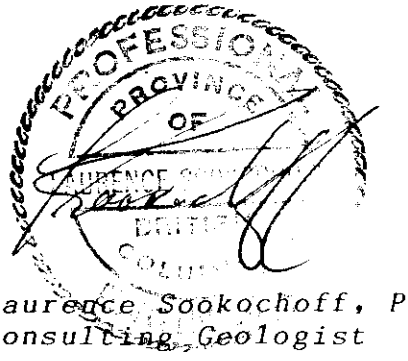
1. *I am a graduate of the University of British Columbia (1966) and hold a B.Sc. degree in Geology.*

2. *I have been practising my profession for the past seventeen years.*

3. *I am registered with the Association of Professional Engineers of British Columbia.*

4. *The information for this report was obtained from sources as cited under bibliography, from work done by the writer on the GOLDEN CROWN PROPERTY since 1980 and from the supervision of the 1983 exploration program.*

5. *I have no direct, indirect or contingent interest in the property described herein or in the securities of S. J. RESOURCES LTD. nor do I expect to receive any.*



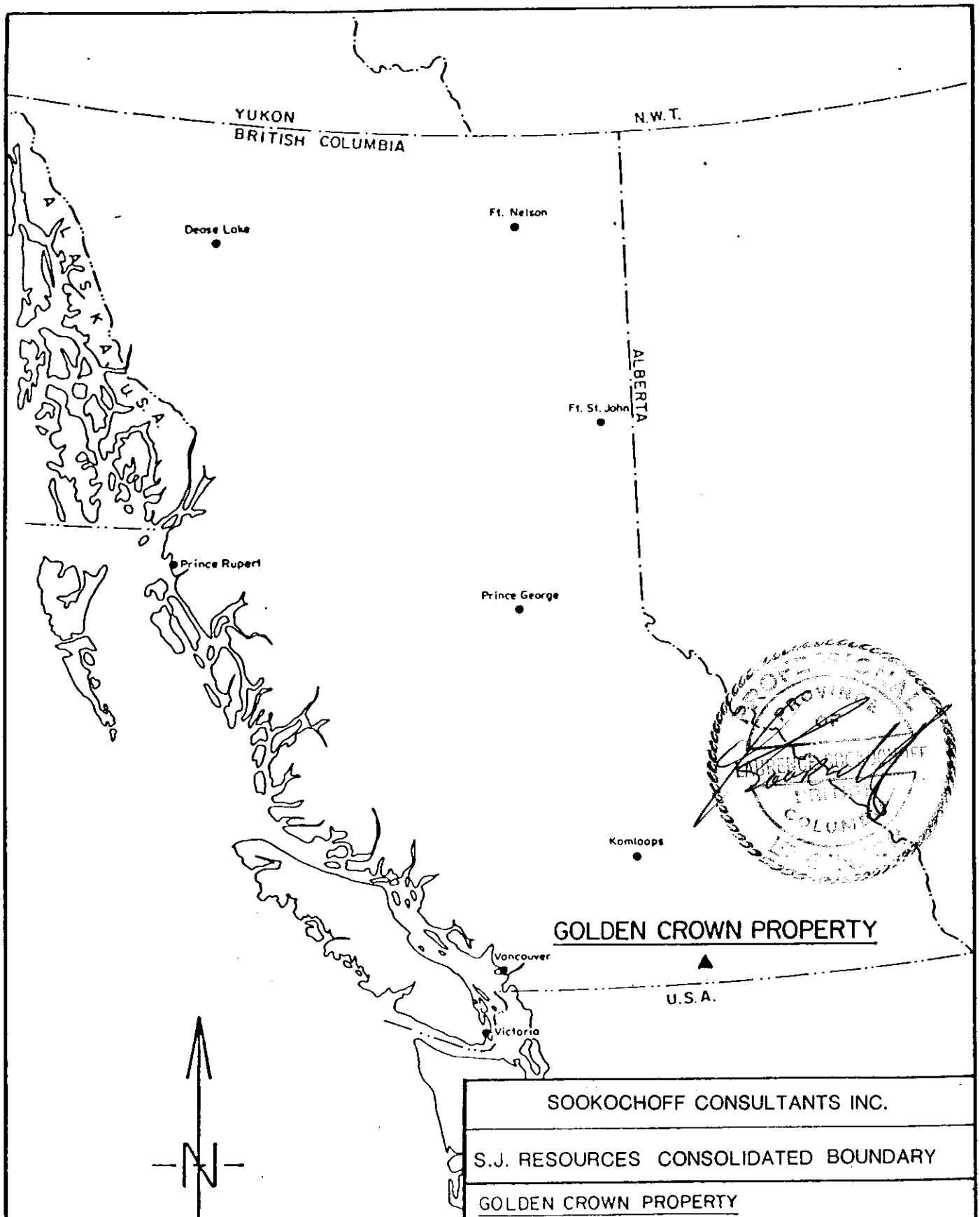
Laurence Sookochoff, P.Eng.
Consulting Geologist

March 27, 1984.
Vancouver, B.C.

CERTIFICATE OF EXPENSES

The diamond drill program on the GOLDEN CROWN PROPERTY was carried out from August 15, 1983 to December 17, 1983 to the value of the following:

Diamond drilling 2109.6 feet § $25 (81-1 to 81-18 excluding 81-11 & 81-15)	$52,740



SOOKOCHOFF CONSULTANTS INC.

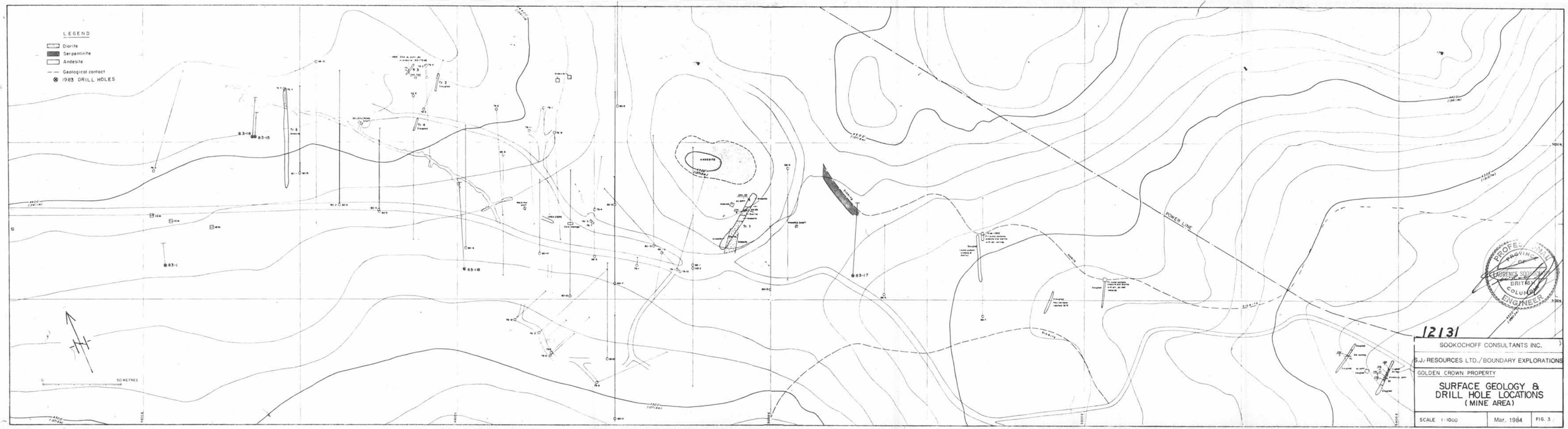
S.J. RESOURCES CONSOLIDATED BOUNDARY

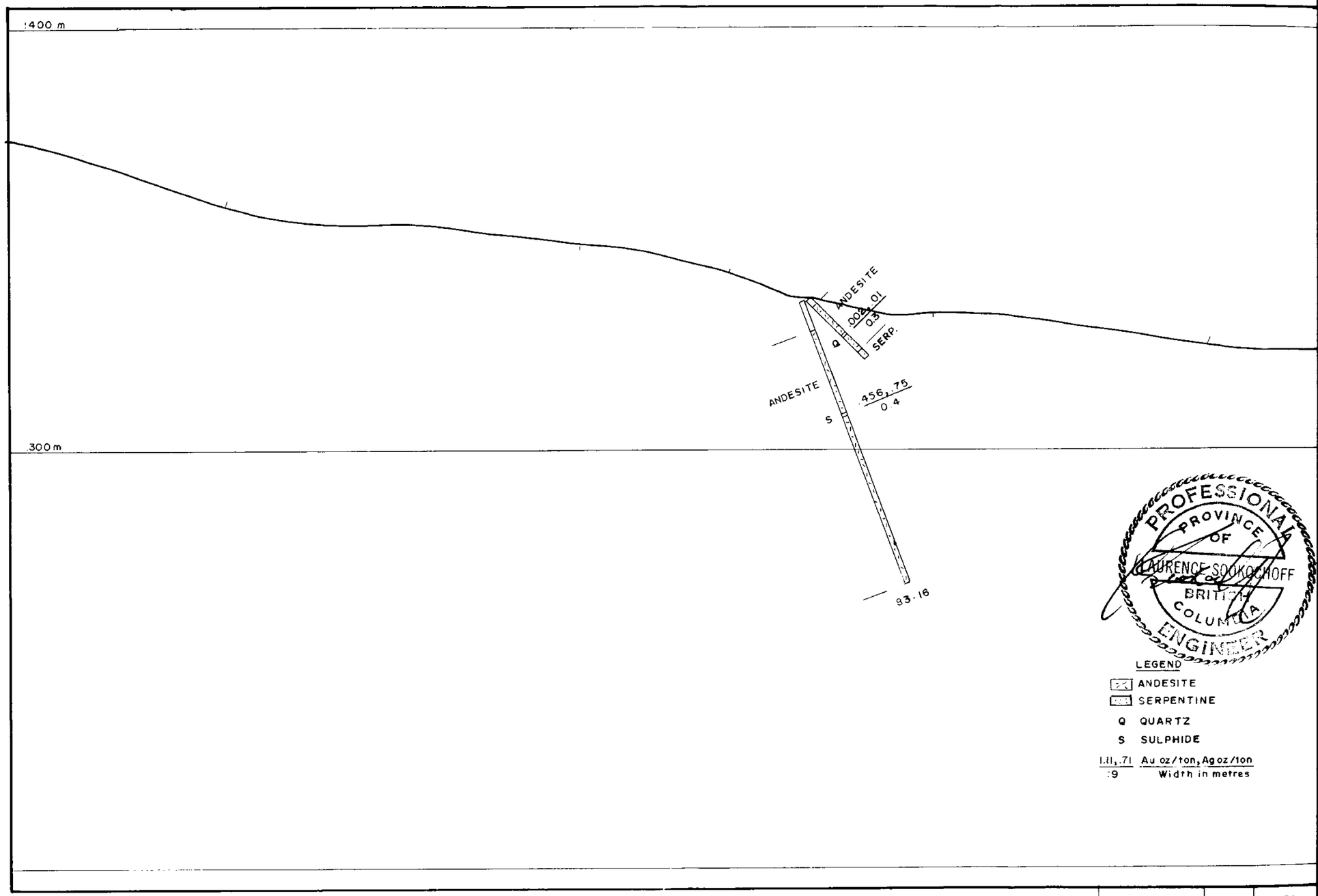
GOLDEN CROWN PROPERTY

LOCATION MAP

BRITISH COLUMBIA

SCALE : 1 : 7,603,200	Mar. 1984	FIG. 1


LEGEND
Diorite
Serpentinite
Andesite
Geological contact
1983 DRILL HOLES
83-1
83-15
83-16
83-17
83-18
Tr. 1
Tr. 2
Tr. 3
Tr. 4
Tr. 5
ANDESITE
POWER LINE
50 METRES
12131
SOOKOCHOFF CONSULTANTS INC.
S.J.R. RESOURCES LTD./BOUNDARY EXPLORATIONS
GOLDEN CROWN PROPERTY
SURFACE GEOLOGY & DRILL HOLE LOCATIONS (MINE AREA)
SCALE 1:1000
Mar. 1984
FIG. 3



SECTION	1:1000	46+50

FIGURE 4

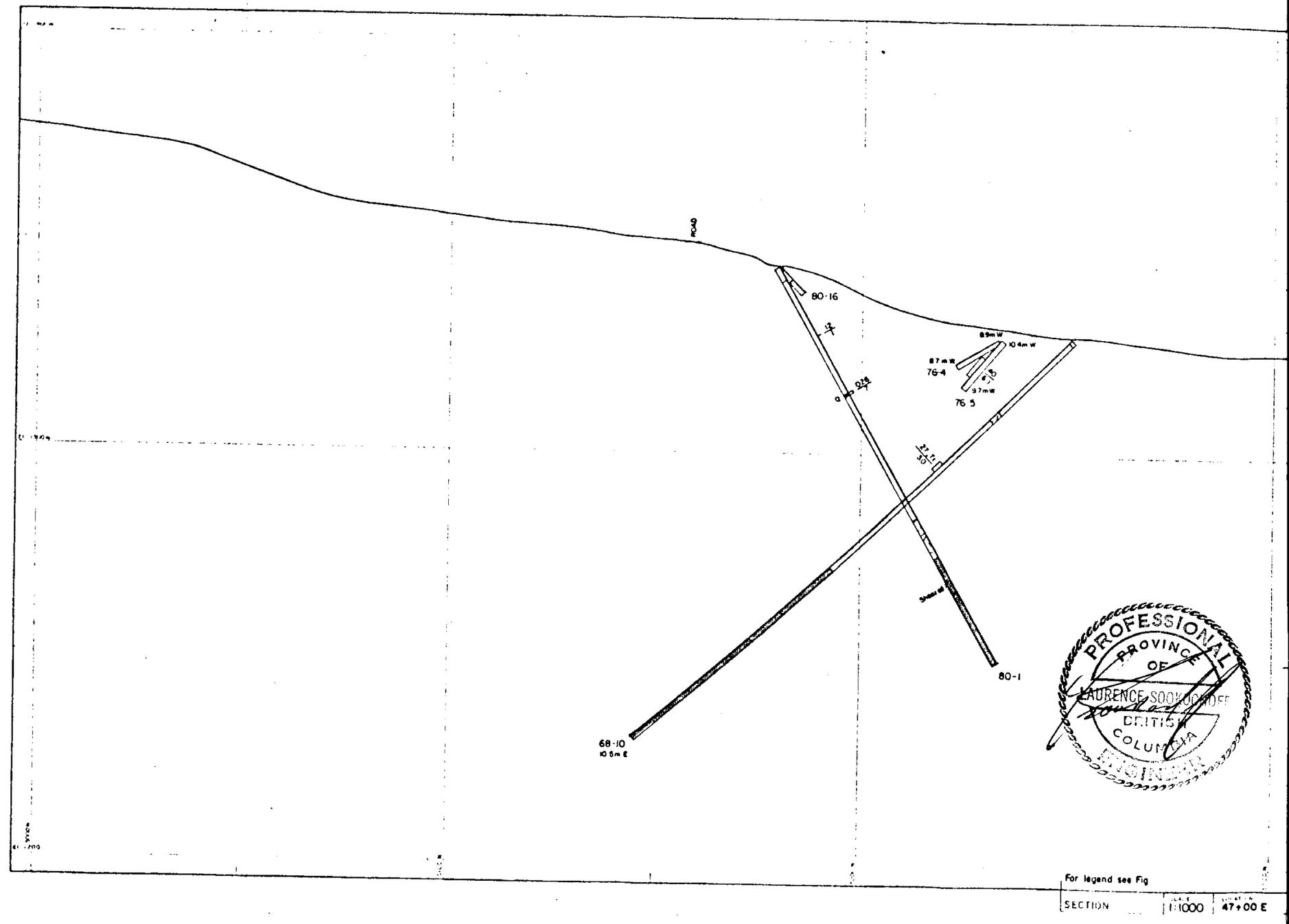

ROAD
80-16
8.9m W
10.4m W
8.7m W
76-4
9.7m W
76-5
80-1
68-10
10.6m E
PROFESSIONAL
PROVINCE
OF
LAURENCE SOOKOCHOFF
BRITISH
COLUMBIA
ENGINEER
For legend see Fig
SECTION
1:1000
47+00 E

FIGURE 5

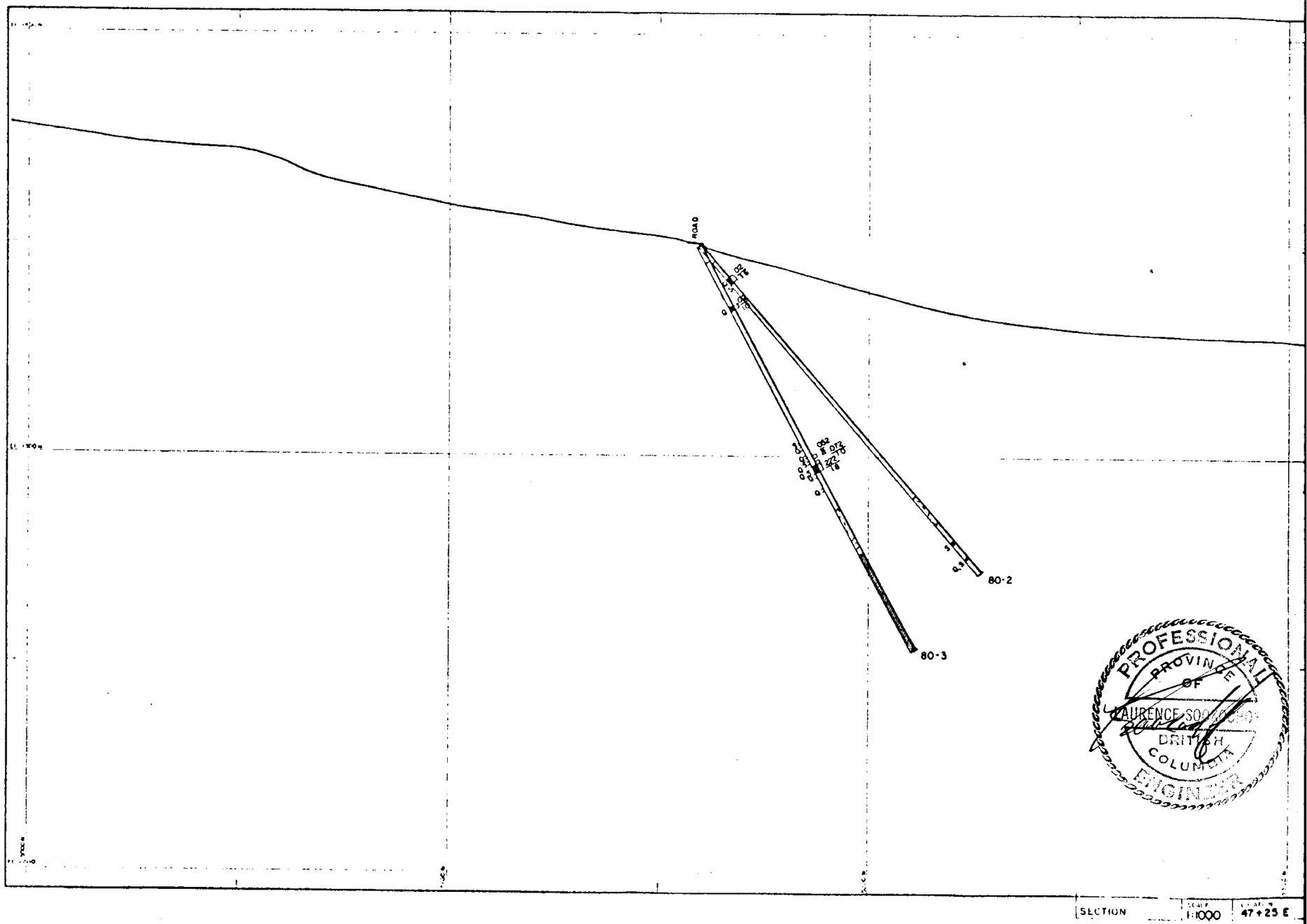
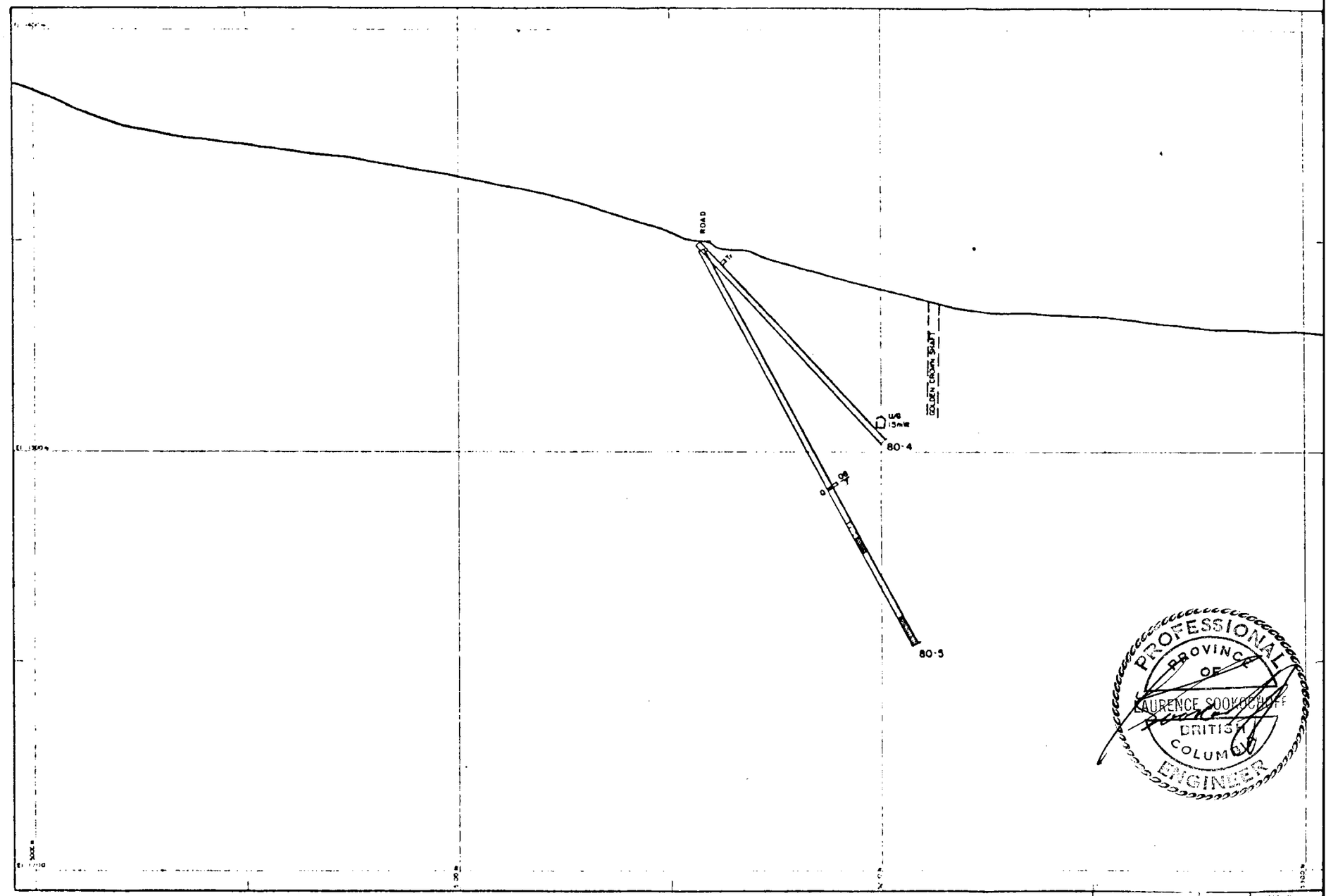
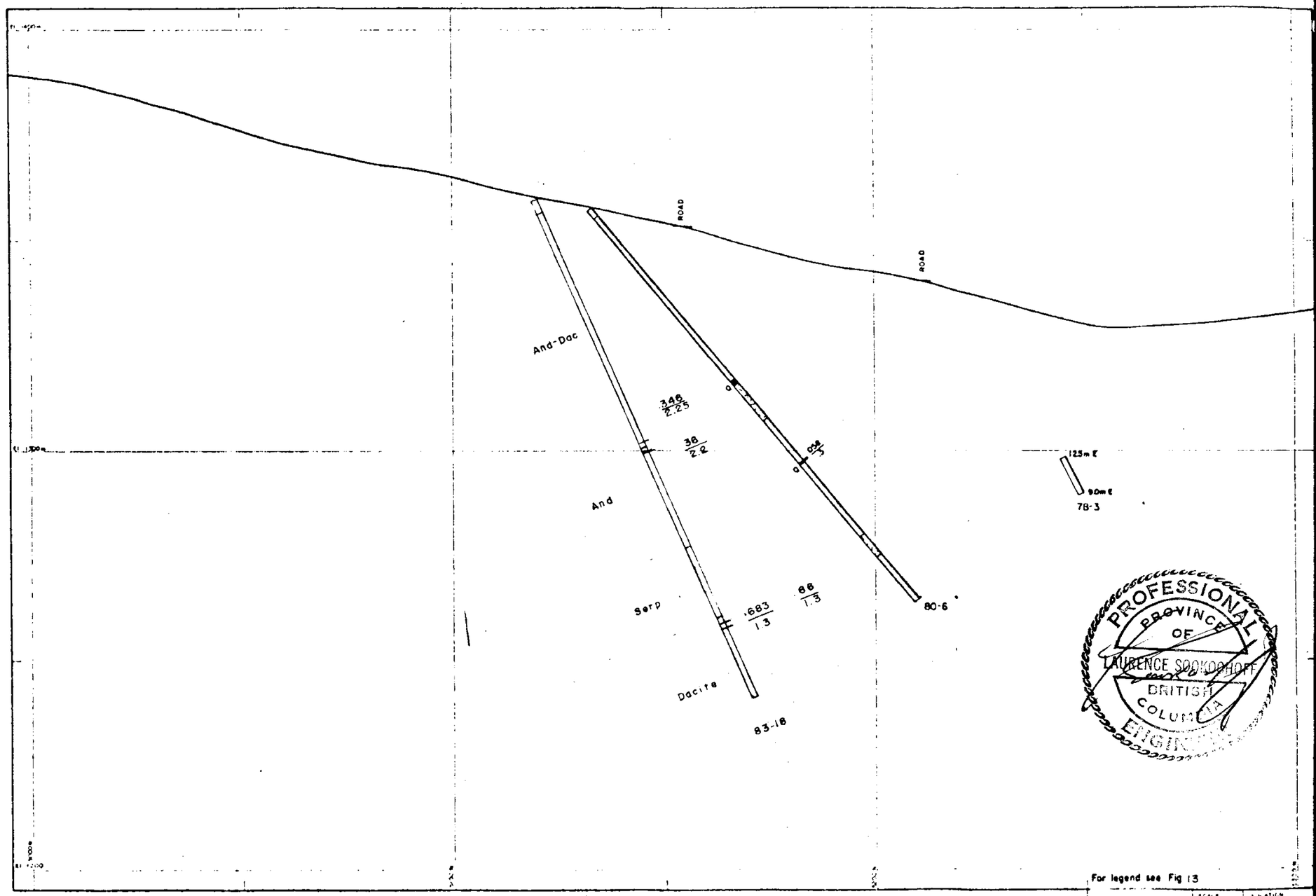

ROAD
80-2
80-3
PROFESSIONAL
PROVINCE
OF
LAURENCE SOCCOMBE
BRITISH
COLUMBIA
ENGINEER
SECTION
SCALE
1:1000
47+25 E

FIGURE 6



SECTION | SCALE 1:1000 | LOCATION 47+50 E.

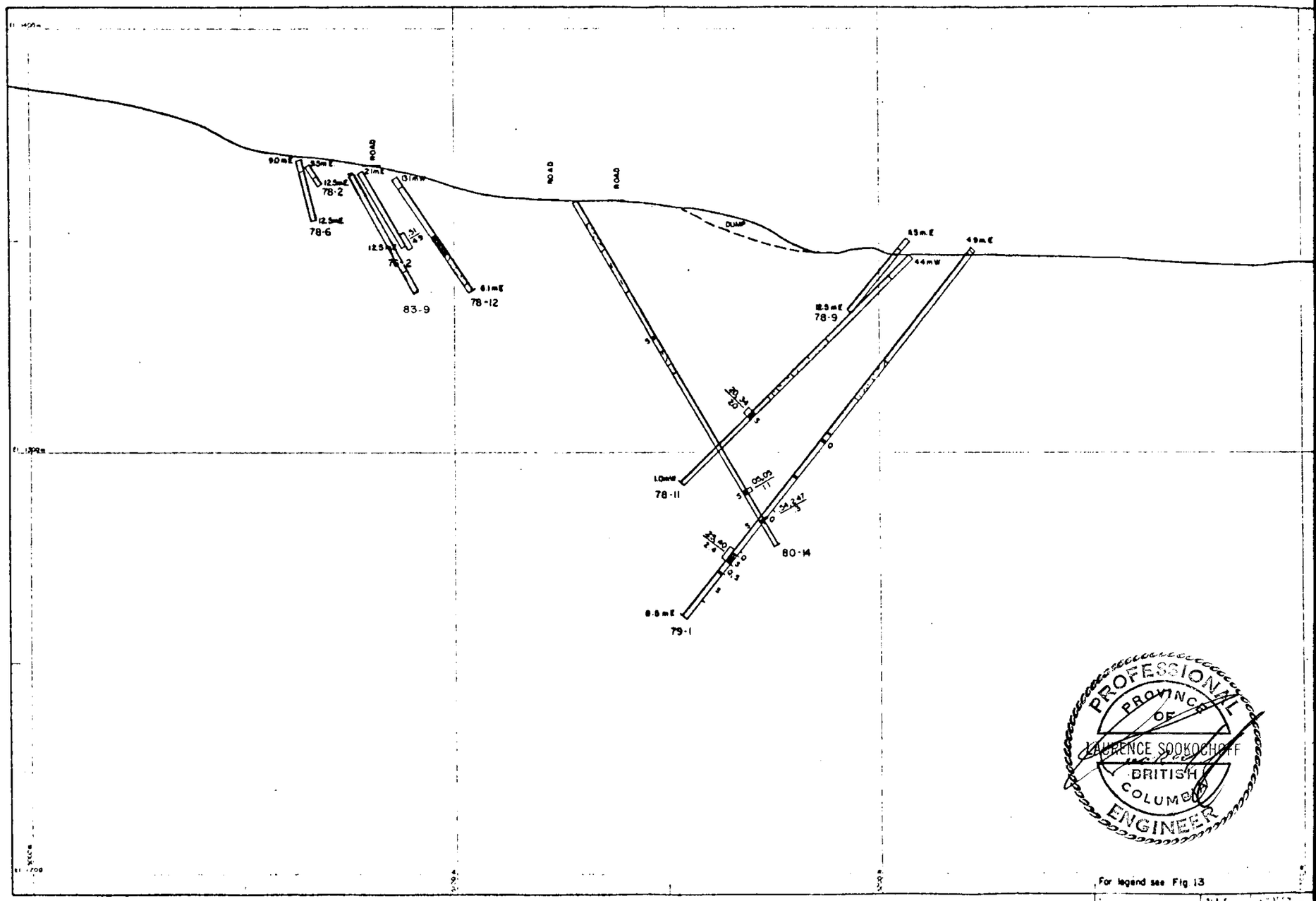
FIGURE 7



For legend see Fig 13

SECTION	SCALE 1:1000	LOCATION 48+00 E

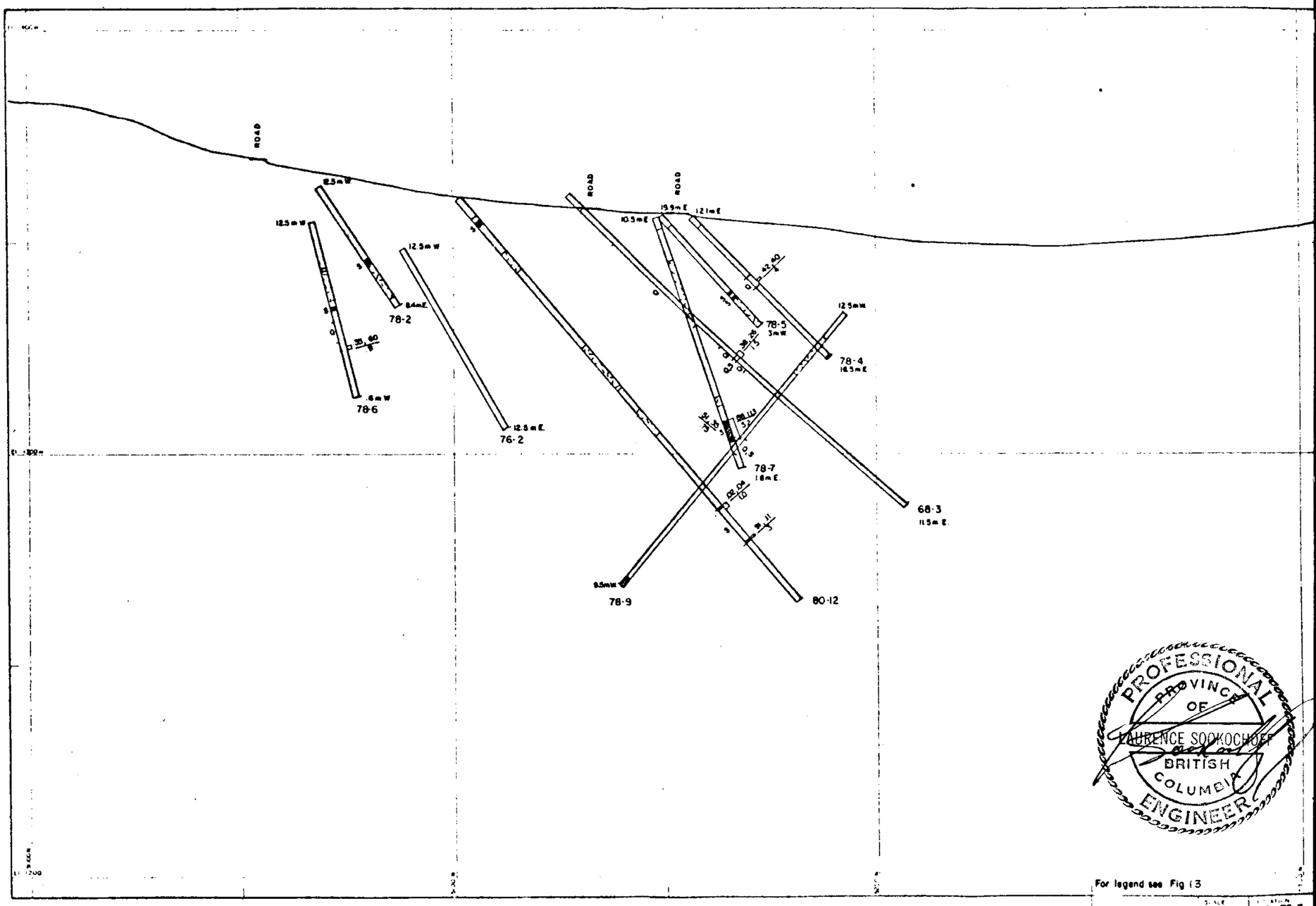
FIGURE 8



For legend see Fig 13

SECTION | 1:1000 | 48+50E

FIGURE 9

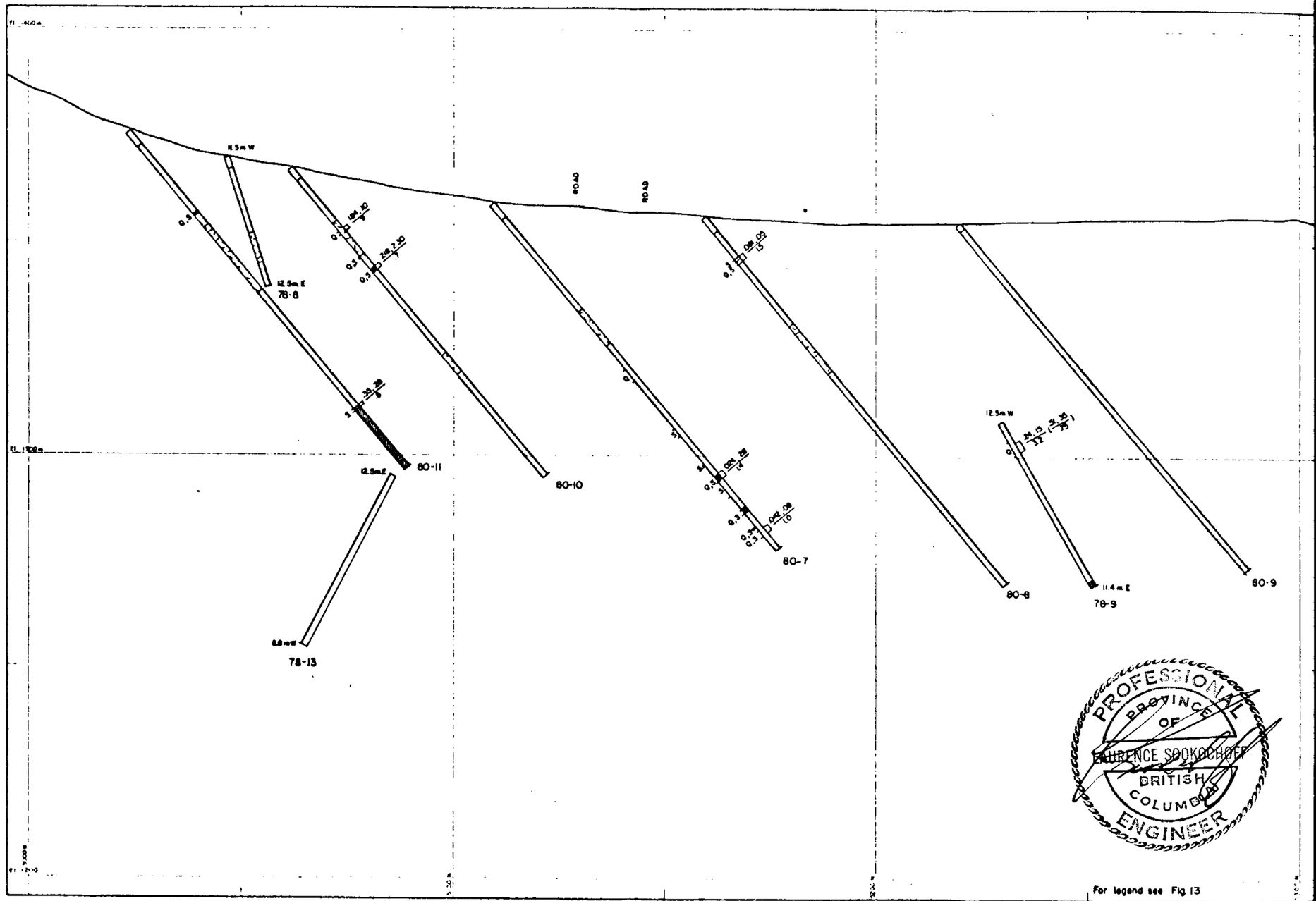


PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
LAURENCE SOOKOCHOFF

For legend see Fig 13

SECTION | SCALE 1:1000 | DATUM 48+75 E.

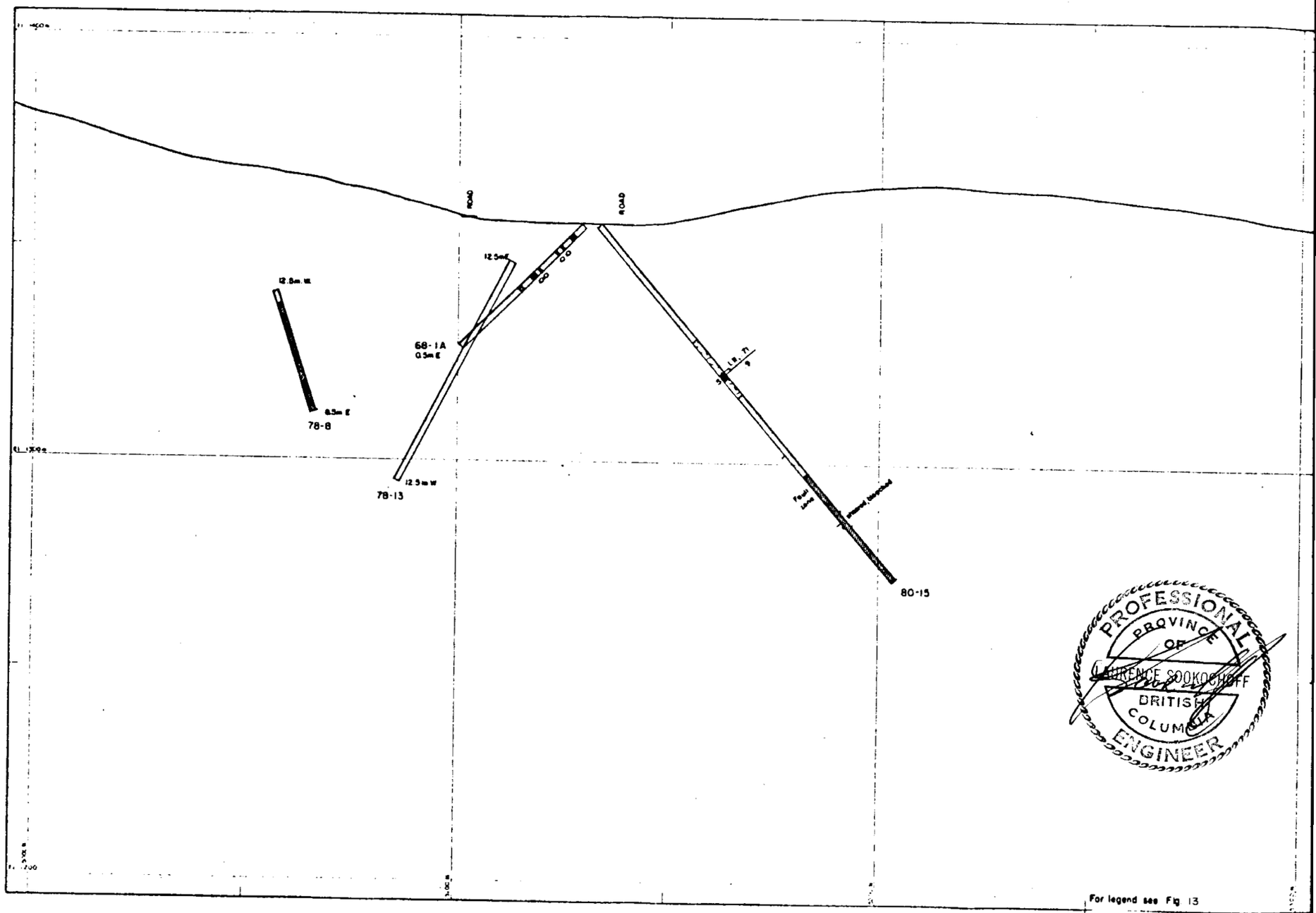
FIGURE 10



For legend see Fig 13

SECTION | SCALE 1:1000 | LOCATION 49+00 E.

FIGURE 11



For legend see Fig. 13

SECTION | SCALE 1:1000 | LOCATION 49+25 E.

FIGURE 12

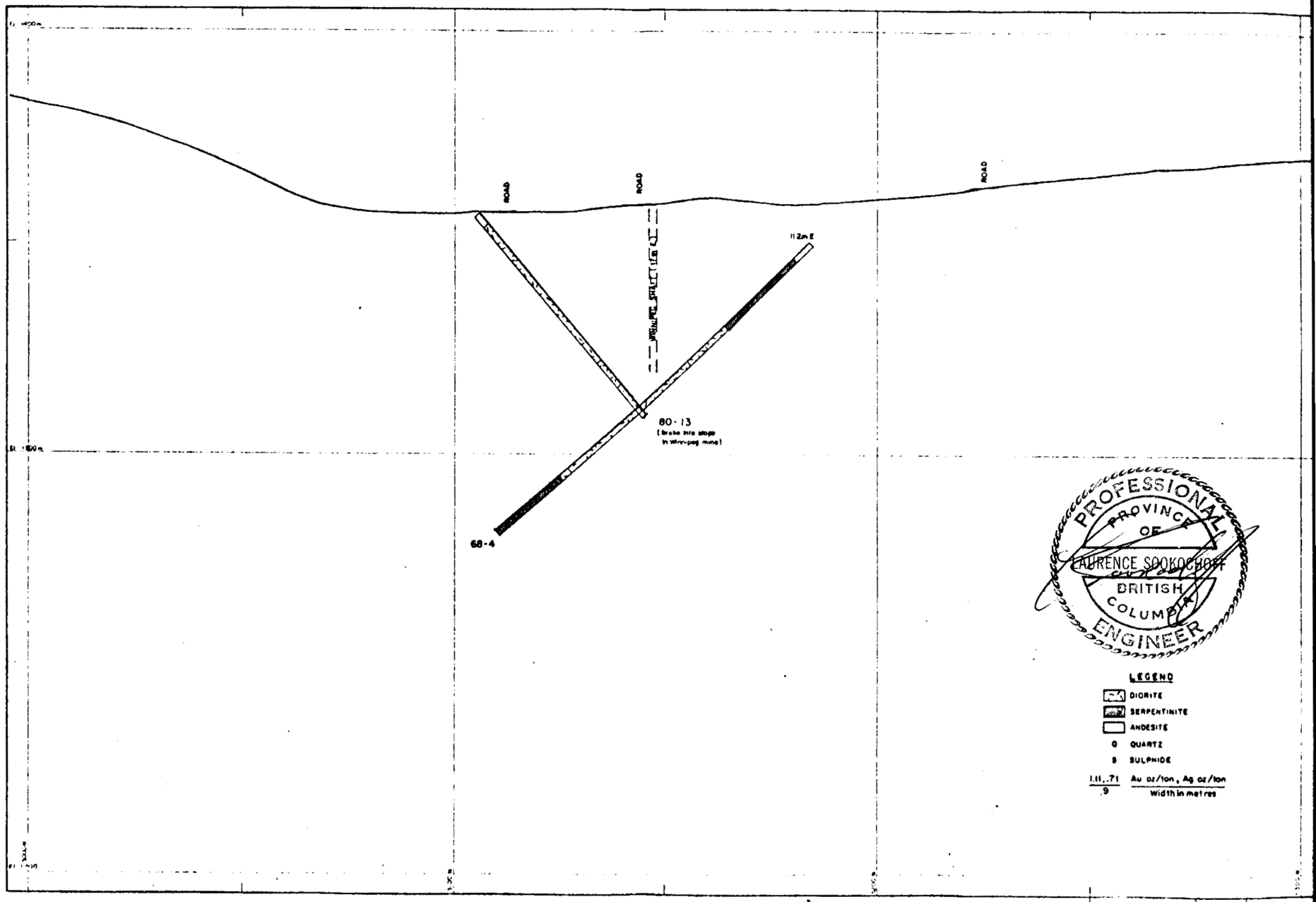
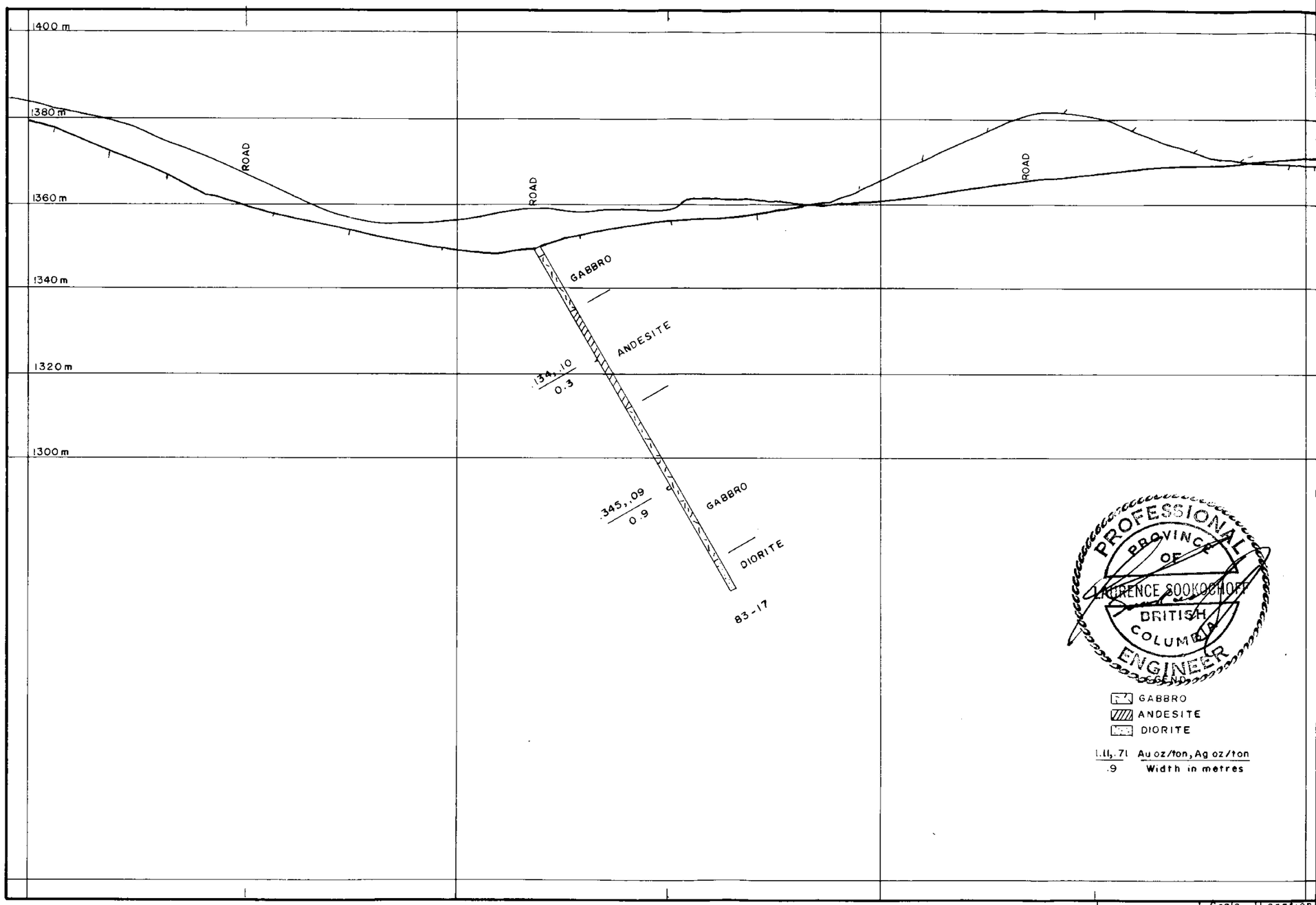

ROAD
ROAD
ROAD
112m E
80-13
(broke into stope in Winnipeg mine)
68-4
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
LAURENCE SOOKOCHOFF
LEGEND
DIORITE
SERPENTINITE
ANDESITE
Q QUARTZ
S SULPHIDE
1.11,.71 / .9 Au oz/ton, Ag oz/ton / Width in metres
SECTION
SCALE 1:1000
50+00 E

FIGURE 13



SECTION	Scale	Location
	1:1000	50+50E

FIGURE 14

PROPERTY Golden Crown

COMPANY Consolidated Boundary Exploration

LOGGED BY D. Runkle

HOLE NO. 83-1

BEARING 020°

DIP -47°

LENGTH 17.68m

LATITUDE 5120 N

DEPARTURE 4613 E

ELEVATION 1351 m

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width	Assays Au	Assays Ag	Assays Cu
0	- 6.10	68.5	fine grained xlline andesite, amphibole phenocrysts, altered to greenstone: feldspar, amphibole, epidote. ≥50% feldspar, < .01% dissem. py.	@ 7.5: 4cm width of 2mm dissem. py, 5%.							
4.27			10cm long brecciated vein? or contact? @ low angle to core. below is v. slightly coarser, sl. more felsic rock, w/ mottled texture-rounded feldspars w/ interstitial mafics. (as @ 7.32-9.60)								
4.57			very few mafics. plag., interstitial Kspar?. pale greenish-buff as @ 10.06-14.33? < 1% dissem. py. 1-2% darker gray irregular rounded grains of mafic or gray quartz. 8cm zone of rusty rock-same stuff, not crumbly, just rusty matrix.								
4.72	- 6.10		as at top, with slight variances; feldspar ± mafic porphyry, calcite specs, thin cc/qtz veinlets.								
6.10	- 7.32	85	light greenish-gray silicified tuff. v. fine grained. 1% white specs, 1% dark specs, ≤ 1% tiny dissem. py. specs get larger w/ depth to form 3cm wide mottled zone @ contact. lower contact is 10 cm along core @ low angle. thinly veined w/ greenish white material.								

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Assays Width	Assays Au	Assays Ag	Assays Cu
7.32	9.60	96.8	fine grained xlline diorite? andesite? feldspar >60% of rock as subhedral laths w/ interstitial chloritized mafics. 1% dissem. py, ≤ .1% dissem. po. py & po along hairline veinlets and in rare granular clots.								
9.60	10.06	100	hard, brittle, extremely fine grained med-dark gray (sl. purplish) silicified andesite? w/ v. fine garnets. 40% plag.								
10.06	14.33	96.1	as above, with addition of quartz intervals. brownish/greenish: skarnized.	10.36-14.33: mineralized along thin (1mm-1.5 cm) veinlets of po py cpy. veinlets generally monominerallic, but locally cpy rims po. 10.36: 15cm wide qtz≫po>cpy≫>py 13.87: 15cm qtz≫py>cpy≫>po 14.33: 8cm: qtz≫py>po≫cpy	062167 062168 062169 062170 062171 062172	10.36-10.52 10.52-11.13 11.13-11.89 11.89-13.87 13.87-14.02 14.02-14.33		.16 .61 .66 1.98 .15 .31	.016 .001 .001 .003 .008 .010	.20 .08 .04 .13 .50 .26	.25 .06 .02 .20 .90 .46
33	16.00	93	v. fine grained xlline? andesite, white cc specs (filling amygdules?) thin cc veinlets.								
16.00	17.68	98.1	fine grained xlline andesite, as at top of hole, altered to greenstone. plus 5% mafic phenocrysts. thin cc veinlets.								
17.68m			END OF HOLE								

PROPERTY GOLDEN CROWN | HOLE NO. 83-2 | LATITUDE 5400 N

COMPANY Consolidated Boundary Exploration | BEARING 010° | DEPARTURE 4620 E

LOGGED BY D. Runkle | DIP -45° | ELEVATION 1316 m

LENGTH 26.2 m/86'

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width (m)	Assays Au oz/t	Assays Ag oz/t	Assays Cu %
0	5.18	poor	fine grained greenstone, orig. siliceous andesitic tuff/lapilli tuff, w/ varying amounts of silica and local brecciation. thin calcite veinlets throughout, alone, and assoc. w/ sulfides. "siliceous" areas are buff/pink/green (skarn?) fine to medium grained	small amounts throughout - in thin veins, blobs and disseminated grains. predominantly pyrite, less pyrrhotite.							
5.18	8.53	83	siliceous, brecciated	rare pyrrhotite							
8.53	10.97	100	decreasing silica	rare pyrrhotite							
10.97	11.88	100	little silica		062194	10.97	12.5	1.52	.001	.01	.01
11.88	14.02	100	sl. increase in silica	13.1-14m: py≫po; ≤5% 14m: 8cm brecciated zone w/ po≫py.	062195	12.5	14.02	1.52	.001	.01	.03
14.02	17.07	100	spotty, brecciated lapilli tuff	14-15.54m: po≥py; ~7%	062196	14.02	14.32	.30	.001	.01	.04
					062197	14.32	15.54	1.22	.001	.05	.13
					062198	15.54	16.76	1.22	.001	.01	.01
					062199	16.76	17.07	.30	.001	.03	.17
17.07	18.29	100	v. fine grained, v. little brecciation, sl. siliceous		062200	17.07	18.29	1.22	.001	.01	.02
18.29	18.44	100		5cm: po≫≫ py; 60% sulfide vein, high ∠ to core.	062201	18.29	18.59	.30	.001	.01	.03

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width	Assays Au	Assays Ag	Assays Cu
18.44	20.12	100	brecciated, v. slightly siliceous		062202	18.59	20.12	1.52	.001	.01	.03
20.12	26.21	100	as general description of hole								
	end										

PROPERTY GOLDEN CROWN

COMPANY CONSOLIDATED BOUNDARY EXPLORATION

LOGGED BY D. RUNKLE

HOLE NO. 83-3

BEARING 010°

DIP -65°

LENGTH 28.96m/95'

LATITUDE 5400 N

DEPARTURE 4620 E

ELEVATION 1317 m

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width (m)	Assays Au oz/t	Assays Ag oz/t	Assays Cu %
3.05	15.54		siliceous grey-buff very fine grained tuff? patchy silica, brecciation.								
3.05	4.27		finely brecciated, fragments rounded.	<5% py; interstitial and as veinlets. no po.	56051	3.05	4.27	1.22	.001	.01	.07
4.27	4.57		unfractured, homogeneous fine grained gray tuff.	~2% dissem. py							
4.57	15.54		as at 3.05-15.54	2-5% py 5.33m: po splash (1cm²) 6.1m: po splash (1cm²) 9.45: 5cm brecciated, angular (2-3cm²)							
					56052	8.99	9.60	.61	.001	.02	.04
					56053	14.02	14.78	.76	.001	.01	.02
					56054	14.78	15.54	.76	.001	.01	.04
15.54	16.76		brecciated; rounded fragments.	5-10% py±po	56055	15.54	16.76	1.22	.001	.01	.09
16.76	17.68		as above, fragments more angular, spaces filled w/ v. coarse gr. calcite. lower contact 60° to core.		56056	16.76	17.68	.92	.001	.01	.04
17.68	21.95		as 3.05-15.54; less siliceous, less mineralization, less brecciation.								
21.95	22.86		brecciated	v. thin py veinlets. <5%	56057	21.95	22.86	.91	.001	.01	.04
22.86	23.01		12cm quartz vein; 60° to core	po splash	56058	22.86	23.01	.15	.003	.03	.08
23.01	23.77		as at 21.95-22.86	cpy splash	56059	23.01	23.77	.76	.003	.07	.22

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width	Assays Au	Assays Ag	Assays Cu
23.77	24.99		as at 3.05-15.54; no brecciation, increasing silica w/ depth	py; disseminated and fine veinlets	56060	23.77	24.99	1.22	.001	.01	.06
24.99	26.21		as above	5-10% py	56061	24.99	26.21	1.22	.002	.05	.13
26.21	28.96		gray-green fine grained tuff, locally brecciated.								
end											

PROPERTY GOLDEN CROWN | HOLE NO. 83-4 | LATITUDE 5374 N

COMPANY Consolidated Boundary Exploration Ltd. | BEARING 345° | DEPARTURE 4654 E

GGED BY D. Runkle | DIP -45° | ELEVATION 1329 m

LENGTH 37.8m/124'

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width	Assays Au	Assays Ag	Assays Cu
								m	oz/t	oz/t	%
0	6.25	52	gray-gray/green Anarchist tuff, coarse tuff, lapilli tuff. andesite. fragments rounded, irregular.								
6.25	8.53	100	v.f.gr. tuff. 0-3% rounded white fragments. m. gray. brecciated zone @ 7.32-7.62 m. fragments in place; interstices skarn min'ls, thin qtz-ca veinlets.	1% thin py veinlets							
8.53	11.73	100	lighter gray v.f.gr. tuff? locally brecciated, invaded by v. pale green material and thin qtz-ca veinlets. darkens gradually w/ depth.	1% thin py veinlets w/in brecciated zones.							
11.73	14.94	100	siliceous andesite? greenstone. v.f.gr. patchy buff & green.	11.73-12.50 m: 50% sulf. min. in veinlike zones ~45° to core, 2-12 cm thick. py ≥ po, w/ po rimming and interstitial to py.	56062	11.73	12.50	0.77	.003	.04	.11
				13.41-14.02 m: 2, 4 cm veins of massive py, brecciated, w/ interst. po.	56063	13.41	14.02	0.61	.002	.01	.14
14.94	17.07	100	as above, plus white "speckled" texture ≤50% (variable)								
17.07	17.53	100	green/buff siliceous zone, cut by 2 cm qtz-ca vein.								

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width	Assays Au	Assays Ag	Assays Cu
								m	oz/t	oz/t	%
17.53	19.51	100	gray green Anarchist greenstone tuff. v.f.gr. brecciated zones. 1% 2 mm white rounded fspar frags. gradational contact	small py splashes, thin py veinlets.							
19.51	21.64	100	becoming f.gr. has spotty texture of 14.94-17.07 and 0-6.25, w/ addition of messed up siliceous? skarn? brecciated areas.								
21.64	24.69	100	v.f.gr. no speckles. patchy green, buff/pink. siliceous. qtz-ca veinlets.	$\leq$2% small py/po splashes.	56064	23.16	24.69	1.53	.001	.01	.08
24.69	25.60	100		massive sulfide, qtz & ca. py $\ggg$ po$\geq$cpy. 90% sulf, 60° to core. py/cpy at top, all 3 in center, cpy/po at bottom.	56065	24.69	25.60	0.91	.122	2.94	6.45
25.60	26.06	100	f. lapilli tuff. pale pink/buff/ white w/ dark and light fragments. could be larger agglom. in tuff matrix.		56066	25.60	26.52	0.92	.001	.01	.08
26.06	28.65	100	med. gray andesitic tuff/greenstone. obvious fragments, 1-2%, 2-3 mm.	1-2% dissem. py.							
28.65	31.39	100	as above, w/ large v.f.gr. siliceous areas, heavily fractured.	thin fractures filled w/ py.	56067	28.65	29.72	1.07	.001	.01	.04
31.39	32.46	100	med.-dk. gray coarse tuff & f. lapillistone w/ dk. & lt. frag. grading w/ depth to tuff w/ 2-3% rounded white fragments.	$\leq$1% py splash							
32.46	33.22	100	as above, plus skarn min'ls.	veinlets of py & po	56068	32.46	33.22	0.76	.001	.01	.10
33.22	37.80	100	gray andesite tuff, coarse tuff.								
END											

PROPERTY Golden Crown

COMPANY S.J.Resources-Consolidated Boundary

LOGGED BY D.Runkle

HOLE NO. 83-5

BEARING 345

DIP -65

LENGTH 35.9 m

LATITUDE 5374 N

DEPARTURE 4654 E

ELEVATION 1329 m

From	To	Recovery %	Description	Mineralization	Sample Number	Sample From	Sample To	Sample Width	Assays Au	Assays Ag	Assays Cu
0	27.7		entire hole is in Anarchist rocks w/ variations in texture comp & miner'n. predominantly gray-green f.g. cherty tuff andesitic - cut by tiny qtz-cal veinlets; patched of greenish white alteration - local splashes & thin veins of py/po mineralization 11-12.2 high concentration of veins & alteration (brecciation) no visible min'n,minor py 13.4-16.4 patchy greenish @ 45 -5cm 17.5-24.4 3% py/po sl. coarser,gashed,tuff 17.5-17.8 qtz-py vein								
27.7	31.7		highly siliceous, buff/pink 30.7-30.9 massive sulphide po py cpy 104-104.5 coarse calcite vein			30.7-30.9		0.2	.003	.87	2.01
31.7	35.9		volcanics as above								

DIAMOND DRILL RECORD

CLAIM NO. ~~Hard Cash~~ PROPERTY Golden Crown HOLE NO. 83-6

LATITUDE 48+68 N ELEVATION 1385.5 BEARING 043 DEPTH 29.3 STARTED Oct 24,1983 COMPLETED Oct 24,1933

DEPARTURE 45+00 E SECTION 45+00 E DIP -45 DRILLED BY Bergeron Drilling LOGGED BY L.Sookochoff

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
0-1.7	Casing							
1.7-29.3	Andesite: Greenish- gray,silicified,f.g.-aphanitic,lt.calcite							
	veining							
	18.7-19.3 massive sulphide zone @ 40. 5 cm. qtz.							
	on h.w. Qtz & sulphide 17 cm.	26300	18.7	19.3	0.6	-	.04	.03
	23.5-24.7 breccis w/ lt. diss. sulphides in							
	matrix,sub ang. frags ,ltly fr'd.							
	rhy.porph. frags ingrn. f.g. and.matrix							
	29.3 End of hole							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. Hard Cash

DIAMOND DRILL RECORD

PROPERTY Golden Crown HOLE NO. 83-7

LATITUDE 48+68 N ELEVATION 1385.5 BEARING 028 DEPTH 26.4 STARTED Oct.24,1983 COMPLETED Oct.25,1983

DEPARTURE 45+00 E SECTION 45+00 E DIP -45 DRILLED BY Bergeron Drilliing LOGGED BY L.Sookochoff P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
0-1.5	Casing							
1.5-26.4	Andesite: Greenish-gray,meta,silicified,locally porphyritic							
	local random calcite stringers							
	17.5-19.0 local massive sulphide @ 35 up to 2 cm.	26299	17.5	19.0	1.5	-	.04	.031
	wide							
	26.4 End of hole							

DIAMOND DRILL RECORD

CLAIM NO. Hard Cash | PROPERTY Golden Crown | HOLE NO. 83-8

LATITUDE 48+68 N | ELEVATION 1385.5 | BEARING 008 | DEPTH 26.5 | STARTED Oct.25,1983 | COMPLETED October 26,1983

DEPARTURE 45+00 E | SECTION 45+00 E | DIP -45 | DRILLED BY Consolidated Boundary | LOGGED BY L.Sookochoff P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
0-1.8	Casing							
1.8-17.7	Andesite: Greenish-gray,meta,silicified,locally porphyritic							
	17.4-17.7 qtz + massive sulphide @ 45	26298	17.4-	18.1	0.7	-	.18	.004
17.7-18.1	Chert: Lt brown w/ frags							
18.1-26.5	Andesite: as above							
	26.5 End of hole							

WESTERN MINER PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. Winnipeg

DIAMOND DRILL RECORD

PROPERTY Golden Crown HOLE NO. 83-9

LATITUDE 50+70 N ELEVATION 1367 BEARING 071 DEPTH 32.3 STARTED Oct. 27, 1983 COMPLETED Oct 27, 1983

DEPARTURE 48+52 E SECTION 48+50 E DIP -45 DRILLED BY Consolidated Boundary LOGGED BY L. Sookochoff P.Eng

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
0-2.1	Casing					
2.1-25.1	Andesite: Greenish-gray,meta,silicified,lt.cal.veining-random					
	9.6 qtz.str. + lim @ 45					
	15 4 cm qtz @ 40					
	24.5-25.1 qtz + massive sulphide @ 60					
25.1-32.3	Dacite: Lt gray,porphyritic w/diss py & splashes on fr.					
	29.5 2.5 cm massive sulphide					
	32.3 End of hole					

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. Calumet PROPERTY Golden Crown HOLE NO. 83-10

LATITUDE 49+90 N ELEVATION 1331 BEARING 228 DEPTH 23.8 STARTED Oct.27,1983 COMPLETED October 30,1983

DEPARTURE 52+10 E SECTION 52+00 E DIP -45 DRILLED BY Bergeron Drilling LOGGED BY L.Sookochoff P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.	Ni.
0-1.8	Casing								
1.8-5.3	Andite: Greenstone,f.g. aphanitic,silicified,contact @ 40	26291	5.1	5.5	0.4	-	.06	.006	.03
5.3-8.2	Massive sulphide zone w/ local serpentine 15 cm @ 7 & 7.3	26289	5.5	7.0	1.5	-	.04	.006	.31
	8.2-8.5 contact zone @ 60	26290	7.0	8.4	1.4	-	.06	.052	.27
8.2-23.8	Serpentine: Green-lt to dk lt'er on fr. w/ alt'n	26292	8.4	8.9	0.5	-	.01	.001	.21
		26294	13.1	13.4	0.3	-	.08	.050	-
	23.8 End of hole								

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. Calumet

DIAMOND DRILL RECORD

PROPERTY Golden Crown HOLE NO. 83-11

LATITUDE 49+92 N ELEVATION 1329 BEARING 223 DEPTH 28.3 STARTED Oct.30,1983 COMPLETED Oct.30,1983

DEPARTURE 52+26 E SECTION 52+00 E DIP -45 DRILLED BY Bergeron Drilling LOGGED BY L.Sookochoff P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
						Cu.	Ag.	Au.	

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. Calumet

DIAMOND DRILL RECORD

PROPERTY Golden Crown HOLE NO. 83-12

LATITUDE 49+75 N ELEVATION 1333 BEARING 046 DEPTH 23.8 STARTED Nov. 2, 1983 COMPLETED Nov. 3, 1983

DEPARTURE 52+09 E SECTION 52+00 E DIP -60 DRILLED BY Bergeron Drilling LOGGED BY L. Sookochoff P. Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu	Ag	Au
0-1.8	Casing							
1.8-5.2	Andesite: Meta, greenish-gray, silicified							
5.2-6.5	Massive sulphide zone- 100% po.cont @ 75							
6.5-7.6	Andesite							
7.6-23.8	Serpentine: Green, lt to dk variable	82509	5.2	6.5	1.3	.28	.05	.018
	23.8 End of hole							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. Calumet | PROPERTY Golden Crown | HOLE NO. 83-14

LATITUDE 49+92 N | ELEVATION 1332 | BEARING 271 | DEPTH 18 | STARTED Nov.5,1983 | COMPLETED Nov.5,1983

DEPARTURE 53+10 E | SECTION 52+00 E | DIP -45 | DRILLED BY Bergeron Drilling | LOGGED BY L.Sookochoff P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.	
0-1.5	Casing								
1.5-7.6	Andesite: meta,silicified,w/ local qtz v.l.								
7.6-10.5	Massive sulphide zone - 95% po. contact @ 40								
10.5-18	Serpentine: Green-dk to lt soft mod. sheared	82508	7.2	9.7	2.5	.29	.03	.058	
	18 End of hole								

CLAIM NO. Golden Crown

DIAMOND DRILL RECORD

PROPERTY Golden Crown HOLE NO. 83-15

LATITUDE 52+00 N ELEVATION 1336 BEARING 028 DEPTH 20.7 STARTED Nov.5,1983 COMPLETED Nov.7,1983

DEPARTURE 46+74 E SECTION 46+50 E DIP -45 DRILLED BY Bergeron Drilling LOGGED BY L.Sookochoff P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu	Ag.	Au.
0-1.5	Casing							
1.5-16.7	Andesite: greenish-gray,f.g. locally dioritic 12.2-12.5 qtz.	82507	12.2	12.5	0.3	.03	.01	.002
16.7-20.7	Serpentine: lt.to dk.green, variably altered							
	20.7 End of hole							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. Golden Crown

DIAMOND DRILL RECORD

PROPERTY Golden Crown HOLE NO. 83-16

LATITUDE 52+00 N ELEVATION 1336 BEARING 028 DEPTH 72.2 STARTED Dec. 8, 1983 COMPLETED Dec. 10, 1983

DEPARTURE 46+74 E SECTION 46+50 E DIP -70 DRILLED BY Bergeron Drilling LOGGED BY L. Sookochoff P. Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
0-7	Casing							
7-72.2	Andesite: meta, tuffaceous, green w/ occ diss. py.							
	28.2-28.5 po w/ patches cpy on h.w.	82506	28.2	28.6	0.4	1.68	.75	.456
	28.5-42 carbonated w/ local diss py less 42+							
	54.1 2.5 cm cpy @ 40							
	56.9-63.1 patches & diss py							
	67.6 mas. sul. str. @ 60							
	68.3 mod py in black chl. zone							
	70.7-72.2 dacitic f.g. carb. flooded lt. py on slick. & diss.							
	72.2 End of hole							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. Winnipeg PROPERTY Golden Crown HOLE NO. 83-17

LATITUDE 50+54 N ELEVATION 1350 BEARING 028 DEPTH 93.5 STARTED Dec.10,1983 COMPLETED Dec.13,1983

DEPARTURE 51+08 E SECTION 50+50 E DIP -60 DRILLED BY Bergeron Drilling LOGGED BY L.Sookochoff P.Eng

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
0-1.5	Casing							
1.5-16.6	Gabbro: Coarse grained,allot.tex.contact 50 occ. qtz v.l.							
16.6-43.5	Andesite: Meta, greenish gray to black alt'd zones,aphanitic							
	f.g.occ. qtz str @ 45							
	29.8 18cm mass.sulphide. po w/ blebs qtz-carb	82504	29.9	30.2	0.3	.35	.10	.134
	contact @ 10 & 55 no alt'n on contact							
	30.1 speckled m.v. f.g. gabbroic tex. aphanitic							
	matrix, dioritic sections							
	64.9 .84 meters po. @ 45 black chl,lim,slick,w/	82505	64.0	64.9	0.9	.24	.09	.345
	py on fr faces for 10 cm on h.w.& f.w.							
	74.3 10 cm qtz & mass.sulphides @ 45 bl.slick.							
	79.7 20% sulphides 18cm							
85-93.5	Diorite: Meta vol. & diorite,sil'd,carb'd,w/ random str.qtz.							
	carb., loc'd black chl.w/ loc diss sulphides							
	93.5 End of hole							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

DIAMOND DRILL RECORD

CLAIM NO. Golden Crown | PROPERTY Golden Crown | HOLE NO. 83-18

LATITUDE 51+61 N | ELEVATION 1361 | BEARING 011 | DEPTH 130.1 | STARTED Dec. 13,1983 | COMPLETED Dec. 17,1983

DEPARTURE 48+01 E | SECTION 48+00 | DIP -65 | DRILLED BY Bergeron Drilling | LOGGED BY L.Sookochoff P.Eng

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
0-3.3	Casing							
3.3-90.5	Andesite - dacite: greenish gray,aphanitic,hard,occ f.g.py							
	limonite,hematite,variably silicified, locally							
	dacitic							
	17.7-24 lt py mod lim on fractures							
	39-40.8 porph dacite,cal veining & lt pockets sulph							
	flow contact @ 60							
	41.4 rhyodacite w/ 1 cm qtz & sulph @ 35							
	47.5 1 cm py & qtz @ 15							
	54.8-55.1 schistose,py,dacite							
	60.6-62.0 diss py in porphyrite	89045	60.6	62.0	1.4	-	-	.005
	62.0-63.4 dacite- broken,cal flooded	89046	62.0	63.4	1.4	-	-	.005
	63.4-64.0 qtz & 35% po w/ Cpy patches @ 45 & 25	89047	63.4	64.1	0.7	2.32	1.84	.424
	65.2-65.6 15% mass sulph & sil'd	89048	64.1	65.2	1.1	2.44	2.41	.392
90.5-108.8	Serpentine: dark to lt green, loc calcite & talc	89049	65.2	65.6	0.4	7.30	3.08	.138
	92.3 qtz @ 50	89050	65.6	66.8	1.2	-	-	.016
	105.2 rounded po frags in serp	23111	66.8	68.3	1.5	-	-	.003
108.8-	Dacite: lt gray,porphyritic w/ py & po 10% on fr & diss,slick.							
130.1	111-111.5 70% mass sulph,po w/cpy on fr & blebs	23112	108.8	110.2	1.4	-	-	.003
	contact @ 40							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

CLAIM NO. ..... **DIAMOND DRILL RECORD** PROPERTY ..... HOLE NO. 83-18 2/2

LATITUDE ..... ELEVATION ..... BEARING ..... DEPTH ..... STARTED ..... COMPLETED .....

DEPARTURE ..... SECTION ..... DIP ..... DRILLED BY ..... LOGGED BY .....

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS Cu.	Ag.	Au.
	111.5-112.3 15% massive sulphide 40% quartz	23113	110.2	111.0	1.2	-	-	.005
	112.3-113.6 andesite porph f.g. w/ po % py on fr,diss,	23114	111.0	111.5	0.5	5.27	2.67	1.366
	& v.l.	23115	111.5	112.3	0.8	2.52	.98	.220
	113.6 + f.g. carbonated hard w/ occ po & py &	23116	112.3	113.7	1.4	.07	.06	.05
	black chlorite on slickensides							
	130.1 End of hole							

WESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

JOE – JOE

SISSY

GOLDEN CROWN

NABOB

HARD CASH

WINNIPEG

CALUMET

WINNIPEG FR

WARCLOUD

HECLA

PROPERTY BOUNDARY

POWER LINE

ROAD

TELEPHONE LINE

Original Golden Crown workings

GOLDEN CROWN UNDERGROUND

MacArthur Shaft

winnipeg Shaft

Serpentine

Andesite

Near continuous outcrop border facies of diorite

qtz. calcite zone in andesite, mod. rusty, no visible mineralization.

LEGEND

- DIORITE
- SERPENTINITE
- ANDESITE
- GEOLOGICAL CONTACTS
- 1983 DRILL HOLES

0 500 FEET
0 150 METRES

Contour interval 20 feet

118°35' W

N 49° 05'

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,131

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
LAURENCE SOOKOCHOFF

SOOKOCHOFF CONSULTANTS INC.

S.J. RESOURCES LTD. - BOUNDARY EXPLORATIONS

GOLDEN CROWN PROPERTY

INDEX & CLAIM MAP

GREENWOOD M.D., B.C.

SCALE 1 : 2500	Mar. 1984	FIG. 2