

11/86

1985 DIAMOND DRILL

and

COMPILATION REPORT

for

CONSOLIDATED BOUNDARY EXPLORATIONS LTD.

on the

GEOLOGICAL BRANCH
CROWN CLAIM GROUP
ASSESSMENT REPORT

14,641

Greenwood M. N. T. S. 82E/2E

49°05'

118°34'

January 9, 1986
Vancouver, B.C.

L. Sookochoff, P.Eng.
Consulting Geologist

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Diamond Drilling Report
on a
1985 Exploration Program
on the
Crown Property
for
Consolidated Boundary Exploration Ltd.

INTRODUCTION

During September 1985, a diamond drill program was completed on the Crown Property of Consolidated Boundary Exploration Ltd. The drilling was carried out on the "Northwest Zone", an area of some old workings and recently determined geochemical anomalies. The working expose a highly pyritic greenstone zone from which encouraging gold assays were obtained. In addition a 1983 soil geochemistry program over the Northwest Zone disclosed localized gold anomalies.

Information for this report was obtained from work the writer has supervised on the Crown and adjacent Golden Crown Properties and from sources as cited under references.

For more detailed information on past years exploration, the reader is referred to 1980 and 1983 reports by the writer on the the property.

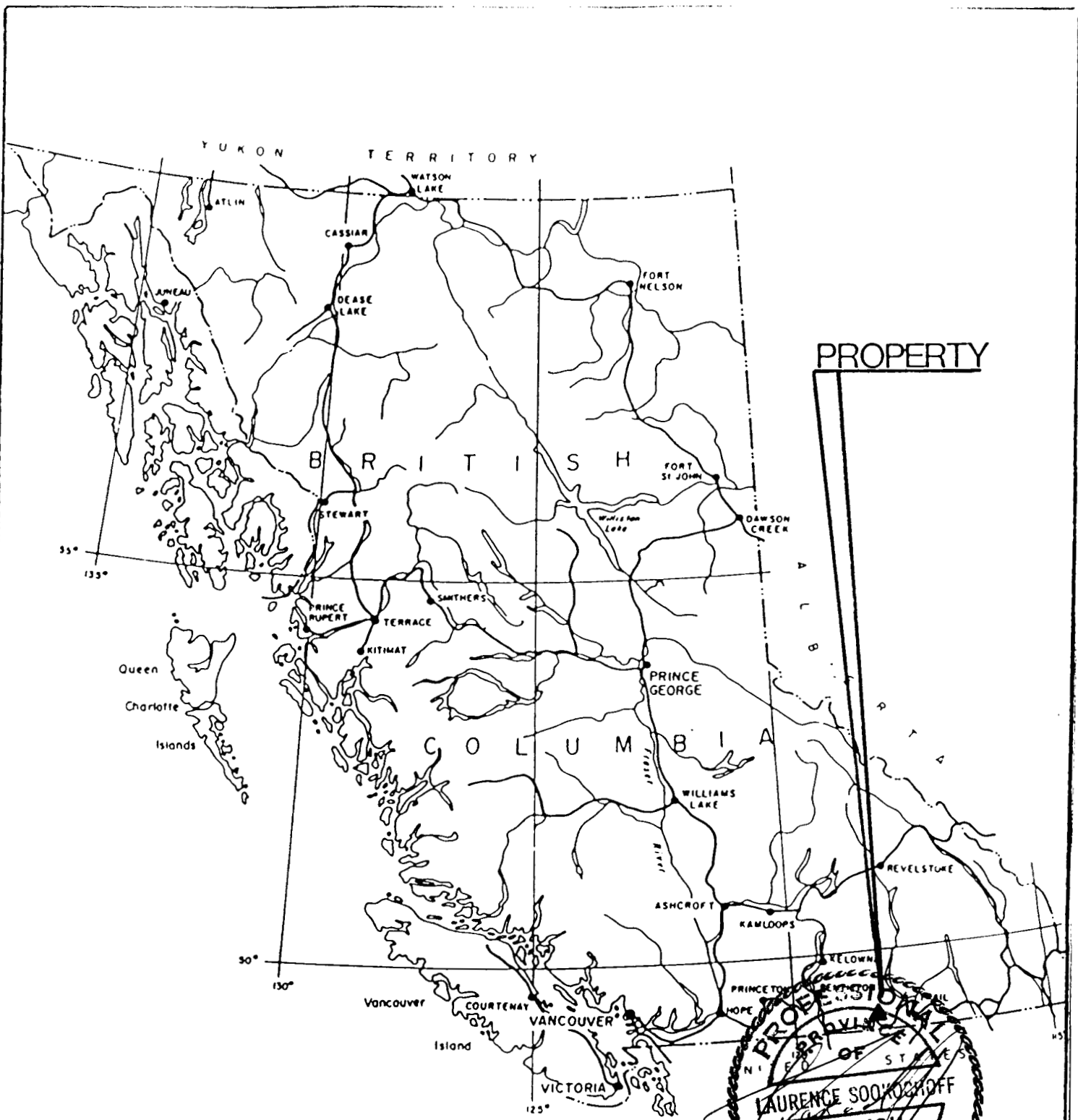
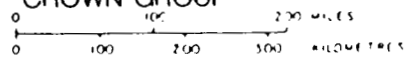


FIGURE 1

SOOKOCHOFF CONSULTANTS INC.

**CONSOLIDATED BOUNDARY
EXPLORATION LTD.
PROPERTY LOCATION MAP
CROWN GROUP**



N T S 82E/2E

GREENWOOD M D

DRAWN

PROJECT

DATE

FIG

Jan. 1986

1

PROPERTY

The property is comprised of contiguously located claims six of which are reverted crown grants and one is a six unit block. Particulars are as follows:

<u>Claim Name</u>	<u>Lot No.</u>	<u>Record No.</u>	<u>Expiry Date*</u>
Willie Fr.		2014	January 30, 1990
Crown Fr.		2027	February 6, 1990
Murray Fr.	718 S	1985	January 28, 1991
Silver Star	1550	1926	December 21, 1991
J & R Fr.	1059	1865	November 8, 1991
Hartford	1057	1927	December 21, 1990
Hartford Fr.	1061	1928	December 21, 1990
Crown 1-8		1986-93	January 28, 1990
Crown 9-16		2015-22	February 6, 1990
Crown 17-19		2202-04	May 28, 1990
Nellie Cotton	1460	2173	May 13, 1990
Hip Fraction		2199	May 28, 1990
Star Fr.		2201	May 28, 1990
Golden Crown Fr.		2200	May 28, 1990
Knob 1-8			November, 1990
Mikro	6 units		November, 1990

* On the approval of the assessment work for which this report forms a part thereof.

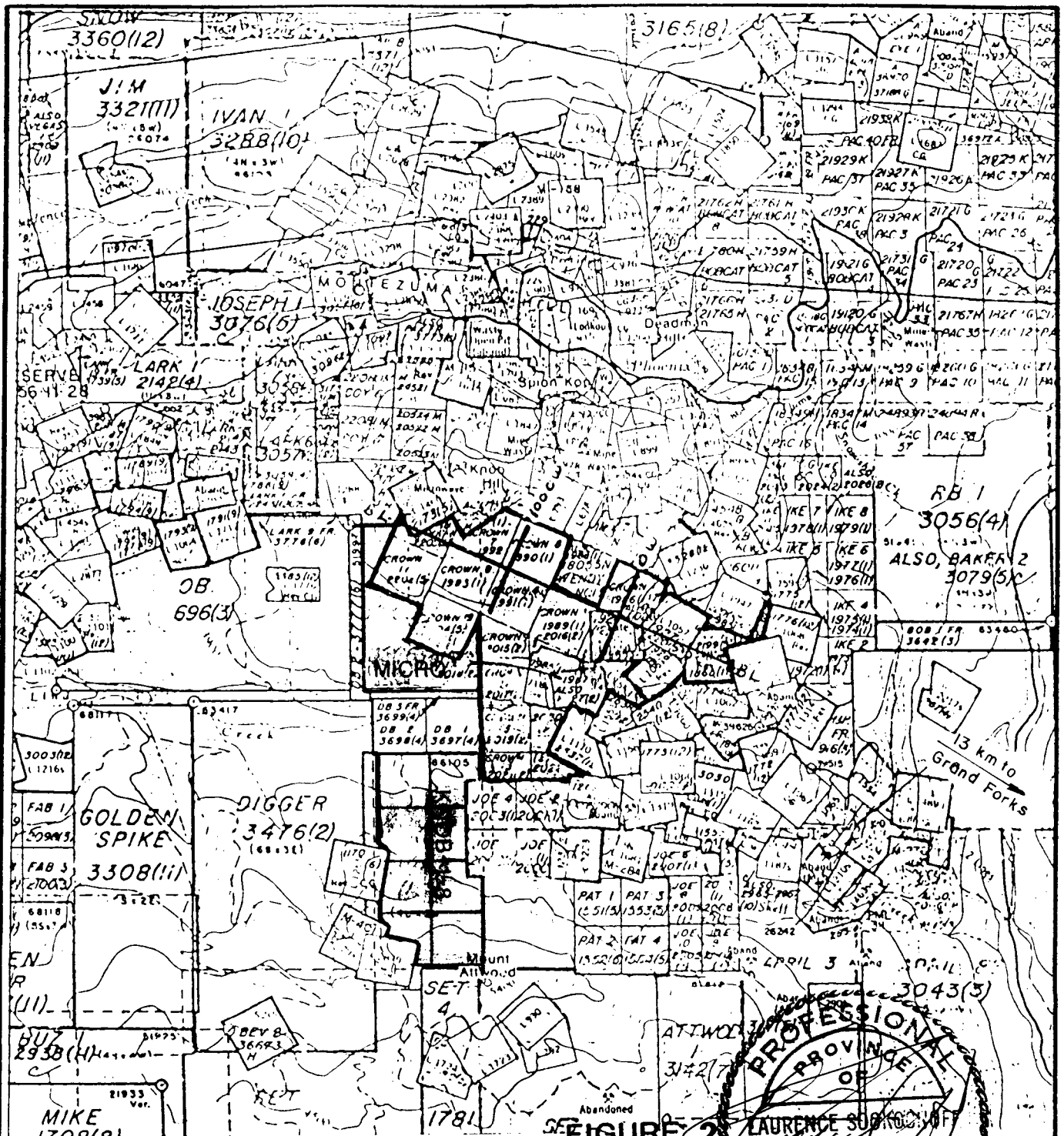


FIGURE 2
 BRITISH SOOKOCHOFF CONSULTANTS INC.
CONSOLIDATED BOUNDARY EXPLORATION LTD.
 CROWN GROUP
 N T S 82E/2E GREENWOOD M D
INDEX & CLAIM MAP
 Scale 1:50,000 January 1986

LOCATION AND ACCESS

The property is located 13 km northwest of Grand Forks and within four km of Phoenix in the southern interior of British Columbia. Access is west from Grand Forks via the No. 3 Highway for 16 km to the Phoenix junction. At Hartford junction and near the Phoenix Mine tailings the Hartford road leads to a secondary road branching off to the west. The property is within three km of the junction.

PHYSIOGRAPHY

The property is situated on the southern slope of Knob Hill which is at an elevation of 1,500 meters. The ground covered by the claim group is of moderate to shallow slopes with elevations of up to 1,525 m and a relief of 215 m.

WATER AND POWER

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

A power transmission line and a telephone line pass through the property.

HISTORY

The history of the immediate area dates back to 1891 when large low grade copper deposits were discovered near Phoenix. In 1913 production from the Phoenix area peaked with a virtual shut down on the mines and smelters in 1919. During this period a number of quartz hosted gold-silver deposits were developed not only for the contained precious metal value, but for the silica which was a prime smelter requirement.

On the adjacent property, the Winnipeg claim was reported to be the largest gold mine in the Greenwood area producing some 59,000 tons during the period 1900 to 1912. The production was more than all the other gold mines combined in this area. In addition to the extensive development on the Winnipeg claim, similar scale developments with lesser production were made from the adjoining Golden Crown claim.

On the CROWN GROUP of claims, information is sketchy however a 1901 report states that development work comprised of "250 feet of sinking and 150 feet of cross-cutting and drifting on the Hartford were carried out". During the same period "75 feet of shafting and crosscutting" on the J & R claim were reported.

Granby reportedly carried out limited diamond drilling on the present Crown claim group.

In 1980 two diamond drill holes were completed on the J & R Fr. claim (Southeast Zone) for a total of 120 meters (Sookochoff, 1980).

In 1981 Argenta Resources held the property under option and completed a geophysical survey and four diamond drill holes for 300 meters on the J & R Fraction of the Southeast Zone (Sookochoff, 1981).

In 1983 geochemical surveys, trenching and geological mapping were carried out over four areas of the CROWN Property.

In 1984 a diamond drill program was carried out on the Southeast Zone. Twelve holes were completed.

REGIONAL GEOLOGY

In the Greenwood-Phoenix area the oldest rocks of Carboniferous sedimentary strata in association with volcanic flows are intruded by mafic rich and larger felsic igneous bodies. The sedimentary strata include a limestone sequence designated as the Brooklyn Formation and which is host to the Phoenix copper replacement and high grade skarn deposits of the area.

On the adjacent Winnipeg-Golden Crown property a major northwesterly trending fault structure is a prime control to at least seven known and/or developed gold-silver-copper veins. Cross structures are a factor in determining vein continuity with reported faults which offset some veins. Veins are also cut by post-mineral dykes.

An example of vein continuity is indicated within the Golden Crown workings where a continuous vein is exposed for some 80 meters horizontally with an indicated 100 meter vertical projection. There is no information on the continuity or extent of the Winnipeg vein structure.

Mineralization is primarily of pyrrhotite and chalcopyrite with gold and silver values within a veined quartz matrix. Veins, as exposed in numerous pits, trenches and within the Golden Crown workings, are commonly comprised of massive sulphide constituents. Wall rock adjacent to the main vein may be mineralized. Moderate sulphide content with gold-silver-copper values also occurs in localized areas without a definite vein structure.

The Golden Crown vein occurs predominantly within metavolcanics with associated serpentine adjacent to the hanging wall.

The major northwesterly trending fault structure which hosts the gold-silver-copper bearing veins on the adjoining property is projected to extend to the Crown Group.

PROPERTY GEOLOGY AND MINERALIZATION

On the Crown Property outcroppings of andesites and latite with mafic and dioritic plugs are indicated.

A vein on the Hartford claim of the Crown Group was explored by "200 feet of sinking and drifting". On the J & R claim there are "75 feet of shafting and cross-cutting and a body of 4 feet of ore has been developed for 47 feet".

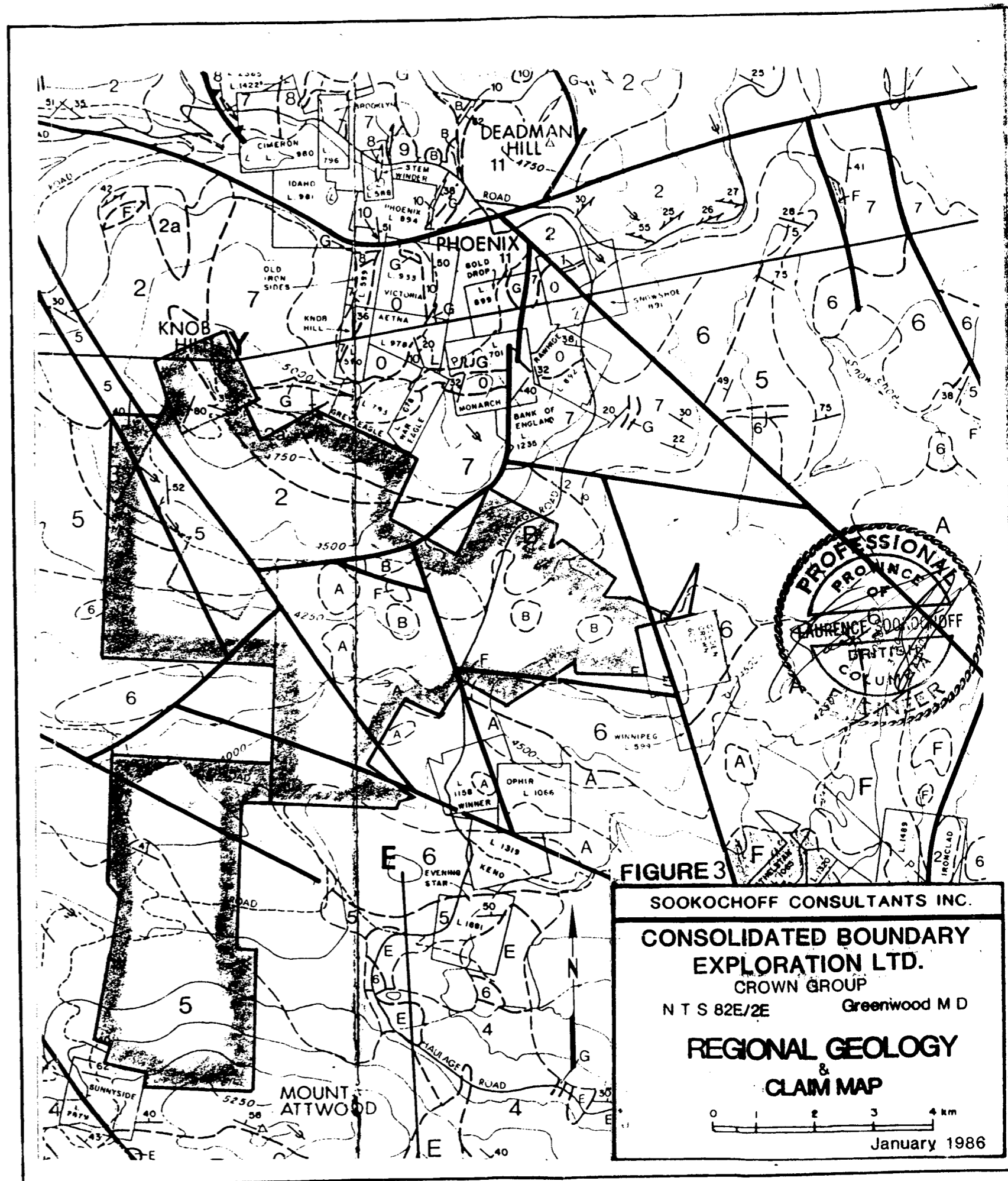


FIGURE 3

SOOKOCHOFF CONSULTANTS INC.
**CONSOLIDATED BOUNDARY
 EXPLORATION LTD.**
 CROWN GROUP
 N T S 82E/2E Greenwood M D

**REGIONAL GEOLOGY
 &
 CLAIM MAP**

0 1 2 3 4 km
 January 1986

LEGEND

BEDDED ROCKS

TERTIARY

PENTICTON GROUP

- 13 MARRON FORMATION
PARK HILL MEMBER: BROWN MICROCRYSTALLINE ANDESITE, MICRODIORITE
- 12 NIMPIT LAKE MEMBER: TAN TRACHYTE, PULASKITE SILLS AND DYKES
- 11 YELLOW LAKE MEMBER: PURPLE MAFIC PHONOLITE, MONZODIORITE SILLS
- 10 KETTLE RIVER FORMATION: MOSTLY ARKOSIC SANDSTONE, SOME CONGLOMERATES, AND MINOR RHYOLITE TUFF; (10a) SPRINGBROOK FORMATION

TRIASSIC

BROOKLYN GROUP

- 9 EHOLT FORMATION MOSTLY MAROON AND GREEN VOLCANICLASTICS
- 8 LIMESTONE AND INTERCALATED ARGILLITE 0 SKARN
- 7 SHARPSTONE CONGLOMERATE, INTERCALATED SANDSTONE, AND SHALE

PERMO-CARBONIFEROUS

ATTWOOD GROUP

- 6 METAVOLCANICS, MOSTLY GREENSTONES (METAMORPHOSED BASALTS AND ANDESITES)
- 5/4 BLACK SHALE, GREYWACKE/LIMESTONE
- 3 SHARPSTONE CONGLOMERATE, CHERT BRECCIA, AND SANDSTONE

BASEMENT COMPLEX

KNOB HILL GROUP

- 2/2a (2) METACHERT AND MICA SCHIST; (2a) AMPHIBOLITIC SCHIST AND GNEISS
1 (1) MARBLE

IGNEOUS INTRUSIONS

TERTIARY

- H CORYELL FORMATION: SYENITE, MONZONITE, AND SHONKINITE
- G DIORITE, MONZODIORITE, PULASKITE

CRETACEOUS

- F ULTRAMAFICS, SERPENTINE, LISTWANITE
- E GRANODIORITE
- D GABBRO
- C QUARTZ FELDSPAR PORPHYRY

TRIASSIC

- B MICRODIORITE
- A OLD DIORITE

SYMBOLS

- GEOLOGICAL BOUNDARY
- BEDROCK EXPOSURE
- BEDDING, SCHISTOSITY
- FAULT
- GLACIAL STRIAE
- FOSSIL LOCALITY
- LINE OF CROSS-SECTION A — B
- TOPOGRAPHIC CONTOUR (INTERVAL, 260 FEET)
- POLE LINE, POWER LINE, PIPE LINE
- HIGHWAY, SECONDARY AND COUNTRY ROAD

A geological survey of the property was carried out by D. Runkle, M.Sc. in 1983. Runkle describes the geology of the property as follows:

"Using the grid lines as a base, geological mapping has been completed on all lines between the baseline and the road. Only the barest framework of a stratigraphy has been worked out with this amount of mapping. Structural trends conform to the 120° trends found in nearby areas. In the area mapped to date, the rocks are primarily felsic fine grained and lapilli tuff, and cherty tuff. A prominent silica horizon appears to cap the tuff sequence; perhaps an exhalite cap. This rock contains sulfide mineralization in at least on location, but is otherwise barren. Above this, rocks are fine to medium grained crystalline andesite.

A random magnetometer survey has revealed an anomalous area within a large serpentine, talc-serpentine body on line 500W, south of the road. The serpentinite is approximately 50m by 150m. The anomaly has been trenched and sampled. At the surface, there is no visible difference in the rock across the anomaly. To further test the anomaly, detailed and systematic magnetometer and E.M. surveys are recommended, with subsequent drilling, if warranted by the geophysics.

The "central zone" of sulfide mineralization has been trenched to determine its extent, if any. The trench contains a complex of coarse and very fine grained tuffs, with minor sheared serpentinite. Three quartz veins cut across the tuffs; two at the regional 120° trend. One, 10 cm thick, is asymmetric, with serpentine interlayered on the north, and barren of sulfide mineralization.

The other, 2 cm thick, has a .5 cm layer of 2mm pyrite granules in the center. The style of mineralization is similar to that found in the adjacent pit, but not as massive. The "central zone" appears at this point, to be very localized. It has not been shown to extend, either by trenching or magnetometer survey".

PREVIOUS EXPLORATION BY CONSOLIDATED BOUNDARY EXPLORATION ON THE CROWN GROUP

The exploration areas and results are indicate on accompanying Figure 5.

DIAMOND DRILLING - 1980

Particulars

<u>Hole No.</u>	<u>Location</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Length</u> (meters)
JR-80-1	4+75E 0+05N	203°	-45°	55
JR-80-2	4+85E 0+81N	023°	-45°	65

Results

<u>Hole No.</u>	<u>Interval</u> (ft.)	<u>Width</u> (ft.)	<u>Assay</u>		
			<u>%Cu</u>	<u>oz Ag/ton</u>	<u>oz Au/ton</u>
JR-80-1	104.0-104.2	0.2	-	.12	.018
JR-80-2	152.6-154.6	2.0	.065	.32	.018
	159.0-160.6	1.6	1.0	.50	.04

GEOPHYSICAL - 1981 (Southeast Zone)

A VLF-EM and magnetometer survey was completed by S. Presunka on a localized area of the southeast zone. The survey was very successful in delineating northwest trending VLF-EM and magnetometer anomalies. These anomalies were tested in part by the 1981 diamond drill which resulted in intersections of gold bearing massive sulfide zones correlating with the EM-Mag anomalies.

DIAMOND DRILLING - 1981

Particulars

<u>Hole No.</u>	<u>Location</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Length</u> (meters)
81-1	5+00E 1+70N	240°	-60°	85.3
81-2	5+00E 1+70N	240°	-45°	39.6
81-3	5+59E 1+72N	240°	-45°	60.3
81-4	4+50E 0+80N	040°	-45°	118.9

Results

<u>Hole No.</u>	<u>Interval</u> (ft.)	<u>Width</u> (ft.)	<u>Assay</u>		
			<u>%Cu</u>	<u>oz Ag/ton</u>	<u>oz Au/ton</u>
81-1	126.5-131.5	5.0	.76	.18	.02
81-2	106.0-107.5	1.5	1.85	.52	.338
	107.5-110.0	2.5	2.75	.78	.074
81-3	34.0- 35.5	1.5	2.65	.70	.176
	187.0-188.0	1.0	4.25	2.28	.221
81-4	322.0-326.5	4.5	.40	.10	.004

GEOLOGICAL AND GEOCHEMICAL - 1983

(Northwest Zone, Central Zone, Southeast Zone)

From the 1983 exploration program the results of the geological survey are reported on in the geological section of this report; the geochemical survey over four specific areas delineated anomalies within an above average background; and the magnetometer survey was successful in locating and/or tracing massive sulfide zone.

DIAMOND DRILLING - 1984

Particulars

<u>Hole No.</u>	<u>Location</u>	<u>Azimuth</u>	<u>Dip</u>	<u>Length</u> (meters)
84-1	5287N 4250E	030°	-50°	145
84-2	5287N 4250E	030°	-65°	29
84-3	5282N 4285E	030°	-55°	124
84-4	5282N 4312E	020°	-60°	152
84-5	5240N 4037E	038°	-45°	93
84-6	5252N 4003E	030°	-50	78
84-7	5325N 4405E	228°	-50°	71
84-8	5300N 4334E	030°	-50°	164
84-9	5300N 4334E	030°	-65°	118
84-10	5300N 4334E	055°	-50°	36
84-11	5333N 4345E	200°	-62°	91

Results

<u>Hole No.</u>	<u>Interval</u> (<u>ft.</u>)	<u>Width</u> (<u>ft.</u>)		<u>Assay</u>	
			<u>%Cu</u>	<u>oz Ag/ton</u>	<u>oz Au/ton</u>
84-1	45.0-46.0	1.0	3.16	.97	.112
	165.0-166.0	1.0	8.16	2.14	.385
84-3	290.0-295.0	5.0	.51	.39	.538
84-5	167.0-168.0	1.0	1.84	.58	.016
84-6	26.0-26.5	0.5	1.01	-	-
84-8	20.0-22.5	2.5	.67	.28	.014
	142.0-142.5	0.5	8.67	2.66	.342
84-9	31.5-36.9	5.4	4.45	2.05	.061
	56.2-73.8	17.6	1.32	2.45	.159
84-10	17.0-22.0	5.0	9.88	4.71	.450
	or 17.0-27.0	10.0	5.43	2.55	.288
	or 17.0-33.5	16.5	3.73	1.73	.162
84-11	136.0-139.5	3.5	2.60	1.13	.152

GEOPHYSICAL - 1985

(Southeast Zone)

In 1985 a localized VLF-EM survey was carried out by S. Presunka on the northwest extension of the 1981 survey. Prime northwest trending VLF-EM anomalies were delineated which were described as "the best on the property".

DIAMOND DRILL PROGRAM - 1985

The diamond drill program was carried out on the northwest zone where former exploration results disclosed a pyritic zone with gold values and a gold anomalous geochem area.

Five BQ diamond drill holes were drilled with a Longyear 38 machine owned by Consolidated Boundary for a total length of 412 meters. The core was logged by the writer with pertinent sections marked for splitting. The sections were split, tagged and sent for analysis by D. Harsine of Grand Forks, B.C.

The core was analyzed for gold, silver and/or copper by Acme Analytical of Vancouver, B.C. In analysis, the samples were crushed to minus 100 mesh with a 1.00 gram sample of the minus 100 mesh material digested with 50 ml of 3-1-2 of HCL-HNO₃-H₂O at 95°C for one hour and is diluted to 100 ml with water.

Particulars of the drill holes are as follows:

Drill Hole No.: 85-1
Location: 211S 1090W
Bearing: 250°
Dip: -50°
Length: 100 meters
Results: Metamorphosed volcanic rocks ranging from andesite to dacite are intercalated with diorite and cherty sediments. A chert section with ankerite and moderate disseminated pyrite returned the best assay of .078 oz Au/ton from 248 to 253 feet, [1.5 meters (5.0 feet)]. A 6.0 meter (20.0 foot) section from 234 to 258 feet returned a weighted average of .027 oz Au/ton.

Drill Hole No.: 85-2
Location: 209S 1092W
Bearing: 274°
Dip: -50°
Length: 73 meters
Results: Intercalated diorite, dacites and chert are variably metamorphosed. A massive sulfide zone from 75 to 79.5 feet was barren of gold values. However a .6 meter section of chert bearing moderate pyrite within an 3.6 meter section of chert from 168 to 180 feet returned .252 oz Au/ton with .37 oz Ag/ton and .49% Cu.

Drill Hole No.: 85-3
Location: 216S 1083W
Bearing: 250°
Dip: -50°
Length: 81 meters
Results: Intercalated metamorphosed diorite, dacite and chert with a siliceous sulfide zone from 64 to 76 feet - 3.6 meters - averaging .016 oz Au/ton. A chert-quartz section from 192 to 211 feet - 5.8 meters - with moderate to light sulfides on fractures returned .016 oz Au/ton across 1.5 meters.

Drill Hole No.: 85-4

Location: 208S 1098W

Bearing: 062°

Dip: -50°

Length: 138 meters

Results: Intercalated variably metamorphosed cherts and diorites terminating in agglomerate host a 1.2 meter massive sulfide zone from 23 to 27 feet bounded by chert and returning an assay of .312 oz Au/ton with .19 oz Ag/ton and .30% Cu.

A 1.4 meter section from 333 to 337.5 feet of local massive sulfides in a fragmented chert returned .055 oz Au/ton.

Drill Hole No.: 85-5

Location: 208S 1098W

Bearing: 062°

Dip: -65°

Length: 20 meters

Results: Predominantly chert & terminating in a gray-green andesite. No evident mineralization.

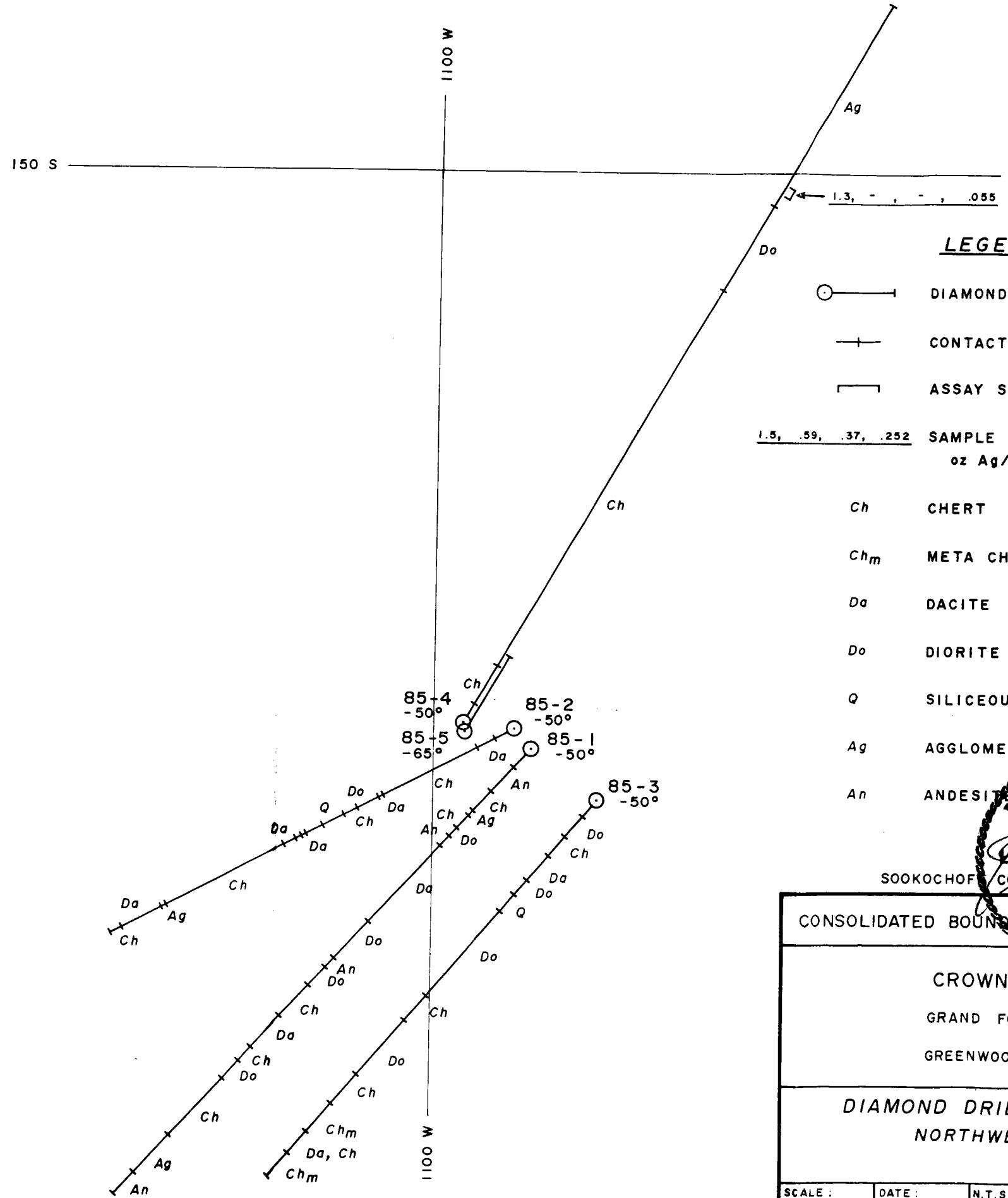
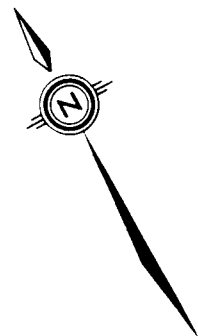
CONCLUSIONS

The results of the 1985 diamond drilling program on the northwest zone indicates that gold mineralization is associated with chert and diorite in addition to the massive sulfide zones as occur at the central zone and southeast zone of the property.

The encouraging mineralization of predominantly disseminated and cluster pyrite with minor chalcopyrite occurring in association with diorite - which may not be intrusive - indicates a potential extrusive or vented source of gold mineralization. Other indications to this vented source would be the chert - diorite - pyrite association which returned impressive gold assays ie. 3.6 meters of .252 oz Au/ton.

A cherty zone intersected within DH 85-2 (113-122 ft.) (34.4m - 37.2m) with no pyrite (not assayed) which correlates with a similar zone within 85-3 (58.5m-64.3m)(192-211 ft.) and which contains light to moderate sulfides and is gold bearing (.016 oz Au/ton) presents another zone of potential economic gold mineralization.

With the prolific ubiquitous pyrite and variable gold mineralization in association with most of the rock units occurring in the northwest area, an open pit bulk tonnage operation would be possible should there be an increase in the gold content.

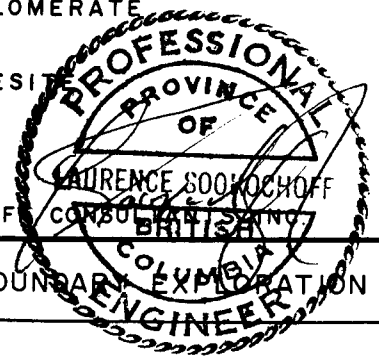


LEGEND

- DIAMOND DRILL HOLE
- CONTACT
- ASSAY SECTION

1.3, .59, .37, .252 SAMPLE LENGTH (metres), % Cu, oz Ag/ton, oz Au/ton.

- Ch CHERT
- Ch_m META CHERT
- Da DACITE
- Do DIORITE
- Q SILICEOUS ZONE
- Ag AGGLOMERATE
- An ANDESITE

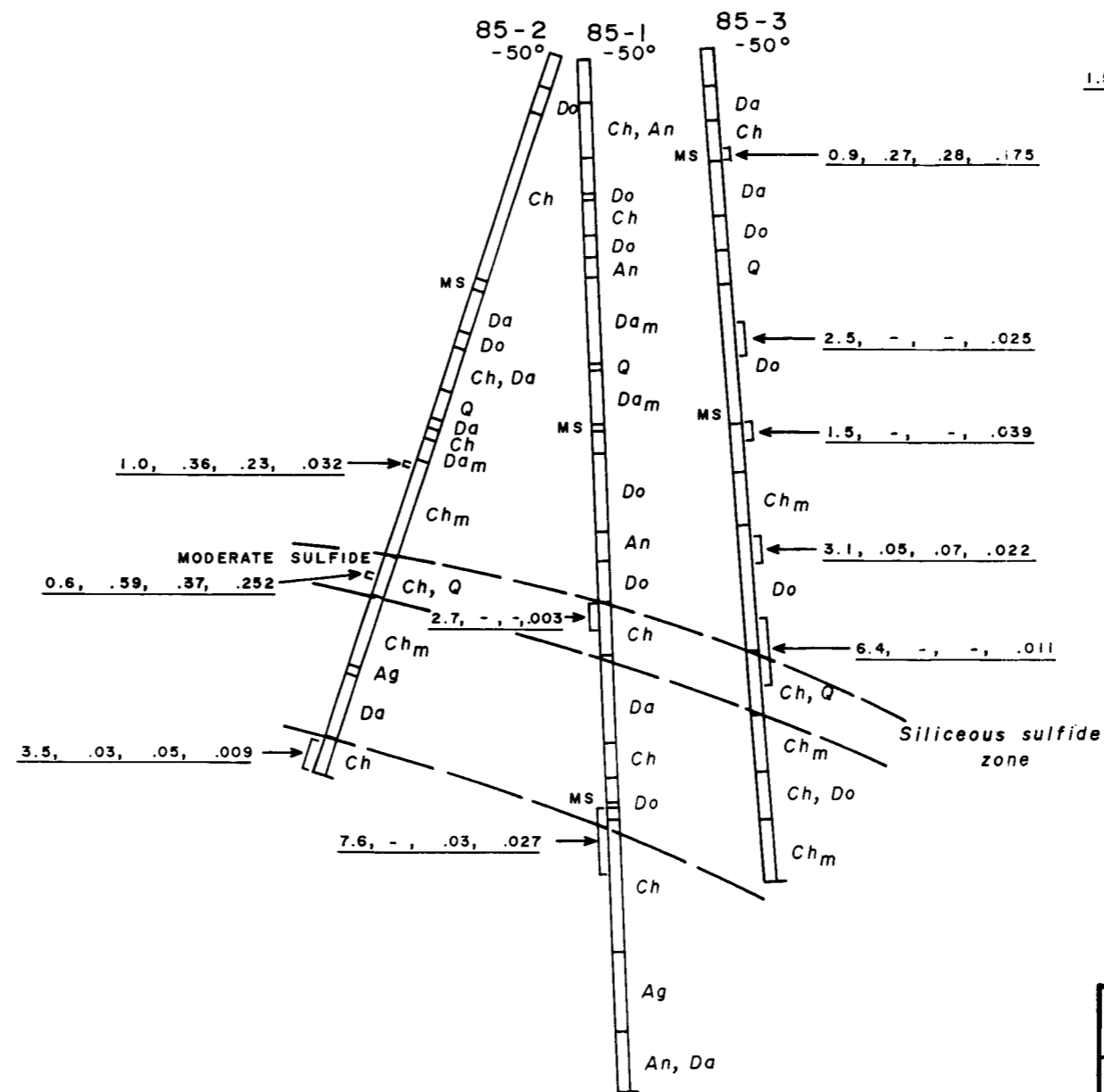


CONSOLIDATED BOUNDARY EXPLORATION LTD.

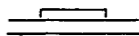
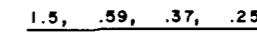
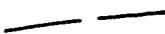









CROWN GROUP
 GRAND FORKS AREA
 GREENWOOD M.D., B.C.

**DIAMOND DRILL HOLE PLAN
 NORTHWEST ZONE**

SCALE: 1:500	DATE: JAN. 86	N.T.S. 82 E/2 E	FIGURE: 4	DRAFTED BY: B. D. S.
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LEGEND

-  SAMPLED SECTION
-  1.5, .59, .37, .252 SAMPLE LENGTH (metres), % Cu, oz Ag/ton, oz Au/ton
-  CONTACT
-  MASSIVE SULFIDE
-  CHERT
-  META CHERT
-  DACITE
-  META DACITE
-  DIORITE
-  SILICEOUS ZONE
-  AGGLOMERATE
-  ANDESITE



CONSOLIDATED BOUNDARY CORPORATION LTD.				
CROWN GROUP GRAND FORKS AREA GREENWOOD M. D., B. C.				
SECTION D.H. 85-1, 85-2, 85-3 (NORTHWEST ZONE) LOOKING NORTHEAST				
SCALE: 1:500	DATE: JAN. 86	N.T.S. 82 E/2 E	FIGURE: 5	DRAFTED BY: B. D. S.

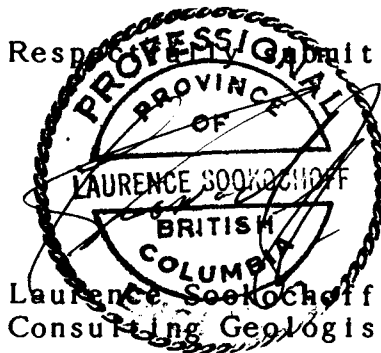
RECOMMENDATIONS

It is recommended that a diamond drilling program be carried out on the Northwest zone and the Southeast Zone.

On the Northwest Zone initial drill holes should be drilled paralleling 85-3 at 35 meter intervals to the northwest. The results of the first hole should supply sufficient information as to the trend of the gold mineralization. Each hole would be spotted in a location contingent on the results of the completed drill hole.

On the Southeast Zone the 1985 EM anomalous zone should be tested by diamond drilling. It appears that the EM anomalies are within a general northwesterly trend from the Winnipeg-Golden Crown "structure" within which some 40,000 tons of .3 gold are drill indicated. The mineral zone is some 750 meters southeast of the EM anomalous area and 450 meters southeast of the common property boundary.

Respectfully Submitted,



Laurence Sookochoff, P.Eng.
Consulting Geologist

January 9, 1986
Vancouver, B.C.

SELECTED REFERENCES

MINISTER OF MINES REPORTS - 1901 p. 870
1902 p.1063

McNAUGHTON, D.A. - Greenwood - Phoenix Area British Columbia,
Geological Survey of Canada Paper 45-20, Ottawa
1945.

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

- 1981 Diamond Drill Assessment Report on the
Crown Group, Dec. 15, 1981

- 1983 Geological, Geochemical and Geophysical
Report on the Crown Group, April 10, 1984.

CERTIFICATE AND CONSENT

I, Laurence Sookochoff, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

That I am a Consulting Geologist and principal of Sookochoff Consultants Inc. 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 nineteen 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 Selected References and from work the writer has carried out on the property since 1979.



Laurence Sookochoff, P.Eng.
Consulting Geologist.

January 9, 1986
Vancouver, B.C.

Statement of Costs

The 1985 diamond drill program was carried out on the Crown Group from September 6, 1985 to September 20, 1985 to the value of:

452 meters (1354 ft.) @ \$20/foot	\$27,080.00
-----------------------------------	-------------

APPENDIX A

DIAMOND DRILL LOGS 85-1 to 85-5

CLAIM NO. Crown 8

DIAMOND DRILL RECORD

PROPERTY CROWN

HOLE NO. 85-1

LATITUDE 211S ELEVATION _____ BEARING 250° DEPTH 100m (327 ft) STARTED September 6, 1985 COMPLETED September 9, 1985

DEPARTURE 1090W SECTION _____ DIP -50 DRILLED BY CONSOLIDATED BOUNDARY LOGGED BY L. SOOKOCHOFF, P. Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS	
							Au oz/ton
0-12	CASING		ft.	ft.	ft.		
12-29	CHERTY ANDESITE: Broken, vuggy, limonitic						
29-43	CHERT: Micro fractured and healed, quartz veinlets @ 50°						
43-46	DACITE: Brownish grey - no py, contact @ 45°						
46-55	CHERT: w/ loc dacitic flows						
	55-56.5 carbonated zone - limonitic						
55-62	DIORITE: w/ local. cherty frags. heavily carbonated, diss and blebs py.	5168	55	60	5.0'		.001
62-70	META ANDESITE: Carbonated, cherty sections. blebs py & po, chloritic on fracture	5169	60	70	10.0		.001
70-126	META DACITE: Greenish gray, chloritic, heavy carbonate w/ blebs py, variable carb. str.	5170	70	75	5.0		.001
	70-75 4.0' core broken fine diss. py and str.						
	94-95 10% py, silicified zone w/ str. & py & ccpy	5171	94	99	5.0		.001
	100.5 - 101.5 15% py as irregular patches in mixture of diorite & chert	5172	99	104	5.0		.001
		5175	104	110	6.0		.001
	110 - cont @ 45° w/ dior and sections	5174	110	115	5.0		.001
	dacite - gr. gray dense, micro fractured w. str. carb.	5175	115	120	5.0		.003
	and disseminated py						
	1 ft = 0.305 m						
	The core is stored in racks near drill site						

DIAMOND DRILL RECORD

CLAIM NO. _____

PROPERTY _____

HOLE NO. 85-1 _____

LATITUDE _____ ELEVATION _____ BEARING _____ DEPTH _____ STARTED _____ COMPLETED _____

DEPARTURE _____ SECTION _____ DIP _____ DRILLED BY _____ LOGGED BY _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS	
							Au oz/ton
	115-117 Massive sulfide @ 45° carbonated in w/ diorite and dacite		ft	ft	ft		
126-152	DIORITE: Allot. tex., coarse mud grained lobatic tex, carb on fr., blebs < 1/8" of py - mod, carb.-quartz str. @ 50° - 30° w/ minor chert and dacite sections						
	140 + > carbonate zone - loc brecciad						
	142-146 friable - soft, mod carb.						
	146-152 cont @ 40° blebs sulfide	5176	142	147	5.0		.002
	mod in hard, coarse dia	5177	147	152	5.0		.001
152-156	AMPHIBOLITE: Hard, black w/ disc. str.	5178	152	157	5.0		.001
	rare py	5179	157	165	8.0		.001
166-171	DIORITE: Peppery texture and mod. fr'd w/ chl. on fractures.						
	Rare str. py and patches	5180	167	172	5.0		.010
	localy lt bra - ankerite w/ heavy py						

ESTERN MINER-PRESS LTD. STANDARD FORM NO. 502

CLAIM NO.

DIAMOND DRILL RECORD

PROPERTY.....

HOLE NO. 85-1.....

LATITUDE

ELEVATION

BEARING.....

DEPTH.....

STARTED

COMPLETED

DEPARTURE

SECTION

DIP.....

DRILLED BY.....

LOGGED BY

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS	
							Au
171-192	CHERT: fine disseminated	5181	ft 172	ft 181	ft 9.0		Ag oz/ton .003
	py on fr. and blebs cont @ 40°	5182	181	186	5/0		.001
	1/1-1// Quartz, fr'd & healed						
	177-192 Mainly quartz w/ loc sec.						
	fr. dacite and dioritic textured	5183	186	192	6.0		.001
192-217	META DACITE: Carbonated zone w/ loc. ank.	5184	192	198	6.0		.001
	sec. and heavy pyrite and chlorite w/ dac.	5185	198	208	10.0		.001
	198-217 silicious dacite	5186	208	217	9.0		.001
217-226	CHERT: w/ light diss py	5187	217	224	7.0	.01	.001
	224-226 hybrid zone	5188	234	238	4.0	.06	.013
226-238	META DIORITE: Carbonated w/ mod blebs	5189	238	243	5.0	.02	.003
	irregular po., blebs red hematite	5189	238	248	10.0	.01	.019
	235' 100% w/ 15% cpy	5191	248	253	5.0	.04	.078
238-281	CHERT: w local	5192	253	258	5.0	.02	.020
	bands ankeritic sections and	5193	258	263	5.0	.01	.003
	carbonate w/ mod diss py	5194	263	268	5.0	.02	.002
248-308	AGGLOMERATE: Dacitic dark grey-green matrix w/	5195	268	278	10.0	.02	.001
	sub angular fragments up to ½"						

DIAMOND DRILL RECORD

CLAIM NO.

PROPERTY

HOLE NO. 85-1

LATITUDE ELEVATION BEARING DEPTH STARTED COMPLETED

DEPARTURE SECTION DIP DRILLED BY LOGGED BY

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS		
						Cu %	Ag oz/ton	Au oz/ton
	283-284.5 Quartz w/ rare lt py occ. carb str.		ft	ft	ft			
305-327	ANDESITE: Trending to dacite @ 317 lt to mod py	5196	322	327	5.0		.01	.001
	327 END OF HOLE		234	258	24'	-	.03	.027

ESTERN MINER-PRESS LTD.
 STANDARD FORM NO. 502

CLAIM NO. Crown 8

DIAMOND DRILL RECORD

PROPERTY CROWN

HOLE NO. 85-2

LATITUDE 209S

ELEVATION

BEARING 274°

DEPTH 73m (240 ft)

STARTED September 10/85

COMPLETED September 12/85

DEPARTURE 1092W

SECTION

DIP -50

DRILLED BY CONSOLIDATED BOUNDARY

LOGGED BY L. SOOKOCHOFF, P.Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS		
						Cu	Ag	Au
			ft	ft	ft	%	oz/ton	oz/ton
0-11	CASING							
11-20	MICRO DIORITE: 11-21 -4.0' core							
	17-19 heavily lim'd							
20-75	CHERT: ox'd dense microfractured	5017	21	26	5.0			.008
	fr. @ 0°, 40°	5018	26	31	5.0			.006
	26 - agglomerate - w/ rounded frags chert							
	31-31.6 loc. sec. diorite w/ blebs po	5019	31	41	10.0			.004
	39.6 loc blebs cpy	5020	41	51	10.0			.001
	48.5 1.0' diorite - ox'd @ 30° carbonated	5021	51	61	10.0			.001
	50 - ankeritic chert - dioritic carb w/	5024	61	71	10.0			.002
	str. and disseminated carb	5025	71	75	4.0			.015
75-79.5	MASSIVE SULFIDE: @ 25° local	5022	75	79.5	4.5	.01	.06	.001
	1.0' nodular py and 1.0' massive							
79.5-92	DACITE: w/ rare chert sections and good	5023	79.5	84.5	5.0			.068
	py. on fr. and lt. disseminated chloritic,							
	soft-carbonated, gray-green.							
92-100	DIORITE: 92-95 diorite sections							
	95-98 heavily carbonated							
	98-100 diorite							

DIAMOND DRILL RECORD

CLAIM NO. _____ PROPERTY _____ HOLE NO. 85-2 _____

LATITUDE _____ ELEVATION _____ BEARING _____ DEPTH _____ STARTED _____ COMPLETED _____

DEPARTURE _____ SECTION _____ DIP _____ DRILLED BY _____ LOGGED BY _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS		
						Cu %	Ag oz/ton	Au oz/ton
100-113	CHERT & DACITE: w/ dioritic sections, disseminated py - No alteration on contact, mod diss py, 108' carb		ft	ft	ft			
113-122	CHERTY: Quartz - bluish and white - no py. micro brec'd and healed							
122-124	DACITE:							
124-127	CHERT AND BRECCIA:							
127-136	META DACITE: chert and micro dacite 133.5 - 134.5 10% sulf w/ lt cpy	5026	133.5	136.5	3.0	.36	.23	.032
136-168	META CHERT: w/ lt py and cpy, lt in fr. @55° w/ rare diorite 162-4"	5027	136.5	144	7.5	.04	.05	.003
168-180	CHERT: White w/ mod sulf. micro brec and healed	5028	144	149	5.0	.04	.01	.002
		5029	149	159	10.0	.02	.04	.003
180-206	META CHERT: Lt. grey green w/ lt to no sulfide	5030	159	168	9.0	.01	.03	.001
		5031	168	175	7.0	.02	.08	.005
206-208	AGGLOMERATE: w/ chert frags	5032	175	177	2.0	.59	.37	.252
208-227	DACITE: w/ rare chert frags and lt. py	5034	228	235	7.0	.04	.03	.013
227-240	CHERT: White loc sulf str. @ 225° loc heavy sulf on fr. 240 END OF HOLE	5033	235	240	5.0	.03	.07	.004
			238	240	12'	.035	.047	.009

ESTERN MINER-PRESS LTD.
 STANDARD FORM NO. 502

CLAIM NO. Crown 8

DIAMOND DRILL RECORD

PROPERTY CROWN

HOLE NO. 85-3

LATITUDE 216S ELEVATION BEARING 250° DEPTH 81m (265 ft) STARTED Sept 12/85 COMPLETED Sept 15/85

DEPARTURE 1083W SECTION DIP -50 DRILLED BY CONSOLIDATED BOUNDARY LOGGED BY L. SOOKOCHOFF, P. Eng.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS		
						Cu	Ag	Au
						%	oz/ton	oz/ton
0-11	CASING							
11-22	MICRO DIORITE: ox'd 11-22 4.0' core							
22-36	CHERT: micro brecc'd	5035	31	34	3.0	.27	.28	.175
	1½" py @ 32°							
	1" py @ 35°							
36-64	DACITE: Carbonated dk gray green; cal	5036	62	64	2.0		.01	.005
	on fr. w/ mod var calcite str.	5037	64	69	5.0			.017
52-64	DIORITE: w/ dacitic sections	5038	69	77	8.0			.015
	lt py, lt cal str. and pods and loc	5039	77	87	11.0			.006
	pods po @ 52-56, 63-64							
64-76	SULFIDE ZONE: Siliceous (cherty) w/ 20% py and lt. cpy, dioritic host?							
	str., blebs random patches py 20% quartz random							
76-135	DIORITE: w/ lt-mod sulf. str. and cal	5040	87	92	5.0			.045
	v l, lt-mod cpo & py	5041	87	97	5.0			.005
	88-90 > sil zone @ 45°	5042	117	122	5.0			.039
	97 cherty section							
	97+ lt to no sulf.							
	117-117.5 massive sulfide @ 45° w/ cpy and red hem on fr.							

ESTERN MINER-PRESS LTD. STANDARD FORM NO. 902

CLAIM NO.

DIAMOND DRILL RECORD

PROPERTY

HOLE NO. 85-3

LATITUDE

ELEVATION

BEARING

DEPTH

STARTED

COMPLETED

DEPARTURE

SECTION

DIP

DRILLED BY

LOGGED BY

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS		
						Cu	Ag	AI
			ft.	ft.	ft.	%	oz/ton	oz/ton
135-152	META CHERT: Massive gray-green w/ lt disseminated py and loc rare diorite							
152-192	DIORITE: w/ pods and blebs py and lt. po	5043	156	166	10.0	.05	.07	.022
	157 > sil'd and > sulf	5044	166	176	10.0	.02	.01	.003
	167 carbonated, friable, heavy f.g. py	5045	176	181	5.0	.17	.11	.013
192-211	CHERT: White 0 quartzitic and loc brec'd	5046	181	187	6.0			.010
	micro fr'd w/ mod - lt sulf on fr.	5047	187	192	5.0			.011
	heavier to 197	5048	192	197	5.0			.016
211-232	META CHERT: dacitic w/ lt w/ lt brn sec.	5049	197	202	5.0			.009
	carbonated and local sulfides							
232-246	DACITE AND CHERT w/ local dacite							
246-265	META CHERT:							
	265ft END OF HOLE							
	81m							
			31	34	3.0'	.27	.28	.175
			87	97	10.0'	-	-	.025
			156	166	10.0'	.05	.07	.022

CLAIM NO. Crown 8

DIAMOND DRILL RECORD

PROPERTY CROWN

HOLE NO. 85-4

ALTITUDE 2085 ELEVATION BEARING 062° DEPTH 138m (455 ft) STARTED sept. 15/85 COMPLETED Sept. 19/85

DEPARTURE 1098W SECTION DIP -50 DRILLED BY CONSOLIDATED BOUNDARY LOGGED BY L. SOOKOCHOFF, P.Eng

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS		
						Cu	Ag	Au
			ft.	ft.	ft.	%	oz/ton	oz/ton
0-5	CASING							
5-6	GRANITE: Boulder?							
6-23	CHERT: White, grayish, meta, micro fr'd w/ sec diorite 22-35 ox'd diorite f.g.							
23-27	MASSIVE SULFIDE ZONE: 100% granular py w/ 10% quartz vuggy	5050	23	27	4.0	.30	.19	.312
27-268	META CHERT: dacitic gray-green chloritic w/ mod cal str. and lt diss & str. py							
	97 Red hematite	5197	91	97	6.0			.003
	85+ heavier sulf	5198	143,5	146	2,5			.012
	143,5 0 146 20% oy as str, v.l. and disseminated							
	150-159.5 mod sulf-py	5199	178	182	5,0			.001
268-232	DIORITE: Peppery white ank fels lt green aph matrix - dioritized?							
	289 2" mud zone							
	315-316 lt gray peppery dacite							
322-455	AGGLOMERATE: Chert frags in lt gray matrix 327 chert frags in cherty bluish matrix							
	337-337.5 loc massive sulfides in chert fragmented	5200	333	337.5	4.5'			.055
	455 ft END OF HOLE							
	138m							

ESTERN MINER-PRESS LTD.
STANDARD FORM NO. 502

APPENDIX B

ASSAY RESULTS DH 85-1 to 85-5

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED SEPT 24 1985
DATE REPORTS MAILED Oct 1/85

ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER D. Toy DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

SOOKOCHOFF PROJECT

CROWN FILE# 85-2514

PAGE# 1

SAMPLE	Au oz/t
5168	.001
5169	.001
5170	.001
5171	.001
5172	.011
5173	.001
5174	.001
5175	.003
5176	.002
5177	.001
5178	.001
5179	.001
5180	.010
5181	.003
5182	.001
5183	.001
5184	.001
5185	.001
5186	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED SEPT 27 1985

DATE REPORTS MAILED

Oct 3/85

ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER: *D. J. Jeffs* DEAN TOYE OR TOM SAUNDY, CERTIFIED B.C. ASSAYER

SOOKOCHOFF PROJECT

CROWN FILE# 85-2566

PAGE# 1

SAMPLE	Cu %	Ag oz/t	Au oz/t
5017	-	-	.008
5018	-	-	.006
5019	-	-	.004
5020	-	-	.001
5021	-	-	.001
5022	.01	.06	.001
5023	-	-	.068
5024	-	-	.002
5025	-	-	.015
5026	.36	.23	.032
5027	.04	.05	.003
5028	.04	.01	.002
5029	.02	.04	.003
5030	.01	.03	.001
5031	.02	.08	.005
5032	.59	.37	.252
5033	.03	.07	.004
5034	.04	.03	.013
5035	.27	.28	.175
5036	-	.01	.005
5037	-	-	.017
5038	-	-	.015
5039	-	-	.006
5040	-	-	.045
5041	-	-	.005
5042	-	-	.039
5043	.05	.07	.022
5044	.02	.01	.003
5045	.17	.11	.013
5046	-	-	.010
5047	-	-	.011
5048	-	-	.016
5049	-	-	.009
5050	.30	.19	.312
5197	-	-	.003
5198	-	-	.012
5199	-	-	.001
5200	-	-	.055

Pawin

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: SEPT 25 1985

DATE REPORT MAILED: *Oct 5/85*

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR,
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.
- SAMPLE TYPE: CORES AU# 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE OR TOM SAUNDY. CERTIFIED B.C. ASSAYER

SOOKOCHOFF CONSULTANTS

PROJECT-

CROWN FILE # 85-2536 PAGE 1

SAMPLE#	Ag	Au
	OZ/T	OZ/T
5187	.01	.001
5188	.06	.013
5189	.02	.003
5190	.01	.019
5191	.04	.078
5192	.02	.020
5193	.01	.003
5194	.02	.002
5195	.02	.001
5196	.01	.001

Crown

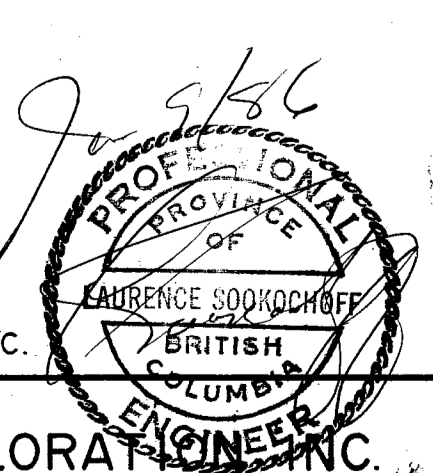


LEGEND

- DIAMOND DRILL HOLE
- TRENCH
- SHAFT
- CLAIM POST

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,641
SOOKOCHOFF CONSULTANTS INC.

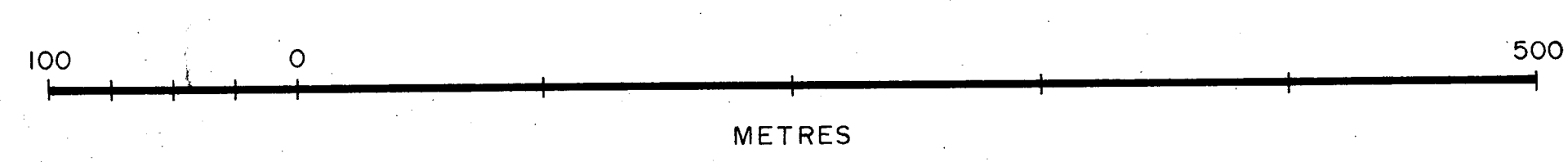


CONSOLIDATED BOUNDARY EXPLORATION INC.

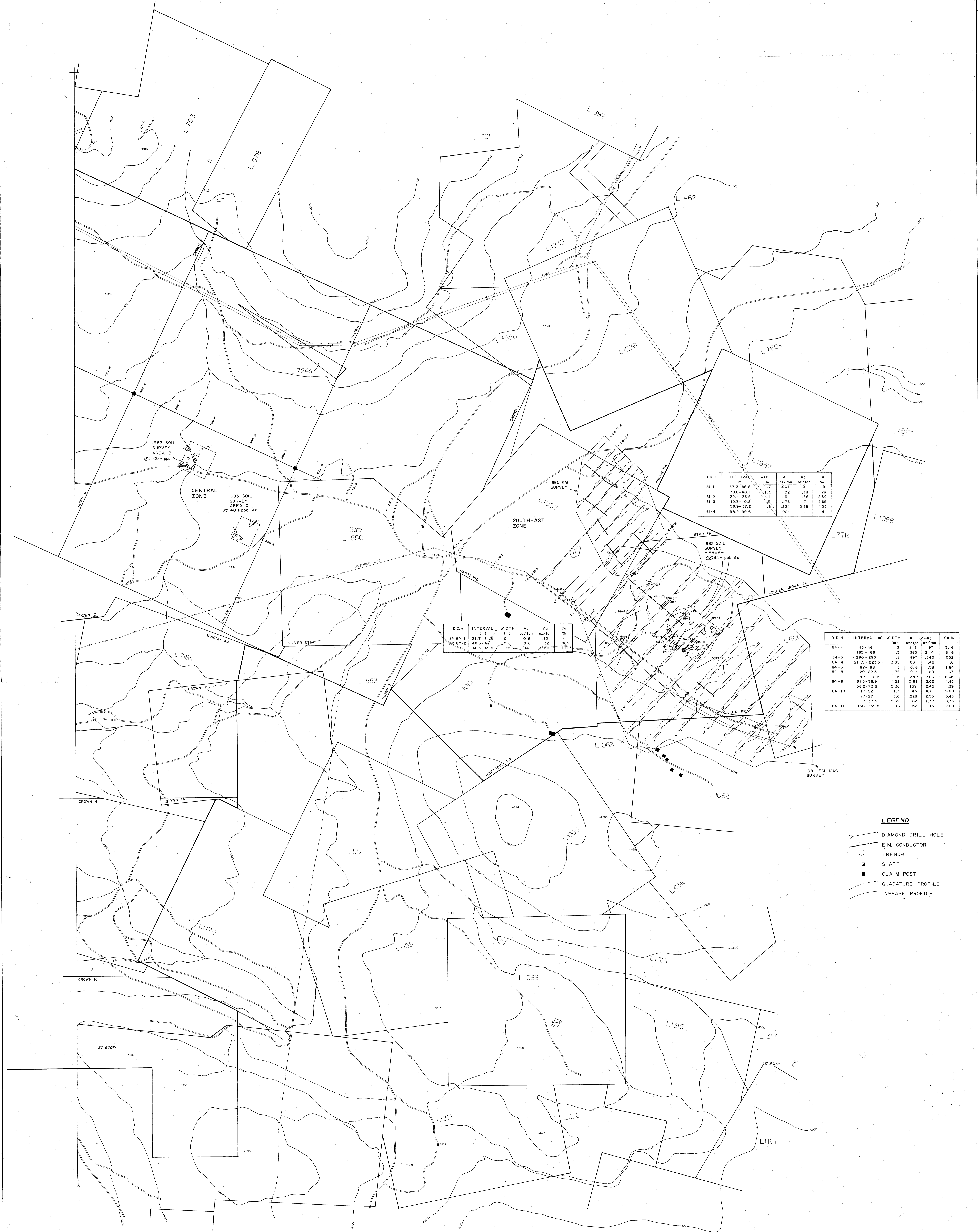
CROWN GROUP
GRAND FORKS AREA
GREENWOOD M.D., BC.

INDEX MAP SHOWING EXPLORATION AREAS
(No 2 of 2)

CROWN GROUP		DELTA AERIAL SURVEYS LTD.
	PROJECT NUMBER	8561
	COMPILED ON	W16 A-8
	PHOTOGRAPHY	
	PLANIMETRIC	TOPOGRAPHIC
	BC 6x7, 8" x 11.25-000	BC 6x7, 4" x 10.0-000
	CONTROL	SOOKOCHOFF CONSULTANTS INC.
	DATUM	



SCALE:	DATE:	N.T.S.	FIGURE:	DRAFTED BY:
1: 2,500	JAN 86	82 E / 2 E	5	B.D.S.



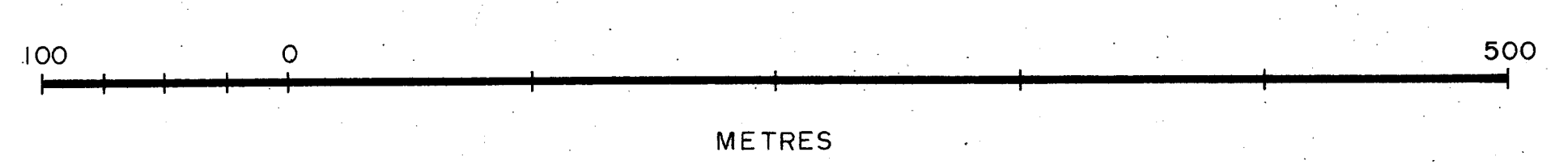
D.D.H.	INTERVAL (m)	WIDTH (m)	Au (g/t)	Ag (g/t)	Cu (%)
B1-1	57.3-58.8	7.7	2001	01	19
B1-2	38.6-40.1	1.5	02	19	76
B1-3	32.4-33.5	1.1	196	66	3.54
B1-4	10.3-10.9	0.6	176	7	2.85
B1-4	98.2-99.6	1.4	504	1	4

D.D.H.	INTERVAL (m)	WIDTH (m)	Au (g/t)	Ag (g/t)	Cu (%)
JR 80-1	31.7-51.8	0.1	2018	12	985
JR 80-2	46.5-47.1	0.6	2018	32	985
JR 80-2	48.5-49.0	0.5	204	20	173

D.D.H.	INTERVAL (m)	WIDTH (m)	Au (g/t)	Ag (g/t)	Cu (%)
84-1	45-46	3	112	97	3.16
84-3	165-166	3	365	214	8.16
84-5	206-209	1.8	497	345	202
84-4	211.5-223.5	3.65	031	48	8
84-5	167-168.5	3	016	59	1.84
84-8	20-22.5	0.6	014	28	67
84-9	142-142.5	1.9	362	286	8.65
84-9	31.5-36.9	1.22	0.61	205	445
84-10	56.2-73.8	5.36	159	245	139
84-10	17-22	1.5	45	471	9.88
84-10	17-27	3.0	228	255	5.43
84-11	17-23.5	3.02	162	173	3.15
84-11	136-139.5	1.06	152	113	2.60

- LEGEND**
- DIAMOND DRILL HOLE
 - E.M. CONDUCTOR
 - TRENCH
 - SHAFT
 - CLAIM POST
 - QUADATURE PROFILE
 - INPHASE PROFILE

GEOLOGICAL BRANCH
ASSESSMENT REPORT
14,641



CROWN GROUP
DELTA AERIAL SURVEYS LTD.
PROJECT NUMBER: 810
COMPILED ON: 8/18/88
SCALE: 1:2500
CONTROL: BC 501, 6", 1:25000; BC 501, 6", 1:25000
SOKOCHOFF CONSULTANTS INC.

SOKOCHOFF CONSULTANTS INC.
CONSOLIDATED BOUNDARY EXPLORATION LTD.
CROWN GROUP
GREEN FORKS AREA
GRANDWOOD M.D., B.C.
INDEX MAP SHOWING EXPLORATION AREAS
(No. 1 of 2)
SCALE: 1:2,500 DATE: JAN 88 N.T.S. 82 E / 2 E FIGURE: 6 DRAFTED BY: B.O.S.

