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1986 ASSESSMENT REPORT ^{5/88}
DIAMOND DRILLING PROGRAM
on the
HEK CLAIM GROUP
PASS CREEK AREA

FILMED

GREENWOOD MINING DIVISION
BRITISH COLUMBIA

for

Owner/Operator. CONSOLIDATED BOUNDARY EXPLORATION LTD.
and
GRAND FORKS MINES LTD.

NTS 82E/1W 49° ^{11.6'} ~~21~~ N 118° 28' W

16,066

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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CONSULTING GEOLOGIST

JANUARY 26, 1987
VANCOUVER, B.C.

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1986 ASSESSMENT REPORT
DIAMOND DRILLING PROGRAM
on the
HEK CLAIM GROUP
PASS CREEK AREA

INTRODUCTION

From May to August, 1986, a diamond drilling program was carried out on the HEK mineral claim of the HEK claim group. The purpose of the drill program was to test for vertical and horizontal continuity of mineralized intersections obtained in previous drill holes and to test a Max-Min EM anomaly.

The drilling was performed by Consolidated Boundary Exploration Ltd. as operator of the exploration project. A Longyear 38 machine was utilized with BQ size drill rods. A total of 783 meters (2,569 feet) of drilling was completed in nine drill holes.

The core is stored in the property.

SUMMARY

The HEK group is comprised of two claims (25 units) located in the Pass Creek area 21 km north of Grand Forks, B.C. Exploration of gold occurrences covered by the claim group dates back to 1901. In the 1930's the property was referred to as the Simpson Mine with open cuts, shafts and drifts completed exploring pyrrhotite-pyrite-chalcopyrite zones.

In 1939 Hecla Mining shipped 364 tons which averaged 0.71 oz. Au/ton and 0.25 oz. Ag/ton. A drill hole drilled by Fento Mines reportedly intersected "18 feet" of 0.30 oz. Au/ton, 3.75 oz. Ag/ton and 0.5% Cu. Drilling by Consolidated Boundary up to 1976 disclosed significant gold values in six of the eleven drill holes. The values ranged from 0.083 oz. Au/ton over "nine feet" to 0.28 oz. Au/ton over "34 feet". In 1983 the property was

optioned and explored by Grand Forks Mines Ltd. In 1984, two diamond drill holes were put down, the results of which returned a maximum of .028 oz. Au/ton.

In 1986 nine drill holes were completed on the Glover zone - a westerly extension of the Main zone and the location of the 18 foot intersection by Fento Mines.

The drilling disclosed a massive sulphide zone trending northwesterly and dipping steeply to the northeast. Assays from the zone which is open to depth and to the northwest returned up to a weighted average of 0.259 oz. Au/ton over 6.2 meters.

A volcanogenic sulphide zone was also located. Intermittent bedded sulphides within the westernmost drill hole returned up to 4,953 ppm Zn and 110 ppb Au.

Additional geophysical surveys and diamond drilling are recommended on the two zones.

PROPERTY

The property is comprised of two contiguous located mineral claims totalling 25 units. Particulars are as follows:

<u>Claim Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Expiry Date*</u>
HEK	9	159	Nov. 17, 1990
HEL	16	211	Feb. 05, 1991

*Upon approval of three years assessment work applied December 4, 1986 for which this report forms a part thereof.

The claims are registered in the name of Consolidated Boundary Explorations Ltd. and are under option to Grand Forks Mines Ltd.

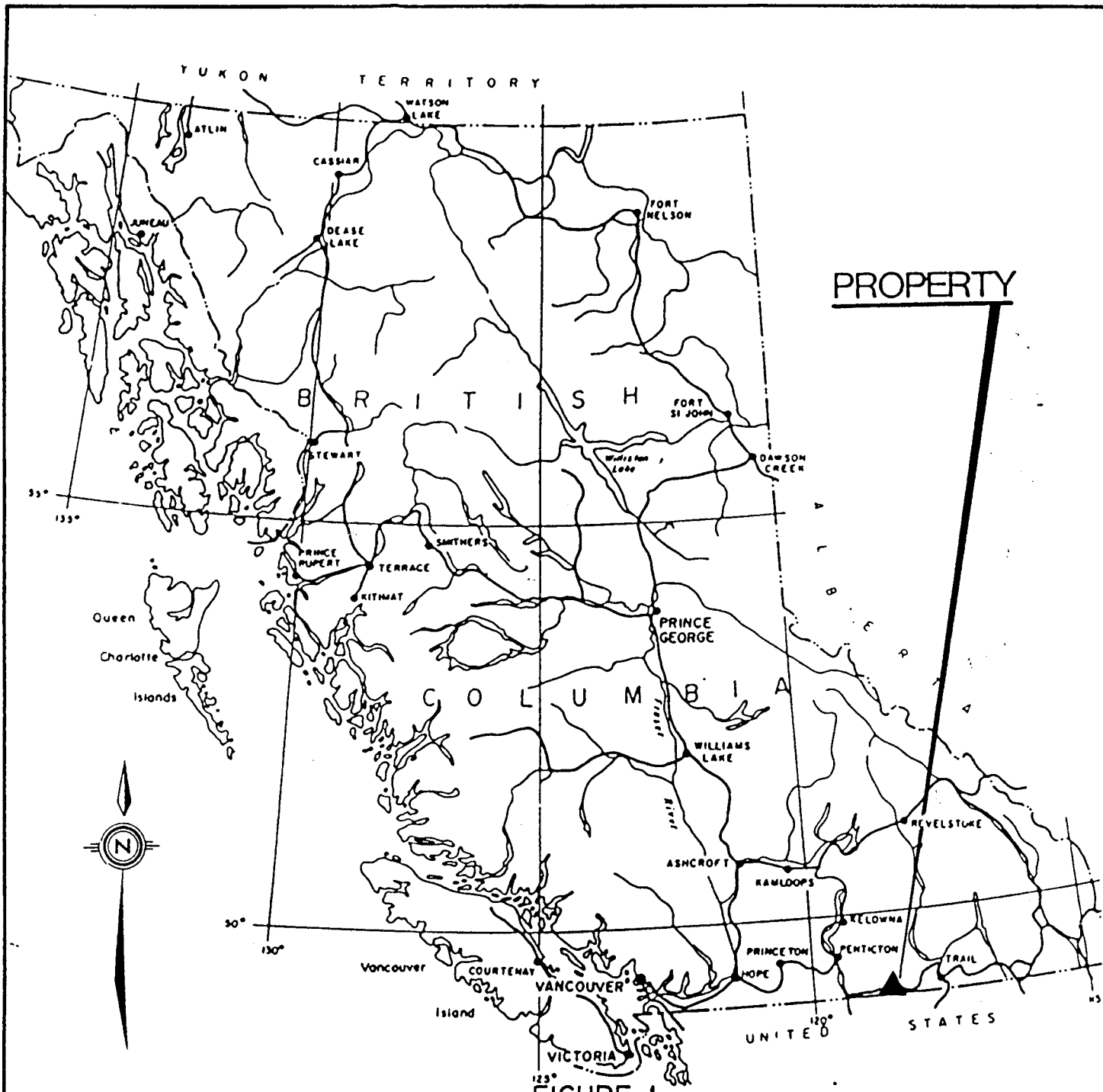


FIGURE 1

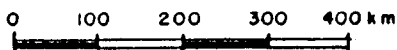
SOOKOCHOFF CONSULTANTS INC.

CONSOLIDATED BOUNDARY EXPLORATIONS LTD. &
 & GRAND FORKS MINES LTD.
 HEK PROPERTY

N.T.S. 82E-1W

GREENWOOD M.D., B.C.

LOCATION MAP



SCALE 1:6,300,000	DATE Jan. 1987	N.T.S. 82E-1W	JOB NO.	FIGURE 1
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LOCATION AND ACCESS

The property is situated 21 km north of Grand Forks adjacent to and north of Pass Creek, an easterly-flowing tributary of the north fork of Granby River.

Access is provided by paved, gravel and secondary roads to the property.

WATER AND POWER

Sufficient water for all phases of the exploration program are available from Glover Creek or other water courses on the property.

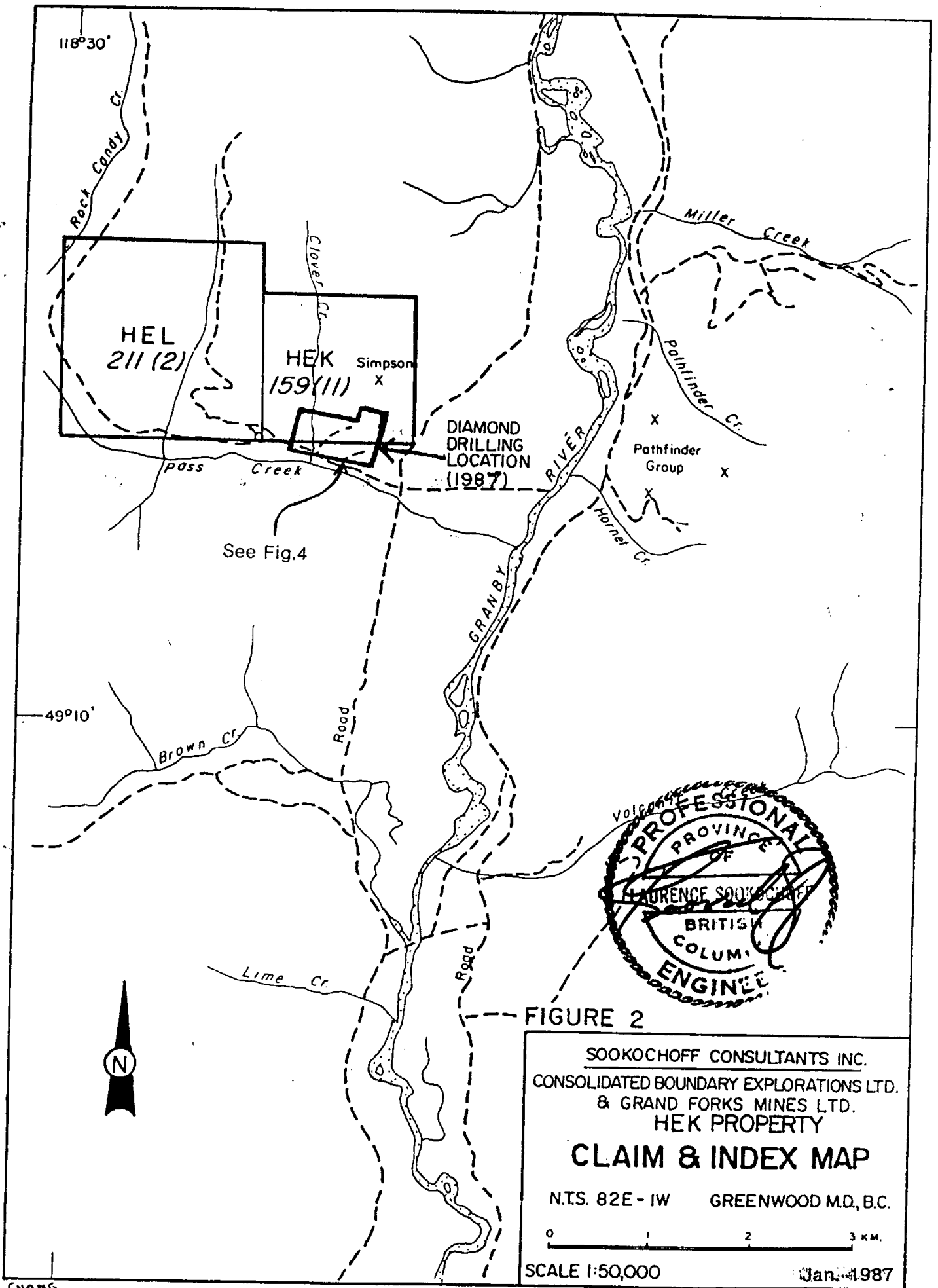
TRANSPORTATION AND SUPPLIES

Trail is located 90 km east of Grand Forks where smelter facilities are available. Castlegar, 90 km east of Grand Forks, is served daily by commercial airlines from Vancouver. Skylink Airlines has recently commenced a one day a week service to Grand Forks from Vancouver utilizing a DASH 7 aircraft.

HISTORY

The history of the area stems from placer deposits discovered along Rock Creek and Boundary Creek west of Grand Forks in the early 1850's.

In 1890, gold-copper deposits were discovered at Rossland, 55 km east of Grand Forks stimulating prospecting throughout the area. The following year, large low grade copper deposits were



discovered near Phoenix, 13 km northeast of Grand Forks. The Phoenix district produced about 15 million tons of ore averaging slightly over 1.5% copper with significant gold and silver values. The Phoenix mine ceased operations in 1919, however was later re-opened and in production to 1978.

In the immediate vicinity of the HEK claim group, exploration and development on the Pathfinder property (one km to the east) to 1920 resulted in "1,250 tons of ore being shipped assaying 0.43 oz. Au/ton and 3.9 oz. Ag/ton".

In a 1983 drill program on the Richmond claim of the Pathfinder property, values of up to 1.4 oz. Au/ton across 2.4 feet and .12 oz. Au/ton across 12.2 feet were reported. Geological mapping and sampling on the Pathfinder in 1984 returned encouraging results in the location of gold values associated with volcanic flows.

Recent exploration has also been performed on other properties in the immediate area, including an adjacent property to the north.

On the ground covered by the HEK and HEL claims, the history dates back to 1901 when the property was known as the "Exchange". In 1939, Hecla Mining carried out a program of drifting and cross-cutting resulting in the shipment of 364 tons of material from the Simpson zone (on the HEK claim) to the Trail smelter.

From 1966 to 1969, Byrell Minerals and Fento Mines carried out an exploration program of I.P. surveys, stripping and the diamond drilling of six holes on the Glover zone on the HEK claim (F69 1-6).

From 1975 to 1976, Consolidated Boundary Exploration carried out a program of geological mapping, magnetometer surveys and the diamond drilling of eleven holes (CB75 1-11) for 1,973 feet on the Glover zone on the HEK claim.

In June and July of 1976, Hecla Mining Company of Canada carried out a program of geological mapping, magnetometer surveys and

the diamond drilling of eleven holes (CB75 1-11) for 1,973 feet on the Glover zone on the HEK claim.

In 1983, Grand Forks Mines, under option from Consolidated Boundary Exploration and as operator completed an exploration program of geological mapping, soil sampling, magnetometer surveys and trenching. The work was concentrated on the Glover zone.

In May, 1984, two diamond drill holes (CBG 85-102) were completed on the HEK claim. In 1986 nine drill holes were completed. The purpose of this report is to report on the results of the 1986 drill program.

RESULTS OF PREVIOUS EXPLORATION

T. Klobusicky reported on the exploration results to 1972 that:

1. Numerous anomalous areas were indicated from a 1966 I.P. survey. The readings ranged from two to three times that of background.
2. The geological environment is comparable to the geology of the gold and silver bearing copper ores of the Greenwood-Phoenix-Grand Forks mining district.
3. Diamond drill hole No. F-69-1 drilled to a depth of 389 feet encountered trace mineralization. Diamond drill hole No. F-69-2 intersected an estimated 18 feet (true width) of .30 oz. Au/ton, 3.75 oz. Ag/ton and .54% Cu. The length of the hole was 258 feet.

The Consolidated Boundary Exploration program results of 1975 - 1976 were as follows:

1. In the 1,973 feet of AQ drilling in 11 holes pertinent and significant intersections were obtained in six of the holes. The information on the holes is as follows:

<u>Hole No.</u>	<u>Dip</u>	<u>Depth (feet)</u>	<u>Intersection (footage)</u>	<u>Length (feet)</u>	<u>oz. Au/ton</u>
CB75- 1	-50	93	10 - 85	75	0.0732
CB75- 2	-90	39	0 - 34	34	0.2802
CB75- 3	-50	60	30 - 55	25	0.0924
CB75- 4	-50	45	0 - 23	23	0.164
CB75- 5	-45	100	no significant values		
CB75- 6	-70	245	no significant values		
CB75- 7	-50	340	60 - 89	26	0.200
CB75- 8	-50	442	160 - 169	9	0.088
CB75- 9	-50	112	no significant values		
CB75-10	-50	242	four feet of massive sulphides - no assays		
CB75-11	-50	255	no significant values		

The results of the 1976 Hecla exploration program are reported as follows:

1. The soil copper-gold geochemical results was reportedly unsuccessful in delineating known bearing areas.
2. The magnetometer survey revealed low to moderate magnetic variations. An extension of the magnetometer survey was recommended.

From the 1983 Grand Forks Mines - Consolidated Boundary results, geological mapping by D. Runkle, M.Sc., disclosed that mineralization is limited to Anarchist Group rocks.

Trenching and sampling of the Glover zone disclosed a correlation between gold and copper mineralization. A possibility of several similar parallel zone were indicated.

The soil geochemistry disclosed a small area of interest between the main (Glover) showing and the Simpson Mine on line 1400E.

The 1984 diamond drill hole particulars is as follows:

<u>Hole No.</u>	<u>Location</u>	<u>Dip</u>	<u>Bearing</u>	<u>Length (meters)</u>	<u>Intersection</u>
CBG 84-1	0+75N 3+80E	-50°	310°	65.2 m	.05 Au/ton over 1.5 m
CBG 84-2	0+74N 5+14E	-50°	120°	65 m	.027 oz. Au/ton over 1.2 m

REGIONAL GEOLOGY

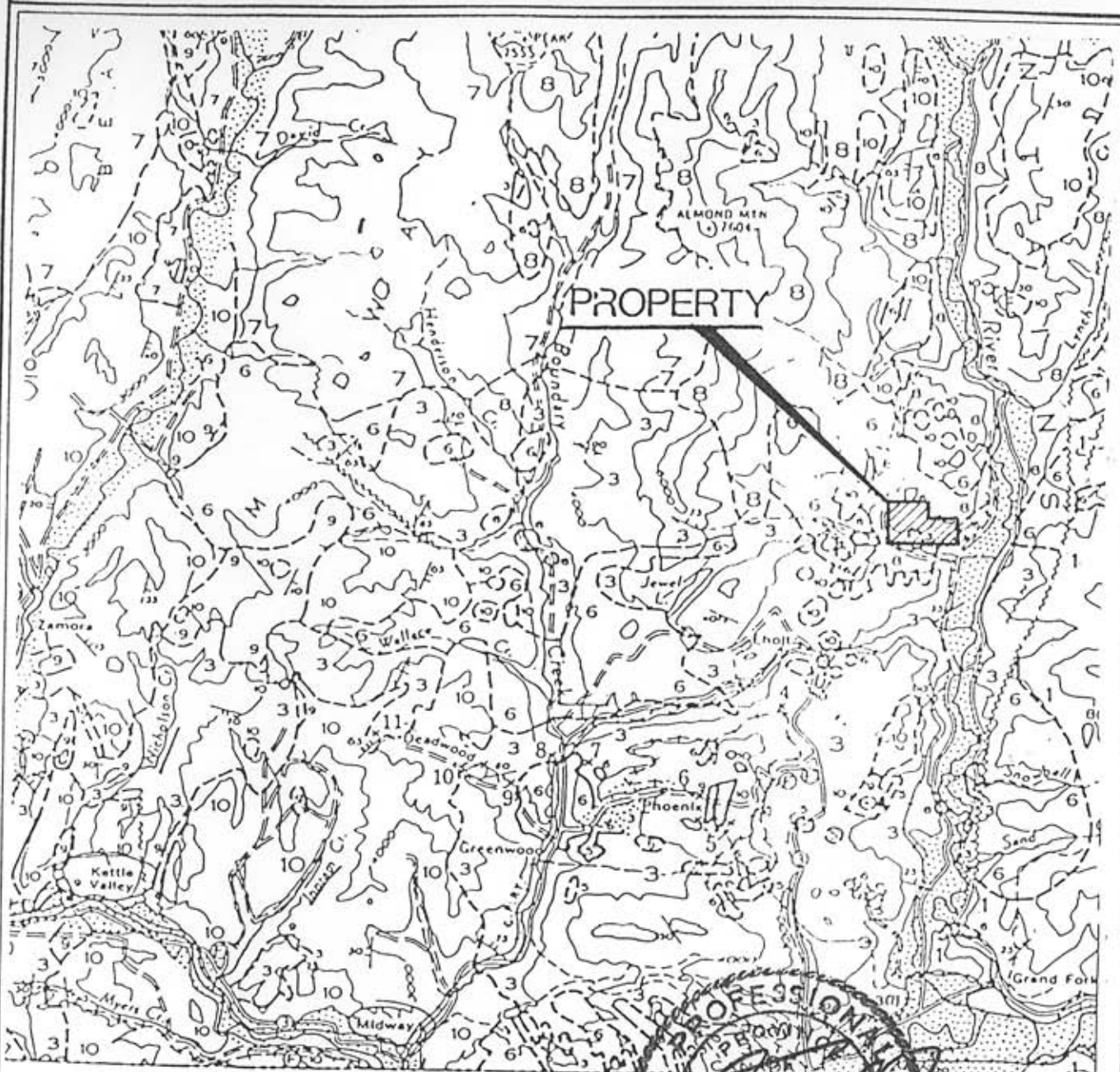
The general geology of the area is of Nelson, Coryell and Valhalla Intrusives to the north in contact with sedimentary rocks and greenstones (Anarchist Group) of Palaeozoic age to the south. Local to extensive areas of Intrusive also occur within the Palaeozoic rocks. Overlying are the Paleocene or Eocene Phoenix group of predominantly volcanics with minor tuffs and sediments and the Kettle River Formation of predominantly rhyolitic intrusives and flows in addition to local sediments.

The Anarchist Group consists very largely of highly metamorphosed sedimentary rocks but includes also altered greenstones and possibly also altered intrusive rocks. The sedimentary members of the group are the altered equivalents of quartzite, slate and limestone, micaceous quartzites, mica schists and crystalline limestone. The sheared greenstones possibly represent both intrusive and extrusive types.

A second group of rocks within the Anarchist series are light grey, granitic rocks, quite generally gneissic, the outcrops of which have in some cases a slightly rusty appearance. Quartz and microcline predominate with orthoclase and albitic oligoclase generally present. These granitic rocks are intrusive into the schists of the Anarchist series.

Another group of rocks within the Anarchist series consists of sheared basic intrusives which can in local areas be represented as serpentine with considerable pyrite development in association with shear zones.

Feldspar porphyry "dykes" are also common. The rock is described as a "pale pink to flesh colored, fine grained rock with granitic texture. Quartz is fairly common and feldspar, shreds of biotite, hornblende, small individuals of apatite and some iron ore make up the balance of the rock."



PUBLISHED, 1957

45'



FIGURE 3

SOOKOCHOFF CONSULTANTS INC.			
CONSOLIDATED BOUNDARY EXPLORATIONS LTD. & GRAND FORKS MINES LTD.			
HEK PROPERTY			
N.T.S. 82E-1W		GREENWOOD M.D., B.C.	
REGIONAL GEOLOGY			
SCALE: AS SHOWN	DATE: Jan. 1987	N.T.S. 82E-1W	DRAWN BY: GEO-COMP
			FIGURE: 3



The Coryell Intrusives are reddish to buff syenite that grade locally into granite or shonkenite. Some of the smaller bodies are composed of augite monzonite or olivine syenite.

On the Pathfinder workings within one km east of the HEK group there are reportedly four distinct veins "running parallel and from eight to twenty-one feet in width. There are good showings on all the veins."

PROPERTY GEOLOGY

From a detailed geological program carried out by Hecla in 1976 the geology of the HEK claim is described by Ostensoe and Kruchkowski as follows:

"The geology of the HEK claims is dominated by a comagmatic assemblage of alkalic rocks intrusive into and bordered by granite and by siliceous volcanic and sedimentary rocks. The latter rocks are generally weakly pyritized and in an area just east of Glover Creek contain zones of abundant to massive iron sulphides and traces of chalcopyrite and gold."

"There is little doubt that assimilation has occurred. Most structural and textural details have been erased by metamorphism but an overall east-west trend is evident both in distribution of sedimentary rock units and in their remnant internal structures. Heavy sulphide mineral concentrations are attributed to contact metamorphism of favourable metal rich beds by the intrusive events. At the Simpson-Zucco Mine a small quantity of gold-base metal ore was formed in a structural trap in a dyke-riddled bedded sequence."

In a geological mapping program performed in 1983, D. Runkle reports that:

"Geological mapping on the property has recognized three major rock units: Permian(?) Anarchist Group meta-sedimentary and metavolcanic rocks; Paleocene(?) Coryell Intrusions, primarily syenite, grading to other phases; and Phoenix Volcanics, consisting of andesite, trachyte,

occurs at the tops of volcanic flows, specifically the altered (skarn/silica) tips and edges. Mapping is in progress to delineate the Anarchist flows, and locate the tops. It appears that rocks previously mapped as Nelson diorite, are actually coarser portions of the Anarchist flows, and that they may be more extensive than previously thought."

"A trench adjacent of DDH 75-1, 2 & 4, cuts across syenite, fine grained porphyritic andesite, fragmental andesite, gray tuff, and green felsite tuff containing sulphide mineralization. Initial sampling of the trench yielded disappointing results, but did show up the correlation between gold and copper mineralization in this location. An additional twenty-eight samples were taken to test the mineralization in the trench, and are plotted on the accompanying figure. The most concentrated mineralization in this location. An additional twenty-eight samples were taken to test the mineralization in the trench, and are plotted on the accompanying figure. The most concentrated mineralization in the trench occurs in the upper portion of a resistant felsite unit. The rock is a medium to light gray, hard, brittle, extremely fine-grained felsite tuff with 1% fine disseminated pyrite and little evidence of mafic minerals in the lower section. The upper, mineralized section, contains secondary biotite, garnet and small clots of pyrite, pyrrhotite and minor chalcopyrite. The entire unit has a greenish cast to it, indicating silicification and/or skarn alteration. It has an average thickness of at least 40 cm (the upper portion is partially eroded), and the mineralization is 15 to 20 cm thick. The lower contact is a shear that trends 025/53S. The remainder of the rock in the trench is primarily medium gray, very fine grained porphyritic andesite. Phenocrysts are feldspar, and the groundmass contains 1% disseminated pyrite. This rock is cut by numerous joint surfaces and shears, many of which are coated with limonite and perhaps ankerite. Some fractures are filled with calcite. Local areas contain thin veinlets of pyrite and very minor pyrrhotite. Immediately below the felsite, the andesite has been strongly sheared, and is very crumbly. Limonite coatings on fracture surfaces trace rounded areas that were perhaps originally fragments in a clastic volcanic flow. A minor portion of the trench is intruded by medium grained syenite of the Coryell Intrusions. The rock is predominantly potassium-feldspar with some quartz and very few mafic minerals.

Mineralization on the HEK Claim occurs as "veins" of massive pyrrhotite with accompanying pyrite and chalcopyrite in varying degrees and variable to no quartz.

The Simpson Mine zone is "a quartz filled shear zone in the Anarchist greenstone skarn area which has been mineralized with pyrite, pyrrhotite and chalcopyrite across a width of 100 feet or more". Former production from this area returned an average of 0.71 oz. Au/ton and oz.25 Ag/ton.

A second mineralized area is in part indicated by a gossan zone with "disseminated pyrite, pyrrhotite and chalcopyrite within quartz diorite over an area of 500 feet by 1,000 feet".

1986 DIAMOND DRILL PROGRAM

From May to August, 1986, nine diamond drill holes were completed for a total of 783 meters (2,569 feet). The purpose of the drill program was to test the Glover zone, a westerly extension of the main zone. A previous drill hole on the Glover zone returned .30 oz. Au/ton over a 30 foot intersection.

Particulars of the 1986 drill holes are as follows:

D.D.H. No.: H 86-1
Bearing : 220°
Dip : -55°
Length : 87.5 m (287 feet)

Results:

The hole was predominantly in greenstone and skarn with variable disseminated pyrite throughout the section. The skarn contained heavier pyritic sections with the most significant assay value of .031 oz. Au/ton across three feet (one meter). The purpose of the drill hole was to test a massive sulphide zone exposed within Glover Creek 40 meters at 240° from the collar of H 86-1. The massive sulphide zone was not intersected.

D.D.H. No.: H 86-2
Bearing : 240°
Dip : -60°
Length : 57 m (187 feet)

Results:

A four meter (13 foot) section of massive sulphides was intersected between the 41.1 and 45.1 meter interval. The section assayed a weighted average of 0.176 oz. Au/ton across four meters, with a 1.2 meter section returning .330 oz. Au/ton. The sulphide section is enveloped by a skarn.

D.D.H. No.: H 86-3
Bearing : 240°
Dip : -70°
Length : 56.5 m (185 feet)

Results:

This hole was steepened to intersect the H 86-2 sulphide zone to greater depth in order to determine the continuity of the zone. A 6.2 meter intersection of sulphides was obtained which assayed weighted of .259 oz. Au/ton. The zone was intersected eight meters below the H 86-2 intersection.

D.D.H. No.: H 86-4
Bearing : 240°
Dip : -70°
Length : 65.5 m (215 feet)

Results:

The purpose of drill hole H 86-4 was to determine the vertical continuity and tenor of the massive sulphide zone. A sulphide zone was intersected 10 meters below the H 86-3 intersection. The zone locally contained up to 50% sulphides and assayed a weighted average of .083 oz. Au/ton over a 7.6 meter interval.

D.D.H. No.: H 86-5
Bearing : 270°
Dip : -60°
Length : 72 m (237 feet)

Results:

Drill hole H 86-5 was spotted and drilled to determine the horizontal continuity of the sulphide zone. The zone was intersected 10 meters along strike to the northwest and assayed .216 oz. Au/ton over a 3.4 meter interval.

D.D.H. No.: H 86-6
Bearing : 270°
Dip : -75°
Length : 100 m (327 feet)

Results:

Drill hole H 86-6 was to test for the down dip continuity of the H 86-5 intersection. The zone was not intersected, however, anomalous values in gold were obtained within a skarn zone.

D.D.H. No.: H 86-7
Bearing : 210°
Dip : -60°
Length : 54.5 m (179 feet)

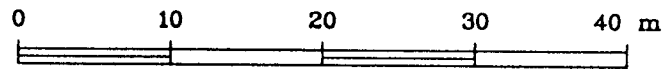
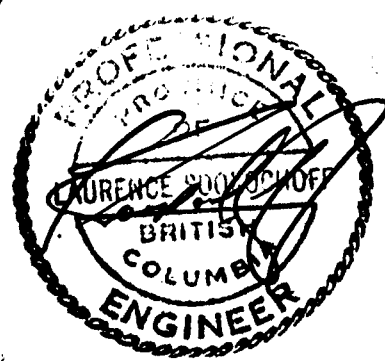
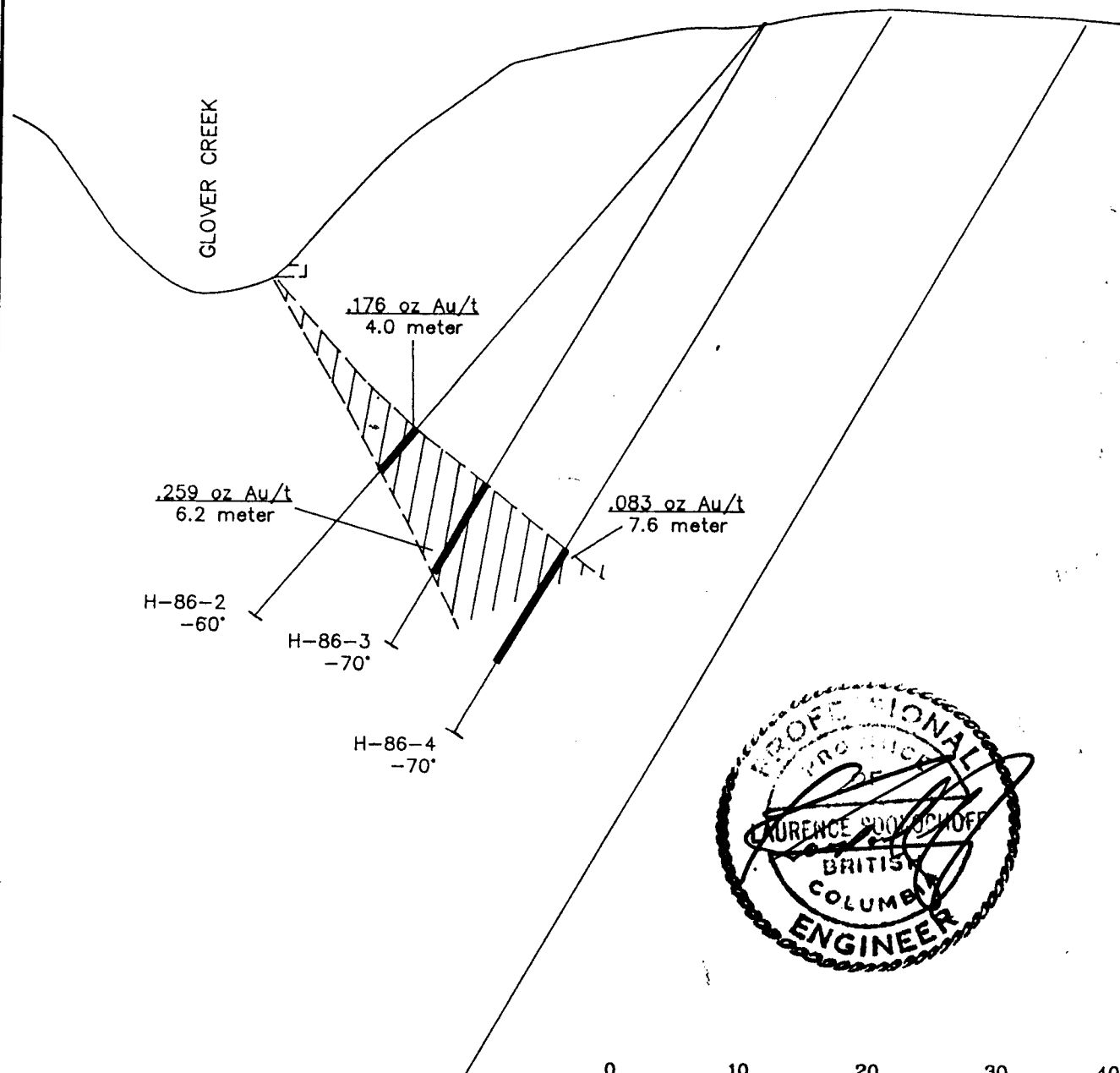
Results:

The purpose of H 86-7 was to test for the mineralized zone intersected in H 86-4. A three meter zone of 10% pyrite was intersected which could indicate the eastern extension.

D.D.H. No.: H 86-8
Bearing : 013°
Dip : -50°
Length : 108.5 m (356 feet)

Results:

Drill hole H 86-8 was to test a Max-Min anomaly north of the Glover Zone along the east side of Glover Creek. A dacitic zone



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 HEK PROPERTY
 GREENWOOD M.D.
 SECTION: MASSIVE SULPHIDE ZONE

Geo-Comp Drawing File: HEK\SECT

SCALE: 1:500	DATE: Jan. '87	N.T.S. 62E/1W	DRAWN BY: GEO-COMP	FIGURE:
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of fine disseminated pyrite was intersected in addition to a local zone of light sulphide banding. The highest assay was 100 ppb Au across 1.5 meters. The cause of the Max-Min anomaly is possibly due to the disseminated sulphides.

D.D.H. No.: H 86-9
Bearing : 360°
Dip : -50°
Length : 182 m (596 feet)

Results:

The drill hole tested a Max-Min anomaly west of Glover Creek. Light locally banded pyrite in addition to variable dissemination of pyrite occurs over a 30 meter length within a dacite. More significantly local banding of sulphides occur within a meta andesite to a drilled depth of 138 meters. The hole was terminated within a syenite and syenodiorite with local sections of meta andesite. The highest assay was a 1.5 meter section of 110 ppb Au. A lower section was significant in that a 1.3 meter interval assayed 98 ppb Au and 4953 ppm Zn within a banded sulphide zone.

The drilling was carried out by Consolidated Boundary Exploration Ltd. The core was logged by L. Sookochoff, P. Eng. with pertinent sections marked for splitting.

Sections of massive sulphides or heavily disseminated sulphides were split with half sent for assay and half retained in the core box for future reference.

The split section intervals, were placed in a plastic sample bag with a duplicate numbered tag for reference and sent for assay.

Local sections of unsplit core (grabs) were also sent for assay to check for gold values in lightly mineralized (pyrite) or altered zones. These core pieces were referenced as to hole number and footage. i.e. 86-9-409

All samples were assayed for gold with massive sulphide sections also assayed for silver and copper. The local pieces of core were assayed as rock geochem for 30 elements by ICP.

The assaying was performed by Acme Analytical Laboratories of Vancouver by the following procedure:

The drill core samples were crushed and pulverized to -100 mesh. A .50 gm sample is digested with 3 ml of 3:1:3 HCl:HNO₃:H₂O at 90°C for one hour. The sample is diluted to 10 mls with water. Elements analysed by AA:Cu, Ag, Au*.

Au* - 10 gm, ignited, hot aqua regia leached, MIBK extraction, AA analysis.

DISCUSSION

Drilling on the Glover zone resulted in the intersection of a zone of massive sulphides bearing significant gold values. The zone is indicated to trend west north-westerly with a steep dip to the northeast. It appears that three holes along a vertical plane (H 86-2, 3 & 4) extended the zone 33 meters along dip with the zone increasing in width with lower gold values down dip. The extension of the zone was intersected 10 meters to the northwest (H 86-5) where gold values of .216 oz./ton indicate a possible plunge to the northwest. The plunge is substantiated from the lack of intersections by H 86-1 and 86-7 along the southeast extension.

The two drill holes (H86-8 & H86-9) that tested the Max-Min anomalies indicated disseminated pyrite and more significantly volcanogenic sulphides indicated as banding along bedding planes. Drill

hole H 86-8 indicated minimal banding whereas H 86-9 manifested a substantial interval of locally banded sulphides from 71 meters to 138 meters with intervals of syenite resulting in metamorphic pyrite - as disseminations - throughout the section.

CONCLUSIONS

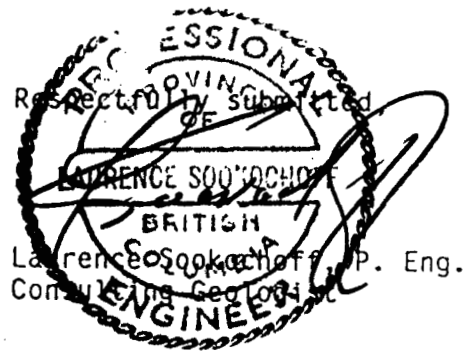
A massive sulphide zone assaying up to .259 oz. Au/ton across an interval of 6.2 meters has been located at Glover Creek. This zone designated as the Glover zone trends northwesterly, is open to depth and to the northwest and appears to terminate to the southeast. the zone is indicated to widen with lower gold values at a depth of 33 meters and appears to plunge to the northwest. The bounding intersections delineate a 33 meter by 10 meter massive sulphide zone. More significantly, a zone of volcanogenic sulphides is located north and west of the Glover Creek massive sulphide zone.

The zone appears to increase in zinc (up to 4, 953 ppm) to the west with consistently anomalous gold (up to 110 ppb) values. The encouraging features of the Glover Creek area is in the potential of delineating a volcanogenic-related zone with economic copper-zinc-gold-silver values.

RECOMMENDATIONS

It is recommended that an IP survey be carried out to the west of Glover Creek to locate anomalous areas that may indicate increased metal values in a volcanogenic environment. Drilling of the anomalous zones would follow.

Diamond drilling if the massive sulphide zone should also continue to delineate the zone to the northwest and to depth.



January 27, 1987
Vancouver, B.C.

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HEK CLAIM GROUP
1986 ASSESSMENT REPORT
DIAMOND DRILLING PROGRAM
AFFIDAVIT OF EXPENSES

The diamond drilling of the two holes on the HEK claim group was carried out from June 1, 1986 to December 3, 1986 to the value of the following:

2,569 feet BQ core @ \$20.00	\$51,380.00
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CERTIFICATE

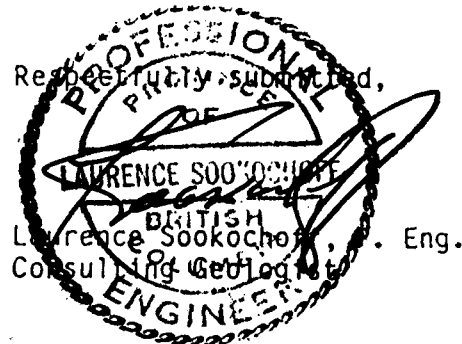
I, LAURENCE SOOKOCHOFF, of the City of Vancouver, in the Province of British Columbia, do hereby certify;

That I am a Consulting Geologist and principal of Sookochoff Consultants Inc. 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 twenty 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 and from the supervision of the drilling program reported on herein.
5. I have no direct or indirect interest whatsoever in the property described herein, nor in the securities of Grand Forks Mines Ltd. and do not expect to receive any interest therein. I am a director of Consolidated Boundary Exploration Ltd. and own more than 5000 shares.

Dated at Vancouver, British Columbia this 27th day of January, 1987.



APPENDIX I

ASSAY CERTIFICATES

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

DATE RECEIVED: MAY 9 1986

DATE REPORT MAILED: *May 12/86*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU: 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

SOOKOCHOFF CONSULTANT

PROJECT - HEK FILE # 86-0657

PAGE 1

SAMPLE#	Ag	Au
	OZ/T	OZ/T
0651	.01	.005
0653	.06	.008
0654	.04	.001
0655	.02	.003
0656	.01	.001
0657	.01	.001
0658	.02	.001
0659	.01	.001
0660	.01	.001
0661	.01	.001
0662	.10	.001
0663	.13	.001
0664	.08	.001
0665	.02	.001
0666	.04	.001
0667	.02	.001
0668	.02	.004
0669	.01	.001
0670	.01	.001
0671	.01	.003
0672	.01	.007
0676	.01	.001

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

DATE RECEIVED: MAY 7 1986

DATE REPORT MAILED: *May 9/86*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU: 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

KOFF CONSULTANT PROJECT - HEK FILE # 86-0647 PAGE 1

SAMPLE#	Cu %	Zn %	Ag OZ/T	Au OZ/T
0652	.27	.02	.42	.031
0673	.30	.04	.63	.157
0674	.17	.05	.42	.047
0675	.30	.02	.68	.330

ME ANALYTICAL LABORATORIES LTD.
2 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
ONE 253-3158 TELEX 04-53124

DATE RECEIVED: MAY 21 1986

DATE REPORT MAILED: *May 22/86*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU: 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

SOOKOCHOFF CONSULTANT

PROJECT - HEK FILE # 86-0725

PAGE 1

SAMPLE#	Cu	Ag	Au
	%	OZ/T	OZ/T
677	.08	.16	.003
678	.61	1.43	.299
679	.18	.33	.046
680	.24	.78	.228
681	.44	.58	.415
682	.41	.46	.042
683	.03	.09	.043

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

DATE RECEIVED: MAY 26 1986

DATE REPORT MAILED: *June 3/86*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU# 10 GRAM REGULAR ASSAY

ASSAYER: *A. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER.

SOOKOCHOFF CONSULTANTS PROJECT - HEK FILE # 86-0809 PAGE 1

SAMPLE#	Cu %	Ag OZ/T	Au OZ/T
HEK 86-5 159-164	.20	.27	.038
HEK 86-4 164-169	.40	.68	.140
HEK 86-4 169-174	.22	.38	.039
HEK 86-4 174-179	.42	.77	.037
HEK 86-4 179-184	.47	.87	.049
HEK 86-4 184-192	.33	.76	.151
HEK 86-4 189-192	.14	.32	.031
HEK 86-5 189.2-194	.29	.37	.042
HEK 86-5 196.8-202	.29	.59	.055
HEK 86-5 202-205	.30	.56	.177
HEK 86-3 180-185	.01	.01	.001
HEK 86-5 174-196.8	.02	.12	.560
HEK 86-5 205-210	.07	.12	.004
HEK 86-5 219-223	.05	.08	.110
HEK 86-5 223-228	.05	.09	.009
HEK 86-5 228-232	.05	.08	.004
HEK 86-5 232-237	.01	.01	.001

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JAL 3-1-2 HCL-MNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR Pb, Fe, Ca, P, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Si, Zr, Ce, Sr, Y, Nb AND Ta. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 14 1986 DATE REPORT MAILED: *July 17/86* ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER.

SOOKOCHOFF CONSULTANTS PROJECT - HEI FILE # B6-1453

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Mg	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	W	Au1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	I	I	I	I	PPM	PPM
H-7-84A	8	20	22	18	.7	3	1	69	2.96	12	5	ND	3	40	1	2	2	56	.86	.165	12	17	.06	58	.12	7	.40	.12	.07	1	14
H-7-84B	1	14	2	73	.2	3	5	712	3.24	3	19	ND	9	62	1	2	2	80	.78	.092	19	12	.95	133	.28	6	1.47	.17	.80	1	8
H-7-84C	1	15	29	91	.1	16	6	721	2.91	4	8	ND	23	93	1	2	2	57	1.30	.118	68	38	.78	88	.19	7	.91	.10	.21	1	3
H-7-84D	9	2916	33	29	12.1	30	7	129	44.76	69	5	2	6	2	1	3	3	11	.03	.008	2	1	.10	5	.01	8	.27	.05	.03	1	750
76-11	1	40	10	28	.3	4	7	305	3.60	19	5	ND	2	56	1	2	2	61	1.39	.080	6	5	.36	45	.16	7	.57	.12	.20	1	33
76-11A	2	132	17	39	1.0	4	12	423	5.15	55	12	ND	2	71	1	2	2	48	1.70	.083	4	2	.43	27	.12	9	.59	.09	.05	2	80
86-3-127	1	37	11	47	.4	11	12	438	3.71	30	9	ND	2	51	1	2	2	81	2.05	.105	6	21	.84	24	.18	6	.70	.12	.05	2	27
86-4-98	1	14	31	175	.8	5	11	525	3.41	67	12	ND	2	63	1	2	2	42	5.06	.089	4	3	.29	11	.09	8	.73	.07	.03	1	50
86-4-85	6	14	3	34	.1	2	1	257	1.43	9	5	ND	7	17	1	2	2	7	.93	.015	14	2	.16	9	.06	5	.36	.06	.08	1	1
86-4-239	1	56	14	129	.7	14	16	532	4.81	46	5	ND	1	58	1	2	2	112	1.62	.123	7	30	1.26	32	.19	8	1.24	.14	.16	41	115
86-4-304	1	582	26	66	3.8	6	12	322	9.34	31	6	ND	5	42	1	2	2	11	.80	.016	9	6	.20	11	.04	2	.91	.07	.14	1	720
86-4-312	2	61	61	190	2.3	12	14	865	5.78	41	5	ND	2	79	1	2	2	161	2.30	.122	9	26	1.79	33	.16	9	1.50	.11	.19	1	150
86-7-184	2	80	9	96	.7	7	15	738	6.58	48	16	ND	2	76	1	2	2	103	3.15	.109	7	6	1.14	20	.17	7	1.25	.10	.04	1	36
STD C/AU 0.5	21	58	41	137	7.1	71	29	1117	3.94	35	21	7	34	68	18	16	20	69	.48	.107	37	59	.88	181	.08	39	1.73	.09	.13	14	500

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MM.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORES & ROCKS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 1 1986 DATE REPORT MAILED: *Aug 4/86* ASSAYER: *D. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER.

SOOKOCHOFF CONSULTANTS PROJECT - HEK FILE # 86-1786

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	W	Au#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
H-86-8-76	2	4	8	57	.1	2	2	663	2.70	3	5	ND	10	68	1	2	2	6	1.72	.023	18	1	.24	48	.01	7	.91	.07	.11	1	2
H-86-8-113	24	11	10	46	.1	1	2	520	2.38	4	5	ND	15	27	1	4	3	6	.65	.021	18	2	.17	14	.01	7	.69	.06	.14	2	3
H-86-8-116	3	14	10	112	.1	12	15	1281	5.28	2	24	ND	6	275	1	2	2	102	5.06	.294	48	12	2.05	50	.04	13	1.84	.09	.10	1	1
H-86-8-160	23	8	7	32	.1	2	1	526	1.95	2	5	ND	8	64	1	2	2	4	1.13	.017	18	2	.20	14	.01	6	.59	.08	.13	1	1
H-86-8-182	20	3	12	37	.1	1	2	639	2.11	11	5	ND	2	81	1	2	2	5	1.36	.022	7	2	.18	17	.02	5	.73	.09	.22	1	1
H-86-8-250	25	2	8	36	.1	1	2	394	2.32	3	5	ND	5	56	1	2	2	5	.84	.022	7	1	.24	8	.08	4	.54	.05	.07	1	5
H-86-8-275	21	12	4	33	.1	1	2	350	1.78	2	5	ND	6	31	1	2	2	4	1.00	.022	8	2	.29	15	.04	3	.47	.06	.11	1	5
H-86-8-282	4	30	15	120	.1	35	20	1057	5.11	14	9	ND	6	191	1	3	2	118	6.08	.248	34	130	2.73	113	.23	8	2.35	.07	.12	1	3
H-86-8-292	4	89	7	207	.4	28	10	667	6.16	5	7	ND	1	101	1	2	2	108	2.31	.119	5	34	5.27	209	.13	11	2.39	.06	1.94	1	7
H-86-8-298	10	74	9	25	.2	45	9	120	3.97	17	5	ND	2	45	1	3	2	61	.94	.159	11	21	.26	41	.09	7	.41	.08	.07	1	8
H-86-8-321	30	93	8	249	.5	71	11	108	3.81	18	5	ND	4	34	3	4	2	46	1.29	.108	11	11	.22	31	.08	8	.40	.06	.05	3	10
H-86-8-356	36	59	7	262	.2	17	8	501	3.03	13	5	ND	1	135	2	2	2	84	8.48	.114	8	25	1.14	7	.06	10	2.22	.06	.03	2	3
H-86-9-66	4	4	13	66	.1	1	2	755	2.43	2	5	ND	23	86	1	2	2	15	2.19	.056	61	1	.35	27	.01	5	.75	.08	.08	1	1
H-86-9-96	7	5	23	79	.1	1	2	276	2.65	2	5	ND	26	88	1	7	2	12	.27	.066	62	2	.45	33	.01	4	1.02	.06	.11	1	1
H-86-9-175	13	68	14	226	.4	49	10	473	3.76	41	20	ND	3	196	2	2	2	127	3.71	.178	14	37	.78	65	.08	7	.89	.08	.06	3	8
H-86-9-185	89	145	19	227	.6	100	29	563	6.32	171	43	ND	3	356	2	5	2	96	4.07	.116	20	31	.89	30	.01	7	1.10	.08	.08	1	12
H-86-9-190	5	23	10	36	.1	6	4	372	2.50	27	5	ND	18	144	1	2	2	33	1.95	.099	55	14	.72	50	.01	3	.98	.09	.10	1	1
H-86-9-226	35	5	10	47	.2	5	4	798	1.97	13	21	ND	15	632	1	2	2	29	8.24	.079	67	9	.63	32	.01	2	.92	.07	.08	1	1
H-86-9-242	7	52	14	153	.5	28	9	355	3.44	69	7	ND	3	114	1	2	2	123	3.53	.101	12	32	.59	51	.11	5	.67	.09	.06	1	14
H-86-9-247	18	64	16	352	.4	71	11	152	4.02	14	5	ND	3	40	3	3	2	66	1.37	.178	16	16	.25	36	.08	6	.38	.06	.03	3	3
H-86-9-284	23	83	17	889	.5	72	14	244	4.85	69	5	ND	2	89	7	2	2	87	1.53	.156	10	18	.33	64	.08	10	.96	.13	.05	6	4
H-86-9-306	11	70	20	475	.5	55	11	145	4.04	11	5	ND	4	34	4	3	2	55	.84	.126	16	13	.19	49	.10	6	.39	.08	.05	3	4
H-86-9-402	2	71	8	30	.3	47	18	297	3.64	12	5	ND	1	119	1	2	2	43	4.76	.109	5	30	.58	62	.08	5	.93	.25	.05	2	6
H-86-9-408	64	119	12	1082	.5	116	13	182	4.22	162	5	ND	4	57	10	3	3	285	1.47	.117	13	48	.45	43	.10	6	.67	.07	.04	8	20
5501	1	55	14	157	.1	22	30	950	5.43	10	25	ND	3	224	1	2	2	150	1.95	.171	13	25	1.22	40	.24	16	1.69	.13	.13	3	5
STD C/AU-0.5	21	60	42	137	7.3	73	30	1121	3.98	39	19	B	34	49	18	16	18	70	.48	.105	37	60	.89	184	.09	39	1.73	.09	.14	15	490

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 2ML 7-1-2 HCL-HNO3-H2O AT 45 DEE. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, F, CH, Pb, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NE AND TA. AU DETECTION LIMIT BY ICP IS 2 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 18 1986 DATE REPORT MAILED: *Aug 23/86* ASSAYER: *D. Jeps* JUDITH TOYE, CERTIFIED B.C. ASSAYER.

SOOKOCHOFF CONSULTANT PROJECT - HET FILE # 86-2107

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	Ks	V	Au	Ti	Sr	Ca	So	Et	V	Ca	P	Li	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
753	27	95	51	496	1.0	62	11	126	4.12	31	5	ND	1	51	4	2	2	89	2.79	.124	13	26	.30	39	.14	4	.60	.08	.04	1	108
754	4	36	22	141	.5	9	10	284	4.18	27	5	ND	2	57	1	2	2	44	2.45	.107	3	11	.27	45	.14	3	.65	.10	.05	1	110
755	19	77	46	234	.6	60	11	254	4.40	50	5	ND	4	159	2	2	2	62	2.55	.127	15	19	.29	53	.13	6	1.52	.20	.04	1	8
756	47	83	26	421	.5	82	12	227	4.66	26	5	ND	5	76	2	2	2	128	2.05	.140	21	34	.37	41	.13	4	.69	.10	.05	1	8
757	4	50	10	21	.5	27	12	306	2.13	12	5	ND	1	92	1	2	2	40	2.56	.137	9	19	.19	55	.12	4	.67	.12	.05	2	4
758	22	134	18	4953	1.6	68	15	374	5.76	22	5	ND	2	145	19	2	2	119	3.02	.120	6	71	1.12	31	.13	2	1.96	.21	.05	1	98

APPENDIX II
DIAMOND DRILL LOGS

PROPERTY HEK
 COMPANY Grand Forks Mines
Consolidated Boundary Exploration
 LOGGED BY L. Sookochoff, P. Eng.

HOLE NO. H 86-1
 BEARING 220
 DIP -55
 LENGTH 87.5 m (287 ft.)

LATITUDE _____
 DEPARTURE _____
 ELEVATION _____
 STARTED May 1, 1986
 FINISHED May 3, 1986

From feet	To	Recovery %	Description	Mineralization	Sample			Assays	
					Number	From	To	Width	Au
0	39		CASING						
39	60		GREENSTONE: w/ pinkish hyp. granular c.g. syenite sections @ 47-56.5; 57.5-60 45° contact; greenstone-massive prolific fine fels. & less amphib. phenos; lt qtz carb irreg vlets.	No sulphides					
60	82		MONZONITE: porph-prolific black pyroxene sub xls in an obscure aphanitic c.g. tex soft chloritic g.m.; lt flow banding @ 35°. Rare cal str @ 30°-40°	No sulphides					
82	94		GREENSTONE: lt silicified; mod lim on fr @ 45 & var. 91-94 laharic skarn 91' 8" q-carb @ 75° sharp contact @ 30°	Lt diss py	0651	91	94	3.0	.005 .01
94	111		GREENSTONE: porph w/ flow banded fels @ 30° 102.5-104 broken w/ cal str 108.5-109.5	Mod-lt py Lt diss py	0652	112	115	3.0	.031 .42
111	228		SKARN: laharic & gs, patchy pinkish & lt grn & occ diffuse epidote 112-115 soft broken, blackish meta-volcanics Granitic sections @: 126-1/2"; 132-1/2"; 133-1" @ 30°; 137-1" @ 25°; 192-193.5 @ 40°. 153- 1.0' pinkish q v @ 50° 179- syenite 6" @ 45° 194- pink c g syenite 1.0' @ 35°	10-15% f diss & patchy py	0653	115	121	6.0	.008 .06
					0654	121	126	6.0	.001 .04
					0655	126	131	5.0	.003 .02
					0656	163	167.5	4.5	.001 .01
					0657	167.5	170	2.5	.001 .01
					0658	170	174	4.0	.001 .01



COMPANY _____

LOGGED BY _____

BEARING _____

DIP _____

LENGTH _____

DEPARTURE _____

ELEVATION _____

From ft	To	Recovery %	Description	Mineralization	Sample			Assays		
					Number	From ft	To ft	Width ft	Au oz/t	Ag oz/t
			SKARN (cont'd) 213-218 laharic, mod epidote	mod diss py	0659	213	218	5.0	.001	.01
228	244.5		DACITE: gray to lt grn; f-mg; porph w/ lt-mod cal str	lt diss py	0660	218	223	5.0	.001	.01
244.5	287		SKARN: greenstone w/ rare pinkish cg cg syenite vl @ 25-35; 273-2"; 274-2".	up to 5% py loc	0661	282	287	5.0	.001	.01
			287 END OF HOLE							

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,066

COMPANY Grand Forks Mines
Consolidated Boundary Exploration

LOGGED BY L.Sookochoff, P.Eng.

HOLE NO. H 86-2

BEARING 240

DIP -60

LENGTH 57m (187 ft)

DATE 1/1

DEPARTURE _____

ELEVATION _____

STARTED May 3, 1986

FINISHED May 5, 1986

From feet	To feet	Recovery %	Description	Mineralization	Sample			Assays		
					Number	From	To	Width	Au	Ag
						ft.	ft.	ft.	oz/t	oz/t
0	38		CASING:							
38	40		PEBBLES							
40	61.5		GREENSTONE: w/ numerous cg veinlets syenite @50°; 45°; lt porph-fels pheno	lt-mod py						
61.5	65.5		SYENITE: allot granular texture; whitish-gray							
65.5	94.8		MONZONITE: porphyritic; black pyroxene xls in pinkish granular texture 77-87 broken brownish		0662	81.5	86.5	5.0	.001	.01
					0663	86.5	91.5	5.0	.001	.13
94.8	115		SKARN: patchy pink & white; epidote patches & stringers; grnstone frags	lt py in qtz-carb	0664	91.5	94.8	3.3	.001	.08
					0665	94.8	100	5.2	.001	.02
115	135		SKARN: hornfelsic; blackish-grn; f-mg w/ occ qtz str @ 45°; local heavy fine granular 130+ diffuse epidote	mod diss py	0666	100	105	5.0	.001	.04
					0667	105	110	5.0	.001	.02
135	148		MASSIVE SULPHIDE ZONE: w/ granular qtz & loc biotite; contact @ 60°	50-75% po,py & loc cpy	0668	110	115	5.0	.004	.02
					0669	115	120	5.0	.001	.01
148	187		SKARN: greenstone; sil'd & carb'd w/ granitic veinlets @ 60°-65°: 149- 1"; 149.5- 2"; 150-14"@ 45°; 154.6-1"@ 30°; 162'-variable & pinkish; 172'-1"@ 90°; 177-187 granular texture, pinkish, blebs epidote	lt-mod py	0670	120	125	5.0	.001	.01
					0671	125	130	5.0	.003	.01
					0672	130	135	5.0	.007	.01
					0673	135	140	5.0	.157	.63
					0674	140	144	4.0	.047	.42
					0675	144	148	4.0	.330	.68
					0676	148	153	5.0	.001	.01
			187 END OF HOLE							

PROPERTY HEK
 COMPANY Grand Forks Mines
Consolidated Boundary Exploration
 LOGGED BY L. Sookochoff, P.Eng.

HOLE NO. H 86-3
 BEARING 240
 DIP -70
 LENGTH 56.5m (185 ft)

LATITUDE _____
 DEPARTURE _____
 ELEVATION _____
 STARTED May 6, 1986
 FINISHED May 8, 1986

From ft	To	Recovery %	Description	Mineralization	Sample			Assays			
					Number	From ft	To ft	Width ft	Au oz/t	Ag oz/t	Cu
0	35		CASING								
35	56		GREENSTONE PORPHYRY: trachytic pyroxene & fels phenos @ 35 in an aphanitic fg gray-lt brownish matrix; limonite on fr plane 46-56 no fels & veins of syenite								
56	68		SKARN: laharcic; patchy amoeboid, pinkish, mottled 68-71 greenstone, pinkish; loc porph; pyrox phenos in a f-mg texture; qtz-carb to 71	lt-mod py diss & patches on fr							
71	87		MONZONITE: pinkish gray, seriate texture; lim on fr; loc porph; cal & black film on fr								
87	88.5	83-85: 6"	DACITIC GREENSTONE: tuffaceous shards; cal str parallel & @20°								
88.5	131.5		SKARN: silicified w/ occ granitic vl @ 90° & 60° & irreg; patchy pink w/ lt patches epidote & grnstone; rare qtz vl @ 40°; macro amoebic texture; 127+ less skarny; cherty grnstone	lt-mod py loc & on fr mod py	677	131.5	136.5	5.0	.003	.16	.08
131.5	157		MASSIVE SULPHIDE ZONE: 131.5-136.5 3% sul in sil'd grnstone 136.5-141.5 8% sul 141.5-145.5 25% sul w/ 1'+6" granite 145.5-151.5 20% sul in sil'd gs 151.5-157 60% sul & inc qtz rare banded sul @ 35° & 70°		678	136.5	141.5	5.0	.299	1.43	.61
157	185		157-162 75% sul; sharp cont @ 55° SKARN: greenstone w/ rare patches pink ; 182 END OF HOLE	2% sulphides	679	141.5	145.5	4.0	.046	.33	.18
					680	145.5	151.5	6.0	.228	.78	.24
					681	151.5	157	5.5	.415	.58	.44
					682	157	162	5.0	.042	.46	.41
					683	162	167	5.0	.043	.09	.03

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

16,066

COMPANY Grand Forks Mines
Consolidated Boundary Exploration

LOGGED BY L.Sookochoff, P.Eng

BEARING 270

DIP -60

LENGTH 72m (237 ft)

DEPARTURE _____

ELEVATION _____

STARTED May 18, 1986

FINISHED May 22, 1986

-1/2

From ft	To	Recovery %	Description	Mineralization	Sample			Assays			
					Number	From ft	To ft	Width ft	Au oz/t	Ag oz/t	
0	46		CASING:								
46	57		DIORITE: cg w/ black chloritic vl	lt diss py							
57	88		SKARN: laharic; pinkish & dk grn; rounded patches & irreg in a lt grn-gray matrix 67 qtz vl @ 25°&45°								
88	94		GREENSTONE: w/ qtz str								
94	116		GREENSTONE: porphyritic & tuffaceous; black shards 10% in an occ pinkish matrix; black chlorite-heavily on fr								
116	118.5		DACITE: gray fg-aph								
118.5	137		SKARN: laharic, pinkish & dk grn in a lt grn matrix 127.5 alaskite @ 40°4"								
137	189		137-139 diorite cg SKARN: greenstone to hornfelsic tex; dk grn in a lt grn matrix to reddish; occ vl alaskite to diorite; 171.5 2" @ 50°	mod diss py							
189	205		176-182 prolific fine vl qtz carb @ 50° 182+ spotty agglom tex SULPHIDE ZONE: 189.2-189.3	mod diss py		180	185	5.0	.001	01	.01
			189.3=189.7 sil'd zone; no sul	100% py lt cpy	0691	189.2	194	4.8	.042	.37	.29
			189.7-194	75-95% po							
			194 4" sil zone @ 10°	lt sul	0692	194	196.8	2.8	.560	.12	.02
			194-196.8 siliceous skarn zone; patchy ep in hfelsic tex	75-95% sul	0693	196.8	202	5.2	.055	.59	.29
			198.5-202	10% po lt cpy	0694	202	205	3.0	.177	.56	.30
			202-205								

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,066

COMPANY _____

LOGGED BY _____

BEARING _____

DIP _____

LENGTH _____

DEPARTURE _____

ELEVATION _____

From ft	To	Recovery %	Description	Mineralization	Sample			Assays			
					Number	From ft	To	Width ft	Au oz/t	Ag oz/t	
205	231		ALASKITE: washy mafic & peppery tex; obscure allot tex; var sil'd & loc carb w/ carb str	diss, blebs & patchy py	0695	205	210	5.0	.004	.12	.07
231	237		DIORITE: fg, blackish-gray; blebs hem; lt car'd; carb str @ 60°& var; contact zone 230-233 skarned	mod fg py cpy blebs & str	0696	219	223	4.0	.110	.08	.05
					0697	223	228	5.0	.009	.09	.05
					0698	228	232	4.0	.004	.08	.05
					0699	232	237	5.0	.001	.01	.01
			237	END OF HOLE							

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,066

COMPANY Grand Forks Mines
~~Consolidated Boundary Exploration~~
 LOGGED BY L.Sookochoff, P.Eng.

BEARING 270
 DIP -75
 LENGTH 100m (327 ft)

DEPARTURE _____
 ELEVATION _____
 STARTED May 22, 1986
 FINISHED May 25, 1986

From ft	To	Recovery %	Description	Mineralization	Sample			Assays	
					Number	From	To	Width	Au
0	42		CASING						
42	94		SKARN: occ laharic; lt patchy pink & lt grn mod qtz carb vl @ 35°50°; carbonated	lt diss py to loc mod					
94	145.5		MONZONITE: pinkish; loc porph w/ pyroxene phenos; fg grayish; seriate tex; chloritic matrix; lt ep along fr; fels & pyroxene phenos for 2' @ contact 119.5-121.5 chloritic diorite contact @ 30° & 70° 126.5-145.5 diorite	mod py mod-lt py					
145.5	213		SKARN: greenstone; dacitic w/ loc laharic w/ pink extended frags 169.5-172 monzonite; lt chlorite w/ seriate s&p tex; lt pyrox & fels 182 mod ep assoc w/ syenite @ 35° 182-183 heavy skarn 183-184 syenite @ 80° 188-192 blackish grnstone; lt fels	lt py lt py					
213	222		MONZONITE: pinkish fg w/ pyrox phenos						
222	238		SKARN: grnstone w/loc patches ep & pods; mod qtz-carb str						
238	246		SKARN: hornfelsic w/ pinkish sec; carb'd vl alaskite 1" @ 75°	mod diss py & lt cpy					
246	251		SYENITE: allot tex; chloritic	mod-lt fg py on fr					
251	274		PULASKITE: gray w/ euhedral fels phenos						
274	327		SKARN: mod laharic; loc hornfelsic; mod ep 299-302 diorite 314-316 s&p syenite	loc str & p py					

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

16,066

COMPANY Grand Forks Mines
Consolidated Boundary Exploration

LOGGED BY L.Sookochoff, P.Eng.

BEARING 210

DIP -60

LENGTH 54.5m (179 ft)

DEPARTURE _____

ELEVATION _____

STARTED May 26, 1986

FINISHED May 29, 1986

From	To	Recovery %	Description	Mineralization	Sample			Assays	
					Number	From	To	Width	Au
ft						ft	ft		
0	60		CASING						
60	62		GREENSTONE: w/ gray-grn shards						
62	87		MONZONITE: porph w/ black pyroxene phenos pinkish; lt carb; black chlorite on fr & occ lim; fg on contact for 3';						
87	114.5		SKARN: laharic; pinkish & lt grn patches in grn chl & sil carb matrix 91-94 dirty brn qtz; broken 106.2 hornfelsic, dk reddish						
114.5	125		SULPHIDE ZONE: cont @ 50°	10% py	0751	114.5	120	5.5	
125	139		SKARN: grnstone; loc pinkish, gray, sil'd		0752	120	124.5	4.5	
139	166		DIORITE: meta; m-fg; soft; lt gray	lt py on fr					
166	179		SKARN: laharic						
			179 END OF HOLE						

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,066

COMPANY Grand Forks Mines
Consolidated Boundary Exploration

LOGGED BY L.Sookóchoff, P.Eng.

BEARING 013

DIP -50

LENGTH 108.5m (356 ft)

DEPARTURE _____

ELEVATION _____

STARTED July 22, 1986

FINISHED July 27, 1986

From ft	To	Recovery %	Description	Mineralization	Sample			Assays	
					Number	From ft	To ft	Width ft	Au ppb
0	24		CASING						
24	285		SYENITE: pinkish-white; cg, hyp-gran tex; fr @ 40°; mod chl on fr; loc chlorite str & fels vl @ 15°; loc brecc'd & healed w/ chlorite .lim on fr						
			66-68 fg dacite	py str @ 15°	76	grab			
			76-81 soft, broken						
			91 series of fr @ 40° w/ chlorite contact @ 45 ; sharp unaltered						
			Andesite @ :						
			116-119; 123-125.5 cont @ 05° & 70°		113	grab			
			131 6" @ 45°; 144-152 cont @ 50° & 05°	lt diss py	116	grab			
			red hem in and & ep in syenite	mod diss fg py	160	grab			
			205-208 dacite cont @ 75° & 75°	on fr	182	grab			
			226 chlorite @ 35°; mod rhem	mod py					
			236+ chlorite on fr @ 10°	blebs py on fr					
			245+ more py & ep blebs						
			251 diffuse tex-porph appearance	general disspy	250	"			
			more mafic alt'n; ep assoc w/ hbl	py assoc w/maf	275	"			
			282 fuchsite patches		282	"			
			285 contact @ 15°						
285	356		DACITE: lt gray; v fine gr w/ anhedral fels phenos	lt-heavy f dis					
			292-293 sugary qtz & brn biotite	py & occ str	292	"			
			304 4" syenite @ 15°	lt py	298	"			
			314-315 syenite @ 40°; sharp unalt'd con						
			340+ greater calcite	lt sulphide					
				banding @ 42°	0753	321 326	5.0	108	1.0
					321	grab		10	.5
					356	"		3	.2
			356 END OF HOLE						

PROPERTY Hek.
 COMPANY Grand Forks Mines Ltd.
Consolidated Boundary Exploration Ltd.
 LOGGED BY L. Sookochoff P. Eng.

HOLE NO. H 86-9
 BEARING 360
 DIP -50
 LENGTH 182m (596ft.)

LATITUDE 217.5 N.
 DEPARTURE 500 E.
 ELEVATION 3375
 START July 28, 1986
 FINISH August 10, 1986.

From feet	To	Recovery %	Description	Mineralization	Sample			Assays				
					Number	From	To	Width	Au ppb	Ag ppm	Cu	
0 - 10			CASING.									
10 - 173			SYENITE: Pink, graphic texture, f.g., sub hbl xls in a matrix of pink graphic amoebic fels. xls. chlorite on most fr.+ as occ. str. Lt. alt'n of 44+ porph tex w/ fine biotite 57+ trending to pinkish grey w/ green alt'n of fels + str q. carb. occ. to mod. @ 35'+ var. 86 + argillic alt'n to mod. clay minerals, lt-grey porph grey green, fels phenos str. q carb. + v.l @ 25-35° 104+ arg. alt'n to clay soft friable. 122-173 heavy arg'c alt'n w/ 40% mafics; trending to pinkish @ 129+; granular tex cont @ 40°	lt. diss + blebs py. rare py. lt. diss py.								
173	334		DACITE: porph fg to aphanitic gray matrix w/ variable irreg amoeboid fels up to 1/2"; var hbl. 193-198 occ porph 198-233 porph; loc brecc'd 231-233 cont @ 10° 300-305 silic's; laharic; cont @ 45° 306 prolific f diss py @ 30°	lt diss py & blebs loc heavy diss 275 loc banded sul @ 10°	175 185 190 226 242 247 284 302 306		grab " " " " " " " "	8 12 1 1 14 3 4 9 4	.4 .6 .1 .2 .5 .4 .5 .6 .5			

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,066

COMPANY _____

BEARING _____

DEPARTURE _____

2/2.

LOGGED BY _____

DIP _____

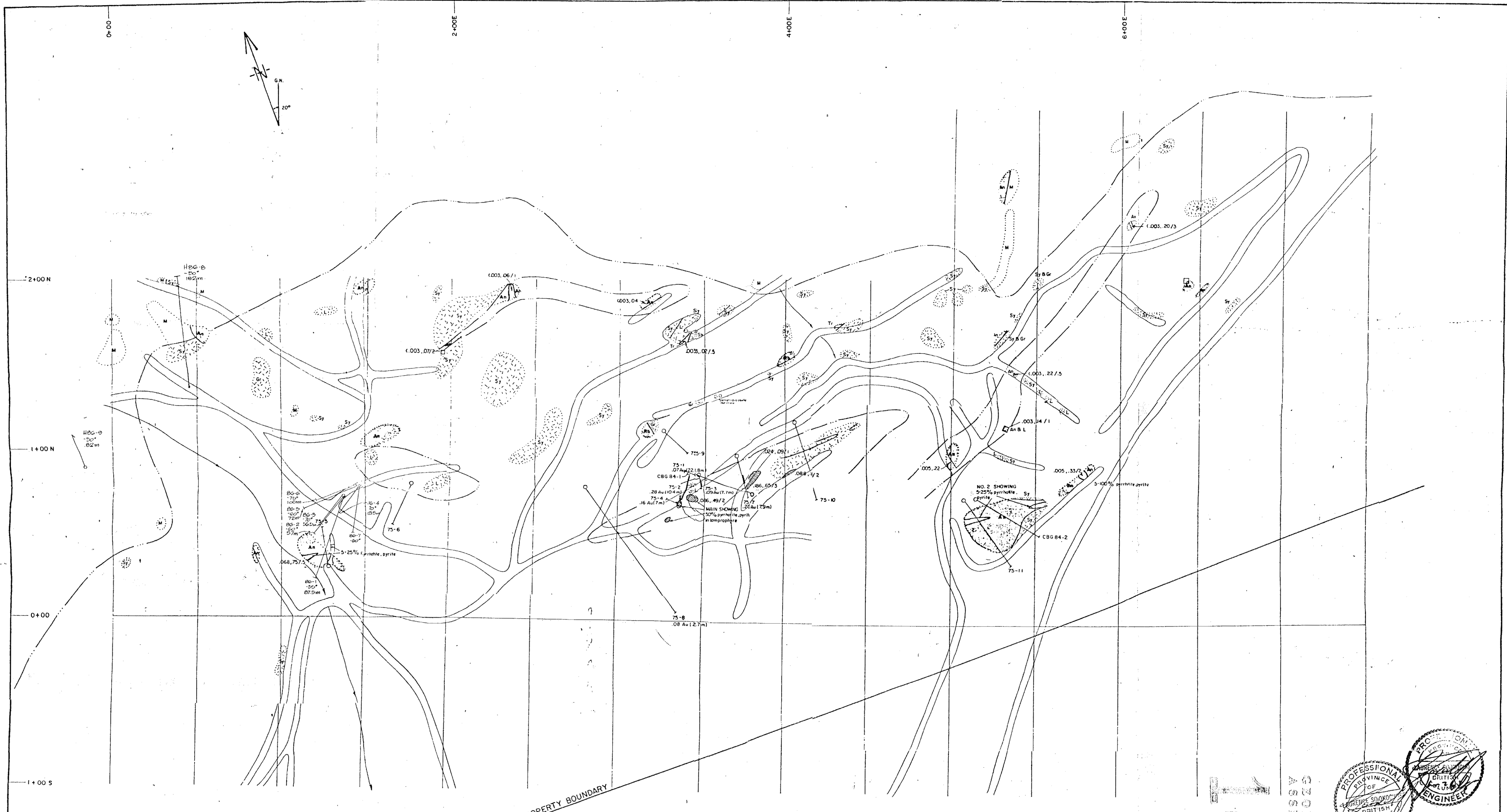
ELEVATION _____

LENGTH _____

From	To	Recovery %	Description	Mineralization	Sample			Assays			
					Number	From	To	Width	Au	Ag	Zn
							ft		ppb	ppm	
334	344		321 banded @ 15° cont @40° SYENITE SCHIST: irregular & disc bands of chloritic syenite	lt sul banding & irreg patches from 233 lt blebs py, po on fr	0756	321	327	6.0	8	.5	
344	352		SYENITE: hornblende; cg		0757	339	344	5.0	4	.5	
352	377		GREENSTONE TUFF: grn chloritic aph matrix w/ fels phenos; rare ep blebs syenite @: 359-360 @ 40°; 366.5-367 @ 40° 371-372 @40°.	occ lt py	0755	395	400	5.0	8	.6	
377	453		META ANDESITE: chloritic, graphitic; lt graph on fr planes @ 40°; massive w/carb str; loc var brec'd 430-453 lt banding; sil'd; skarny; pinkish massive & macro brecc'd	occ py blebs & disc str loc banded sulph and/or flowage tex & banded @20-25°	0766	400	405	5.0	110	.5	Zn
					402			grab	6	.3	ppm
					408			grab	20	.5	1082
453	539		451-456 SYENITE: hbl; white-gray fels; fr @ 45; 60; 20° lt prop alt'n 500-510 fg peppery tex 510-514 meta andesite & grnstone 520-539 same w/pinkish cg & fg syenite	loc 1" massive po w/py @25° and gen sul on fr occ mod py on fr @ 45°	0758	451	456	5.0	98	1.6	4953
					466			grab	85	.6	
539	596		SYENODIORITE: meta; mod prop alt'n to chlor & biotite; increasing alt'n & pinkish & lt grn to end of hole	lt py on fr & diss lt diss py	566			grab	6	.1	

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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PROPERTY BOUNDARY

- LEGEND**
- | | | | |
|----|-------------|------|--|
| | UNIT 1 | | CUT, ROAD |
| An | Andesite | | PIT |
| RN | Rhyolite | | DIAMOND DRILL HOLE |
| Tr | Trachyte | | OUTCROP |
| | UNIT 2 | | GEOLOGICAL CONTACT |
| M | Monzonite | | MINERALIZED ZONE |
| | UNIT 3 | | 005.33/2 Au (g/ton), Ag (g/ton) / length in metres |
| Sy | Syenite | 75-8 | DRILL HOLE NR. CB 75-8 |
| Gr | Granite | | |
| A | Alaskite | | |
| L | Lamprophyre | | |

16,066

GEOLOGICAL BRANCH
ASSESSMENT REPORT

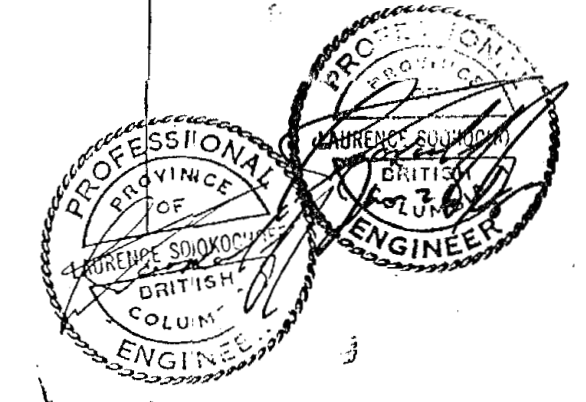


FIGURE 6

SOOKOCHOFF CONSULTANTS INC.
 CONSOLIDATED BOUNDARY EXPLORATIONS LTD
 & GRAND FORKS MINES LTD
 HEK PROPERTY
**DIAMOND DRILL HOLE
 LOCATIONS**

NTS. 82E-1W GREENWOOD M.D., B.C.
 SCALE 1:1000 JAN. 1987

BASE MAP AFTER DOLMAGE CAMPBELL 1980
 MASTER GRID LOCATION ON FIGURE 4