



32E04NE0050 2.11775 ABBOTSFORD

010

ASSESSMENT REPORT, 1987
ABBOTSFORD TOWNSHIP PROJECT, ONTARIO

NTS: 32E4

APRIL, 1988

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MINING LANDS SECTION

R. Clark
Inco Gold Company
Copper Cliff, Ontario
March, 1988



32E04NE0050 2.11775 ABBOTSFORD

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1.0 INTRODUCTION

1.1 Property

The Abbotsford property consists of seventy (70) contiguous claims as listed below:

917896 - 917933
918134 - 918165

1.2 Location and Access

The Abbotsford block is located roughly 111 km east of Cochrane and 100 km north of Kirkland Lake, Ontario (Figure #1), in southwestern Abbotsford Township, Burntbush - Detour Lake area, NTS: 32E4.

Access to the block is gained by lumber haulage roads running north from the Abitibi Paper Company Limited's Trans Limit Road connecting Cochrane, Ontario and St. Lambert, Quebec. The haulage road is negotiable by truck north to Hepburn Creek beyond which an all terrain vehicle is required.

1.3 History

The Burntbush - Detour Lakes area was sporadically explored from 1912 when gold was first reported from the Patten River. Nothing of significance was found at this time. Interest in the area was restored with the 1925 discovery of a base metals deposit at Normetal Quebec. Base metal exploration dominated the area until 1974 when Amoco Canada Petroleum Ltd. discovered gold north of Detour Lake. With the discovery of Casa-Berardi in the 1980's much of the belt was staked.

Several companies held property in the area of the present Canico holdings during the mid 1970's. Work conducted at that time included geophysics and follow-up diamond drilling. The anomaly pattern throughout the area is consistently of linear conductors trending in a northwest direction. These conductors are parallel to the interpreted strike of stratigraphy suggesting stratabound mineralization. Follow-up drilling has explained these anomalies as being long linear zones of massive pyrite and pyrrhotite. In each case the gold assays were discouraging.

In September of 1986 Canico staked a total of three hundred and twenty (320) claims located in Abbotsford, Adair, Hepburn and Kenning Townships. The areas targeted for exploration were those interpreted to have similar geology to the Casa-Berardi area or were underlain by major faults.

1.4 Summary of Exploration

In September of 1986, seventy (70) claims were staked by Canico in southeastern Abbotsford Township.

From September 15 to October 1, 1986, a two man crew mapped the geology along the claim boundaries of the Abbotsford property and prospected all lithologies.

During the winter of 1986 a grid was cut over part of the Abbotsford property. A 1.7 km baseline was established at an azimuth of 115 degrees with perpendicular cross lines turned every 100 metres for a total length of 45 line kilometres. Following the completion of the grid, a geophysical survey was conducted which consisted of a Total Field Magnetic Survey and a Horizontal Loop E.M. Survey. During the early summer of 1987, a total of eighteen (18) reverse circulation drill holes was drilled on the Abbotsford grid to test weak conductors and a fault inferred by the geophysical surveys. An accumulated total of 361.0 metres of R.C. drilling was carried out.

2.0 REGIONAL GEOLOGY

Early Precambrian (Archean) metavolcanics and metasediments comprise the oldest rock types in the area. The mafic to intermediate metavolcanics consist of massive to pillowed flows, flow breccias and porphyritic flows which are overlain by felsic pyroclastics and minor felsic flows. Clastic metasediments consisting mainly of turbiditic wackes and minor lean iron formation overlie the volcanic sequence in the southern part of the Burntbush - Detour Lakes map area. In the northern portion of the map area this relationship is reversed. This entire package is intruded by synchronous gabbro and diabase intrusions as well as early Precambrian stocks and batholiths of quartz monzonite, granodiorite and trondjemite. Proterozoic quartz diabase dykes intrude all lithologies and mark the last intrusive event to affect the region.

The metavolcanic-metasedimentary belt, in which the Abbotsford map area is located, lies on the southern limb of one of two fold structures which extend west from the main Abitibi Belt in Quebec. Emplacement of the early Precambrian felsic to intermediate rocks has domed the area into a broad antiform. One northwest trending sinistral strike slip fault is inferred from geophysical data.

2.1 Abbotsford Geology

Outcrop on the Abbotsford property accounts for much less than 1% of the total area. Regional strikes and dips average 300/90 degrees. The rocks consist of felsic to intermediate schisted volcanics, amphibolitized andesite, and one small outcrop of metasediments. The tuffs are fine to coarse-grained, exhibit local carbonatization and sericitization and locally carry traces of pyrite. Quartz veins up to 10 cm wide occur as discontinuous lenses and bands barren of mineralization. A total of twenty-six (26) samples were taken. All assayed less than 5 ppb gold.

3.0 GEOPHYSICS

The 1986 winter geophysical project conducted on the Abbotsford property involved 40.2 line kilometres of total field magnetic survey, 38.5 line kilometres of Horizontal Loop Electromagnetic (HLEM) survey, and 6.45 line kilometres of Very Low Frequency (VLF) survey. Every grid line was surveyed with the magnetometer and with HLEM equipment. The magnetic survey utilized 12.5 metre station intervals and a base station magnetometer was used to compensate for the Earth's diurnal magnetic drift. Three frequencies were

read for the HLEM survey. These were 888, 1777 and 3555 Hertz. The high frequency was used to attempt to locate the inferred fault on the survey grid. A station interval of 25 metres and a coil separation of 100 metres were the other survey parameters for the HLEM survey. Three lines of VLF readings were taken to determine if the high frequency on the HLEM could locate the fault. The transmitting station used was Hawaii.

3.1 Electromagnetic Survey

Airborne EM responses from some of Inco's earlier work are located on the property. The early airborne work outlined a long linear conductor striking parallel the baseline.

The lines read with the VLF unit were 33W, 34W, and 35W. Multiple crossovers were located; later these proved to be the same conductors located by the HLEM survey.

Three frequencies were read for the HLEM survey as crossovers were found in the area of the expected fault. After individual profiles had been interpreted, it was realized that the fault was not found directly by the HLEM survey. The fault may be seen when the conductors, which run parallel to the baseline, are plotted in plan. The fault displaces the conductors by about two hundred metres. The conductors are very variable in terms of both thickness and conductivity. They may change greatly in strength (or thickness) or conductivity over 100 metres.

From the ground geophysics, multiple conductors were located on the southern portion of the gridded area whereas the old airborne work only showed one. A fault may be inferred from its effects on the conductors and by the magnetic data.

3.2 Magnetic Survey

The magnetic data is contoured using 10 nanoTelsa contour intervals. The grain or trend of the magnetic data is parallel to the baseline. Once again, the fault may be seen as a disruption of this trend. Several magnetic high trends are found on the grid. These magnetic highs are parallel to the baseline and have associated magnetic lows, indicating a large depth extent to these features. They are not directly associated with the conductors found by the EM surveys.

4.0 REVERSE CIRCULATION DRILLING

During the summer of 1987 a reverse circulation overburden drill program was completed on the Abbotsford block. Bradley Bros. of Timmins, Ontario completed the work between July 20, 1987 and July 25, 1987. The program consisted of eighteen (18) boreholes drilled to test geophysical anomalies. An accumulated total of 361.0 metres of R.C. drilling was completed.

The reverse circulation system employed for the program consisted of a self-propelled Acker drill. The reverse circulation rotary system involves dual tube rods and a tricone bit. The outer rod acts as casing and a water-air

mixture is pumped downwards under high pressure between the outer and inner rod. A slurry sample is returned instantaneously through the inner rod.

Overburden samples are shipped directly to Overburden Drilling Management (ODM) in Ottawa, for processing. The samples are treated individually in the following manner.

- 1) Bulk sample is split, 250 grams is stored.
- 2) The remaining sample is wet sieved and the plus 1700 micron material is stored.
- 3) The remaining sample, less than 1700 microns, is put on an inclined shaking table to separate visible gold grains. The gold grains are removed and analysed for size and it is noted if the grains are abraded, irregular or delicate. At this stage an estimate of the pyrite, arsenopyrite and other sulphides can be made on the shaking table.
- 4) The sample is then removed from the shaking table and a heavy concentrate is made by immersing the sample in methylene iodide with a specific gravity of 3.3. The light fraction is stored.
- 5) The magnetic fraction is removed and the remaining heavy mineral concentrate is sent for multi-element neutron activation analysis.

4.1 Applications

Reverse circulation drilling provides various types of information:

- 1) detailed overburden log
- 3) gold grain count and description
- 3) heavy mineral concentrate and assays
- 4) bedrock descriptions and assays

The above information must be compiled to give an overall picture of the overburden stratigraphy. Proper field identification of basal till, reworked till and glaciofluvial gravels is crucial in the correct evaluation of anomalous results.

Bedrock descriptions and assays can be used in geological correlation of rock units in areas of drift cover.

4.2 Results

The average depth of overburden on the Abbotsford property is 19.8 metres.

The Quaternary stratigraphy on the property consists of a till unit of local derivation, occasionally clay rich, overlain by a thick glaciofluvial esker deposit comprised mainly of sand and minor gravel. This is covered by a veneer of glaciolacustrine clay followed by muskeg and organics.

The esker deposit is prominent and cuts the property from north to south.

4.3 Analytical Results

Gold values in the heavy mineral concentrates range from 0 to 10,000 ppb. The classification of values is as follows.

0	-	300 ppb Au	Non Anomalous
300	-	1500 ppb Au	Weakly Anomalous
1500	-	3000 ppb Au	Moderately Anomalous
		>3000 ppb Au	Strongly Anomalous

A true gold dispersal train should contain moderately to strongly anomalous gold values in one or more of the three basal samples. Gold grains are not always associated with anomalous gold values, however, 10 or more grains in one sample would be of interest.

4.4 Overburden Stratigraphy

The distribution and character of the Quaternary units present in the Tri-Townships area are shown in the table below.

Table #1: Overburden Stratigraphy

<u>Unit</u>	<u>Character</u>	<u>Distribution</u>	<u>Thickness</u>
Clay	Beige, compact	Surface veneer	1-17 m
Sand	Fine-grained esker deposit	Discontinuous	0-7 m
Gravel	Pebbly-glaciofluvial	Discontinuous	2-17 m
Till	Pebble rich	Discontinuous	4-23 m

The average depth of overburden throughout the area is 19.8 m. The upper units are reworked glaciofluvial sands and gravels, deposited in an esker complex that cuts the area in a roughly north, south direction. The majority of the tills beneath these deposits are possibly reworked, reducing their value as a geochemical exploration target.

4.5 Discussion

The overburden covering the Abbotsford claim block consists of three main sedimentary units: these are lacustrine clay, esker sands and at least one till. Due to the sandy nature of the matrix observed in the majority of the till samples, these are likely reworked in nature.

The ideal overburden sample for geochemical purposes would be locally derived till, close to the bedrock surface, contain delicate gold grains and moderate to strongly anomalous in gold. The till would contain locally derived angular pebbles to cobbles in a matrix of silt and clay.

5.0 BIBLIOGRAPHY

Colvine, A.C.

1983 (ed.): The Geology of Gold in Ontario; Ontario Geological Survey Miscellaneous Paper 110.

Johns, G.W.

1982: Geology of the Burntbush - Detour Lakes Area; Ontario Geological Survey Report 199.

Lo, B.

1987: Geophysical Report, Tri-Townships Project; Canadian Nickel Company Limited Report.

Lumbers, S.B.

1963: South Patten River Area; Ontario Department of Mines Geological Report 14.

6.0

EXPENDITURE SUMMARY

October 19, 1988

To Whom It May Concern:

This letter will confirm that Inco Gold Company has spent the following amounts for reverse circulation drilling on the projects indicated below during July and August 1987.

1. Kenning Township - claims L917879 etc. - \$9,795.00
2. Abbotsford Township - claims L917925 etc. - \$9,427.00
3. Adair Township - claims L917674 etc. - \$8,831.00

I certify that the above statement is true and accurate and in accordance with the records of Inco Gold Company.



F. H. Gibson
Superintendent, Administration

HEATH & SHERWOOD DRILLING (1986) INC.

FORAGE HEATH & SHERWOOD (1986) INC.

P.O. BOX 998
34 DUNCAN AVE. NORTH
KIRKLAND LAKE, ONTARIO, CANADA
P2N 3L3

February 17, 1988

To whom it may concern:

This letter is to confirm that Heath & Sherwood Drilling (1986) Inc. invoiced Canadian Nickle for the following work in the months of July and August 1987:

1. Kenning Township - Invoice total \$49,712.83,
2. Abbotsford Township - Invoice total \$17,098.09,
3. Adair Township - Invoice total \$23,569.75.

Regards,

Heath & Sherwood Drilling (1986) Inc.



John Halsall
Secretary-Treasurer

JH:sk

APPENDIX I

REVERSE CIRCULATION LOGS

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1475.0 M	NTS SHEET # : 32E4	STARTED : 07 20 87
PROPERTY : ABBOTSFORD	DEPARTURE :W -2600.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 07 20 87
BOREHOLE : 77671-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 90	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # : CLAIM #	DRILL TYPE : ACKER
DEPTH : 12.7 M	LOGGED BY : REMY HUNEALT	GRID NAME : KENNING	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 .40 CLAY
CLAY, BEIGE, SMOOTH AND COMPACT.

.40 10.60 SAND
SAND, BEIGE, FINE GRAINED WITH OCCASIONAL MEDIUM AND
COARSE BEDS, A FEW PEBBLY BEDS.

10.60 11.20 GRAVEL
GRAVEL; COARSE GRANULAR MATRIX, COBBLY WITH 65%
VOLCANICS, 35% GRANITOIDS.

FIELD EXPLORATION DIAMOND DRILL LOG

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

11.20	12.70	BEDROCK			
-------	-------	---------	--	--	--

FELSIC VOLCANIC, BLACK, FOLIATED, APHANITIC AND VERY HARD.

12.7 Foot of hole.

*****INCO LIMITED*****
 FIELD EXPLORATION DIAMOND DRILL LOG

77672-0
 PAGE 1

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1500.0 M	NTS SHEET # : 32E4	STARTED : 12 20 87
PROPERTY : ABBOTSFORD	DEPARTURE :W -2800.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED :
BOREHOLE : 77672-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # : CLAIM #	DRILL TYPE : ACKER
DEPTH : 8.5 M	LOGGED BY : REMY HUNEULT	GRID NAME :	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS : 12 20 87

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 1.00 CLAY
 CLAY; BEIGE, SMOOTH AND COMPACT.

1.00 6.00 SAND
 SAND; BEIGE, FINE GRAINED WITH A FEW MEDIUM AND COARSE BEDS.

6.00 7.00 SAND
 SAND AND GRAVEL, THINLY INTERBEDDED WITH A FEW THICKER BEDS; SAND IS FINE, BEIGE; GRAVEL IS COBBLY, 60% VOLCANICS, 40% GRANITE WITH COARSE SAND TO GRANULAR MATRIX.

77672-0
 PAGE 1

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

7.00	8.50	BEDROCK				
		FELSIC VOLCANIC, BLACK, WELL FOLIATED, APHANITIC AND				
		VERY HARD WITH TRACE DISSEMINATED PYRITE.				
		8.5 Foot of hole.				

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1540.0 M	NTS SHEET # : 32E4	STARTED : 20 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -3000.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 20 JULY,
BOREHOLE : 77673-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 6.6 M	LOGGED BY : JP FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M
.00	.80	CLAY CLAY, BEIGE, SMOOTH AND COMPACT.				
.80	4.30	SAND SAND AND GRAVEL, BEIGE SAND, COBBLY WITH 60% GRANITE, 40% VOLCANICS. 4.3 TO 4.4 GRANITE BOULDER.				
4.40	5.00	SAND SAND AND GRAVEL.				

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M
5.00	6.60	BEDROCK				
		GREYWACKE, WELL FOLIATED.				
		6.6 Foot of hole.				

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1650.0 M	NTS SHEET # : 32E4	STARTED : 20 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -2500.0 M	TOWNSHIP :	COMPLETED : 20 JULY,
BOREHOLE : 77674-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 34.5 M	LOGGED BY : REMY HUNEULT	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 .30 CLAY
CLAY, BEIGE, SMOOTH AND COMPACT.

.30 7.60 SAND
SAND, FINE BEIGE , A FEW PEBBLY BEDS, OCCASIONAL MEDIUM TO COARSE BEDS.

7.60 15.00 GRAVEL
GRAVEL, COARSE GRANULAR MATRIX, PEBBLY BOCOMING COBBLY BELOW 11.2 60% VOLCANICS AND 40% GRANITE.
11.2 TO 11.4 GRANODIORITE BOULDER.

FIELD EXPLORATION DIAMOND DRILL LOG

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

15.00 21.60 SAND

SAND AND GRAVEL INTERBEDDED; THIN BEDS OF FINE TO MEDIUM
BEIGE SAND IN A COBBLY GRAVEL. GRAVEL HAS A COARSE SAND
MATRIX.

21.60 34.50 TILL

TILL, GREY SILT MATRIX, COBBLY, 60% VOLCANICS, 40%
GRANITE.

30.4 TO 30.7 GRANODIORITE BOULDER.

31.4 TO 31.5 SMOOTH GREY CLAY LUMPS.

31.5 TO 31.7 GRANODIORITE BOULDER.

AT 34.5 BEDROCK OR BOULDER; NO PENETRATION WITH BIT, A
FEW GREYWACKE CUTTINGS. NO SAMPLE TAKEN.

34.5 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP
 PROPERTY : ABBOTSFORD
 BOREHOLE : 77675-0
 AZIMUTH : .0
 DIP : -90.0
 DEPTH : 40.0 M

LATITUDE :N 1665.0 M
 DEPARTURE :W -2700.0 M
 ELEVATION : 1000.0 M
 BL AZIMUTH : 116
 GRID BEARING :
 LOGGED BY : REMY HUNEAULT

NTS SHEET # : 32E4
 TOWNSHIP : ABBOTSFORD
 PROVINCE : ONTARIO
 COUNTRY : CANADA
 CLAIM # :
 GRID NAME : ABBOTSFORD
 CORE SIZE :

STARTED : 20 JULY, 1987
 COMPLETED : 20 JULY,
 MEASUREMENTS : M
 DRILLED BY : HEATH AND SHERWOOD
 DRILL TYPE : ACKER
 TEST METHOD :
 ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS : HOLE ABANDONED AT 40.0. BEDROCK NOT REACHED

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 18.00 SAND
 SAND, BEIGE, FINE WITH A FEW PEBBLY BEDS, OCCASIONAL
 MEDIUM AND COARSE BED; NO RETURN BEFORE 6.5 M; THIN,
 SMOOTH GREY CLAY BED FROM 16.4 TO 16.5.

18.00 21.00 GRAVEL
 GRAVEL WITH COARSE SAND TO GRANULAR MATRIX, COBBLY WITH
 50X GRANITE AND 50X VOLCANICS.

21.00 23.80 SAND
 SAND, FINE TO MEDIUM, BEIGE.

FIELD EXPLORATION DIAMOND DRILL LOG

*****DESCRIPTION*****

*****ANALYSES*****

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	ANALYSES
23.80	24.30	BOULDER GRANODIORITE BOULDER.					
24.30	27.80	GRAVEL GRAVEL, COARSE SAND TO GRANULAR MATRIX, FEW THIN BEDS OF FINE BEIGE SAND, COBBLY, 60% VOLCANICS AND 40% GRANITE. 26.5 TO 26.6 THIN BED OF SMOOTH, SOFT, GREY CLAY.					
27.80	40.00	TILL TILL, GREY SILT MATRIX, COBBLY WITH 60% VOLCANICS AND 40% GRANITE; GRANODIORITE BOULDERS FROM 28.6-28.8, 34.2-34.4 AND 38.1 TO 38.3; 30.6 TO 34.2 OCCASIONAL SMOOTH GREY CLAY LUMPS IN THE MATRIX. 40.0 FOOT OF HOLE, BEDROCK NOT REACHED, NO PENETRATION AFTER 40.0.					

*****INCO LIMITED*****
 FIELD EXPLORATION DIAMOND DRILL LOG

77676-0
 PAGE 1

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1725.0 M	NTS SHEET # : 32E4	STARTED : 21 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -2900.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 21 JULY, 1987
BOREHOLE : 77676-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 40.1 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS : HOLE ABND AT 40.1 WITHOUT REACHING BEDROCK. BIT U/S

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 4.50 CLAY
 CLAY, BEIGE, COMPACT.

4.50 8.80 SAND
 SAND, BEIGE, FINE TO VERY FINE WITH THIN CLAY BED AT 8.3
 AND BECOMING COARSER TO 8.8.

8.80 25.40 GRAVEL
 GRAVEL; COARSE SAND MATRIX WITH OCCASIONAL FINE SAND
 BEDS, COBBLY.

77676-0
 PAGE 1

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

25.40 34.00 TILL

TILL; 25.4 TO 27.0 GREY GRITTY CLAY MATRIX;. GRANODIORITE BOULDER FROM 26.0 TO 26.3. 27.0 TO 29.8 SORTED SAND AND GRAVEL, COARSE SAND MATRIX, CLASTS 60% GRANITE AND 40% VOLCANICS; 29.0-29.1 GRANODIORITE BOULDER. 29.8 TO 30.1 GREY GRITTY CLAY MATRIX, PEBBLY WITH MOSTLY VOLCANIC CLASTS. 30.1 TO 34.0 OCCASIONAL GREY GRITTY CLAY IN BEIGE FINE SAND MATRIX. 34.0 TO 34.1, THIN BED OF SMOOTH, VERY COMPACT GREY CLAY. 34.1 TO 40.1 FINE SAND MATRIX, COBBLY; SMOOTH GREY CLAY FROM 36.4 TO 37.0; GREY GRITTY CLAY IN MATRIX FROM 40.0 TO 40.1. 40.1 FOOT OF HOLE; BEDROCK NOT REACHED, BIT U/S.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1735.0 M	NTS SHEET # : 32E4	STARTED : 12 21 87
PROPERTY : ABBOTSFORD BLOCK	DEPARTURE :W -3100.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 12 21 87
BOREHOLE : 77677-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 29.5 M	LOGGED BY : RENE HUNEULT	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 1.40 CLAY
CLAY, BROWN, BECOMING BEIGE, SMOOTH AND COMPACT.

1.40 12.50 SAND
1.4 TO 4.0 BEIGE, FINE WITH OCCASIONAL SILT.
4.0 TO 9.5 FINE WITH A FEW PEBBLES.
9.5 TO 12.5 MEDIUM TO COARSE WITH THIN PEBBLY BEDS.

12.50 28.00 TILL
TILL, GREY TO BEIGE, SILT TO FINE SAND MATRIX; COBBLY,
60% VOLCANICS AND 40% GRANITE. GRANODIORITE BOULDER
FROM 12.5 TO 12.8.

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

20.5 21.0 OCCASIONAL GREY GRITTY CLAY IN MATRIX.

20.6 TO 20.8 AMPHIBOLITE BOULDER.

21.0 TO 21.4 AMPHIBOLITE BOULDER.

22.1 TO 22.4 INTERMEDIATE VOLCANIC BOULDER.

23.6 TO 25.2 OCCASIONAL GREY GRITTY GREY CLAY IN MATRIX.

25.6 TO 26.0 PORPHYRY BOULDER.

27.0 TO 27.2 GRANODIORITE BOULDER.

27.0 TO 28.0 OCCASIONAL GREY GRITTY CLAY IN MATRIX.

28.00 29.50 BEDROCK

INTERMEDIATE VOLCANIC; DARK GREEN, FINE GRAINED,
FOLIATED.

29.5 Foot of hole.

*****INCO LIMITED*****
 FIELD EXPLORATION DIAMOND DRILL LOG

77678-0
 PAGE 1

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1925.0 M	NTS SHEET # : 32E4	STARTED : 22 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -3400.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 22 JULY,
BOREHOLE : 77678-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 3.5 M	LOGGED BY : RENV HUNEALT	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 .40 SAND
 SAND, BEIGE, FINE, OXIDIZED; NO RETURN.

.40 2.00 TILL
 TILL; BEIGE TO GREY BEIGE, FINE SAND MATRIX, PEBBLY, 50%
 VOLCANICS AND 50% GRANITE.

2.00 3.50 BEDROCK
 FELSIC VOLCANIC; VERY DARK BROWN TO BLACK, CHERTY AND
 VERY HARD TRACE OF DISSEMINATED PYRITE.
 3.5 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1890.0 M	NTS SHEET # : 32E4	STARTED : 22 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -3600.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 22 JULY,
BOREHOLE : 77679-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 20.0 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIN	DIP	DEPTH	AZIN	DIP	DEPTH	AZIN	DIP	DEPTH	AZIN	DIP
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*****DESCRIPTION*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 .40 CLAY
BROWN CLAY.

.40 18.50 TILL
TILL; BEIGE SAND, VERY FINE MATRIX, PEBBLY, 60% GRANITE
AND 40% VOLCANIC CLASTS.
6.0 TO 6.5 GRANITE BOULDER.
8.1 TO 9.5 COARSE SAND AND GRAVEL MATRIX.
10.0 TO 10.1 GRANITE BOULDER.
10.5 TO 11.0 FINE SAND AND GRAVEL.
13.7 TO 13.9 GRANITE BOULDER.
14.0 TO 14.8 GREY GRITTY CLAY.
16.1 TO 16.3 GRANITE BOULDER.

*****ANALYSES*****

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

17.0 GRITTY CLAY BED.
17.3 TO 17.6 INTERMEDIATE VOLCANIC BOULDER.

18.50 20.00 BEDROCK
INTERMEDIATE VOLCANIC, WELL FOLIATED, HARD.
20.0 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP LATITUDE :N 1725.0 M
 PROPERTY : ABBOTSFORD DEPARTURE :W -3600.0 M
 BOREHOLE : 77680-0 ELEVATION : 1000.0 M
 AZIMUTH : .0 BL AZIMUTH : 116
 DIP : -90.0 GRID BEARING :
 DEPTH : 42.0 M LOGGED BY : REMY HUNEULT

NTS SHEET # : 32E4
 TOWNSHIP : ABBOTSFORD
 PROVINCE :
 COUNTRY : CANADA
 CLAIM # :
 GRID NAME : ABBOTSFORD
 CORE SIZE :

STARTED : 22 JULY, 1987
 COMPLETED : 22 JULY,
 MEASUREMENTS : M
 DRILLED BY : HEATH AND SHERWOOD
 DRILL TYPE : ACKER
 TEST METHOD :
 ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS : HOLE ABND AT 41.2, RODS CLOGGED.

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	DESCRIPTION	SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M
.00	.50	CLAY CLAY; BROWN, SMOOTH AND COMPACT.				
.50	6.40	TILL 0.5 TO 6.4 BEIGE, FINE SAND MATRIX, PEBBLY WITH 50% VOLCANICS AND SEDIMENTS, 50% GRANITOIDS. COBBLY FROM 3.0, VERY STONY. 4.5 TO 4.7 GRANODIORITE BOULDER.				
6.40	9.40	GRAVEL GRAVEL; COARSE GRANULAR MATRIX, COBBLY, 50% VOLCANICS AND GRANITE. COARSE TO MEDIUM SAND FROM 7.0.				

*****DESCRIPTION*****		*****ANALYSES*****			
FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M
	8.5 TO 8.7				
	GRANODIORITE BOULDER.				
9.40	12.60				
	TILL; GREY-BEIGE TO GREY SILT MATRIX, COBBLY 50X VOLCANICS AND SEDIMENTS, 40X GRANITE.				
12.60	15.20				
	SAND; BEIGE, MEDIUM TO FINE, FEW PEBBLY BEDS.				
15.20	16.40				
	TILL; AS TO 12.6.				
16.40	17.00				
	SAND; BEIGE, MEDIUM TO FINE, FEW PEBBLY BEDS.				
17.00	25.60				
	TILL; AS TO 12.6. 18.2 TO 18.5 GRANODIORITE BOULDER.				
25.60	26.00				
	TILL; GREY, GRITTY CLAY IN MATRIX.				
26.00	26.80				
	TILL; GREY SILT MATRIX.				

FIELD EXPLORATION DIAMOND DRILL LOG

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

26.80 32.00 SAND

SAND; BEIGE, MEDIUM TO COARSE, FEW PEBBLY BEDS,
OCCASIONAL FINE BED.
30.0 TO 31.0 VERY COARSE.

32.00 41.20 TILL

TILL; GREY SILT MATRIX, COBBLY WITH 60X VOLC/ SEDS, 40X
GRANITE AT 33.0 SULPHIDE PEBBLE GROUND BY BIT.
OCCASIONAL GRITTY CLAY MATRIX FROM 35.5 TO 36.0; 38.0 TO
41.2; 36.0 TO 36.2 GRANODIORITE BOULDER; 37.8 TO 38.0
INTERMEDIATE VOLCANIC BOULDER.
41.2 FOOT OF HOLE; RODS CLOGGED, HIGH TORQUE, ABANDONDED
HOLE.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 2290.0 M	NTS SHEET # : 32E4	STARTED : 23 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -3300.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 23 JULY, 1987
BOREHOLE : 77681-0	ELEVATION : 1000.0 M	PROVINCE :	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 11.7 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU+32 ELEMENT PACKAGE

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 7.00 SAND
SAND; FINE, BEIGE, OXIDIZED AT SURFACE, SOME PEBBLES.

7.00 10.10 TILL
TILL; FINE BEIGE SAND AND PEBBLE MATRIX, 50% GRANITE AND 50% VOLCANICS AND SEDIMENTS.

10.10 10.20 GRAVEL
COARSE SAND AND GRAVEL, COBBLY.

10.20 11.70 BEDROCK

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

INTERMEDIATE VOLCANIC, GREEN, HARD.
11.7 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 2265.0 M	NTS SHEET # : 32E4	STARTED : 23 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -3500.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 23 JULY,
BOREHOLE : 77682-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 14.3 M	LOGGED BY : REMY HUNEAULT	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 1.60 CLAY
0 TO 1.0 CLAY, BROWN, SMOOTH AND COMPACT.
1.0 TO 1.6 CLAY, BEIGE, SMOOTH AND SOFT.

1.60 4.00 SILT
SILT AND SAND, INTERBEDDED SILT AND VERY FINE BEIGE SAND;
3.0 TO 4.0 FINE SAND.

4.00 10.60 TILL
TILL; BEIGE, FINE SAND MATRIX, COBBLY WITH 50% VOLCANICS
AND SEDS 50% GRANITIDS.

*****DESCRIPTION*****

*****ANALYSES*****

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M	ANALYSES
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10.60	10.80	BOULDER GRANODIORITE BOULDER.					
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10.80	12.80	GRAVEL GRAVEL; BEIGE WITH MEDIUM SAND MATRIX, LOCALLY MATRIX COARSE TO GRANULAR, COBBLY 65% VOLCANICS, AND SEDIMENTS, 35% GRANITOIDS. 12.0 TO 12.2 INTERMEDIATE VOLCANIC BOULDER.					
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12.80	14.30	BEDROCK GREYWACKE, DARK GREY TO BLACK, FOLIATED, BIOTITIC. 14.3 Foot of hole.					
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FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 2265.0 M	NTS SHEET # : 32E4	STARTED : 23 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -3700.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 23 JULY,
BOREHOLE : 77683-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 13.2 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS : TRICONE BIT WHEELS FELL OFF AT 13.2 M

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 1.50 TILL
TILL ??, POOR RETURN.

1.50 12.10 TILL
TILL; VERY COBBLY AND STONY FROM 8.4 TO 9.4, 50% GRANITE
AND 50% VOLCANICS AND SEDIMENTS.
10.3 TO 10.3 GRANITE BOULDER.
10.3 COARSE SAND AND GRAVEL MATRIX.
11.0 BEIGE FINE SAND MATRIX, PEBBLY.
11.4 GRANITE BOULDER.

12.10 13.20 BEDROCK

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

INTERMEDIATE VOLCANICS, LOCAL QUARTZ VEINS.
13.2 FOOT OF HOLE.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 3045.0 M	NTS SHEET # : 32E4	STARTED : 24 JULY, 1977
PROPERTY : ABBOTSFORD	DEPARTURE :W -3500.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 24 JULY, 1977
BOREHOLE : 77684-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 8.8 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 2.30 CLAY
CLAY; BROWN, SMOOTH AND VERY COMPACT.

2.30 7.40 SAND
SAND; BEIGE, FINE GRAINED.

7.40 8.80 BEDROCK
INTERMEDIATE VOLCANICS; LOCAL QUARTZ VEINING 7.4 TO 7.9;
ROCK VERY HARD.
8.8 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP LATITUDE :N 2315.0 M
 PROPERTY : ABBOTSFORD DEPARTURE :W -3100.0 M
 BOREHOLE : 77685-0 ELEVATION : 1000.0 M
 AZIMUTH : .0 BL AZIMUTH : 116
 DIP : -90.0 GRID BEARING :
 DEPTH : 29.0 M LOGGED BY : JP. FOURNIER

NTS SHEET # : 32E4
 TOWNSHIP : ABBOTSFORD
 PROVINCE : ONTARIO
 COUNTRY : CANADA
 CLAIM # :
 GRID NAME : ABBOTSFORD
 CORE SIZE :

STARTED : 24 JULY, 1987
 COMPLETED : 24 JULY,
 MEASUREMENTS : M
 DRILLED BY : HEATH AND SHERWOOD
 DRILL TYPE : ACKER
 TEST METHOD :
 ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS : NO SAMPLE RETURN FROM 25.0-29.0, BIT BLOCKED, HOLE ABND.

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 5.60 GRAVEL
 COARSE SAND AND GRAVEL; BEIGE MATRIX, COBBLY, 50X
 VOLCS/SEDS, 50X GRANITE.
 GRANODIORITE BOULDERS FROM 1.8 TO 2.0, 4.0 TO 4.4 AND
 4.6 TO 4.8.

5.60 6.10 TILL
 TILL; BEIGE FINE SAND MATRIX, PEBBLY.

6.10 12.00 GRAVEL
 SAND AND GRAVEL, COARSE MATRIX, 60X GRANITE, 40X
 VOLCS/SEDS.

*****DESCRIPTION*****

*****ANALYSES*****

FROM M	TO M	DESCRIPTION	SAMPLE#	FROM M	TO M	LENGTH M
		GRANITE BOULDERS FROM 6.9 TO 7.0, 7.7 TO 7.1, 8.2 TO 8.3, 9.6 TO 9.9, 10.3 TO 10.4, 11.0 TO 11.1.				
		FINE SAND FROM 9.0 TO 9.5.				
12.00	12.40	SAND SAND, FINE MATRIX.				
12.40	14.00	GRAVEL COARSE SAND MATRIX, COBBLY, STONY. 13.1 TO 13.2, GRANITE BOULDER.				
14.00	21.50	SAND SAND, FINE BEIGE SAND MATRIX, PEBBLY, 50% VOLCANICS, 50% GRANITE.				
21.50	21.60	TILL TILL; BEIGE SAND MATRIX, PEBBLY.				
21.60	22.50	GRAVEL GRAVEL; COARSE SAND MATRIX, COBBLY.				
22.50	23.60	SAND FINE SAND BED AT 23.6.				
23.60	25.50	SAND				

*****INCO LIMITED*****
FIELD EXPLORATION DIAMOND DRILL LOG

77685-0
PAGE 3

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	H		M	M	M

BEIGE SAND MATRIX, PEBBLY.

25.50 29.00 NO RETURN

25.5 29.0 NO SAMPLE RETURN, BIT BLOCKED, HOLE ABANDONED.

29.0 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 2115.0 M	NTS SHEET # : 32E4	STARTED : 24 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -2500.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 24 JULY,
BOREHOLE : 77686-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 12.8 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 4.50 CLAY
CLAY, BROWN, SMOOTH, COMPACT.

4.50 5.00 BOULDER
BASIC VOLCANIC ? BOULDER.

5.00 7.50 SAND
SAND; FINE BEIGE SAND, FEW PEBBLES.

7.50 8.30 BOULDER
VOLCANIC BOULDER.

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

8.30 11.30 TILL

8.3 TO 9.0 TILL WITH BEIGE SAND MATRIX, PEBBLY.

9.0 TO 9.2 MAFIC BOULDER.

9.2 TO 10.7 TILL WITH FINE BEIGE SAND MATRIX, PEBBLY 70X
VOLCANICS AND SEDIMENTS, 30X GRANITIDS.

10.7 TO 10.8 GRANITE BOULDER.

10.8 TO 11.0 TILL WITH COARSE SAND AND GRAVEL MATRIX,
60X VOLCANIC 40X GRANITE.

11.30 12.80 BEDROCK

MAFIC VOLCANIC, DISSEMINATED PY, SOME QUARTZ VEINS.

12.8 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1930.0 M	NTS SHEET # : 32E4	STARTED : 24 JULY, 1967
PROPERTY : ABBOTSFORD	DEPARTURE :W -2500.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 24 JULY,
BOREHOLE : 77687-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 22.6 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
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*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

.00 4.00 CLAY
CLAY; BROWN, SMOOTH AND COMPACT.

4.00 16.50 SAND
FINE BEIGE SAND TO MEDIUM BEIGE SAND WITH VERY FEW
PEBBLES.

16.50 16.60 BOULDER
BOULDER, VOLCANIC.

16.60 21.00 GRAVEL

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

GRAVEL; MEDIUM TO COARSE SAND MATRIX, PEBBLY, 60%
VOLCANICS AND SEDIMENTS, 40% GRANITOIDS.

21.00 22.60 BEDROCK
INTERMEDIATE VOLCANIC BEDROCK.
22.6 Foot of hole.

FIELD EXPLORATION DIAMOND DRILL LOG

PROJECT : TRI-TOWNSHIP	LATITUDE :N 1930.0 M	NTS SHEET # : 32E4	STARTED : 25 JULY, 1987
PROPERTY : ABBOTSFORD	DEPARTURE :W -2700.0 M	TOWNSHIP : ABBOTSFORD	COMPLETED : 25 JULY,
BOREHOLE : 77688-0	ELEVATION : 1000.0 M	PROVINCE : ONTARIO	MEASUREMENTS : M
AZIMUTH : .0	BL AZIMUTH : 116	COUNTRY : CANADA	DRILLED BY : HEATH AND SHERWOOD
DIP : -90.0	GRID BEARING :	CLAIM # :	DRILL TYPE : ACKER
DEPTH : 12.2 M	LOGGED BY : JP. FOURNIER	GRID NAME : ABBOTSFORD	TEST METHOD :
		CORE SIZE :	ASSAYED FOR : AU, PT, PD + 32 ELEMENT

COMMENTS :

LEFT IN HOLE:

*****DEVIATION RECORDS*****

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP	DEPTH	AZIM	DIP
-------	------	-----	-------	------	-----	-------	------	-----	-------	------	-----

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO		SAMPLE#	FROM	TO	LENGTH
M	M			M	M	M

.00 1.50 CLAY
BROWN, PURE, MODERATELY COMPACT CLAY. (OJIBWAY 2
SEDIMENTS FROM 0 TO 10.7).

1.50 3.80 CLAY
INTERBEDDED BROWN CLAY AND BEIGE VERY FINE SAND/SILT.

3.80 9.50 SAND
FINE BEIGE SAND.

9.50 10.70 GRAVEL

*****DESCRIPTION*****

*****ANALYSES*****

FROM	TO	SAMPLE#	FROM	TO	LENGTH
M	M		M	M	M

GRAVEL WITH FINE SAND INTERBEDS; PEBBLE CLASTS WITH COMPOSITION 70% VOLCANICS AND SEDIMENTS, 30% GRANITE.

10.70 12.20 BEDROCK

GREYWACKE; DARK GREY TO BLACK, FINE GRAINED, WEAK TO MODERATE FOLIATION; 5 TO 7% GARNET, BIOTITIC (30-35%), 3-4% DISSEMINATED PYRITE; BELOW 11.7 ABOUT 15-20% QUARTZ VEINS.

12.2 Foot of hole.



Ministry of Northern Development and Mines

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

DOCUMENT No. W8808-405

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Nov 1

Mining Act

Type of Survey(s) **Expenditures (Reverse Circulation Drilling)** Township or Area **Abbotsford**

Claim Holder(s) **Canadian Nickel Company Limited** Prospector's Licence No. **A 17527**

Address **Copper Cliff, Ontario POM 1N0** **2.11775**

Survey Company **Heath & Sherwood Drilling Inco Gold Company** Date of Survey (from & to) **20. 07. 87 25. 07. 87** Total Miles of line Cut

Name and Address of Author (of Geo-Technical report)
R. Clark c/o Inco Gold Company, Field Expl. Dept., Hwy 17 W., Copper Cliff, Ont. POM 1N0

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic - Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric - Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic - Magnetometer - Radiometric - Other	
	Geological	
	Geochemical	
Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic - Magnetometer - Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.
L	917908	28
	917913	60
	917914	60
	917915	60
	917916	60
	917917	60
	917918	60
	917919	60
	917920	60
	917921	60
	917922	60
	917923	60
	917926	60
	917927	60
	917928	60
	917929	60
	917930	60
	917931	60
	917932	60
	918148	60
	918149	60
	918157	60
	918158	60

Prefix	Mining Claim Number	Expend. Days Cr.
L	918159	60
	918160	60
	918161	60
	918162	60
	918163	60
	918164	60
	918165	60

RECEIVED
SEP 12 1988

RECEIVED
SEP 19 1988
MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed **Reverse Circulation Drilling**

Performed on Claim(s)
L 917925-26; L 917933; L 918135-39 incl.
L 918141; L 918145-46 (Section 77-19)

Calculation of Expenditure Days Credits

Total Expenditures **\$ 26,525.09** ÷ **15** = **1768** Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only

Recorded Date: **Sept. 12/88** Mining Recorder: **M. G. Weerme**

Date Approved as Recorded: **21 Nov 88** Branch Director: **[Signature]**

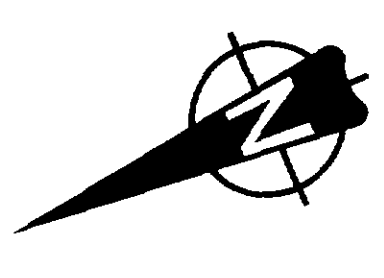
Date **Sept. 8, 1988** Recorded Holder or Agent (Signature): **[Signature]**

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
I.D. McCaskill c/o Inco Gold Company, Field Expl. Dept., Hwy 17 West

Copper Cliff, Ontario POM 1N0 Date Certified **Sept. 8, 1988** Certified by (Signature): **[Signature]**

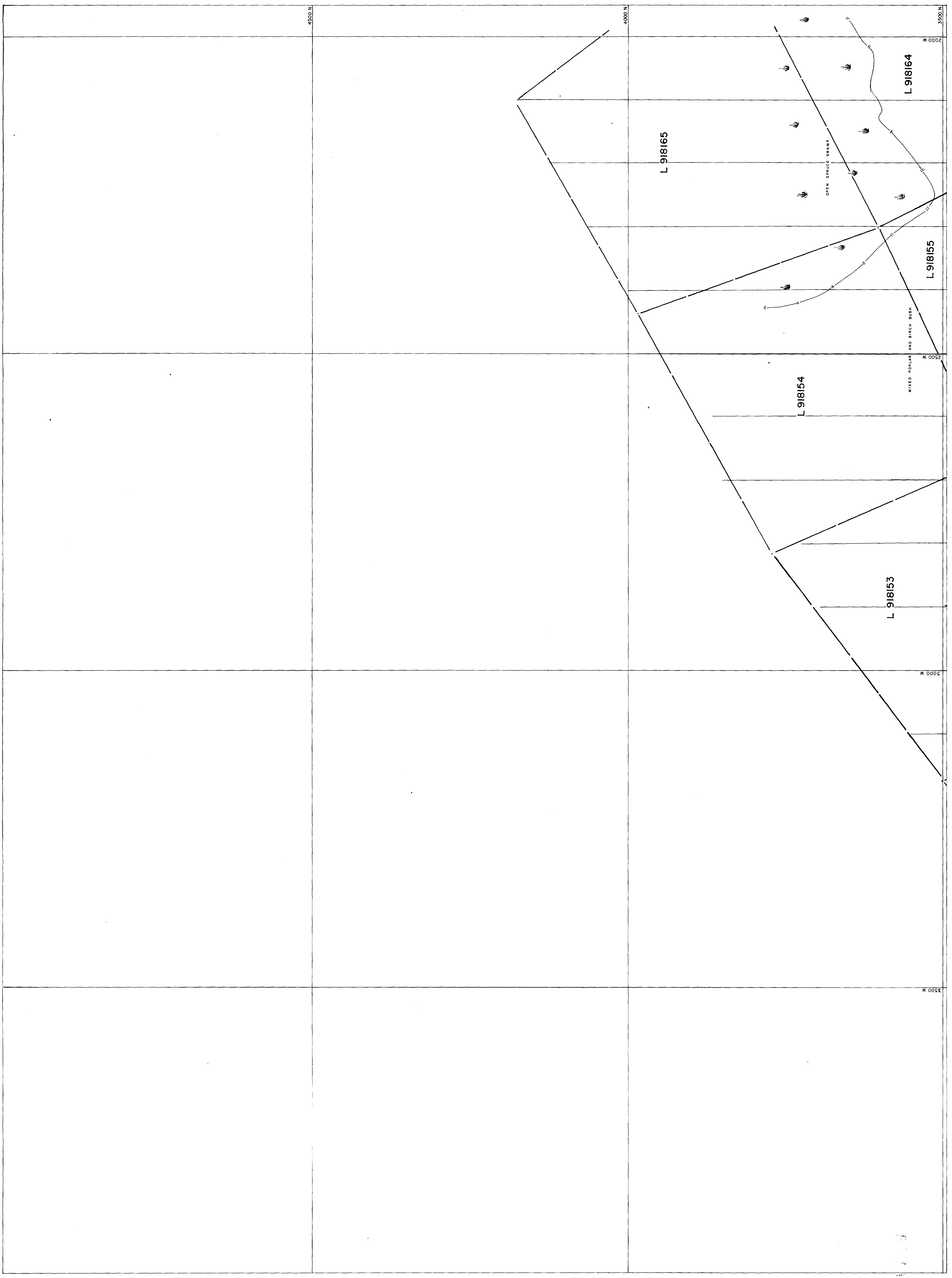
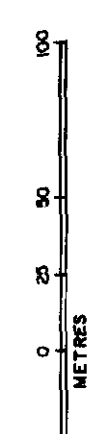


LEGEND

- 6 Intermediate Metasediments
- 5 Lamprophyre dyke
- 4 Pegmatite dike
- 3 Granodiorite
- 2 Crude facies flow formation
- 1 Metasediments

- Outcrop
- Outcrop (small, boulder, undefined)
- Geological contact (observed)
- Geological contact (inferred)
- Geological contact (inferred)
- Geosynclinal schistosity, foliation
- Drug hole
- Slope (steep, moderate, gentle)
- Swamp
- Reverse Circulation Drill Hole
- Sample location and number (assay in ppb Au)
- Vegetation change
- Creek and direction of flow

2.11775



D4
E4
F4

INCO GOLD
 INCO GOLD COMPANY, A UNIT OF INCO LIMITED
 Copper Cliff, Ontario
 P.O. Box 100

PROJECT: TRI-TOWNSHIP (Abbotsford Twp.) Area: ABITIBI LAKE, ONTARIO

GEOLOGY SURVEY

SUPERVISOR: JOHN PERRY
 INSTRUMENT:
 COMPILED BY: R. CLARK
 DRAWN BY: RON JOHNSON
 SCALE: 1:2500
 FILE:

SHEET
D4

FIGURE
3

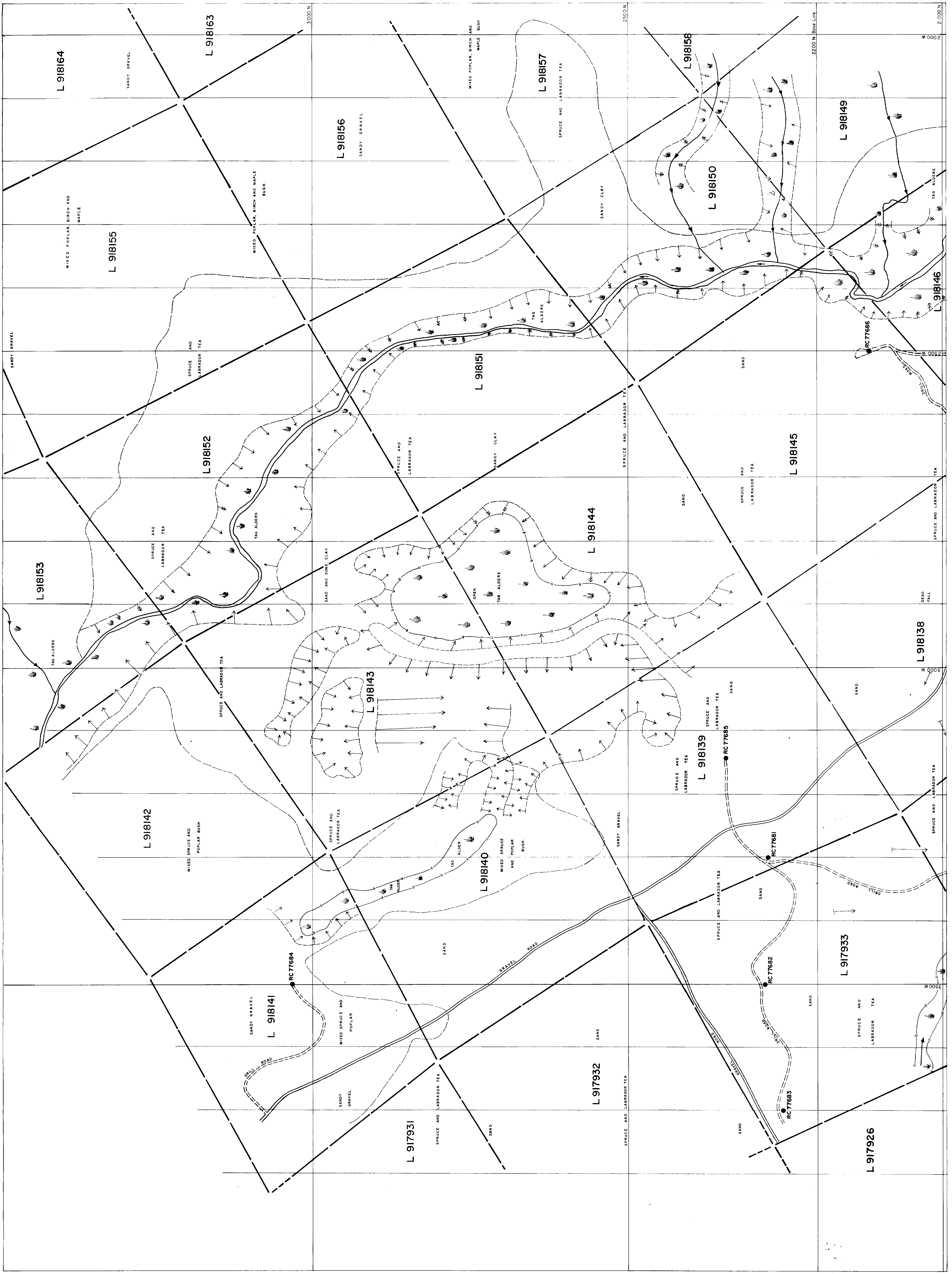
DATE
 1988

REVISIONS
 N.T.S. 382/4



200
 SUBSURFACE 2.11775 (ABITIBI)

Handwritten signature



INCO GOLD
 Copper Cliff, Ontario
 INC. GOLD COMPANY, A UNIT OF INCO LIMITED

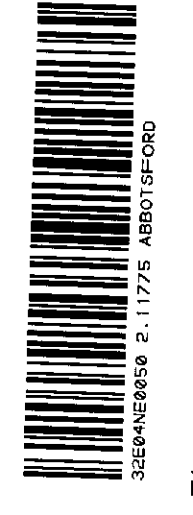
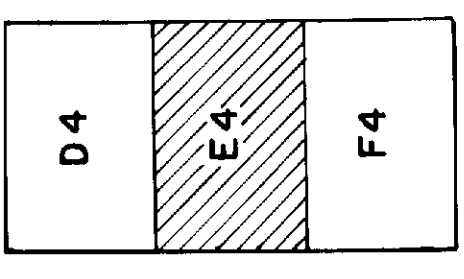
Project: **TRI-TOWNSHIP (Abbotsford Twp.)** Area: **ABITIBI LAKE, ONTARIO**

GEOLOGY SURVEY

Supervisor: JOHN FERRY
 Compiled by: R. CLARK
 Scale: 1:2500

SHEET: **E4** FIGURE: **3**

Survey date: Sep 5-Oct / 87
 Drawn by: RON JOHNSON
 File: N.T.S. 32E/4



2.11775
 210
Handwritten signature



- LEGEND**
- 6 Intermediate Mesosediments
 - 3 Lamprophyric dyke
 - 4 Argillite dyke
 - 3 Gneiss
 - 2 De facies iron formation
 - 1 Metasediments

- Outcrop
- x Outcrop (small, boulder, undrained)
- Geological contact (barred)
- Geological contact (unbarred)
- Gneissosity, schistosity, foliation
- Drag fold
- Strike-slip, normal, thrust
- Stamp
- RC77685 Reverse Circulation Drill Hole
- Sample location and number (also in ppb Au)
- Vegetation change
- Creek and direction of flow

2.11775

INCO GOLD
 Copper, Cliff, Ontario
 P.O.M. NO.

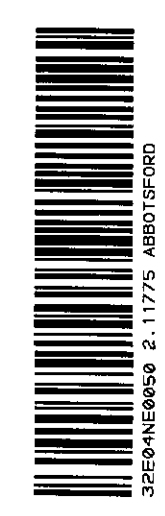
Project: **TRI-TOWNSHIP (Abbotsford Twp.)** Area: **ABITIBI LAKE, ONTARIO**

GEOLOGY SURVEY

SHEET	FIGURE
F4	3

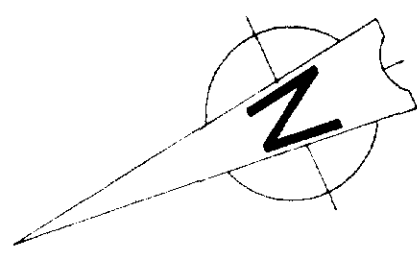
Supervisor: JOHN PERRY Instrument: _____
 Compiled by: R. CLARK Drawn by: ROY JOHNSON
 Scale: 1:2500 File: N.T.S. 32E/4

D4	E4	F4
----	----	----



220

Handwritten signature



LEGEND

Magnetometer Readings in nanotesla
Contours
Station Spacing: 12.5 m
Contour Interval: 10 nT

- Contours
- Contours
- Contours
- Contours
- Contours
- Contours

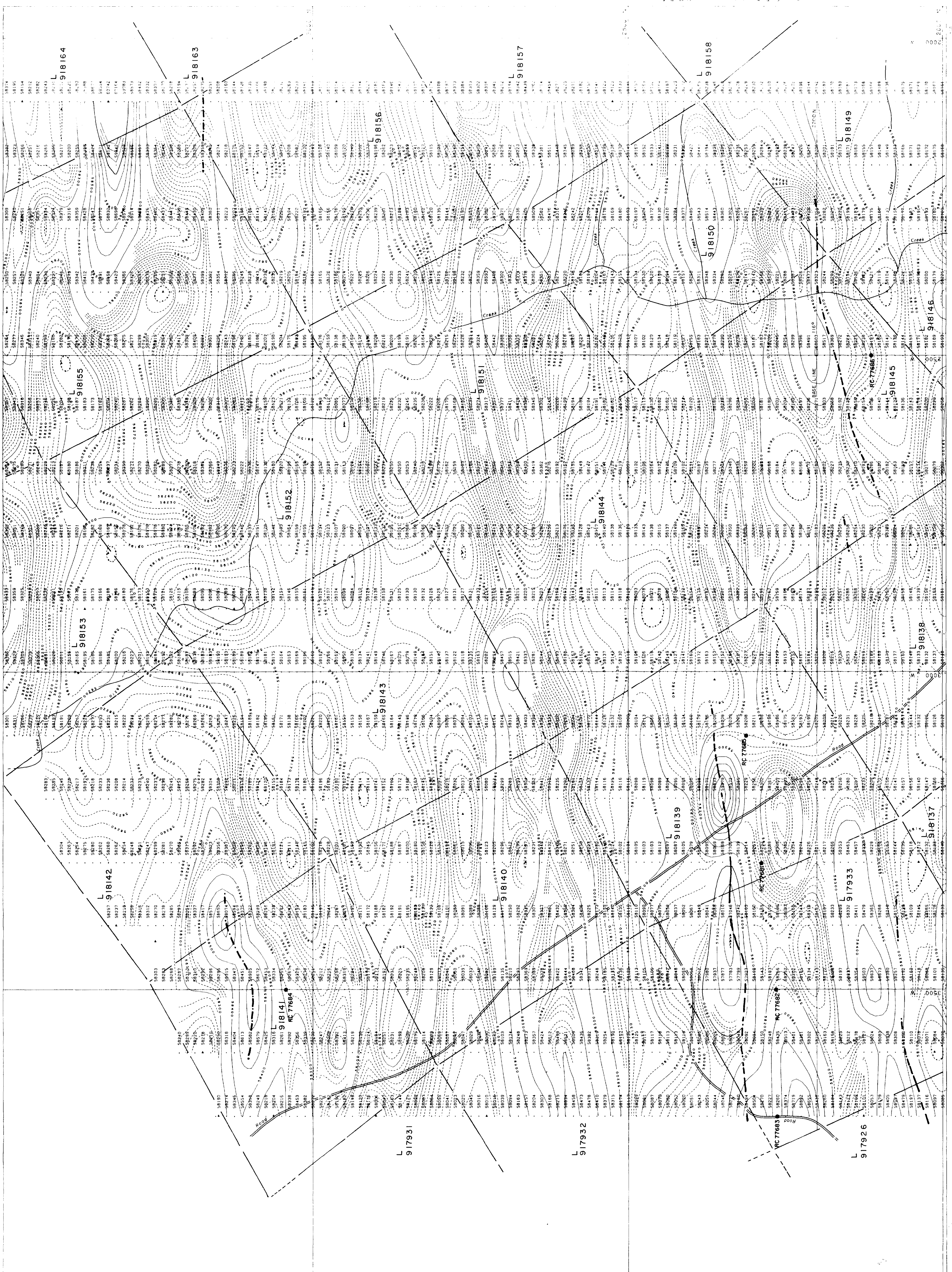
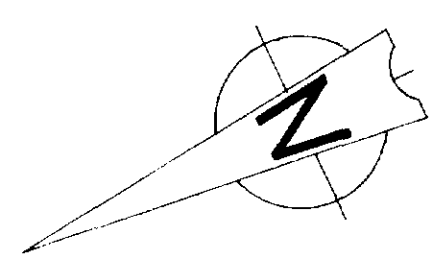
2.11775

D4
F4
F4

Canadian Nickel Company Limited
Cape Breton, Ontario
7500
SHEET D4
FIGURE 4
MAGNETIC SURVEY
AREA ABITIBI LAKE, ONT.
DATE OF SURVEY: MARCH 1987
REVISION: 1
DRAWN BY: J.W.M.
CHECKED BY: J.W.M.
SCALE: AS SHOWN
PROJECT: 88019 MAC
SHEET: 32 E 4



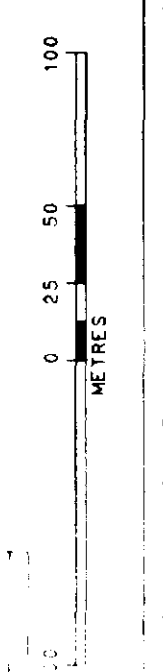
Geology Chart



Magnetometer Readings in nanotesla
Filtered Contours
Spot Interval: 12.5 m
Contour Interval: 10 nT

- LEGEND
- Contour
 - Spot
 - 1000
 - Amplitude Low
 - Contour from H.E.M. Survey
 - RC 77685 Reverse Occupation Boundary

2.11775

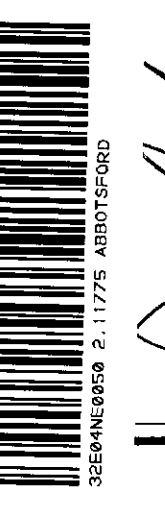


Canadian Nickel Company Limited
MAGNETIC SURVEY

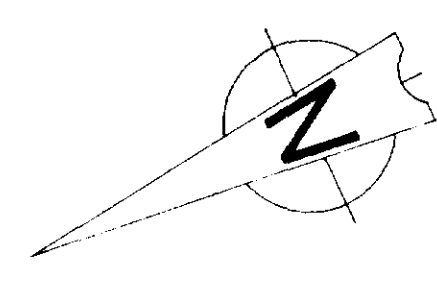
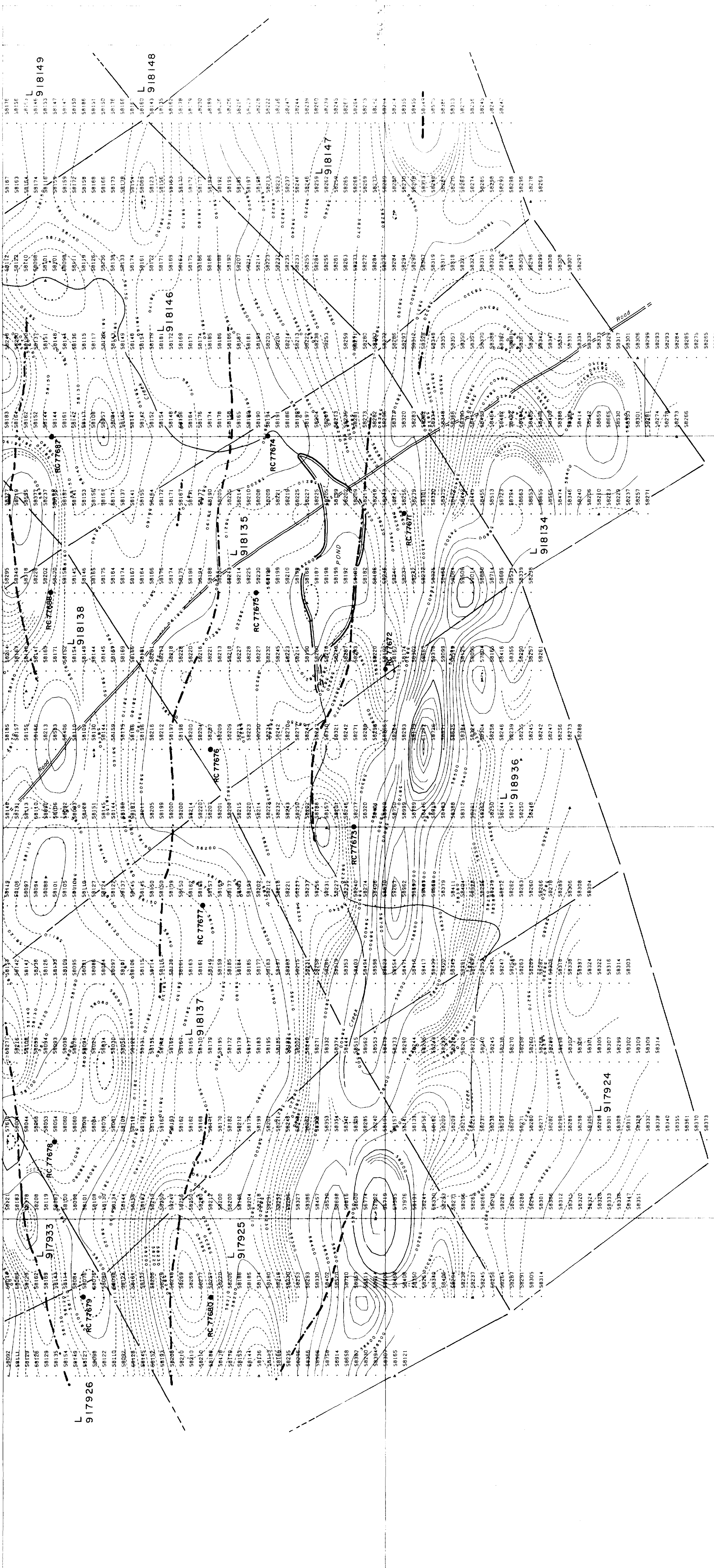
FIGURE E4 4

PROJECT: TOWNSHIP 14E, RANGE 1E, COUNTY OF ABITIBI LAKE, ONT.
DATE: APRIL 1973
BY: J. W. M. M.
REVISED: APRIL 1973
SCALE: 1:5000
SHEET: 32 E 4

D4
E4
F4



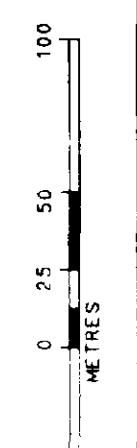
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LEGEND

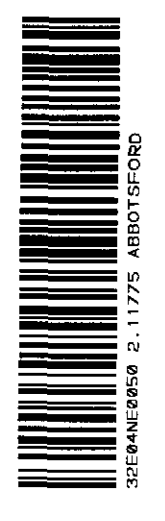
- Magnetometer Readings in nanotesla
- 100 m Contours
- Station Spacing : 12.5 m
- Optical Interval : 10 m
- 10 m
- 100 m
- Contours
- Station Spacing
- Optical Interval
- RC77671 Reverse Circulation Borehole

2.11775

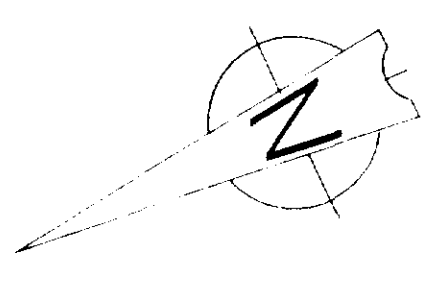


Canadian Nickel Company Limited
 Copper, Cliff, Ontario
MAGNETIC SURVEY
 SHEET F4 4
 FIGURE
 AREA ABITIBI LAKE, ONT.
 DATE OF SURVEY: MARCH 1987
 DRAWN BY: J.W.E.M.
 CHECKED BY: J.W.E.M.
 REVISION: NONE
 PROJECT NO.: 918134
 SHEET NO.: 32 E 4

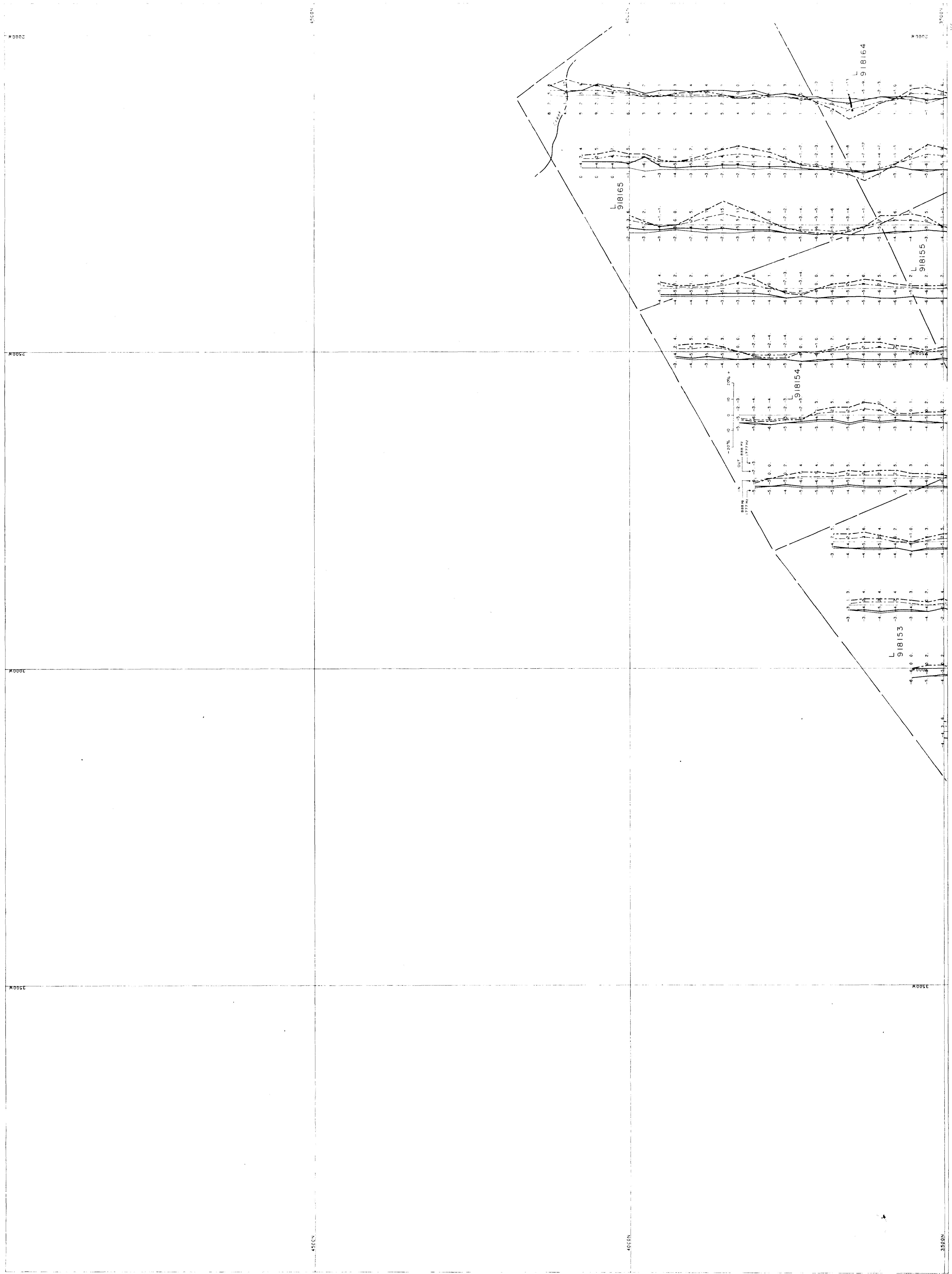
D4
E4
F4



250
Handwritten signature

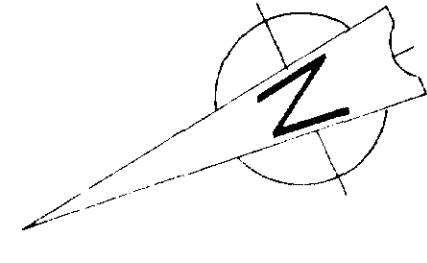


2.11775

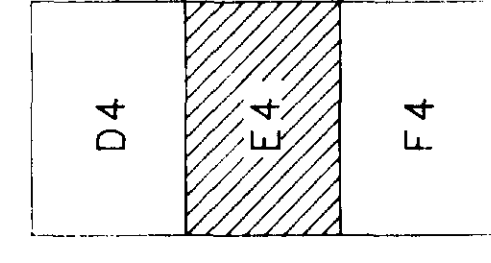
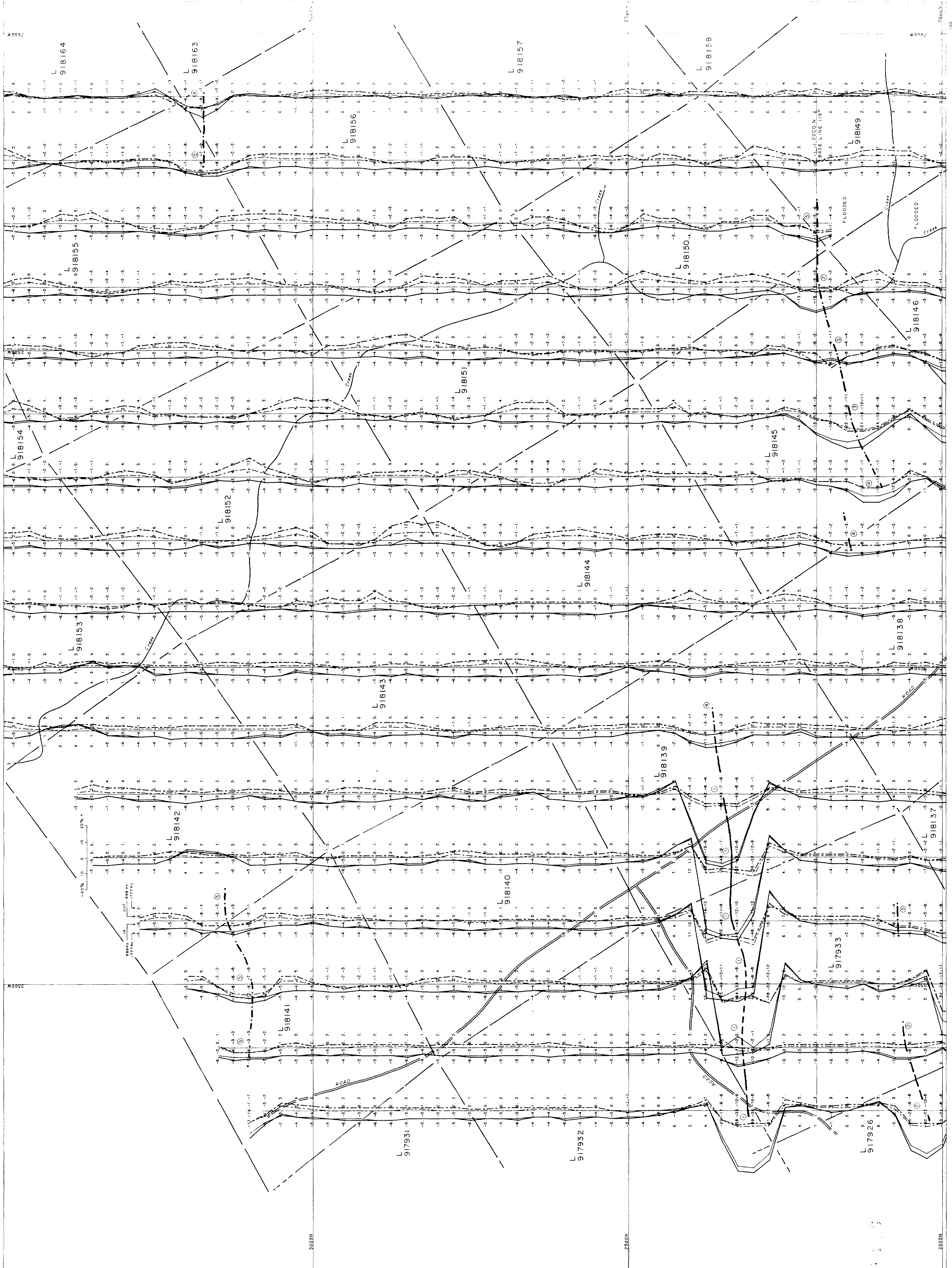


Canadian Nickel Company Limited
 PROJECT: 2.11775
 SHEET: D4
 FIGURE: 5
 AREA: ABITIBI LAKE, ONT.
 DRAWN BY: ZETA (W.E.M.)
 CHECKED BY: [Signature]
 DATE: [Date]
 SCALE: 1:5000
 FILE: AB8164.DWG

D4
E4
F4



2.1175



LEGEND

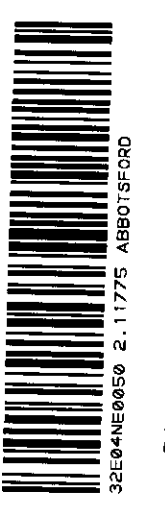
- PROFILES:
- IN PHASE 665 Hz
 - IN PHASE 1777 Hz
 - OUT PHASE 1777 Hz
 - CONDUCTOR EXPOSURE
- CONDUCTORS:
- 1 CM - 10.0 kV
 - 1 CM - 10.0 kV
 - 1 CM - 10.0 kV

Canadian Nickel Company Limited
 Project: HEM SURVEY Area: ABITIBI LAKE, ONT.
 Survey Date: MARCH 1987
 Drawn by: ZETA (W.E.M.)
 Checked by: ZETA (W.E.M.)
 Scale: 1" = 2000'

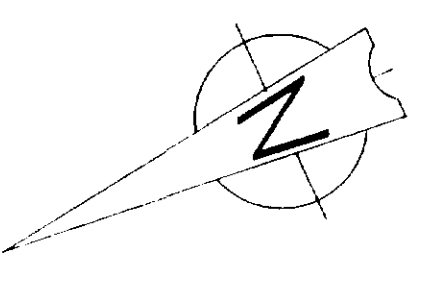
SHEET: E4
 FIGURE: 5

2000N
 2500N
 3500N

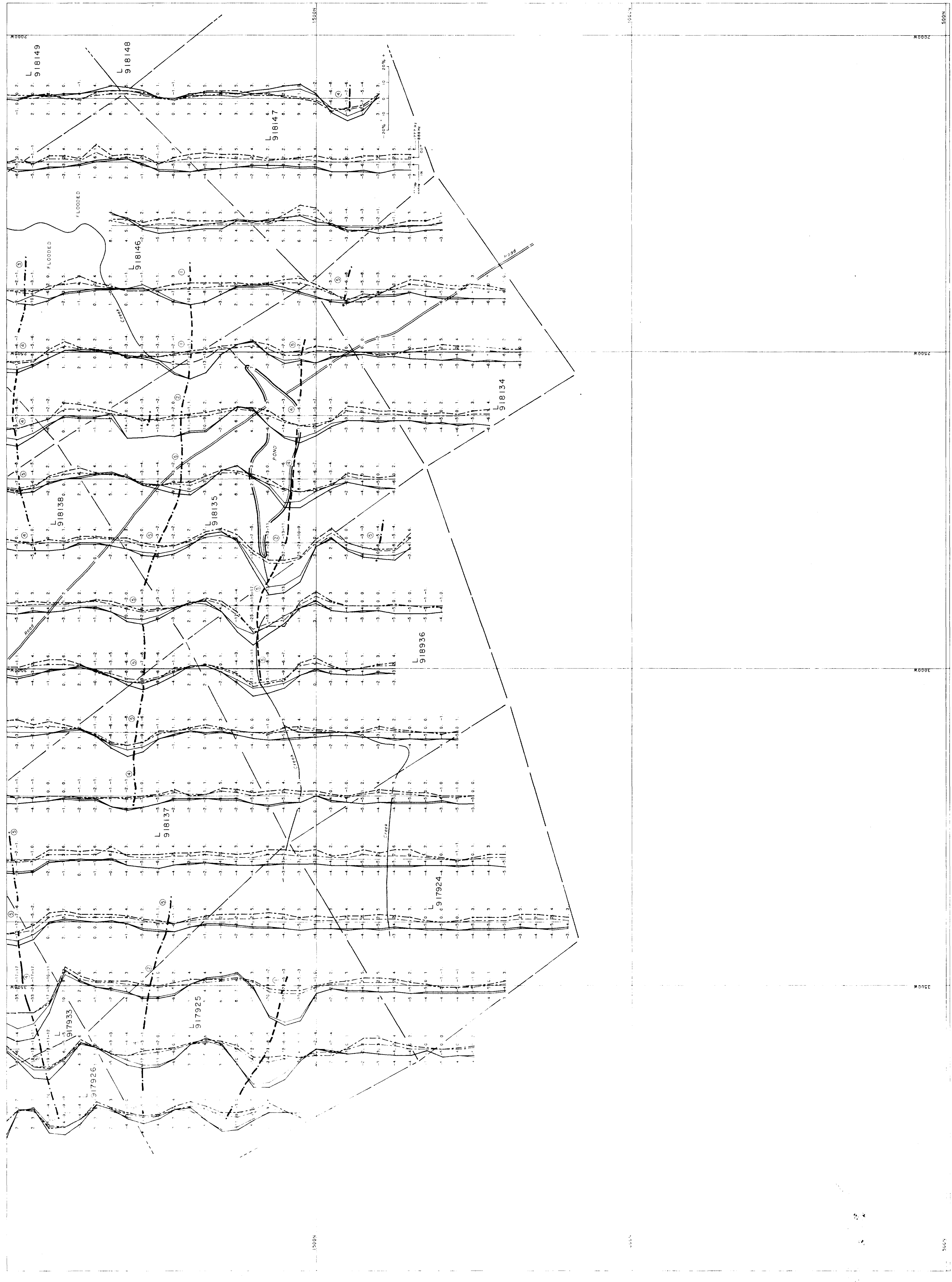
100
 200
 300
 400
 500
 600
 700
 800
 900
 1000



270
 Campbell



2.11775



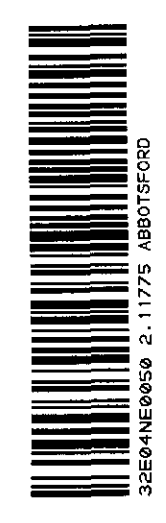
Canadian Nickel Company Limited Super. Cliff. Ontario
 HLEM SURVEY
 Project: TR-100MHP (Abitibi-Top) Area: ABITIBI LAKE, ONT.
 Surveyor: B. LO Instrument: MAX-MIN II Survey Date: MARCH 1987
 Drawn by: ZETA (V.E.W.) Date Drawn: 9-MAY-87
 Scale: 1 TO 2500 File: ABBILP SF4 N.T.S. 32 E 4

D4
E4
F4

LEGEND

PROFILES
 IN PHASE 888 HZ
 OUT PHASE 688 HZ
 IN PHASE 1777 HZ
 OUT PHASE 1777 HZ
 COIL SEPARATION: 100m
 CONDUCTOR POSITION: 100m

CONDUCTORS
 1 CM - 10.0 K
 1 CM - 10.0 K
 1 CM - 10.0 K
 1 CM - 10.0 K



280
Handy Chart