

6203

GEOCHEMICAL REPORT

ON THE

HI, WIT, SUN, LOW, SHORE, CORE M.C.'s

JOHN SCHUSSLER - OWNER-AGENT

EALUE LAKE - LIARD M.D.

Latitude 57°46'N, Longitude 129°47'W

N.T.S. 104-H-13

WESFROB MINES LIMITED

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. 6203

MAP NO. _____

Vancouver, B.C.

D.H. Brown, P.Eng.

February 18, 1977

C O N T E N T S

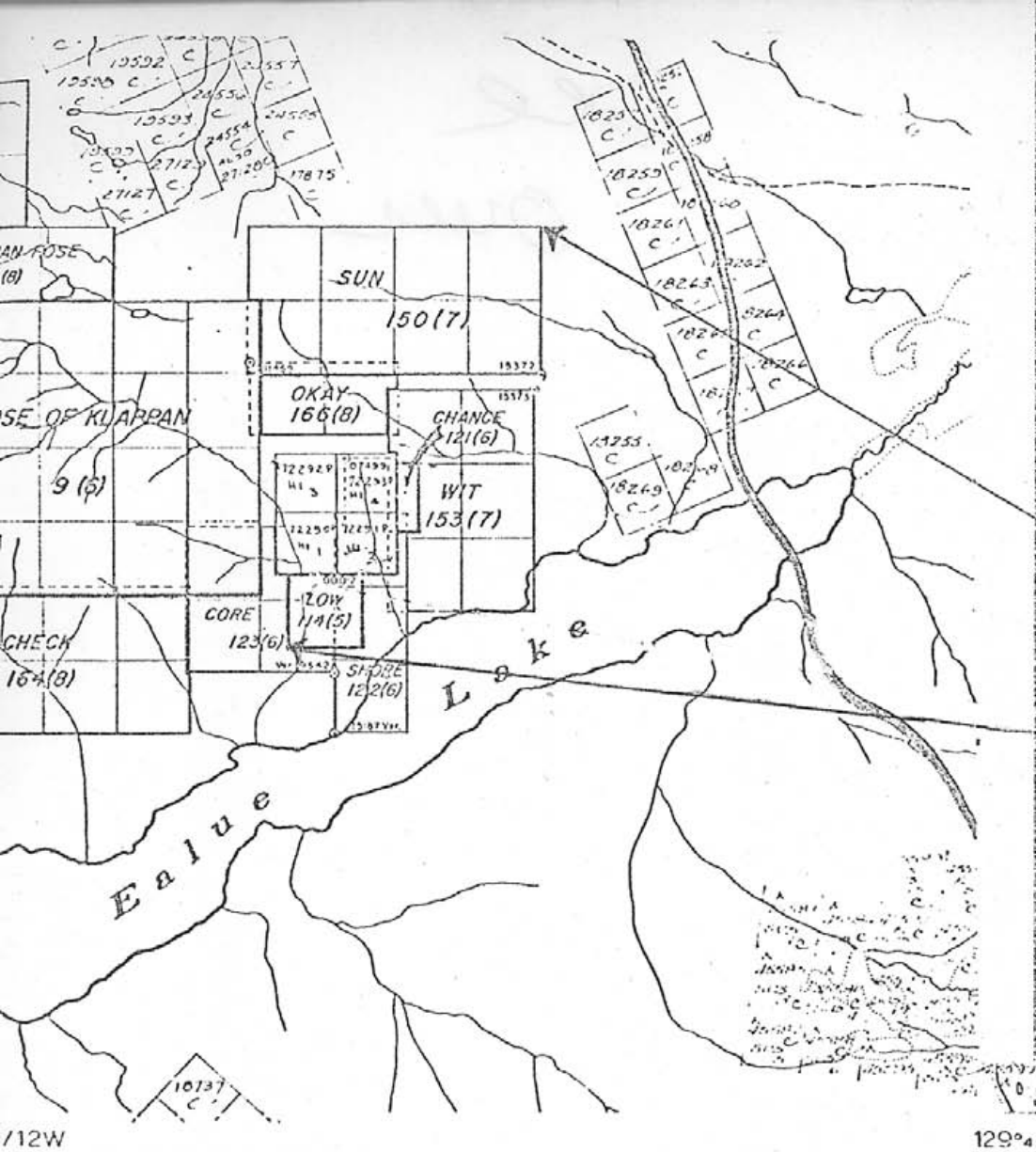
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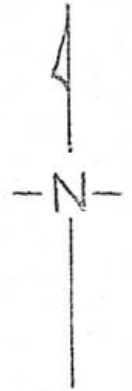


PETROLEUM RESOURCES
C.

This map is prepared to serve as a guide to the positions of located mineral claim and Placer Mining Leases only. Unsurveyed mineral claims are shown as dashed lines.

1 : 250,000

LOCATION MAP
EALUE LAKE MC's
HI GROUP



D.H.B.

FEB. 1977

GEOCHEMICAL SURVEY

HI GROUP CLAIMS - EALUE LAKE, B.C.

Introduction

After cutting and chaining 876 meters of base line (June 26-28, 1976) and chaining 18,528 meters of cross line (July 2-6, 1976) a geochemical soil sampling program involving four Falconbridge Nickel Mines Limited personnel was carried out during which 529 soil samples were collected for analysis. The work was done on the Wit, Hi 1-4 and Sun Claims.

Location and Access (Latitude 57°46'N, 129°47'W)

The property (Hi Group) is located on Ehahcezetle Mountain on the Klastline Plateau, seven miles northeast of the south end of Eddontenajon Lake and one to two miles north of Ealue Lake. Elevations on the property range between 3500 and 4500 feet. The topography of the surveyed area lies on the side of a steep, south-sloping hill which is lightly forested. The north part of the grid has a considerable amount of outcrop. The property is reached by a good secondary road that angles east from the Stewart-Cassiar road just north of the settlement of Tatogga near the south end of Eddontenajon Lake. The property is north of the road at a point eight miles from Tatogga.

General Geology

The property is underlain by Triassic volcanic, volcanoclastic and minor sedimentary rocks of the Takla Group. Small, undifferentiated granitic intrusive stocks have been mapped within the rocks above-

mentioned but are not evident on the surface of the area surveyed. A quartz Feldspar porphyry dyke or sill was intersected in one vertical drill hole on the north side of the Low claim.

Scope of Survey

A north-south baseline was run for 1825 m. from the south boundary of the Low claim north through the Low, Hi 1,2 and 4 to a point 336 m. north of the southern Sun claim boundary. On the east side of the base line from the south end four lines were run at 120 m. intervals for 1400 m. followed at 188 m. intervals by two lines for 1400 m. and followed at 245 m. intervals by three lines for 1400 m. Lines west of the base line were run at 120 m. intervals to the limits of the Hi claims. The two lines on the Sun claims were continuations to the west for 456 m. of the 245 m. interval lines to the east.

Method of Survey

Soil samples were collected at 30 m. intervals along the cross lines. Short handled shovels were used for obtaining "B" horizon samples being careful to remove all organic material from the sample. About 500 g. of the sample was placed in numbered water-resistant manilla envelopes which were parcelled in numerical order in shipping boxes.

Analysis

The samples were sent to Bondar-Clegg laboratories in Vancouver with instructions to be dried in a gas-fired hot-air oven, sieved through 80 mesh sieve and the undersize analysed using standard A.A procedures

for hot acid extractable zinc and copper.

Results and Interpretation

When received, the results of analysis for Zn and Cu were plotted on the lines where taken, each on a separate plan marked Fig. 1 and Fig. 2 respectively.

The zinc values ranged from less than 100 to 1300 p.p.m. and were contoured for values between 150 and 300 p.p.m. and for values >300 p.p.m. The copper values ranged from less than 100 to 2800 p.p.m. and were contoured for values between 150 and 300 p.p.m. and for values >300 p.p.m.

The contour results for zinc show a large area between lines L20S and L28S of +300 p.p.m. values extending from the base line east for 840 m. A weaker group of +300 p.p.m. highs then extend from L28S and the base line for 960 m. to the northwest limit of the survey on Hi #3. The contour results for copper show a strong group of +300 p.p.m. values extending from L28S and the base line, the south limit of the survey, for 960 m. to the northwest limit of the survey on claim Hi #3.

The coincidence of the anomalous copper and zinc values on the Low, Hi #1 and Hi #3 claims is of particular interest. The reason for lack of copper support for the zinc anomaly running E-W on the Wit claims is not known.

Conclusion

Zones of significant mineralogical interest have been indicated on the Hi Group property by this geochemical survey which definitely warrants further investigation.

L. H. Brown P. Eng.

COST STATEMENT
OF
GEOCHEMICAL SURVEY ON
HI GROUP M.C.'s
Latitude 57°46'N, Longitude 129°47'W
LIARD MINING DIVISION

<u>Period</u>	<u>Name</u>	<u>No. Days</u>	<u>Daily Rate</u>	<u>Total</u>
<u>Line-cutting-base line</u>				
June 26-28, 1976	S. Zastavnikovich	3	\$ 73.71	\$ 221.13
June 26-28, 1976	K. Christensen	3	56.00	168.00
June 26-28, 1976	B. Walker	3	38.18,	114.54
<u>Chaining Crosslines and Soil Sampling</u>				
July 2-16, 1976	T. Terriff	15	56.00	840.00
July 2-16, 1976	B. Walker	15	38.18	572.70
<u>Supervision and Report Writing</u>				
Jan.17-19, 1977	S. Zastavnikovich	3.0	73.71	221.13
Feb.9-10, 1977	K. Esson	1.5	73.01	109.52
Feb.15, 1977	D.H. Brown, P.Eng.	1.5	100.00	150.00
Total Labour				\$2,397.02
<u>Transportation</u>				
Helicopter	4 x ½ hr x \$260.00			520.00
Truck				360.00
Camp Supplies				390.00
Printing & Drafting				20.00
GeoChem Sample Analysis	529 x \$1.75			925.75
				\$4,612.77
Meters of line	18,528 m.			



WESFROB MINES LIMITED

(A wholly owned subsidiary of Falconbridge Nickel Mines Limited)

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Telex 04-53245

February 23, 1977

The Mining Recorder
Liard Mining Division
Department of Mines and Petroleum Resources
Victoria, B.C.

Dear Sir:

Statement of Qualifications of Participants

This is to certify that the geochemical survey covered by this report was carried out by Falconbridge Nickel Mines Limited personnel.

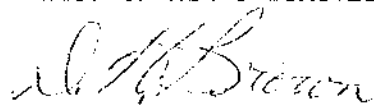
S. Zastavnikovich, geochemical technician and K. Christensen, prospector are both Falconbridge employees of long standing trained in geophysical procedures by Dr. Ivor L. Elliott, Chief Geochemist for the Company.

T. Terriff, B.Sc., a graduate of the University of Calgary (1974) and Brent Walker, a 2nd year U.B.C. student were trained in the field in Falconbridge geochemical techniques.

I, David H. Brown, B.S.Sc. am a graduate of U.B.C. in geological engineering.

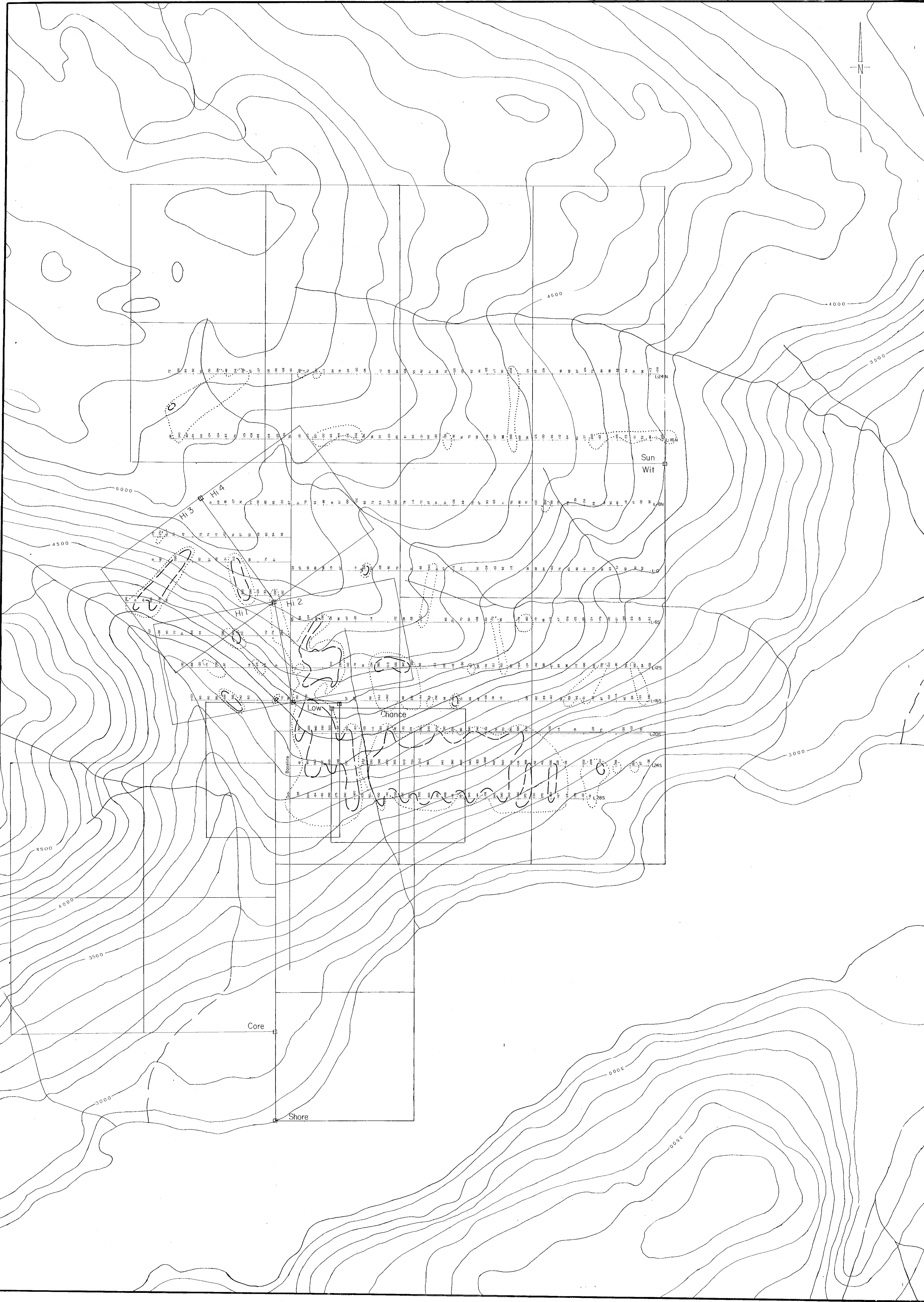
Yours truly,

WESTROB MINES LIMITED


D.H. Brown, P.Eng.

DHB/b

Encl.

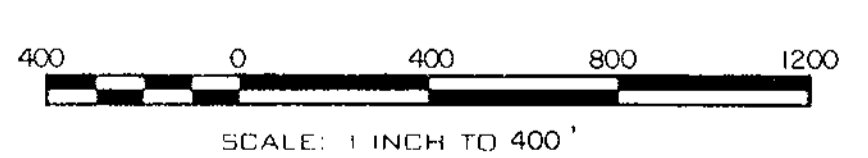
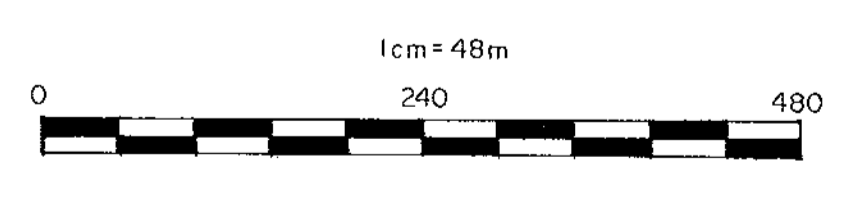


Zinc

- 150 - 300ppm
- >300ppm

6203

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
No. 6203
MAP NO. _____



FALCONBRIDGE NICKEL MINES LIMITED

PROJECT:
Eagle Lake Claims

LOCATION:
57°46'N - 129°47'W

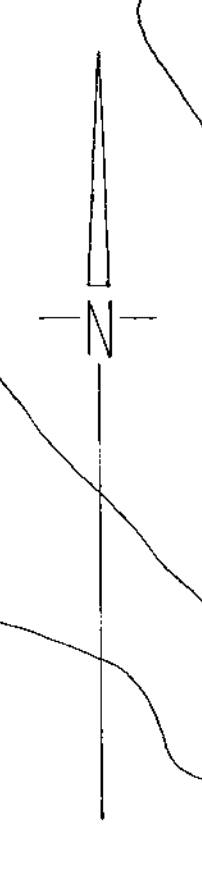
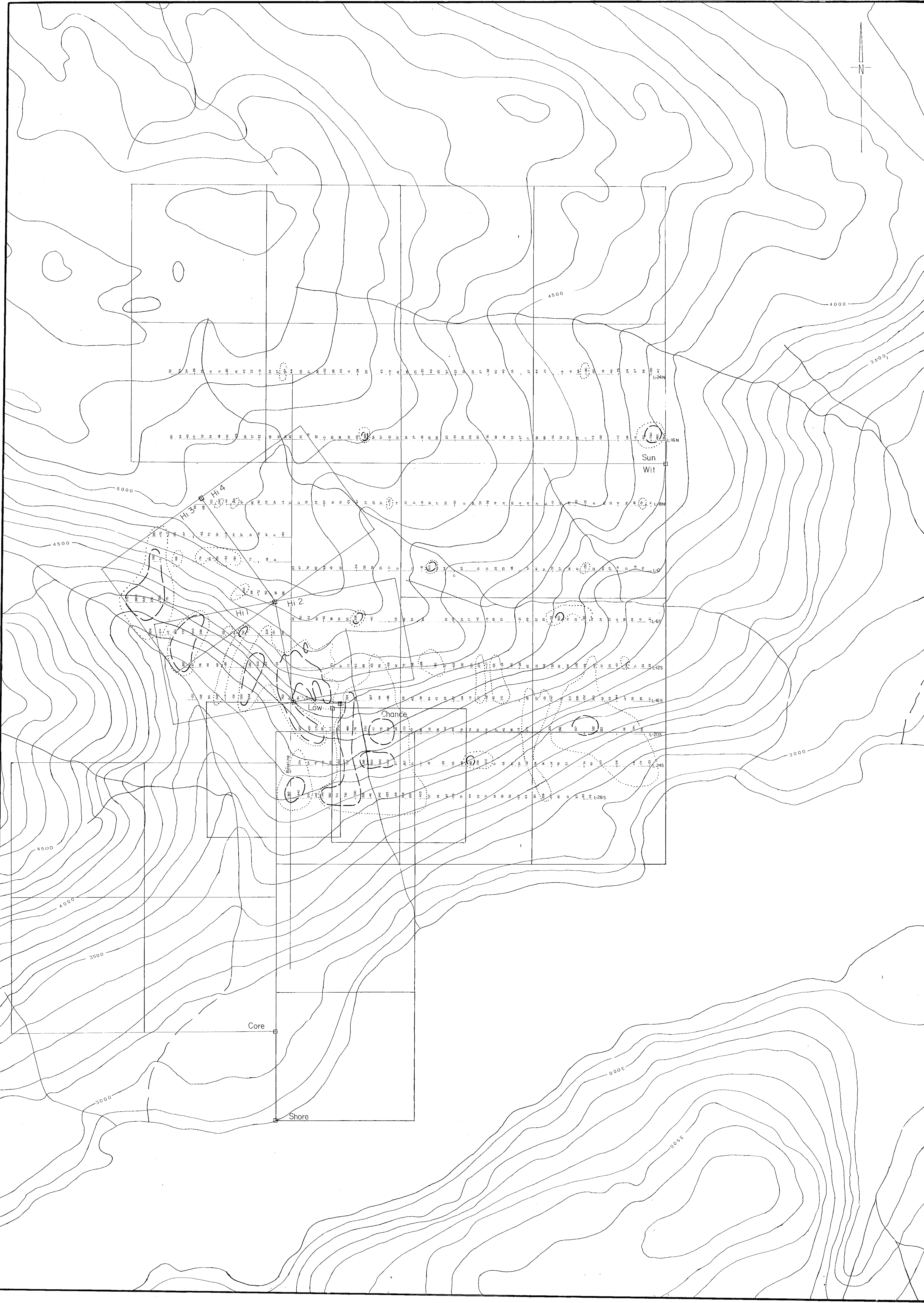
TYPE OF MAP:
Geochemistry - Zn in soils

WORKING PLACE: Eagle L. Grid
BASED ON: Fieldwork

DATE OF WORK: June 26 - July 6, 1975
DRAWN BY: T.T. RE
DATE: Feb 10/77

MAP REF. NO.:
FIG. NO.: 1

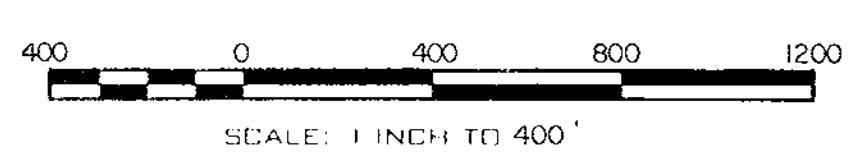
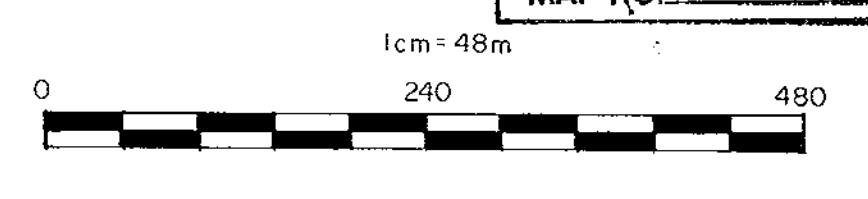
N.T.S. NO. 104H13W



Copper
 150 - 300 ppm
 - - - - - >300 ppm

6203

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6203
 MAP NO.



FALCONBRIDGE NICKEL MINES LIMITED
 PROJECT
 Ealue Lake Claims
 LOCATION
 57°46'N - 129°47'W
 TYPE OF DATA
 Geochemistry - Cu in soils
 WORKING PLACE: Ealue L. Grid
 BASED ON: Fieldwork
 DATE OF WORK: June 26 - July 16 76
 DRAWN BY: T.T. RE
 DATE: Feb 10/77
 MAP REF. NO.:
 FIG. NO.:
 2
 N.T.S. NO.: 104H-13W