

GEOCHEMICAL SURVEY

ON

CATFACE CLAIMS

1963

Vancouver, B. C.  
March 5, 1964

H. S. Lazenby  
Geologist.

# C O N T E N T S

	<u>Page</u>
INTRODUCTION .....	1
METHOD OF SURVEY .....	1
INTERPRETATION OF RESULTS .....	2
STATEMENT OF WORK DONE	
STATEMENT OF QUALIFICATIONS	
STATEMENT OF PROFESSIONAL EXPERIENCE	
STATEMENT OF QUALIFICATIONS BY DR. A. SMITH	

Maps accompanying report:

<b>1</b>	CATFACE LOCATION MAP	Frontespiece
<b>2</b>	CATFACE CLAIM MAPS	In pocket
<b>3</b>	A GRID GEOCHEMICAL SURVEY	" "
<b>4</b>	B GRID " "	" "
<b>5</b>	HECATE BAY GRID " "	" "

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO **540** MAP .....

## GEOCHEMICAL SURVEY ON CATFACE CLAIMS

1963

### INTRODUCTION

The Catface mineral claims lie on the southwest end of the Catface peninsula, approximately 7 miles north of Tofino, B.C. in the Alberni Mining Division.

Between September 19 and December 12, 1963, a geochemical survey was run covering three areas on the property. The areas include all or part of claims Catface #18, 19, 37, 38, 39, 40; Catface #3, 11; Catface #52, 53, 63, 65.

The work was done by a specially qualified geochemical field operator and his helpers.

Three grids were covered, totalling over 86,000 feet of line; approximately 66,000 feet in the A grid, 11,000 feet in the B grid, and 9,000 feet in the Hecate Bay grid. The relation of these grids to the claim boundaries is shown on Fig. 4 accompanying this report.

### METHOD OF SURVEY

Samples of the sub-humus soil layer were collected at 50-foot intervals on all survey lines, marked, and put into individual polyethelene bags. At the end of the day, the rubeanic field test for copper was made and the results plotted.

Each soil sample was shaken with a strong acetate solution in a small test tube. The mud was poured into a small filter, the tip of which was resting upon a strip of reagent paper impregnated with rubeanic acid. The intensity of the spot formed on the paper was noted and plotted.

A legend on each plan shows a conversion to parts per million of copper.

#### INTERPRETATION OF RESULTS

Soil samples taken from different areas where copper is known to occur have been tested. The tests suggest that values of 8 and over represent anomalies of interest; i.e., areas containing 10 or greater parts per million of copper.

##### Irishman Creek (A Grid)

A fairly strong anomaly is present in the south east section of the area.

As yet the source of the copper is undetermined. It is possible that it may be an overburden-covered stock or dyke related to the main quartz monzonite core outcropping to the south west. Another possibility is that the copper has migrated from the top of the hill to the south where it is known to occur in quartz monzonite.

Further work is warranted to the south and east before coming to any definite conclusion.

##### South Cliff Showing (B Grid)

The highest value obtained on this grid was from 5 to 10 ppm Copper. As this occurred in only one sample, it is felt that this area is not of interest.

##### Hecate Bay Grid

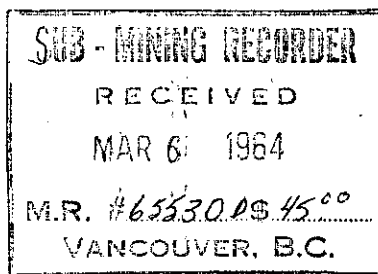
Four small anomalous areas appear on this grid showing from 10 - 15 ppm Copper. They line up fairly well and possibly represent a deposit of interest. Further sampling between these anomalies is desirable in order to get a more complete picture.

DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.

In the Matter of

Geochemical Work at  
Catface Copper

To Wit:



I, H. S. Lazenby

of Catface Copper Mines Ltd.

in the Province of British Columbia, do solemnly declare that the following work was done -

W. R. Schwartz - Geochemical operator	19 Sept. to 12 Dec., 1963	31 days @ \$15.60	\$ 483.60
D. Randall - Helper	19 Sept. to 12 Dec., 1963	31 days @ \$15.00	465.00
M. A. Donahue - Helper	19 Sept. to 12 Dec., 1963	32 days @ \$15.00	480.00
T. H. Cross - Helper	19 Sept. to 12 Dec., 1963	32 days @ \$15.00	<u>480.00</u>
			\$1,908.60

To be divided as follows:

A grid 66,000'	= 76.7%	= \$1,463.89
B grid 11,000'	= 12.8%	= 244.30
Hecate Bay 9,000'	= 10.5%	= 200.41

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*  
of *Vancouver*, in the  
Province of British Columbia, this *6*  
day of *March* *1964*, A.D.

A handwritten signature in dark ink, appearing to read "H. S. Lazenby".

*Jill Turner*  
A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia.

Sub-mining Recorder


## STATEMENT OF QUALIFICATIONS

Graduated B.A. in Geology from the University of B.C.  
in May, 1955.

## PROFESSIONAL EXPERIENCE

1. 1955 - 1956      Geologist, Rio Canadian Exploration Ltd.,  
engaged in mineral exploration in B.C. and Quebec.
2. 1957            Geologist, Rio Tinto Finance and Exploration Ltd.,  
engaged in mineral exploration in British Guiana.
3. 1957 - 1960    Geologist, Northspan Uranium Mines Ltd., Lacnor Mine -  
engaged in mapping, grade control, diamond drill  
supervision.
4. 1960 - 1964    Geologist, Quebec Metallurgical Industries Ltd.,  
Frobisher Ltd., Ventures Ltd., Falconbridge Nickel  
Mines Ltd., engaged in mineral exploration in B.C.

Vancouver, B. C.  
March 5, 1964

  
H. S. Lazenby,  
Geologist.

File #8550

March 5, 1964

The Mining Recorder,  
Vancouver,  
B. C.

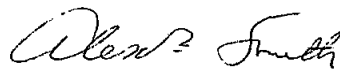
Dear Sir:

This is to certify that the work and report of H. S. Lazenby of 5th of March covering the geochemical survey of the Catface Claims #18, 19, 37, 38, 39, 40; 3, 11; 52, 53, 63, 65 was done under my supervision.

Mr. Lazenby is fully qualified as a geologist with 8 years' field and underground experience since graduation and the geochemical operator, W. R. Schwartz, has been employed by us as a senior prospector and geochemical operator for the past three years.

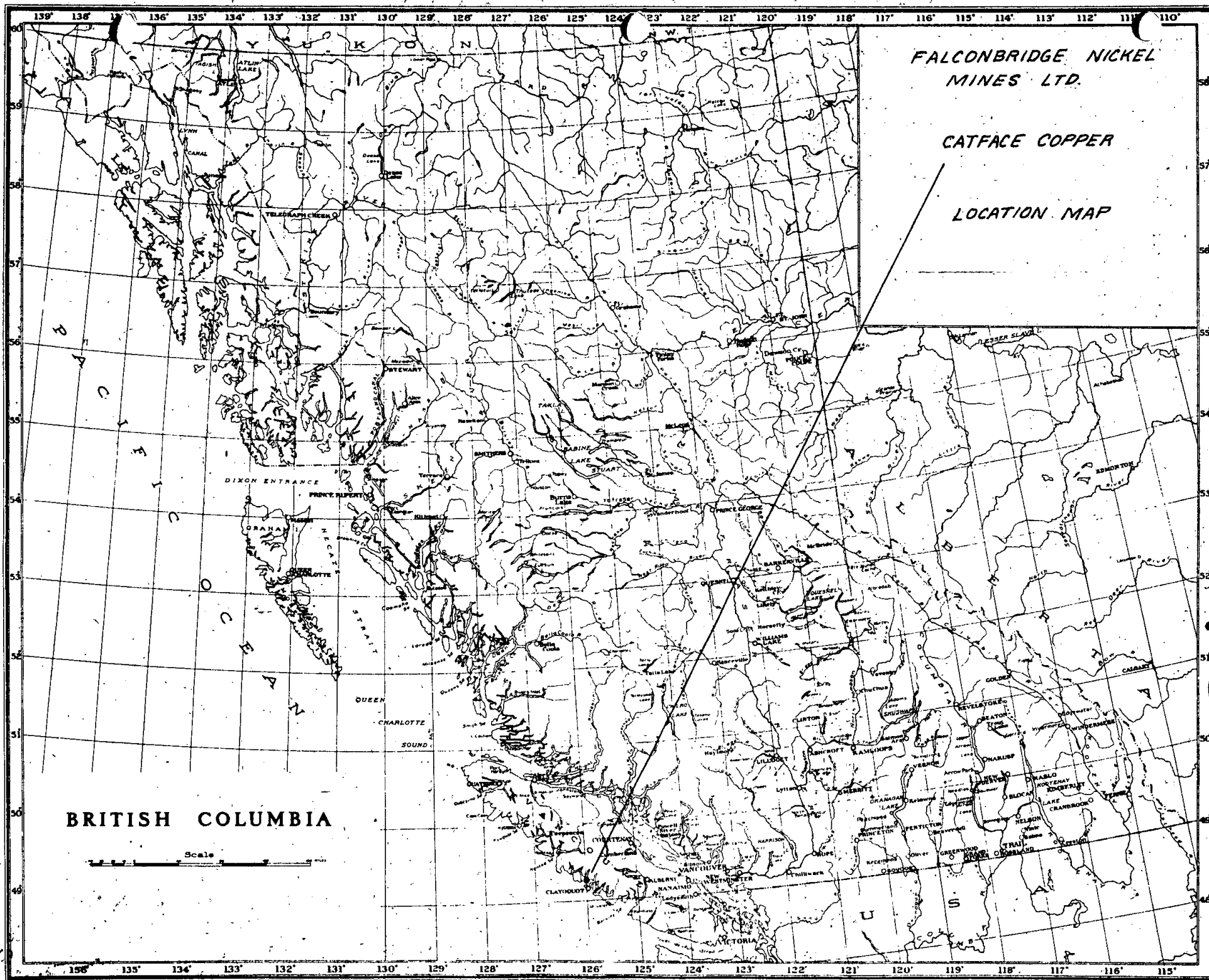
Yours very truly,

FALCONBRIDGE NICKEL MINES LIMITED



AS:MH

Alex Smith, P. Eng.



FALCONBRIDGE NICKEL  
MINES LTD.

CATFACE COPPER

LOCATION MAP

BRITISH COLUMBIA

Scale

540



## GATFACE CLAIMS

Fig 4.

Map to accompany report by H.S. Lozenby  
on geochemical survey of part of  
'Cattface' claims, Catface peninsula, Alberni M.D.  
dated 5 March, 1964.

Thakur

SCALE:  $1'' = 1500'$

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 540 MIP 2





Map to accompany report by H.S. Lacey  
on geochemical survey of part of 'Cathar'  
claims, Catface peninsula, Alderney, N.E.D.  
dated 9 March, 1969.

M2

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
No. 540 MAP 3



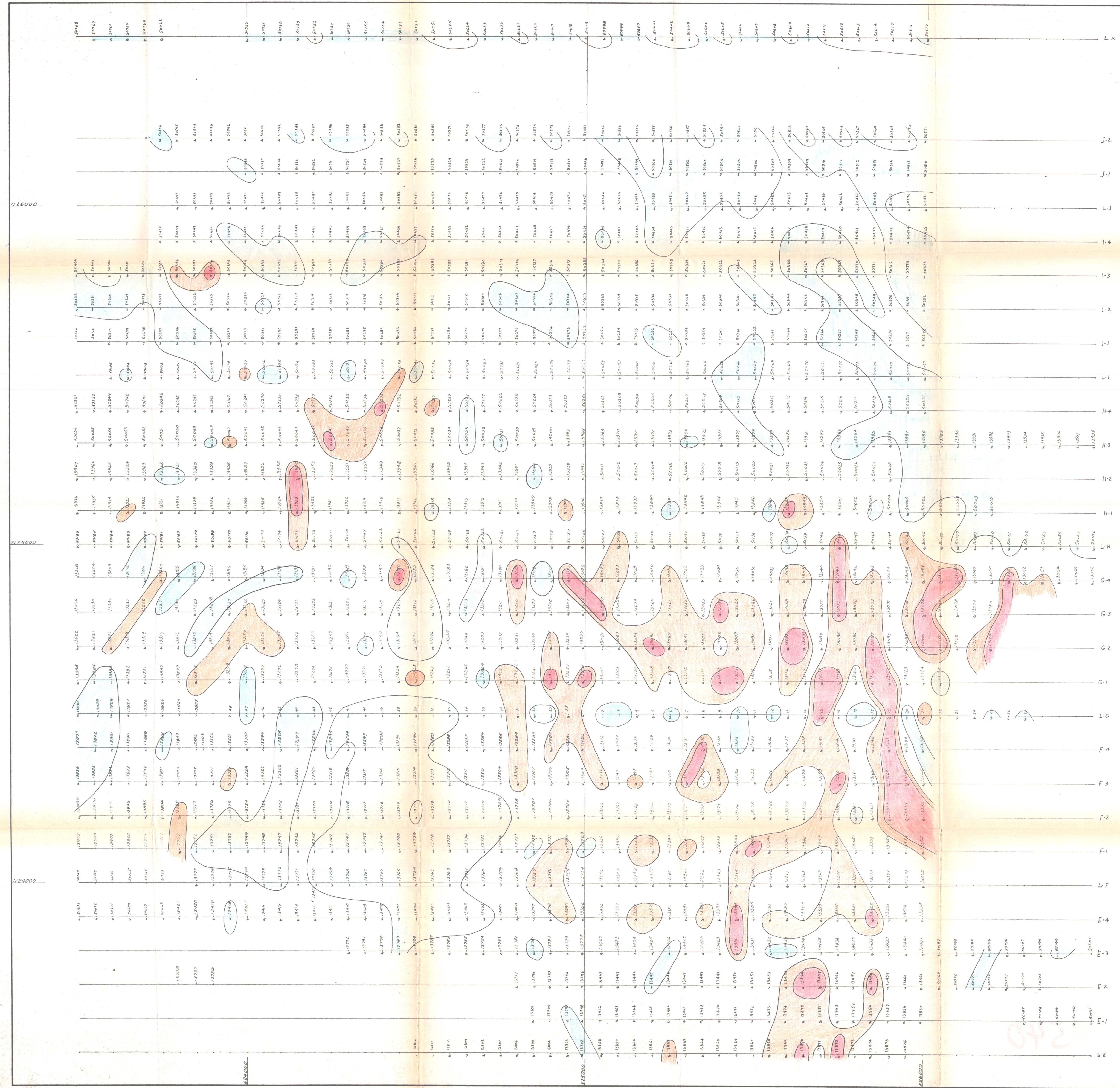
FALCONBRIDGE NICKEL MINES LTD  
CATFACE AREA, TOFINO, BC.  
SOIL SAMPLING SURVEY  
A GRID  
100 200 300  
Feet  
Nov. 1963 W.S.

LEGEND

- 1 = 0 - 0.4 ppm
- 2 = 0.4 - 0.8 ppm
- 3 = 0.8 - 1.2 ppm
- 4 = 1.2 - 2.0 ppm
- 5 = 2.0 - 3.0 ppm
- 6 = 3.0 - 5.0 ppm
- 7 = 5.0 - 10.0 ppm
- 8 = 10.0 - 15.0 ppm
- 9 = 15.0 - 20.0 ppm
- 10 = 20+ ppm

13742 = sample number

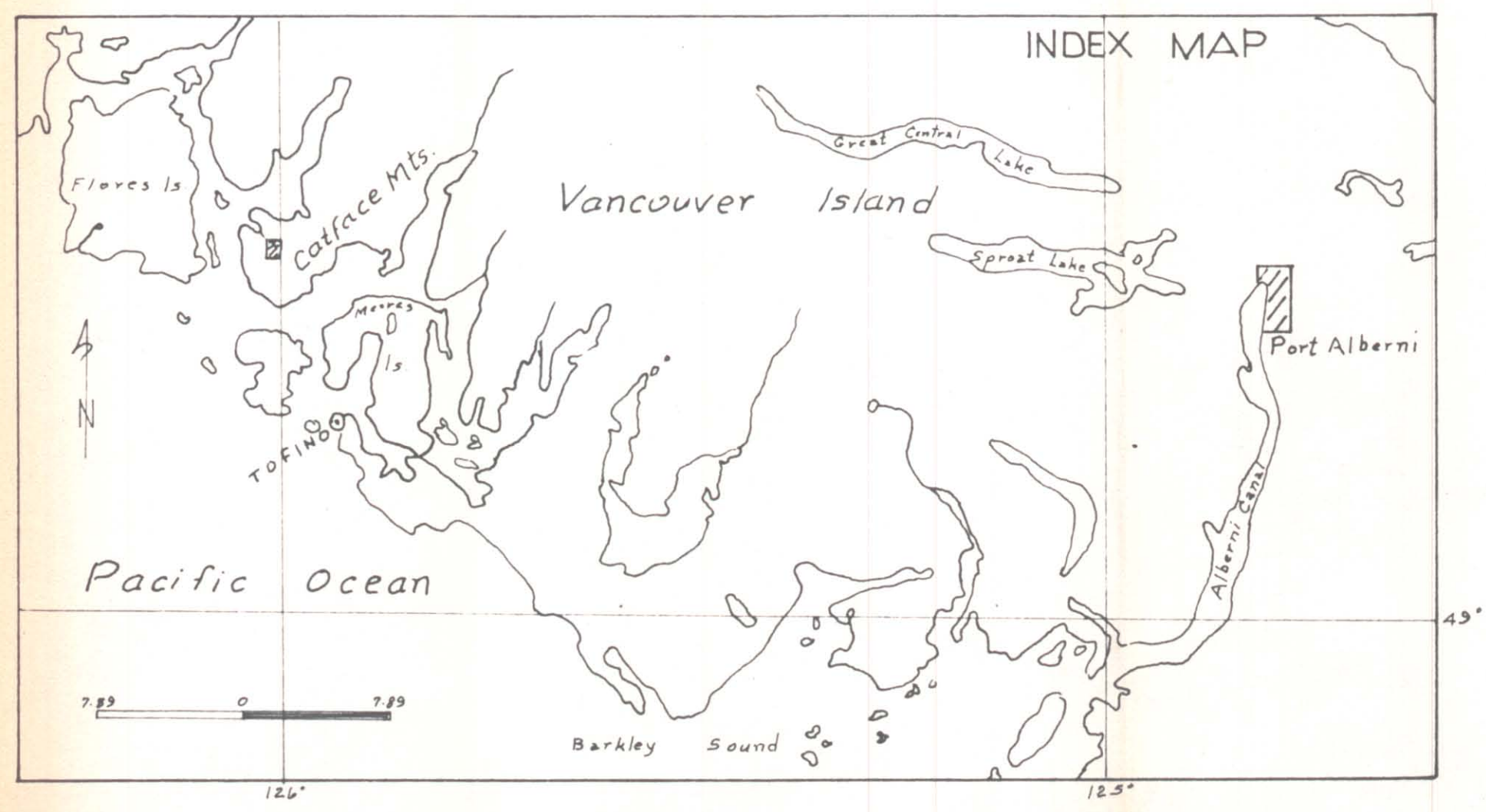
540





N 21000

N 25500



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 540 MAP 4

Map to accompany report by H.S. Lazenby  
on geochemical survey of part of Catface  
claims, Catface peninsula, Alberni M.D.  
dated 5 March, 1964. *H.S. Lazenby*

LEGEND

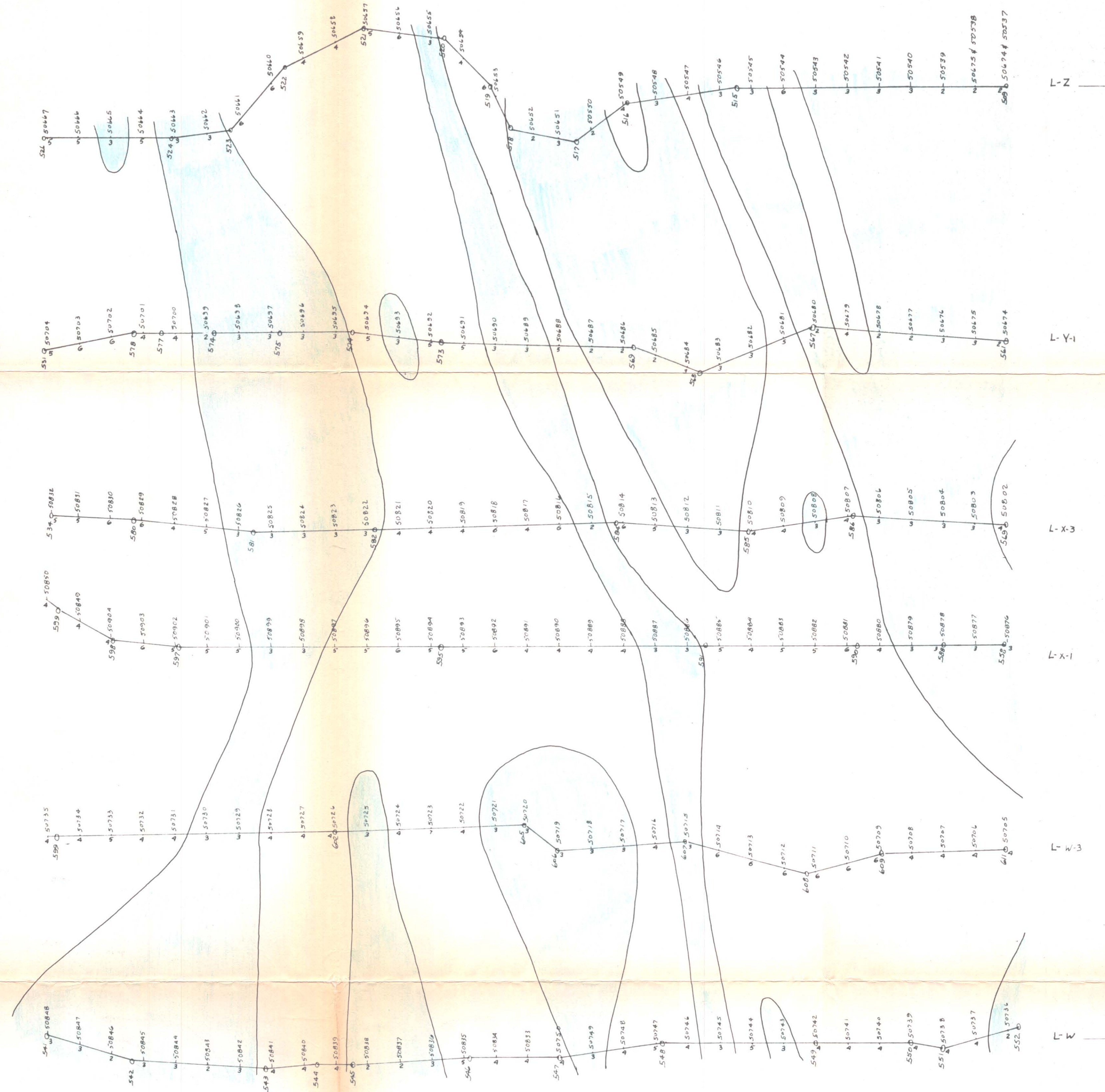
- 1 = 0 - 0.4 ppm
  - 2 = 0.4 - 0.8 ppm
  - 3 = 0.8 - 1.2 ppm
  - 4 = 1.2 - 2.0 ppm
  - 5 = 2.0 - 3.0 ppm
  - 6 = 3.0 - 5.0 ppm
  - 7 = 5.0 - 10.0 ppm
  - 8 = 10.0 - 15.0 ppm
  - 9 = 15.0 - 20.0 ppm
  - 10 = 20+ ppm
- 13742 = sample number

FALCONBRIDGE NICKEL MINES LTD.  
CATFACE AREA, TOFINO, BC.  
B GRID  
SOIL SAMPLING SURVEY

100' 0 100' 200' 300'  
Feet

NOV. 1963 W.S.

540



LE55000

LE55000



Map to accompany report by N.S. Lazarby  
on geochemical survey of part of 'Cattface'  
claims, Catface peninsula, Hibernia M.D.  
dated 5 March, 1964.

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 540 MAP 5

LEGEND

- 1 = 0 - 0.4 ppm
- 2 = 0.4 - 0.8 ppm
- 3 = 0.8 - 1.2 ppm
- 4 = 1.2 - 2.0 ppm
- 5 = 2.0 - 3.0 ppm
- 6 = 3.0 - 5.0 ppm
- 7 = 5.0 - 10.0 ppm
- 8 = 10.0 - 15.0 ppm
- 9 = 15.0 - 20.0 ppm
- 10 = 20+ ppm

13742 = sample number

N 19,500

N 18,000

N

E 31,000

E 32,500



SCALE: 1 INCH TO 100 FEET

COMPANY . . FALCONBRIDGE NICKEL MINES LTD.  
PROPERTY . . CATFACE COPPER  
LOCATION . . MAP 92-F-4, TOFINO, B.C.

WORKING PLACE . . HECATE BAY SHOWING  
TYPE OF MAP . . SOIL SAMPLING PLAN  
BASED ON . . WORK BY R.S. McBURNEY

DATE . . 4 FEB, 1964  
DRAWN BY . . HSL  
DATE OF WORK . . DEC, 1963

042

540