

2543

GEOCHEMICAL REPORT

ON

DELSAUTO AND DELSANTO CLAIMS

QUICK, B.C.

1969

N.T.S. 93 L 10

OMINECA MINING DIVISION

Vancouver, B.C.

August 31, 1970

D. H. Brown



Falconbridge Nickel Mines Limited
 Location Map of Del Santos Claims

Scale 1" = 50,000

C O N T E N T S

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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2543 MAP

GEOCHEMICAL REPORT

ON

DELSAUTO AND DELSANTO CLAIMS

QUICK, B.C.

1969

LOCATION AND ACCESS

The Delsauto 13-20, Delsanto 21-31, Delsanto 32, Delsanto 1-2 and Delsanto 3-12 claims are owned by Melvin Chapman and F. D. Madigan of Smithers and Telkwa, B.C. and have been optioned by Falconbridge Nickel Mines Ltd..

This group of claims are located at approximately 54°40' N and 126°40' W and are ten miles distant to the east by the Kerr Rd. from Highway 16 near Quick, B.C.

METHOD OF SURVEY

Between Aug. 28, 1969 and Sept. 8, 1969, a geochemical survey was completed over a part of the group. A total of 227 'A' horizon and 1530 'B' horizon soil samples were collected using grub hoes at 100 ft. intervals on 50 ft. lines over a small grid area. The work was supervised by D. H. Helgesen.

All samples were placed in water resistant packets on which was marked the following information: sample location, date, depth, horizon, colour, soil type and moisture content. The samples were then packaged and shipped to Falconbridge laboratory in Vancouver where they were hot air dried and sieved individually by hand through an 80 mesh nylon screen.

LABORATORY TECHNIQUE

The minus 80 mesh portions of the above dried samples were analyzed for copper, zinc and silver by standard geochemical methods using atomic absorption.

GEOLOGY

The grid area is underlain by andesites and argillites of the Hazelton Group except in area L 10-20 S, 4-10 E. where a biotite feldspar porphyry plug outcrops. Chalcopyrite and sphalerite mineralization is confirmed to alternate bands of vesicular andesite and fine grained green and red andesite occurring between L 20 S - L 14 N, 6 E - 30 W.

A band of chloritic cherty argillite trends north-south between L 4 - 24 S, 6-14 W and another at the baseline L 6 S - 2 W. Both terminate at a fault trending northeast from 6 S - 14 W to 10 N - 12 E.

Fine to medium grained latite outcrops sporadically on the eastern half of the grid.

Overburden varies from 0 - \pm 100 feet in thickness.

INTERPRETATION AND RECOMMENDATIONS

A statistical boundary for each metal was established by dividing the lowest 75% values from the top 25% for each metal. It is noted that copper and silver values vary in a parallel relationship and that zinc has a relatively erratic relationship.

The following anomalies were near known mineralization and isolated highs within them warrant further exploration.

L 4N - 6S	10 - 18W
L 0 - 2S	0 - .5W
L 0 - 4S	2 - 3E
L 4 - 6S	1 W

The following anomalies are located in areas of no known mineralization, are not drainage concentration and warrant investigation:

L 8 - 10N	0 - 3E
L 10S	23W
L 14S	6W
L 14S	16W
L 14S	21W
L 18S - 20S	8W
L 22 - 24S	13 L - 4W
L 42 - 44S	2 - 4E
L 42 - 44S	12 - 14E
L 42 - 44S	22 - 24E

The remaining anomalies are probably drainage concentrations and may be ignored.



D. H. Brown

Vancouver, B.C.

August 31, 1970

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of THE GEOCHEMICAL REPORT ON THE DELSANTO GROUP OF MINERAL CLAIMS

I, David H. Brown
of 504 - 1112 W. Pender St., Vancouver, B.C.

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

Aug. 28 - Sept. 4, 1969

D. Skidmore	8 days @\$35.00	\$280.00
S. Murray	8 days @\$35.00	280.00
J. Rotzien	8 days @\$35.00	280.00
		<u>840.00</u>

Laboratory Charges

1200 samples @\$3.00	<u>3,600.00</u>
	\$4,440.00

Sept. 5 - Sept. 8, 1969

D. Skidmore	4 days @\$35.00	\$ 140.00
S. Murray	4 days @\$35.00	140.00
J. Rotzien	4 days @\$35.00	140.00
		<u>420.00</u>
563 samples @\$3.00	<u>1,689.00</u>	
		\$2,109.00

Distribution

\$2,000.00 of the above expenditures to be applied to the following claims at the rate of \$100.00 each.

- Delsauto 13-20 (incl.)
- Delsanto 21-32 (incl.)

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 4th
day of September, 1970, A.D.

D.H. Brown

G. Phillips

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

SUB-MINING RECORDER

FALCONBRIDGE NICKEL MINES LIMITED

1112 WEST PENDER STREET

VANCOUVER 1, B. C., CANADA

TELEPHONE: 682-6242

TELEX: 04-5938

August 31, 1970

The Mining Recorder
Omineca Mining Division
Smithers, B. C.

Dear Sir:

This is to certify that the field work resulting in this geochemical report was carried out under my direction and was supervised on the ground by Mr. D. H. Helgesen, B.A.

Mr. Helgesen has been employed in geochemical work with Falconbridge Nickel Mines Ltd. for six years and was trained by the Company in geochemical field techniques and interpretation.

I am a graduate of the University of British Columbia in geological engineering and am a member in good standing of the Association of Professional Engineers of British Columbia.

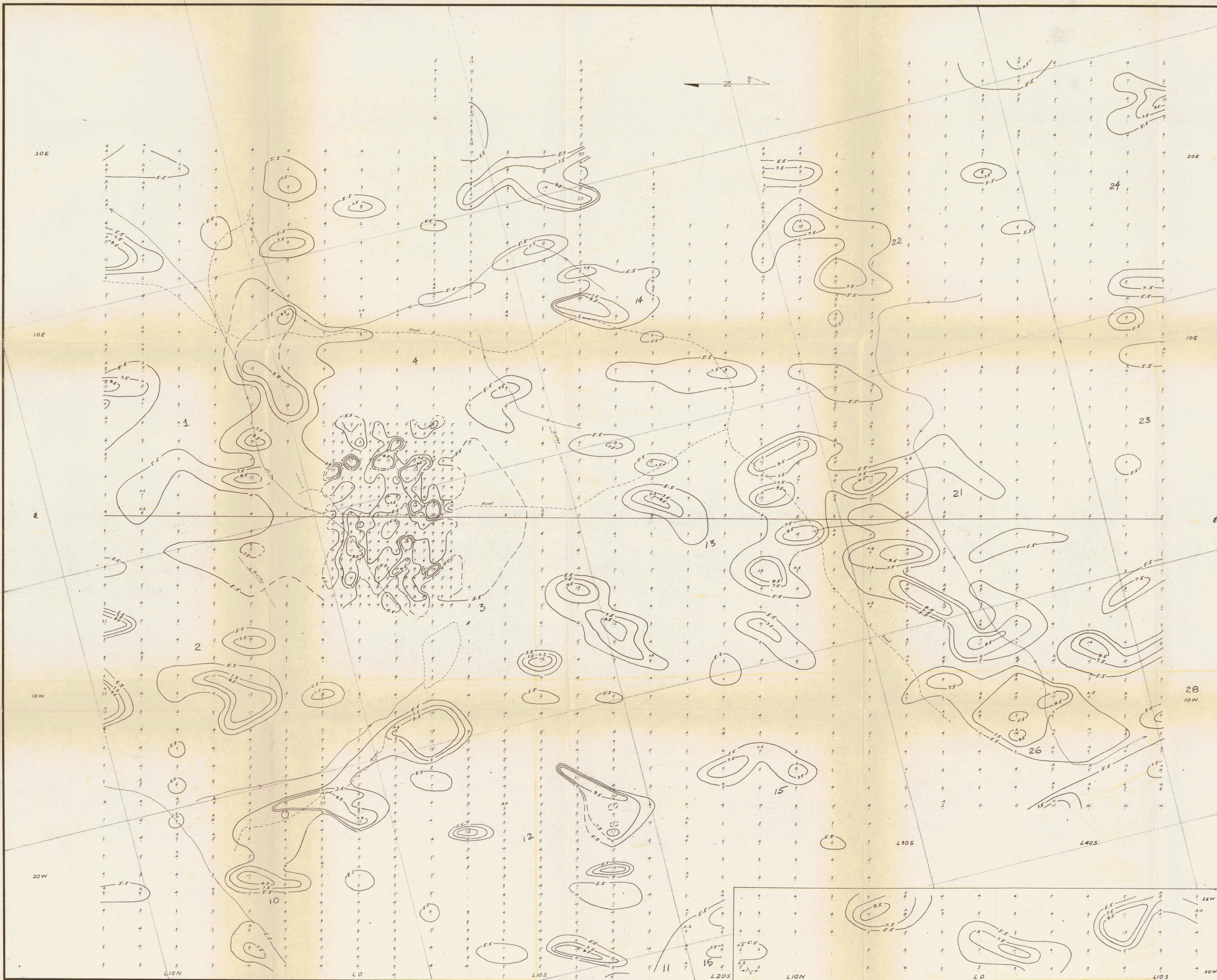
Yours very truly,

FALCONBRIDGE NICKEL MINES LIMITED

D. H. Brown
D. H. Brown, P. Eng. (B.C.)

DHB:lst

D. H. Brown



- 0-5.5 ppm x 10
- 5.5-7.5 ppm x 10
- 7.5-9.5 ppm x 10
- > 9.5 ppm x 10

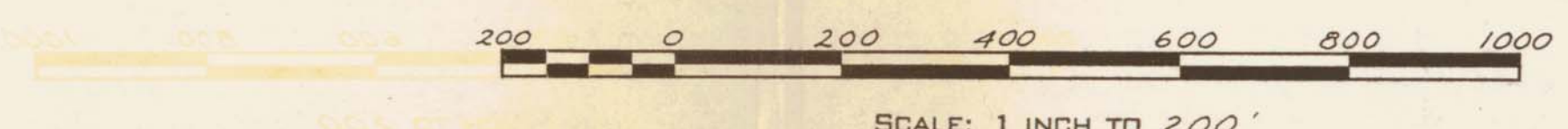
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2543 MAP #4

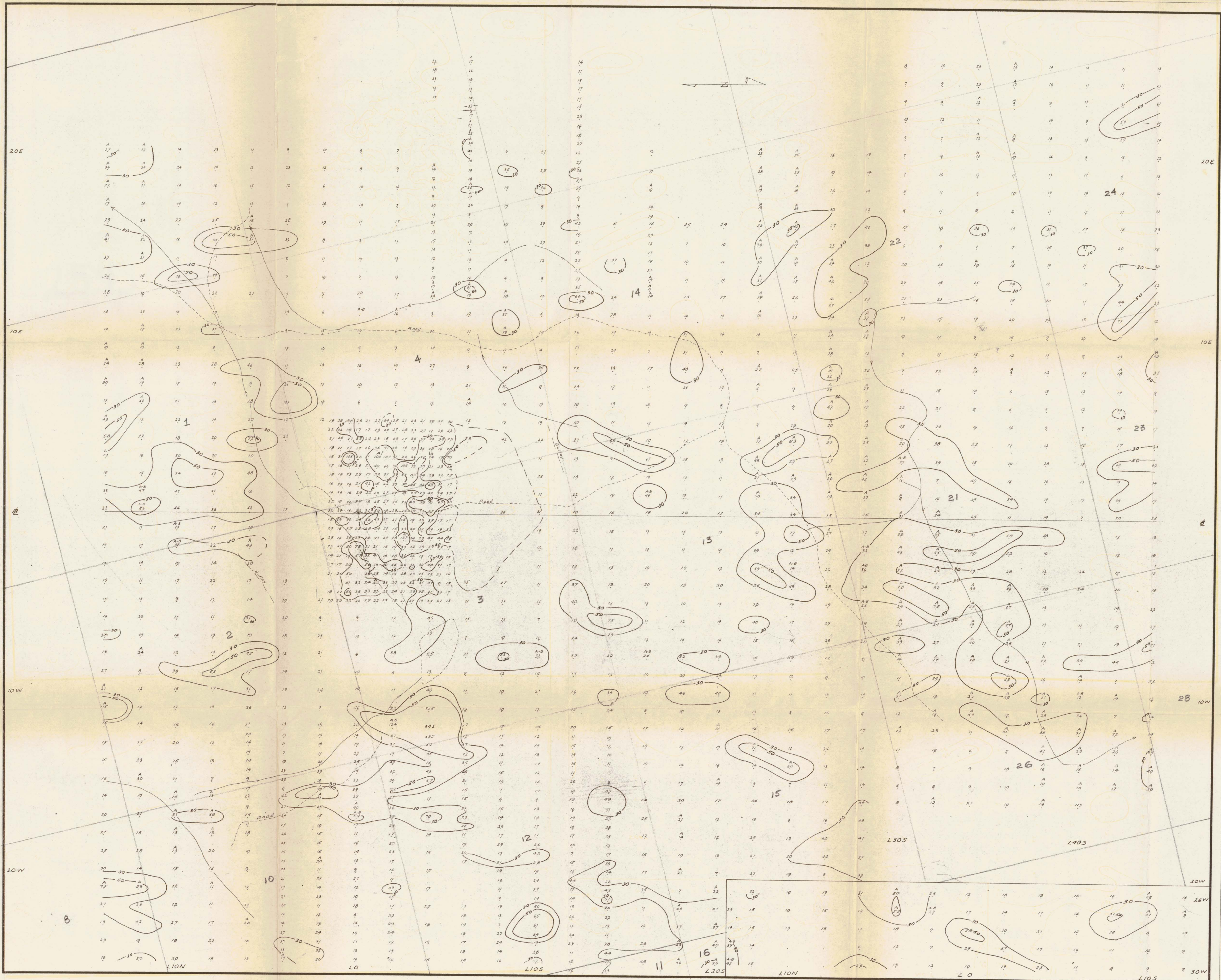
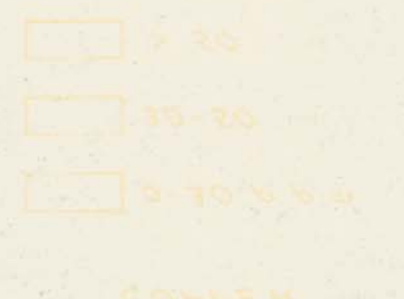
COMPANY . . . FALCONBRIDGE NICKEL MINES LTD.
PROPERTY . . . CHAPMAN OPTION
LOCATION . . . SMITHERS, B.C.

WORKING PLACE . . . (11) 2800A JEXM 1000000000
TYPE OF MAP . . . GEOCHEMICAL - SILVER
BASED ON . . . SOIL SAMPLING

DATE . . . 29 SEP 69
DRAWN BY . . . D.H.H.
DATE OF WORK . . . AUG - SEPT - 69

D.H.H.
2543

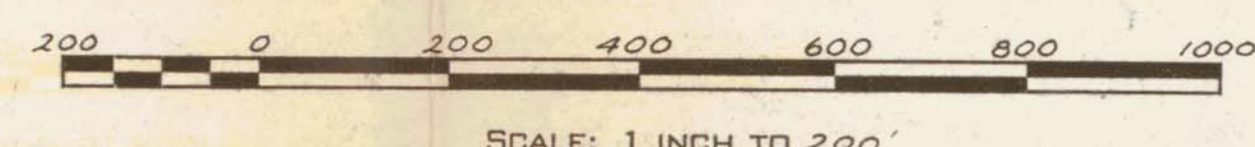




Department of
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ASSESSMENT REPORT
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COPPER
0-30 p.p.m.
30-50 "
> 50 "
A - A Horizon

2543



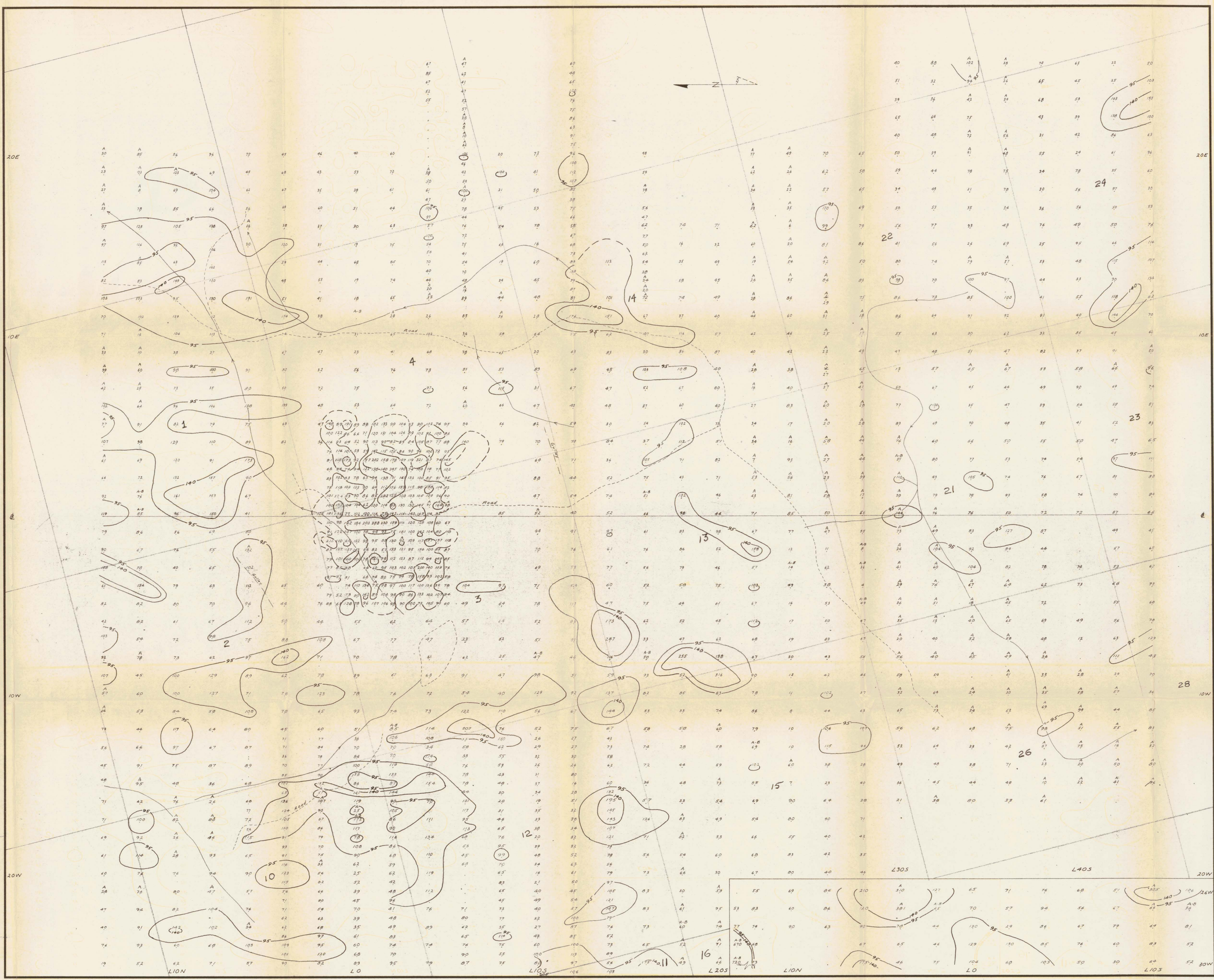
SCALE: 1 INCH TO 200'

FALCONBRIDGE NICKEL MINES LTD.
PROPERTY .. CHAPMAN OPTION
LOCATION .. SMITHERS, B.C.

WORKING PLACE ..
TYPE OF MAP .. GEOCHEMICAL - COPPER
BASED ON .. SOIL SAMPLING

DATE .. 29 SEP 69
DRAWN BY .. D.H.H.
DATE OF WORK .. AUG.-SEPT-69

D.H.H.



ZINC

- 0-95 ppm Zn
- 95-140 ppm
- >140 ppm

A - Horizon

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2543 MAP #3

2543
D.H.H.

