



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
 MINERAL RESOURCES BRANCH-TITLES DIVISION
MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

I, <u>John R. Wilson</u> (Name) <u>6415 - 64th St</u> (Address) <u>Delta, B.C.</u>	Agent for <u>Falconbridge Nickel Mines Ltd.</u> (Name) <u>6415 - 64th St.</u> (Address) <u>Delta, B.C.</u>
--	--

Valid subsisting F.M.C. No. 208357 (1981)
231128 (1982)

Valid subsisting F.M.C. No. 207527 (1981)
244944 (1982)

STATE THAT

1. I have done, or caused to be done, work on the MOE 4 group (MOE 2, MOE 3, MOE 4, MOE 5, State
of Montana, Whitehorse, Evening, Bangor, Blackjack, New Brunswick Claim(s)
Iceland, Nova Scotia, Crackerjack, Comet, Edan)
 Record No.(s) 1234(12), 1235(12), 1236(12), 1237(12), 1203(11), 1207(11), 1208(11),
1209(11), 1210(11), 1211(11), 1212(11), 1213(11), 1214(11), 1215(11), 1216(11)
 Situate at RAINY HOLLOW in the ATLIN Mining Division,
 to the value of at least \$54,393.61 dollars. Work was done from the 1st day
 of July 19 81 , to the 12th day of November 19 81

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A. B. C. D, FOLLOWING)

A. PHYSICAL

(Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

	COST
Road construction 3,600 metres x 3.5metres	\$7,412.00
Line cutting, grid establishment	\$8,127.26
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TOTAL PHYSICAL	
	\$15,539.26

I wish to apply \$ 15,500.00 of physical work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

see page -2-

B. PROSPECTING

(Details in report submitted as per section 9 of regulations.)
 (The itemized cost statement must be part of the report.)

COST
.....
.....

I wish to apply \$ of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

C. DRILLING (Details in report submitted as per section 8 of regulations.)
 (The itemized cost statement must be part of the report.)

COST	

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
 (Details in report submitted as per section 5, 6, or 7 of regulations.)
 (The itemized cost statement must be part of the report.)
 (State type of work in space below.)

Geophysical	12963.00 + 945.00	13,858.00
Geochemical	24051.35 + 945.00	24,966.35
TOTAL OF C AND D		38,854.35

Who was the operator (provided the financing)?

Name ... Falconbridge Nickel Mines Limited
 Address ... 6415 - 64th Street
 ... Delta, B.C.

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) account(s):

Name of Owner		AMOUNT
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1.	
	2.	
	3.	
	4.	
TOTAL WITHDRAWAL		
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		38,854.35

I wish to apply \$ 12,700.00 + \$14,000.00 (physical) = \$26,700.00 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

3 years to each of the following claims: MOE2(1234-12), MOE 3(1235-12), MOE 4(1236-12), MOE 5(1237-12), State of Montana(1203-11), Whitehorse(1207-11), Evening(1208-11), Bangor(1209-11), Blackhawk(1210-11), New Brunswick(1211-11), Iceland(1212-11), Nova Scotia(1213-11), Crackerjack(1214-11), Comet(1215-11), Edan(1216-11)

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name		AMOUNT
In owner(s) name.	1. Falconbridge Nickel Mines Limited	26,154.35
	2.	
	3.	
In operator(s) name (party providing the financing).	1.	
	2.	
	3.	

& \$1,500.00 credit

John R. Wilson
 (Signature of Applicant)



FALCONBRIDGE NICKEL MINES LIMITED

6415 - 64th Street, Delta, B.C., Canada V4K 4E2

Tel. (604) 946-0441

Telex 04-357583

Gold Commissioner
Ministry of Energy, Mines
& Petroleum Resources
Douglas Building
Victoria, B.C.
V8V 1X4

January 29, 1982

Dear Sir,

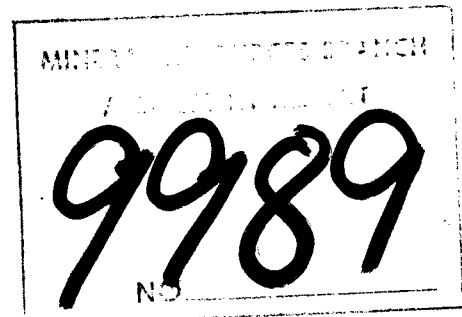
Enclosed are 2 copies of an assessment report on the MOE 4 group in the Atlin M.D..

A Statement of Exploration and Development was submitted on November 13, 1981 with a note that the assessment report was to follow. Later postponements were made by telephone.

Please note that we have altered the total costs incurred.

Yours truly,

J. Wilson



GEOPHYSICAL, GEOCHEMICAL AND PHYSICAL WORK

MOE 2, MOE 3, MOE 4, MOE 5, STATE OF MONTANA
WHITEHORSE, EVENING, BANGOR, BLACK HAWK, NEW BRUNSWICK,
ICELAND, NOVA SCOTIA, CRACKERJACK, COMET, EDAN

ATLIN, M.D.

NTS 114P/10 E

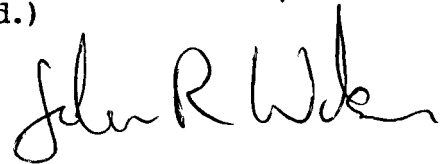
Lat: 59°, 34' N

Long: 136°, 32' W

OWNER: Falconbridge Nickel Mines Ltd.

OPERATOR: Falconbridge Nickel Mines Ltd.

Authors: S. Presunka (Presunka Geophysical Explorations Ltd.)
J. Wilson (Falconbridge Nickel Mines Ltd.)



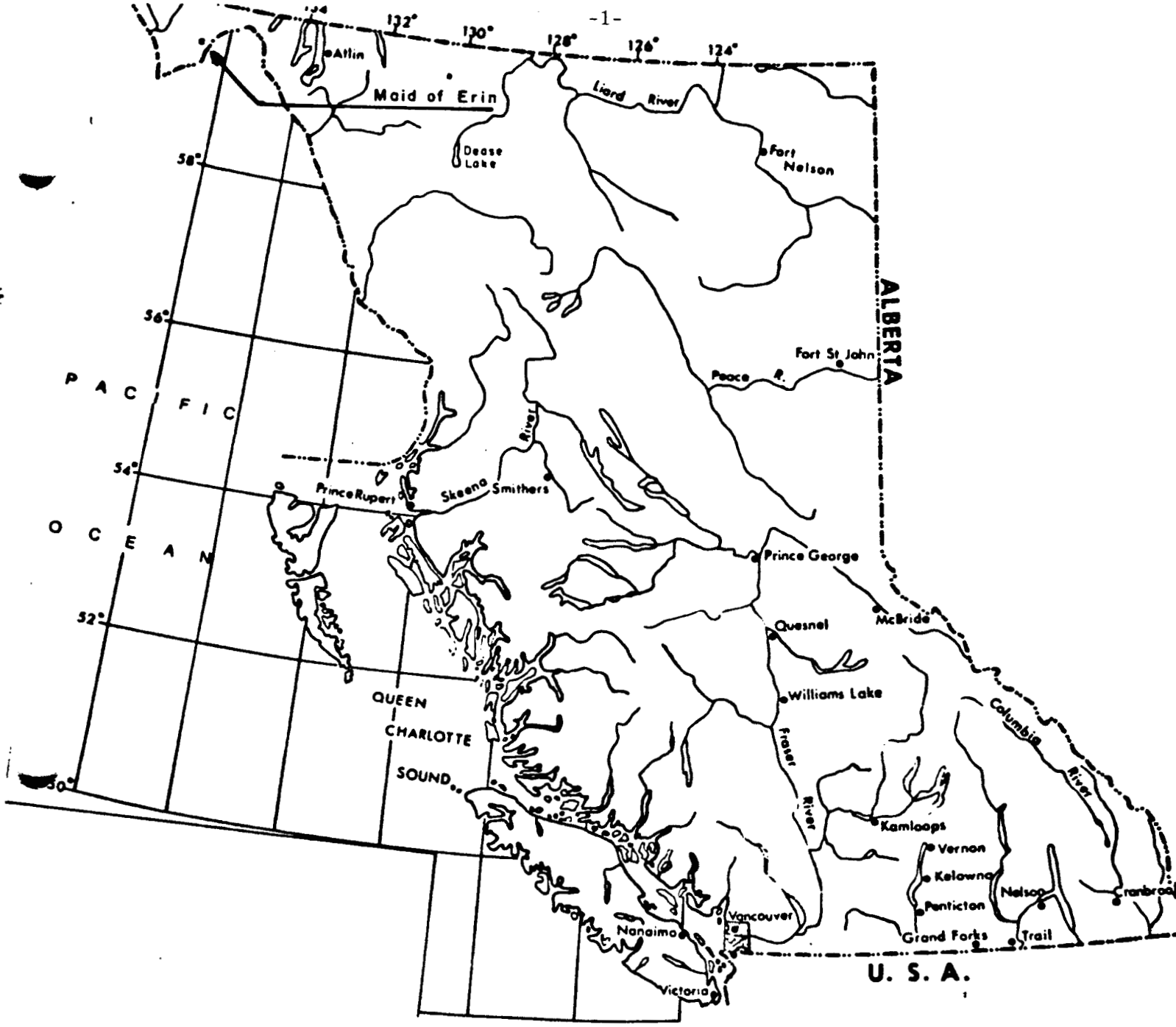
Date Submitted: January 29, 1982

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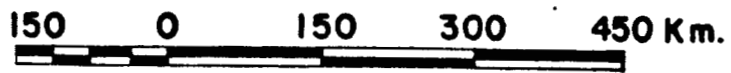
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22 South Half East Grid Magnetometer contoured	"
24 Portion of S. Half of East Grid E.M 17 profiled	"
82 South Half East Grid VLFEM and Magnetometer Composite	"
15 North Half East Grid VLFEM station 23.4 profiled	"
17 North Half East Grid VLFEM station 23.4 contoured	"
19 North Half East Grid VLFEM station 17.8 contoured	"
21 North Half East Grid Magnetometer contoured	"
23 Portion of N. Half of East Grid EM 17 profiled	"
81 North Half E. Grid VLFEM and Magnetometer Composite	"
91 South Half East Grid Soils Geochemistry (Bondar-Clegg)"	"
90 North Half East Grid Soils Geochemistry (Bondar-Clegg)"	"
66 East Grid Soils Geochemistry (ACME) ppm Cu	"
67 " " ppm Pb	"
68 " " ppm Zn	"
69 " " ppm Ag	"
70 " " % Ca	"
71 " " % Mg	"
72 " " sample numbers	"
74 North Half East Grid Soils Geochemistry (ppm U, As, Mn, Co, Ni, Mo, % Fe	"
77 South Half East Grid Soils Geochemistry (ppm B, In, V, Bi, Sb, Cd, Th)	"
75 N. Half East Grid Soils Geochemistry (ppm Bi, Sb, Co, Th, B, In, V)	"
76 S. Half East Grid Soils Geochemistry (% Fe, ppm U, As, Mn, Co, Ni, Mo)	"

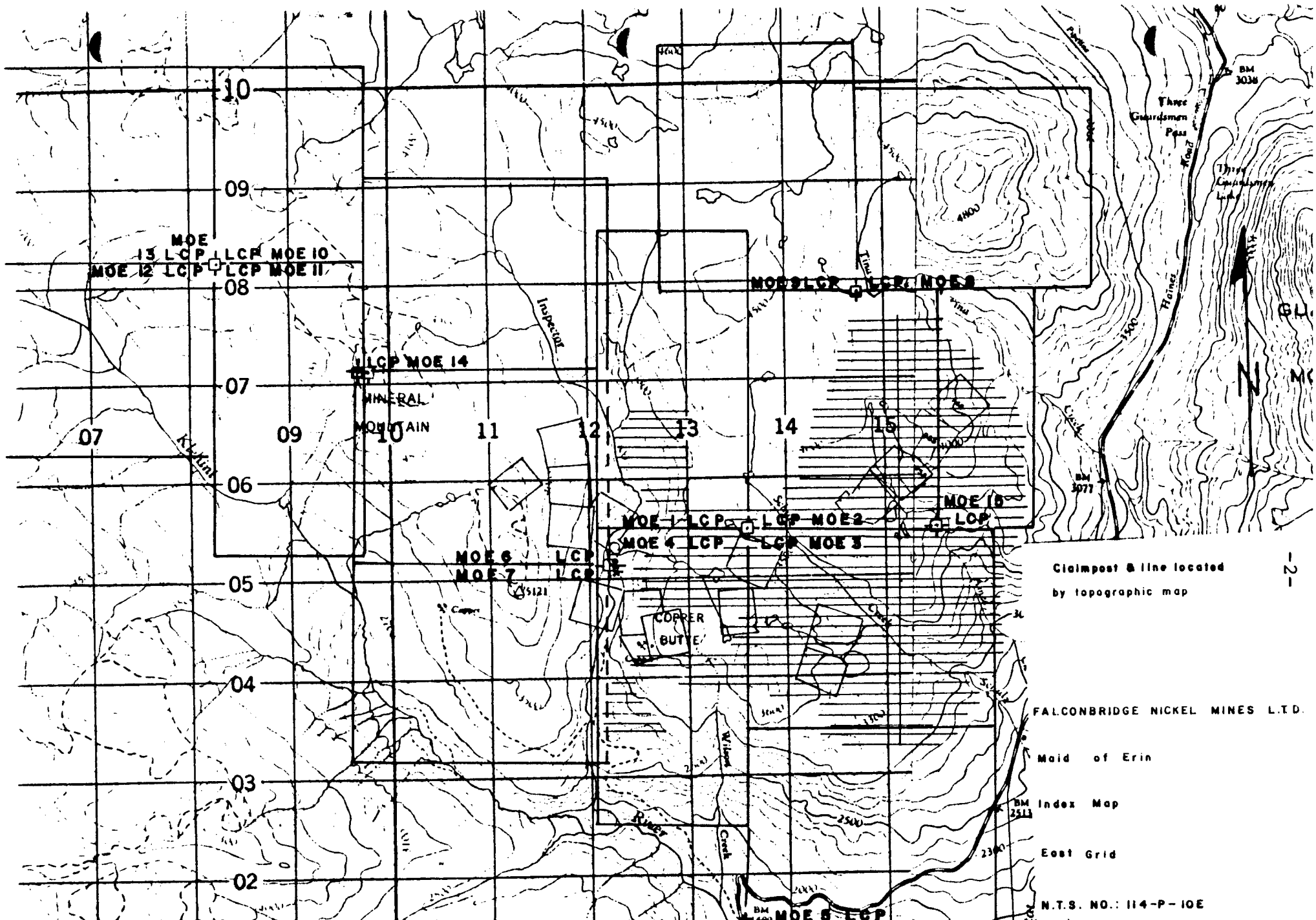


INDEX MAP

BRITISH COLUMBIA



SCALE 1: 7 500 000



Claimpost & line located
by topographic map

FALCONBRIDGE NICKEL MINES L.T.D.

Maid of Erin

Index Map

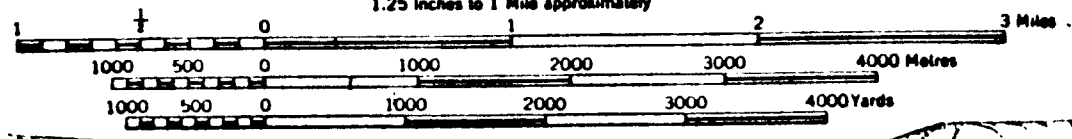
East Grid

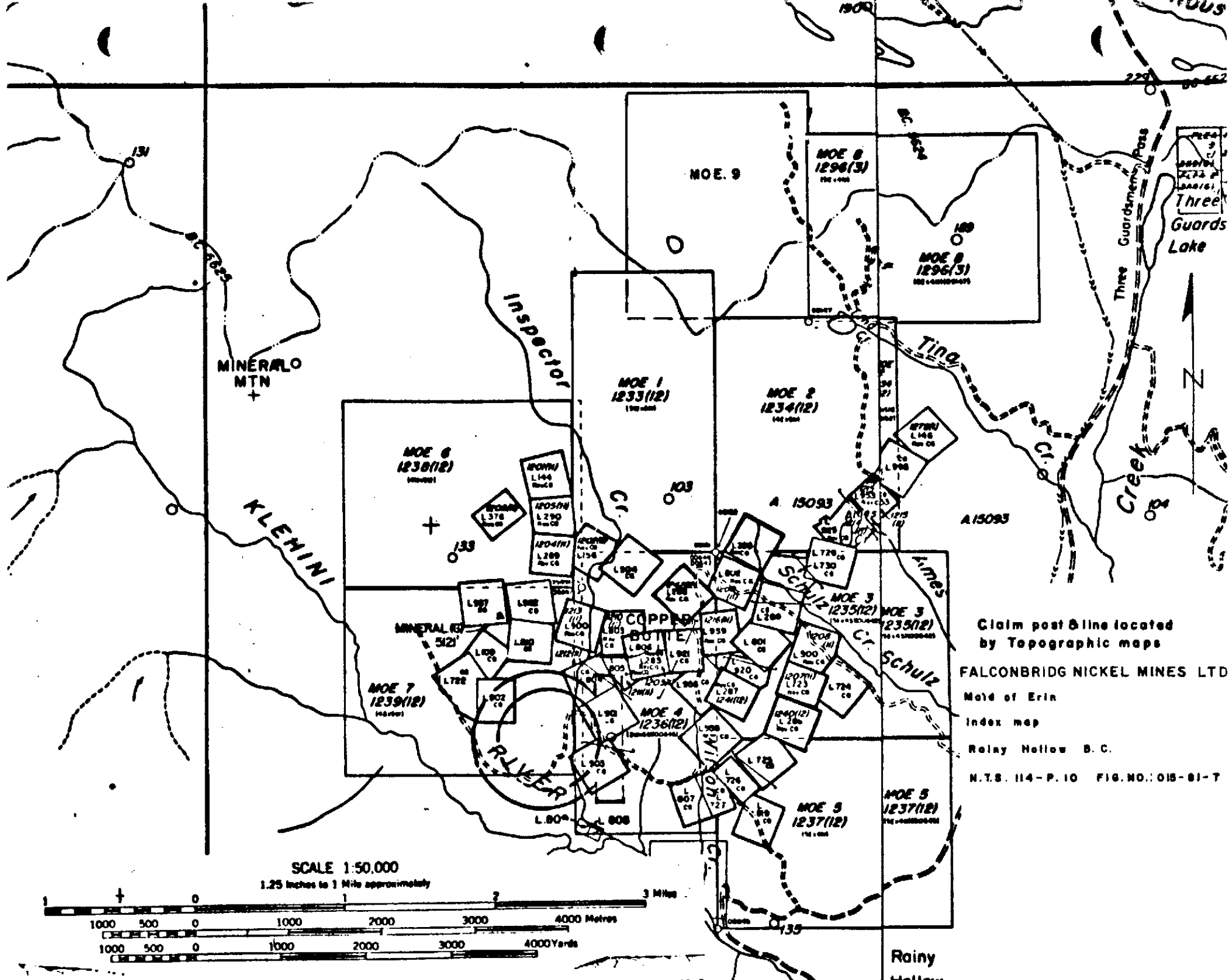
N.T.S. NO.: 114-P-10E

FIG NO.: 015-81-14

SCALE 1:50,000

1.25 inches to 1 Mile approximately



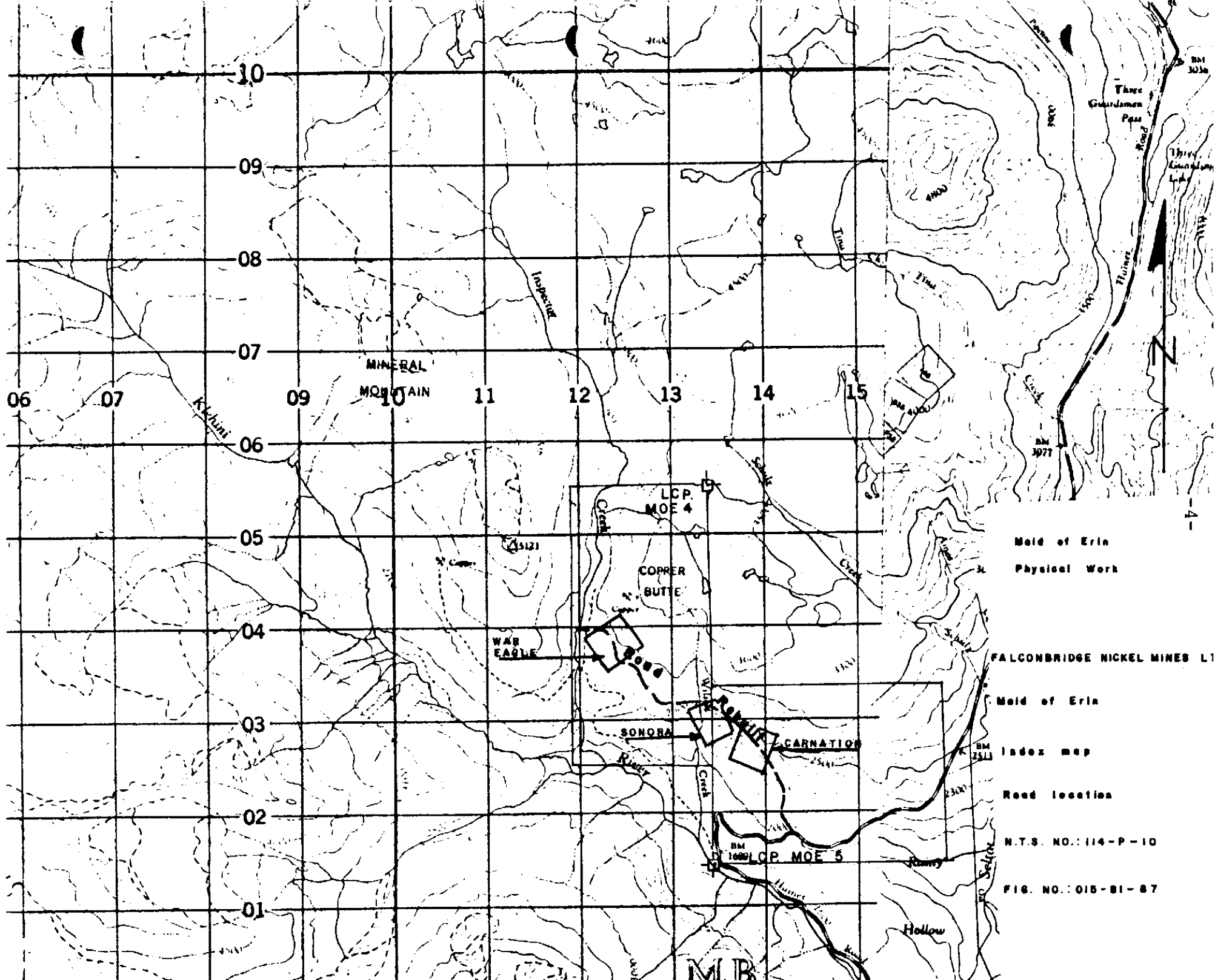


SCALE 1:50,000
1.25 inches to 1 Mile approximately



Claim post & line located
by Topographic maps
FALCONBRIDGE NICKEL MINES LTD
Mine of Erin
Index map
Rainy Hollow B.C.
N.T.S. 114-P. 10 FIG. NO. 018-81-7

Rainy
Hollow



Maid of Erin
Physical Work

FALCONBRIDGE NICKEL MINES L1

Maid of Erin

index map

Road location

N.T.S. NO.: 114-P-10

FIG. NO.: 015-B1-87

INTRODUCTION

MOE 2 (20 units), MOE 3 (20 units), MOE 4 (18 units) and MOE 5 (20 units) were staked in 1980. Reverted, crown-granted 2-post claims that were acquired in 1980 include State of Montana (L283), Whitehorse (L723), Evening (L800), Bangor (L802), Blackhawk (L803), New Brunswick (L805), Iceland (L806), Nova Scotia (L900), Crackerjack (L925), Comet (L953) and Edan (L959). The above claims were grouped as the MOE 4 Group in 1981.

The current owner and operator is Falconbridge Nickel Mines Ltd..

The claims are in the Coast Mountains about 13 kilometres northwest from Pleasant Camp on the Alaska-B.C. border. The Haines - Haines Junction highway passes through the claims and old mining exploration roads provide further access.

The claims contain several crown granted mineral claims that had been worked intermittently since about 1900. The deposits are lenses of massive and disseminated sulphides in skarns. The main ore minerals are sphalerite, galena, and chalcopyrite. Pyrrhotite and pyrite are common also.

The deposits are within a roof pendant composed of argillites, quartzites, limestones and gneisses. It is surrounded by Jurassic(?) quartz diorites and granodiorites according to K. DeP. Watson (BCDM Bull, 25, 1948). Dykes and sills of gabbro and feldspar porphyry also intrude the sediments.

The known skarns here are small and erratic but further exploration might locate an economic deposit.

PHYSICAL WORK

About 3,600 metres of old mine road was cleared of brush, rebuilt and graded, providing access to the mineral claims, (see Fig. 015-81-10). The road is 3 to 4 metres wide and is on the MOE 4, MOE 5, Sonora, Carnation, and War Eagle claims.

On September 9 a bulldozer was used to clear a mudslide which covered the road for 60 metres.

97.6 km of grid (East Grid) were established by Eastern Associates and company personnel, (see Fig 015-81-14 and 015-81-7). Work consisted of picketing grid lines spaced at 100 metre intervals. Marked station pickets were placed at 100 metre intervals along individual lines. The grid and all subsequent grid surveys were carried out on all claims in the group except for the Nova Scotia and Iceland claims.

A geochemical survey consisted of taking 1477 soil samples. All of these samples were analysed by ACME Analytical Laboratories Ltd. and 531 samples were re-analysed by Bondar-Clegg and Company Ltd.

A magnetometer survey covered 92.5 km of line and VLFEM survey covered 96.7 km of line.

The VLF EM16 and proton magnetometer readings were taken every 25 metres along grid lines spaced at 100 metre intervals. Additional readings were taken over anomalous zones.

Two readings were taken with the EM16 utilizing transmitters at Cutler, Main (frequency 17.8 KHz) and at Lualualei, Hawaii (frequency 23.4 KHz).

STATEMENT OF COSTS

PHYSICAL WORK

Contractor - General Enterprises		
June 25, 1981, Bulldozer 1803, 3 hrs @ \$121.00/hour		363.00
June 26, 1981, Bulldozer 1803, 10hrs @ "	"	1,210.00
June 26, 1981, Bulldozer 1815, 4 hrs @ "	"	484.00
June 27, 1981, Bulldozer 1803, 10hrs @ "	"	1,210.00
June 29, 1981, Bulldozer 1803, 10hrs @ "	"	1,210.00
June 30, 1981, Bulldozer 1803, 10hrs @ "	"	1,210.00
July 1, 1981, Bulldozer 1803, 2 hrs @ "	"	242.00
Aug 13, 1981, Grader 5 hrs @ \$80.00/hour		400.00
Aug 14, 1981, Grader 8 hrs @ \$80.00/hour		640.00
Aug 14, 1981, Hyab 1 hr @ \$50.00/hour		50.00
Aug 14, 1981, Hyab operator 1 hr @ \$30.00/hour		30.00
Sept. 9, 1981, Bulldozer 1 hr @ \$121.00/hour		<u>363.00</u>

TOTAL ROADWORK \$7,412.00

Contractor - Eastern Associates		
Aug 20 - Sept 1, 97.6 km of grid established at \$81.14/km		\$7,919.26
Expenses: Laths		160.00
Fluorescent spray paint		<u>48.00</u>

TOTAL PHYSICAL WORK \$15,539.26

GEOCHEMISTRY

Sampling:	
1 man Aug 3 - Sept 15 (43 days) @ \$57.00/day	2,451.00
1 man Aug 20- Aug 22 (3 days) @ \$53.00/day	159.00
1 man Sept 9- Sept 14 (6 days) @ \$41.00/day	246.00
Board, 52 days as above at \$20.00/day	1,040.00
Supply costs, 52 days as above @ \$20.00/day	1,040.00
531 samples analyzed by Bondar-Clegg and Co. Ltd. for Ag, Cu, Pb, Zn, W @ \$7.75/sample	4,115.25
531 samples prepared at .60¢/sample	318.60
1509 samples analyzed by ACME Analytical Laboratories Ltd. @ \$5.50/sample	8,299.50
Producing maps of soils geochemistry values (ACME's ICP results) by computer plotting:	
Data Input (H.A. Simons International Ltd)	1,742.00
1 map showing sample number and maps showing single element values (contoured), (H.A. Simons International Ltd.)	2,640.00
4 maps showing 7 elements each (Canadian Geoscience Corporation)	<u>2,000.00</u>

TOTAL GEOCHEMISTRY 24,051.35

GROUND GEOPHYSICS

Magnetometer:

1 man Aug 16 - 21 (6 days) @ \$75.00/day	450.00
1 man Aug 26 & 28 (2 days) @ \$70.00/day	140.00
1 man Sept 2,4,6,7 (4 days) @ \$70.00/day	280.00
1 man Aug 25 - 27 (3 days) @ \$40.00/day	120.00
1 man Aug 29 - Sept 2 (5 days) @ \$40.00/day	200.00
1 man Aug 23 & 24 (2 days) @ \$40.00/day	80.00
1 contractor (Presunka Geophysical Explorations Ltd)	
Sept 12 (1 day) @ \$250.00/day	250.00

EM

1 man Aug 22,27, Sept 3,8,15 (5 days) @ \$70.00/day	350.00
1 man Aug 22-24, Sept 2,5,8, (6 days) @ \$40.00/day	240.00
1 man Sept 3,4, (2 days) @ \$40.00/day	80.00
1 man Aug 14,16, (2 days) @ \$53.00/day	106.00
1 man Aug 24 (1 day) @ \$57.00/day	57.00
1 man Aug 27,29,30,31, Sept 1,3,5,8 (8 days) @ \$70.00/day	560.00
1 contractor (Presunka Geophysical Explorations Ltd)	
Aug 11,12,13, Aug 16-Sept 9 (28 days) @ \$250.00/day	7,000.00
Board for above magnetometer and EM workers (75 man days) @ \$20.00/day	1,500.00
Supply costs for above mag & EM workers @ \$20.00/day	<u>1,500.00</u>

TOTAL GEOPHYSICS

\$12,913.00

SUPERVISION AND REPORTING

Planning and Supervision of line picketing, geochemistry and geophysics:

1 man 14 days (Aug 10,11,12,17,18,22,23,25,26,30,31, Sept 1,5,6,) @ \$110.00/day	1,540.00
Board for above (14 days) @ \$20.00/day	280.00
Supply costs for above 14 days @ \$20.00/day	280.00

4x4 Truck expenses for line picketing, geochemistry and geophysics:

Aug 19 - Sept 15, 28 days @ \$240.00/week	960.00
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Report Preparation

Organizing data, writing 5 days @ \$110.00/day	550.00
Drafting 4 days @ \$110.00/day	440.00
Drafting 10 days @ \$70.00/day	700.00
Typing and assembly, 1 day @ \$90.00/day	90.00
Printing & copying	<u>110.00</u>

TOTAL SUPERVISION & REPORT WRITING

1,890.00

distributed between

Geochemistry &	945.00
Geophysics	945.00

STATEMENT OF QUALIFICATIONS

John Wilson graduated from the University of British Columbia in 1972 with a BSc (honours) in geology. He has worked for Falconbridge Nickel Mines since 1972 and was supervisor of this project.

SECTION A

SECTION A

V.L.F. E.M., MAGNETOMETER AND
E.M. 17 RESULTS
EAST GRID AREA

Maid of Erin Property, B. C.

N.T.S. 114P/10E

PN 015

December 1981

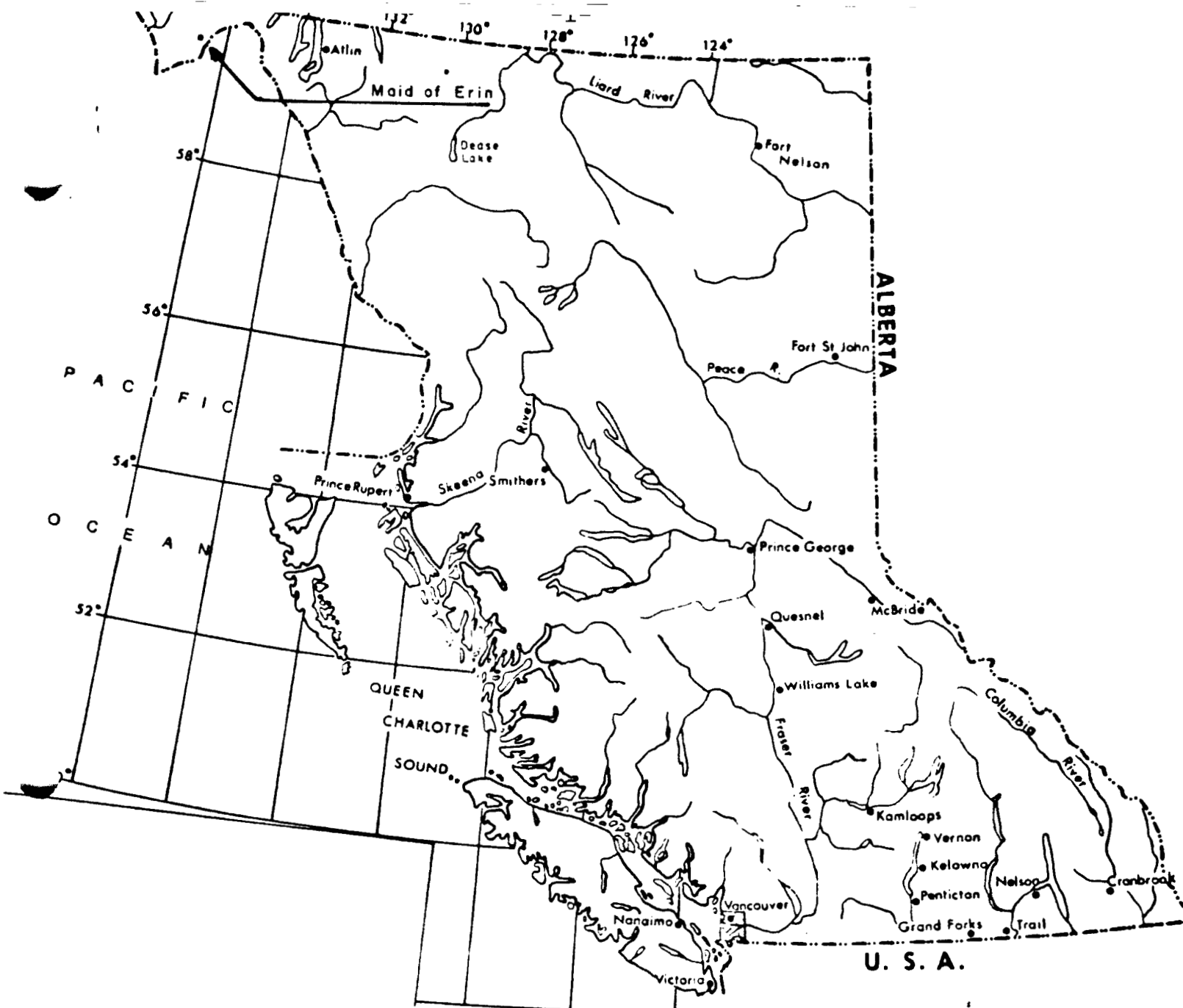
S. Presunka

J. Wilson

Report # 17-015-81

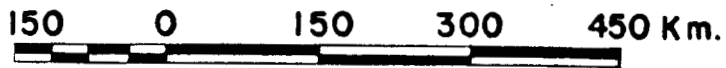
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Fig. 015-81-16 South Half East Grid V.L.F.E.M. station 23.4 profiled	In Pocket
Fig. 015-81-18 South Half East Grid V.L.F.E.M. station 23.4 contoured	" "
Fig. 015-81-20 South Half East Grid V.L.F.E.M. station 17.8 contoured	" "
Fig. 015-81-22 South Half East Grid Magnetometer contoured	" "
Fig. 015-81-24 Portion of S. Half of East Grid E.M. 17 profiled	" "
Fig. 015-81-82 South Half East Grid V.L.F.E.M. and Magnetometer Composite	" "
 Fig. 015-81-15 North Half East Grid V.L.F.E.M. station 23.4 profiled	 In Pocket
Fig. 015-81-17 North Half East Grid V.L.F.E.M. station 23.4 contoured	" "
Fig. 015-81-19 North Half East Grid V.L.F.E.M. station 17.8 contoured	" "
Fig. 015-81-21 North Half East Grid Magnetometer contoured	" "
Fig. 015-81-23 Portion of N. Half of East Grid EM 17 profiled	" "
Fig. 015-81-81 North Half East Grid V.L.F.E.M. and Magnetometer Composite	" "

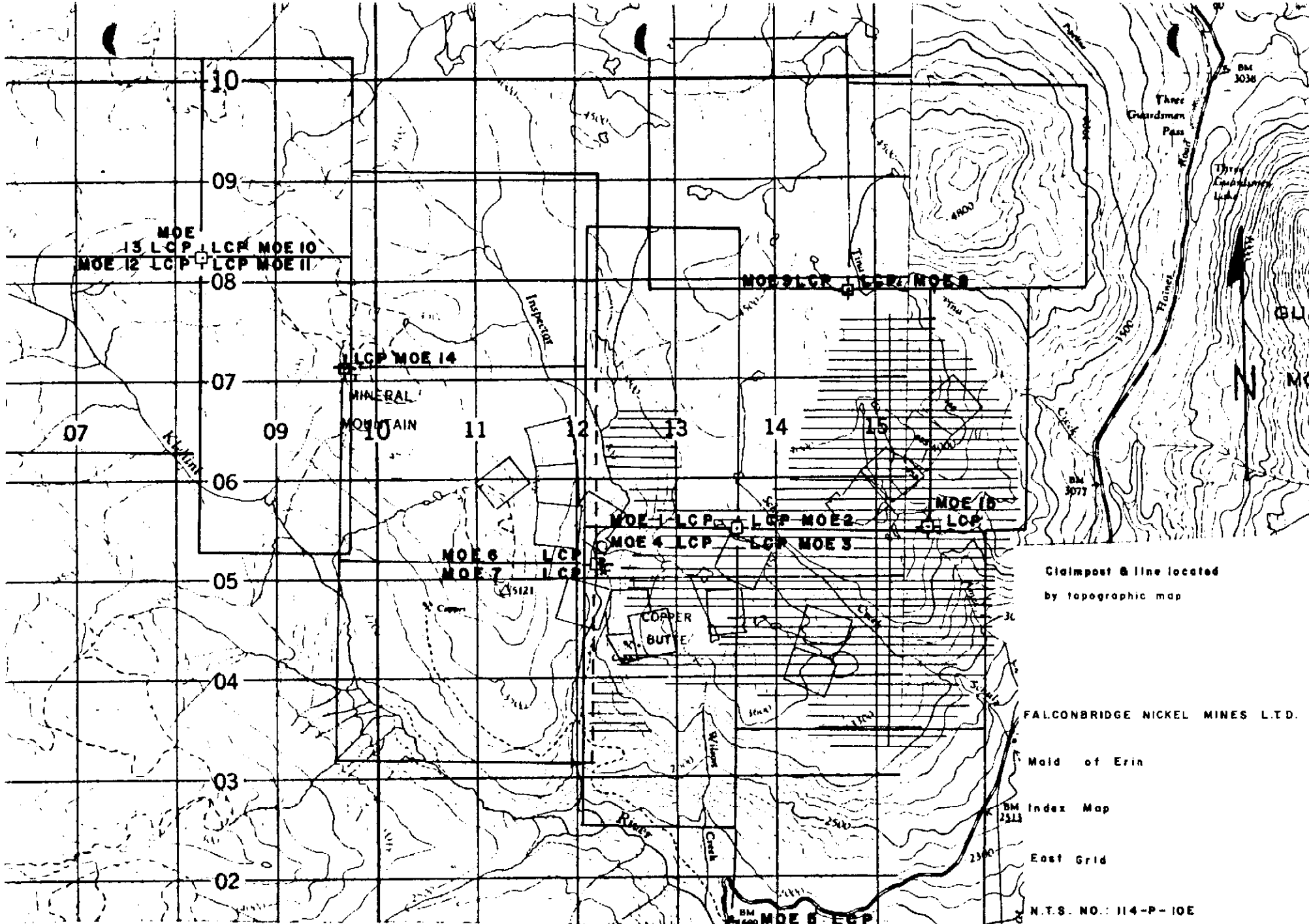


INDEX MAP

BRITISH COLUMBIA



SCALE 1: 7 500 000



Claimpost & line located
by topographic map

FALCONBRIDGE NICKEL MINES LTD.

Maid of Erin

Index Map

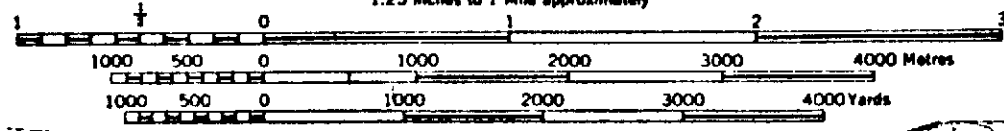
East Grid

N.T.S. NO.: 114-P-10E

FIG NO.: 015-81-14

SCALE 1:50,000

1.25 inches to 1 Mile approximately



EAST GRID

South Half - From L-0 to L-20N

ELECTROMAGNETIC AND MAGNETOMETER SURVEYS

VLF ST 23.4 Tilt Direction 120° EM-16 (Profiled Plan).

The V.L.F. responded very well on the East grid. There are too many conductors for comment so only the better conductors are described.

The overall conductive trend is in northeast direction, with the exception on one seen on lines 17, 18, 19 and 20, which has a northwest strike.

Twelve conductors are selected for comments.

No. 1 This north east striking conductor, east of the base line extends from L-0 at 275 metres east to L6N at 500 metres east and has several paralleling conductors closely spaced to the east. The conductor seem to follow a low magnetic anomaly, with the exception of one magnetic high on L 3N at 325 and 350E. The EM 17, using 300' separation, was run on two lines (3N and 4N) and indicates a broad anomaly (150 metres) over these multiple parallel conductors. The strong out of phase to weak in phase indicates the conductor may represent 10 to 12% sulphides. This conductor should be dipping steeply to the northwest. Depth to conductor on line 3N at 380 west is approximately 50 metres (point of excited area). The top of the conductor is much closer, perhaps 20 metres or less. A proposed D.D.H. #1 spotted 350 metres east of the base line on Line 3N and drilled -50° to the east should intercept the main zone at 75 metres. This hole should be drilled to a depth of 250 meters to intercept the other paralleling conductors east of the main E-M-16 conductor. This No. 1 conductor extends off the grid to the south. Lines 1 and 2 south should be extended to locate the extension of this No. 1 conductor.

No.2 A northwest striking conductor crosses the entire grid and is somewhat faulted off between lines 11 and 12N, some 200 meters west of the base line. This conductor starts on line 1N at 600 W and strikes northeasterly crossing the entire grid to L-20N at 115 east. Depth to this

conductor on line 8N at 325 west is approximately 60 meters. This appears to be a near vertical conductor. A proposed diamond drill hole spotted on L 8N at 375 west and drilled -60° easterly to a depth of 125 meters would intercept this conductor.

No.3 A northeast striking conductor starts at 10W continues on to line 20N at 415W to project into the north half of the East Grid. This conductor appears to be slightly faulted between lines 12 and 14W at 700W. This conductor has strong magnetic correlation on L 20N at 400W. The inphase - quadrature response is proper for a good sulphide anomaly.

This is a prime Drill target. The EM-16 profile indicates the conductor at surface and near vertical. No. 2 has weak horizontal loop anomaly. A proposed diamond drill hole spotted on Line 20N at 350W and drilled -60° west should intercept the conductor at 30 metres. A second diamond hole spotted on line 15N, 540W and drilled -60° west should intercept this conductor at 35 metres. Line 14N at 700 west has good magnetic correlation but it's too close to a fault for drilling.

No. 4 A north-south striking conductor extends from L 5N at 1450 W to L 20N at 1200W and extends off the grid both to north and south. This conductor has no magnetic correlation, suggesting a weakly mineralized fault.

The No. 5 short conductor strikes northwesterly from L 16N at 1650W to line 20N at 1825W and continues off the grid.

No. 6 A northeast striking conductor starts on line 6N at 1250W and continues to Line 15N at 975W. This conductor has some spotty magnetic highs on lines 7N and 8N. There is a massive sulphide showing on line 9N at 1100 W? A very intense EM 16 response indicates a surface conductor. There is a fair horizontal loop anomaly on No. 6.

No. 7 A northeast striking conductor crosses line 2N at 800W and terminates on line 9N at 425W. This appears to be a steeply southeast dipping conductor. The conductor on line 7N at 500W is at surface and could be checked by trenching. There is some good sulphide showing.

No. 8 strikes nearly north-south. This conductor extends from line 7N at 2050W to line 9N at 2025W. This conductor lines up with a malachite showing on Copper Butte about 200 metres to the north. There is no magnetic correlation to this anomaly.

No. 9 This northeast striking conductor crosses line 14N at 2425W and extends to line 16N at 2175W. This conductor has fair magnetic correlation.

Conductors 10 and 11, located east of the base line, extend from line 15W to 20W and have no magnetic correlation. No. 10 has proper inphase - quadrature response to suggest sulphide mineralization, particularly on line 16N at 650 east. This conductor is nearly at surface and could be exposed by trenching.

No. 12 conductor extends from line 6N at 175W to line 10N at 75 metres west, where it appears to be faulted off. There is a weak magnetic correlation with this conductor.

No. 13 A northeast striking conductor has a strong local magnetic high. The magnetic high on line 14N extends from 20W to 2150W, likely due to good pyrrhotite mineralization. V.L.F. St. 17.8 suggest an E. W. conductor near Line 13N.

No. 14 The secondary two line conductor located on lines 10 and 11N near 1250W has strong magnetic correlation.

The contoured plan of V.L.F. 23.4 is useful for geological structure considerations.

V.L.F. St. 17.8 Tilt Direction 360^o (Contoured Only)

This V.L.F. picked up one anomaly that stands out. This conductor "A" is located between lines 9 and 10N south of the base line, then swings to the west crossing line 9N at 150 west. There is a good mineralization in pits just north of line 9N some 150 metres east. The V.L.F. St. 23.4 did not respond because of the strike of the conductor.

Horizontal loop was run north-south across this conductor with no response but the mineralization is mostly sphalerite which is non conductive. The conductor should be drilled.

The Barringer Proton Magnetometer (Serial No. 6282 Model 1252) was used for the magnetometer survey.

Magnetic base stations were established along the base line for diurnal control. Readings were taken every 25 metres along the lines. The corrected readings were plotted and contoured every 100 gammas.

The background magnetic field was established at 57000 gammas. All readings plotted are above 57000 gammas. Any reading below 57000 gammas is a negative reading.

The magnetic range varies from 93 gammas near the west end of line 16N to a high of 3416 gammas on line 20N near 4W. Most of the values fall within the range between 400 and 500 gammas. The few scattered, small highs occur throughout the northern half of the map sheet and do not have a pattern.

In general, the contoured map reveals two subtle trends. Firstly, the relatively small closures are usually aligned in a roughly north-south direction. This is close to the strike of underlying lithologies. Secondly, a vague northwest fabric consisting of broader high and/or low areas can be recognized. This direction parallels some prominent topographic breaks and presumed faults.

There are six plans submitted on a scale of 1:5000
Two for V.L.F. St. 23.4 One profile and the other contoured
One for V.L.F. St. 17.8 Profiled
One for magnetometer
One small one, horizontal loop
One composite geophysical plan.

EAST GRID NORTH HALF

ELECTOMAGNETIC AND MAGNETOMETER SURVEYS

INSTRUMENT- Ronka EM 16 V.L.F. St. 23.4 Tilt Direction 120° (Profiled Plan)

The are 11 conductors listed.

Most of the conductors strike in North east direction.

The No. 1 conductor, west of the base line, starts on line 25N at 850W and continues northeasterly to line 37N at 1+75W. This conductor is very strong on lines 30, 31 and 32N. The conductor is at surface and could readily be checked out by trenching. There's only a very weak magnetic correlation. The horizontal loop responded quite well but indicated the conductor to be narrow. It dips steeply to the southeast.

No. 2 north east striking conductor located east of the base line crosses line 21W at 825 east and extends to line 29N at 1175 west. This conductor dips to the southeast.

There is no magnetic correlation to this conductor, with exception of one medium magnetic high on line 24 north where the cross over occurs. This is likely a weakly mineralized fault.

No. 3 Northeast striking conductor starts on line 31N at 550W and continues northerly, crossing line 43N at the base line, and continues off the grid. There is a definite magnetic correlation to a section of this No. 3 anomaly from L31 north to 35N. The inphase-quadrature for this section indicates mineralization. This conductor apparently dips to the west as indicated by the inphase profile. Depth to this conductor on line 32N at 510 west is approximately 25 metres. A proposed diamond drill hole spotted on L32N and drilled -60° to the south east would intercept the conductor at about 40 metres.

The No. 4 conductor, located east of the base line, strikes nearly north-south. This conductor starts on line 22N at 1150 east and extends to line 26N at 1150 east. There is a weak magnetic correlation to this conductor.

The No. 5 conductor starts on line 21 north at 275 W, close to a magnetic high and continues northeasterly to line 26N at 37W. The inphase-quadrature relationship suggests good sulphide mineralization. This a near

vertical conductor. Depth to the conductor on line 22N at 245W is about 60 meters. A proposed D.D.H.#2 spotted on line 22N at 300W and drilled -50°E would intercept the conductor at 75 metres.

The No. 6 and No. 9 conductors, located east of the base line from line 35N to 39N, have no magnetic correlation. This anomaly is likely due to a weakly mineralized shear.

No. 7 and 9 west of the base line, crosses Lines 21, 22 and 23 and has no magnetic correlation. This is likely a weak fault or weakly mineralized shear.

No. 10 conductor has North-south strike, starts on L 32N at 250 west, then swings in a northeast direction to line 33N at 125W, then continues in northern direction to Line 37N at 110W. This conductor has fair magnetic correlation from line 32N to 34N. The inphase-quadrature response suggests it is due to a well mineralized zone. This conductor is near surface and could be readily reached by trenching.

The short No. 11 conductor joins No. 10 on line 32N at 250W, then continues northerly to cross line 31 north at 190W. Both No. 10 and 11 seem to share the same magnetic anomaly to suggest 10 and 11 maybe boundaries of a short conductor (200 metres). There is a horizontal loop response to these conductors.

V.L.F. St. 17.8 Tilt Direction 360° (Profiled Plan)

The zig-zag "A" conductor of this station fairly well overlays the V.L.F. St. 23.4 conductors. The "A" also indicates the N.E. striking conductors.

V.L.F. St. 23.4 Tilt Direction 120° (Contoured)

This contoured plan indicates a well defined geological pattern. The long northeast fault (sections of it has good magnetic correlation mentioned earlier) and a possible contact striking North 60° East crossing the base line at 31N. There is a hint of a second contact east of the base line, striking approximately north 35 east crossing line 24N at 650 east.

The series of N.E. striking conductors, borders the assumed contact to the north and to the south.

The Barringer Proton Magnetometer (Serial No. 6282, Model 1252) was used for the magnetometer survey.

Magnetic base stations were established along the base line for diurnal control. Readings were taken every 25 metres along the lines. The corrected readings were plotted and contoured every 100 gammas.

The background magnetic field was established at 57000 gammas.

The magnetic range varied from minus 65 gammas on line 36N near 8E to a high of 3416 gammas on line 20N near 4W.

In gneral, the magnetic relief is fairly flat with most readings ranging from 400 to 700 gammas. A vague northwest trend is indicated by broad weak variations. This pattern parallels the local topographic fabric.

Occasional small, but intense, magnetic anomalies show a northerly trend roughly parallel to the strike of underlying metasediments, limestone and skarns.

There are 6 plans submitted:

- 2 for V.L.F. St. 23.4, one profiled and the other contoured
- 1 for V.L.F. St. 17.8 contoured
- 1 for magnetometer, contoured
- 1 composite Geophysical
- 1 Horizontal loop.

SECTION B

SOILS GEOCHEMISTRY RESULTS
EAST GRID AREA
MAID OF ERIN PROPERTY, B.C.

NTS 114P/10E
PN 015

J. Wilson

January 1982
Report # 20-015-81

GEOCHEMICAL REPORT - EAST GRID

Soil samples were usually collected at 75 metre intervals on lines 100 metres apart. These were taken from the B horizon at depths from 5 to 10 centimetres by using mattocks. Soil was placed in Kraft paper envelopes and was sent for geochemical analysis of the minus 80 mesh fraction of air dried sample.

Some samples were analysed by Bondar-Clegg and Company Limited by standard chemical analysis procedures:

- for Cu, Pb, Zn and Ag extraction was by hot HNO₃-HCL and analysis was by Atomic Absorption.
- for W, extraction was by Basic Oxidizing Fusion and the analysis was colorimetric.

All samples were analysed by ACME Analytical Laboratories Limited of Vancouver, B.C. by ICP geochemical analysis for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, Th, Cd, Sb, U Bi, V, Ca, P, La, In, Mg, Ba, Ti, B, Al and W.

A 0.500 gram sample is digested with 3 ml of 3:1:3 nitric acid to hydrochloric acid to water at 90 degrees C. for one hour. The sample is then diluted to 10.0 mls. and is aspirated by Inductively Coupled Arson Plasma (ICP). Determination is by a direct reading ICP emission spectrometer. This leach is partial for Ca, P, Mg, Al, Ti, La and W. Very little Ba is dissolved. Because the leach for these elements is not considered adequate to provide useful information, the data, with the exception of Ca and Mg has not been included in this report. Contoured values for Ca and Mg are presented in map form with the suggestion that their reliability is doubtful.

Figure 015-81-90 is a plan map of Bondar-Clegg results for the north half of the East Grid. Most of the values from lines 35N to 43N are present and these show a concentration of relatively high Zn and Pb results at the eastern limit of

GEOCHEMICAL REPORT - EAST GRID (contd)

computer drafted maps (ACME results) is that the former are sometimes shown as deviating from truly east-west while the latter are perfectly squared. When the lines were surveyed in the field, some were found to wander and correct positions are thus shown on the hand drafted maps.

The 1543 samples that were analysed by ACME were plotted on individual contoured maps by H.A. Simons (International) Ltd. for Cu, Pb, Zn, Ag, Ca and Mg. Canadian Geoscience Corp. produced two sets of two maps each (a north half and a south half) that plotted seven elements per map. U, As, Mn, Co, Ni, Mo and Fe were on one set and B, In, V, Bi, Sb, Cd and Th were on the other set. The multi-element maps are not contoured and no interpretation of their results was attempted since they did not include the elements of interest in this area (Cu, Ag, Pb, Zn). These multi-element maps were included in the report solely for completeness.

Discussion of Fig's 015-81-66 to 71:

- Cu - Most of the few very high values (eg. 685 ppm) are isolated single samples but at about L1900N, 400W is a concentration of moderately high Cu analyses. The contours here indicate a SE trending zone that coincides with the Ag distribution and the escarpments (faults?) noted during fieldwork.
- Pb - Spotty high values seem randomly located throughout the grid but a few broad areas of moderate results are concentrated in the northeastern quadrant.
- Zn - Isolated high values are scattered throughout the area with occasional anomalies comprising more than one sample (near L700N, 400W and near L1900N 500W, and L2900N, 400E). These small intense anomalies don't exhibit a preferred orientation.
- Ag - Numerous fairly discrete high values are scattered throughout the grid. In some cases the trend of contoured values reflects the north to northeasterly strike of the underlying lithologies. More prominent is a southeast trend in the centre of the map that roughly parallels escarpments (faults?) and Cu contoured soils values.

GEOCHEMICAL REPORT - EAST GRID (contd)

sampling. This trend coincides with the intrusive contact at the roof pendant sediments as mapped by K de P Watson in 1948. Interestingly, no anomalous values occur in soils associated with the intrusive contact on the western side of the grid.

A few scattered Cu and Ag results occur within the above mentioned zone and also near the baseline of the grid on lines 36N and 37N.

Results for a portion of line 30N indicate a multistation anomaly at about 7E.

Figure 015-81-91 is a plan map of Bondar-Clegg results for the south half of the East grid. There are several gaps in the data, especially the entire northeastern corner.

A logical appraisal of incomplete data is difficult but a few observations can be reported.

A north to northeasterly trend of high Cu, Ag, and Zn values is apparent in the southeast, near the ends of the lines. This trend parallels the regional strike of the sedimentary rocks and the intrusive contact.

A mainly Zn anomaly (with some Ag, Cu and Pb) is a line 5N to 8N at about 4 west.

A series of high Pb-Zn values is at the West end of line 0. From lines 5N to 14N and from 14W to 21W are a few areas containing elevated multiple element values (Cu, Ag, Pb, Zn and W). The Cu, Ag and Zn appear most prominently though. This area is crossed by numerous gullies and escarpements and the topography might affect the soils geochemical pattern.

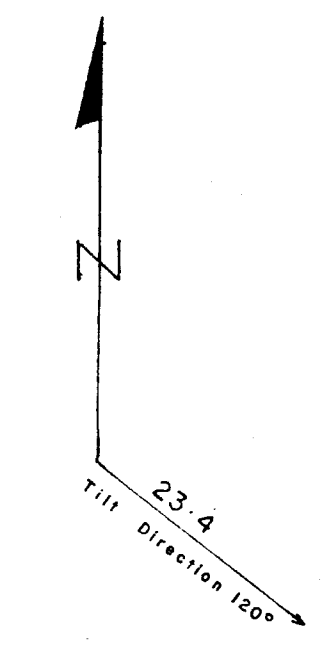
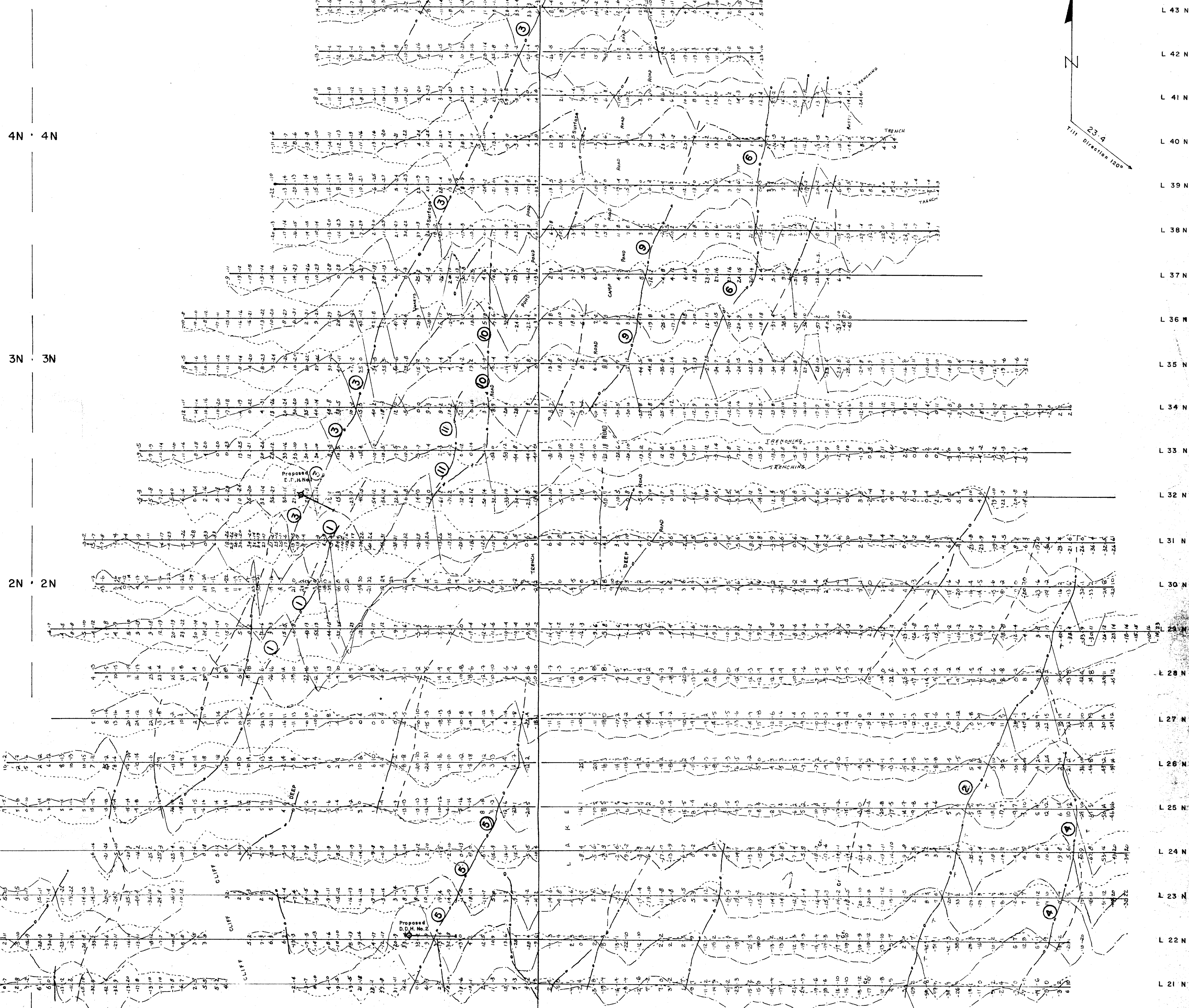
Figs 015-81-66 to 77 are plan maps of ACME results for the East Grid. An obvious difference between the grid lines of the hand drafted map (Bondar-Clegg results) and the

Discussion of Fig's 015-81-66 to 71: (contd)

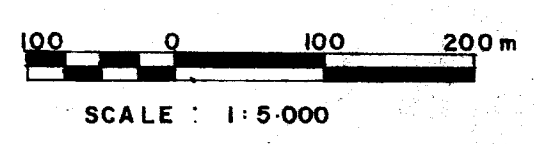
- Ca - Occasional high values are erratically distributed throughout the grid and a concentration of several anomalies is in the west near Copper Butte. A south-east trend passing through the center of the area also corresponds with the Cu and Ag contour pattern.
- Mg - Low values dominate the area. The few elevated results cannot be commented on meaningfully.

In general, the soils geochemistry failed to locate any lengthy strong anomalies. However, the skarn mineralization here was not expected to be continuous and the sample density was fairly wide. Consequently, further detailed soils sampling should be undertaken around even the smaller interesting anomalies.

27 W 26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 12 E



LEGEND
 Electromagnetic Survey
 Inst. Reko E.M. 16 Serial No. 2, 20 and 17
 V.L.F. 51 23-4 Howell Tiltidirection 120°
 Isophas Profile
 Quadrature Profile
 Conductors
 Secondary Conductors

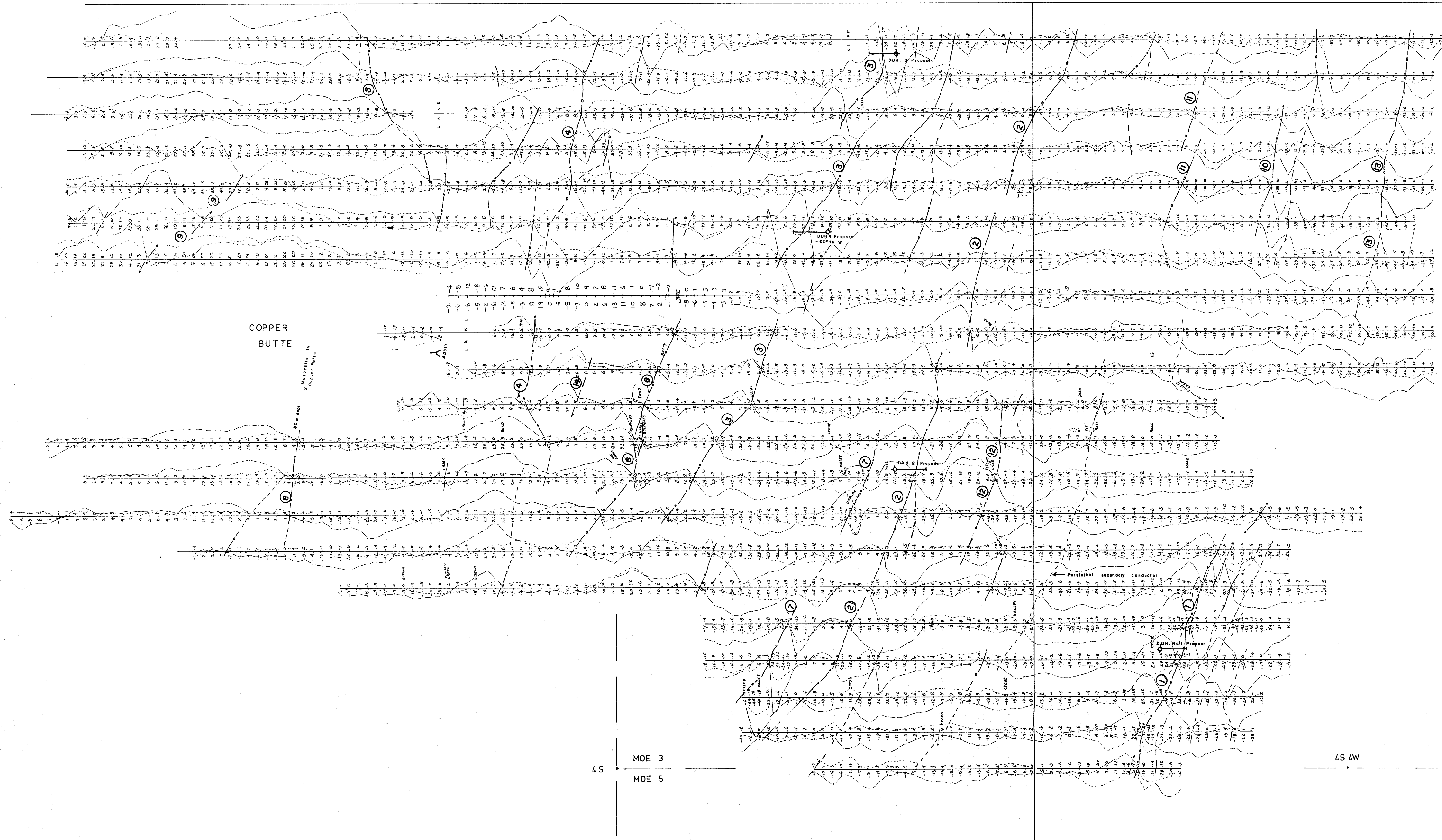


9989
 M.C. 1981

FALCONBRIDGE NICKEL MINES LTD
 PROPERTY: Held of E.M.S.
 LOCATION: Relay Hollow B.C.
 TYPE OF MAP: E.M. 16 Profile Station 23-4
 BASED ON: Fieldwork by S.P.
 DATE OF WORK: Aug. 1981
 WORKING PLACE: East Grid North 1/2
 DRAWN BY: S.P. Sept. 1981
 N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-15

27 W 26 W 25 W 24 W 23 W 22 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B.L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E

MOE 15 1E L 20 N
5E L 19 N
L 18 N
L 17 N
L 16 N
L 15 N
L 14 N
L 13 N
L 12 N
L 11 N
25 5W L 10 N
L 9 N
L 8 N
L 7 N
L 6 N
L 5 N
L 4 N
L 3 N
L 2 N
L 1 N
4S MOE 3 L 0
MOE 5
4S 4W 4S 5W

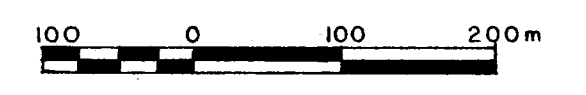


COPPER BUTTE

Metalsite in Copper Butte

LEGEND

- Electromagnetic Survey
- Inst. Recco E.M. 16 Serial No. 2 and 20
- V.L.F. St. 23-4 (Howell) Tilt Direction 120°
- Inphase Profile
- Quadrature Profile
- Conductors
- Secondary Conductors



SCALE: 1:5 000

MINERAL RESOURCES BRANCH
9989

FALCONBRIDGE NICKEL MINES LTD.
 PROPERTY: Meld of Erin
 LOCATION: Rainy Hollow B.C.
 TYPE OF MAP: E.M. 16 Profile Station 23-4
 BASED ON: Fieldwork by S.P.
 WORKING PLACE: East Grid South 3/2
 DATE OF WORK: Sept. 1981
 DRAWN BY: S.P.
 N.T.S. NO.: H4-P-10E FIG. NO.: 015-81-16

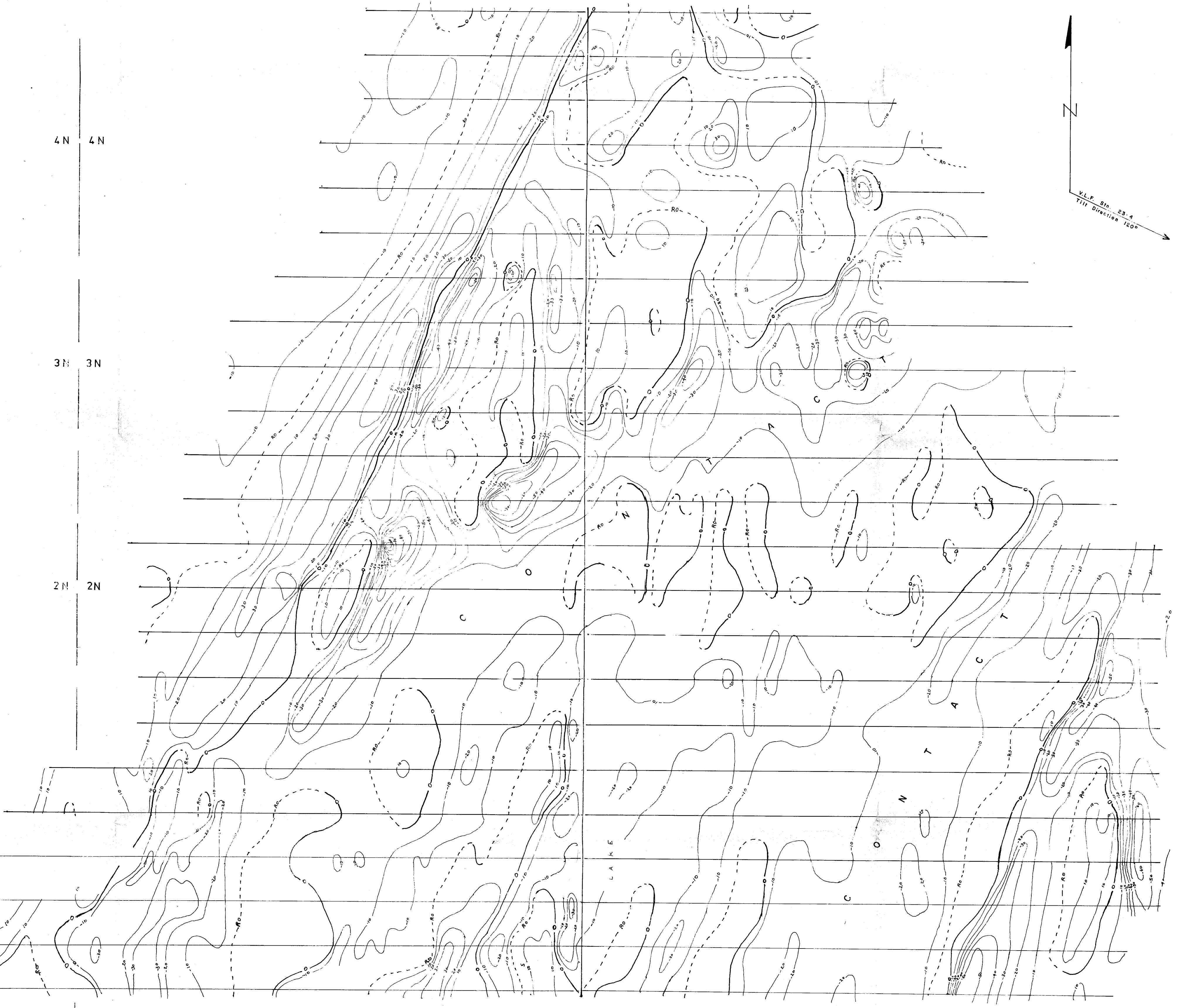
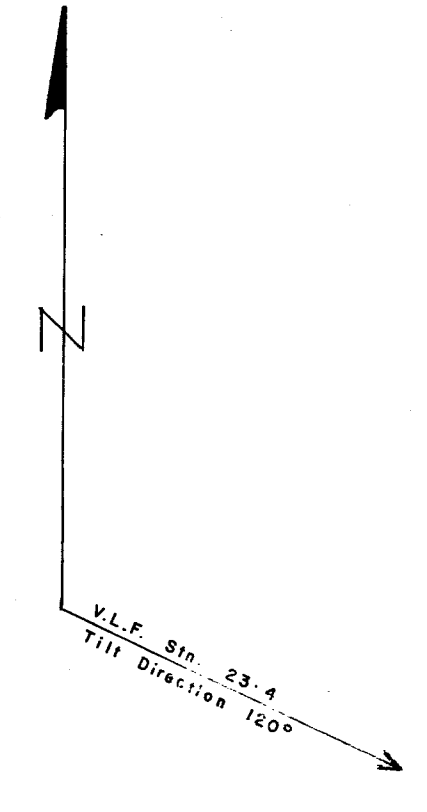
28 W 27 W 26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B.L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 12 E 13 E

4 N 4 N

3 N 3 N

2 N 2 N

L 43 N
L 42 N
L 41 N
L 40 N
L 39 N
L 38 N
L 37 N
L 36 N
L 35 N
L 34 N
L 33 N
L 32 N
L 31 N
L 30 N
L 29 N
L 28 N
L 27 N
L 26 N
L 25 N
L 24 N
L 23 N
L 22 N
L 21 N



1W

LCP MOE 1 LCP MOE 2

1E

2E

LEGEND

Inst. Ronko E.M.16 Serial No. 2
V.L.F. Stn. 23-4 Tilt. Direction 120°
Topographic contours — 10 — 10 —
Conductors — 0 — 0 —
Reverse cross-over — RO —

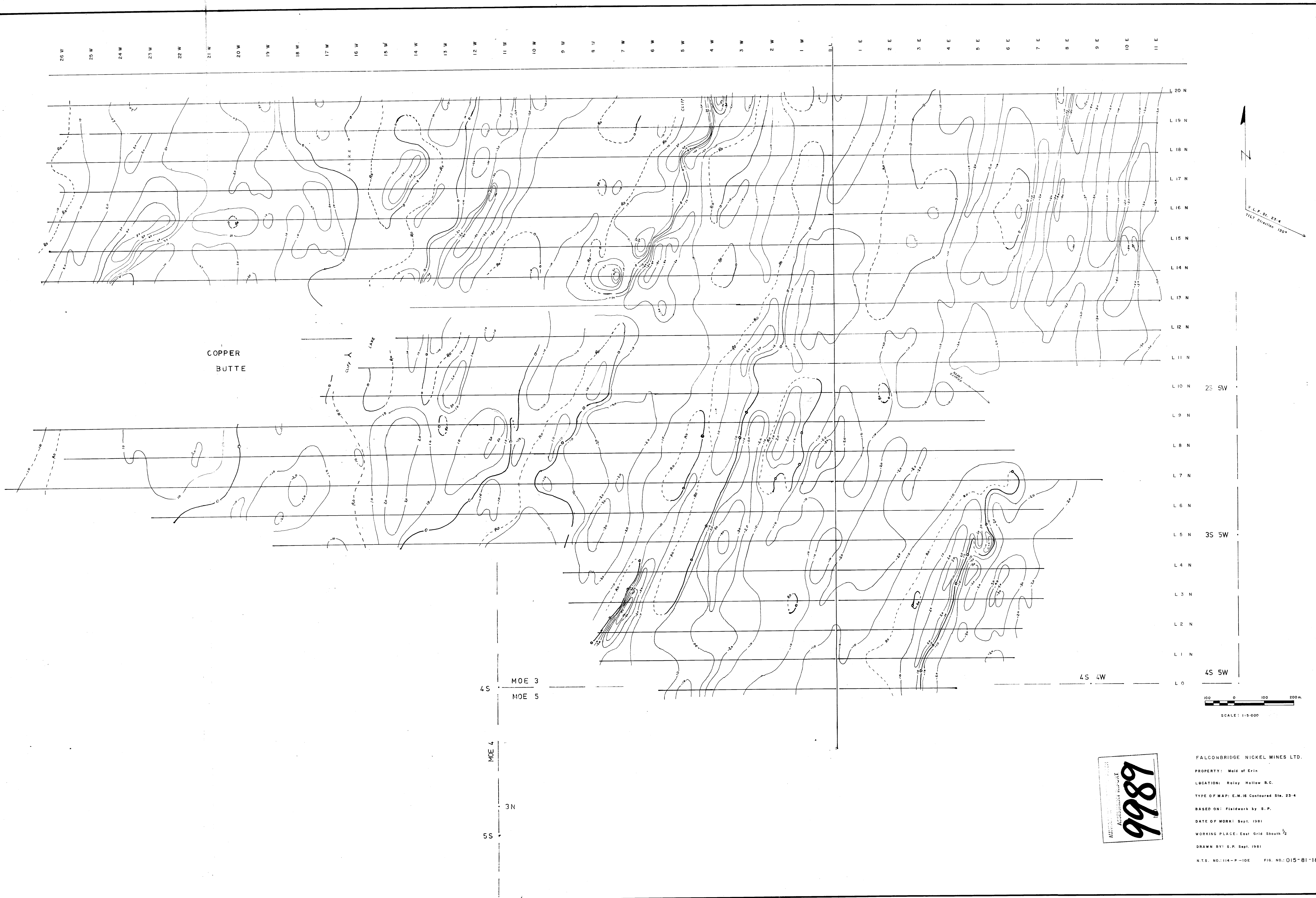


SCALE: 1:5 000

FALCONBRIDGE NICKEL MINES LTD.

PROPERTY: Mtd of Erin
LOCATION: Relay Hollow B.C.
TYPE OF MAP: E.M.16 Contoured
BASED ON: Fieldwork by S.P.
DATE OF WORK: Sept. 1981
WORKING PLACE: East. Grid North Half
DRAWN BY: S.P. Sept. 1981
N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-17

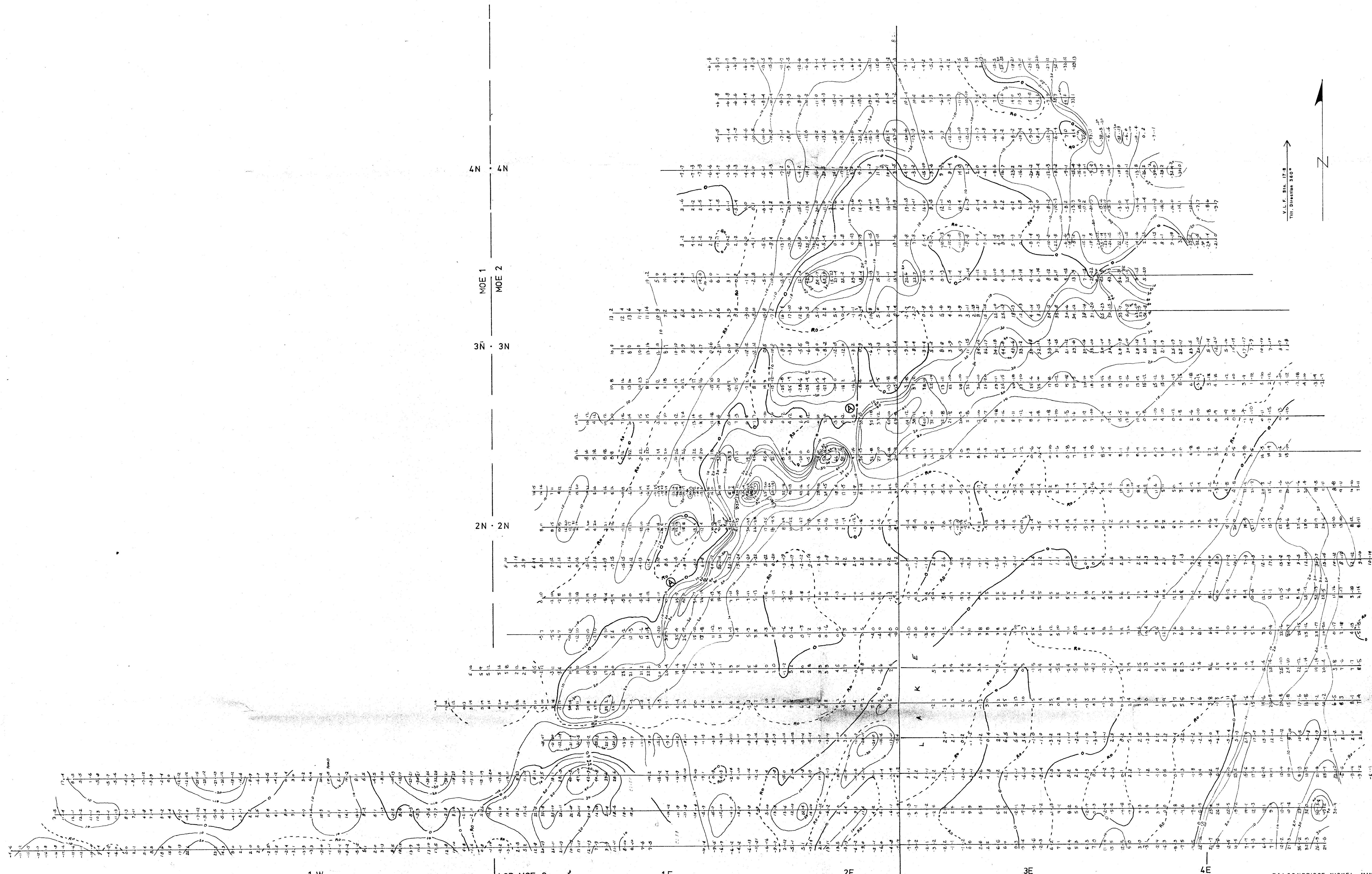
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
69989
N



9989

FALCONBRIDGE NICKEL MINES LTD.
 PROPERTY: Mtd of Erin
 LOCATION: Reley Hollow B.C.
 TYPE OF MAP: E.M.16 Contoured Sta. 23-4
 BASED ON: Fieldwork by S.P.
 DATE OF WORK: Sept. 1981
 WORKING PLACE: East Grid South 1/2
 DRAWN BY: S.P. Sept. 1981
 N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-18

28 W 27 W 26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B.L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 12 E 13 E



LEGEND
 Electromagnetic Survey
 Inst. Reuss E.M.16, V.L.F. Sta.17-B
 Serial No. 2, 17 and 20
 Tilt Direction 360°
 Contours every 10%
 Conductors ————
 Reverse Cross-overs - - - - -

100 0 100 200 m.
 SCALE: 1:5,000

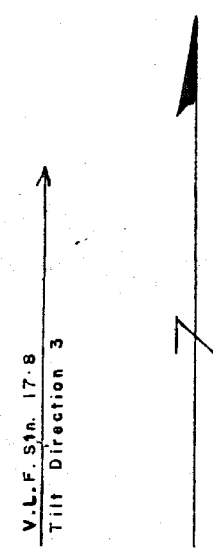
MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
9989
 No.

FALCONBRIDGE NICKEL MINES LTD
 PROPERTY: Meld of Erin
 LOCATION: Relay Hollow B.C.
 TYPE OF MAP: E.M.16 Contoured Sta. 17-B
 BASED ON: Fieldwork by S.P.
 DATE OF WORK: Sept. 1981
 WORKING PLACE: East Grid North Half
 DRAWN BY: S.P. Sept. 1981
 N.T.S. NO.: 114-P-107 FIG. NO. 018-81-19

L-43-N
L-42-N
L-41-N
L-40-N
L-39-N
L-38-N
L-37-N
L-36-N
L-35-N
L-34-N
L-33-N
L-32-N
L-31-N
L-30-N
L-29-N
L-28-N
L-27-N
L-26-N
L-25-N
L-24-N
L-23-N
L-22-N
L-21-N

27 W 26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B.L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E

L20 N
L19 N
L18 N
L17 N
L16 N
L15 N
L14 N
L13 N
L12 N
L11 N
L10 N 2S 5W
L9 N
L8 N
L7 N
L6 N
L5 N 3S 5W
L4 N
L3 N
L2 N
L1 N
L0 4S 5W



COPPER BUTTE

4S
MOE 3
MOE 5
MOE 4
3N
5S

4S 4W

4S 5W

LEGEND

Electromagnetic Survey
Inst. Ronko E.M.16 Serial No 2, 17 and 20
V.L.F. Sta. 17-B Tilt Direction 360°
Ingress Contours at 5% Intervals
Conductors ————
Reverse Cross-over ---RO---

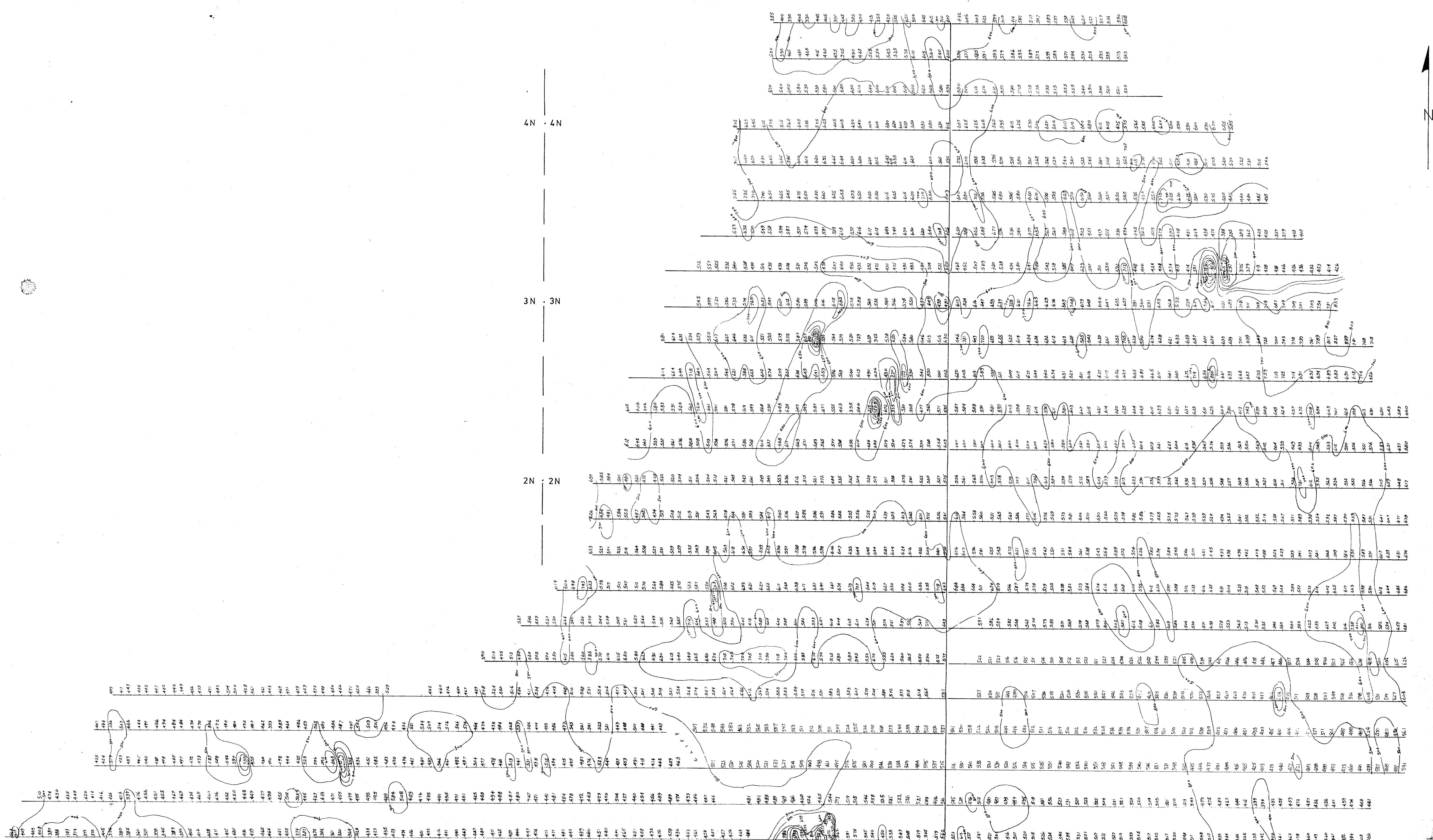


SCALE: 1:15,000

AMERAY RESOURCE ENERGY
ASSESSMENT REPORT
NO
9989

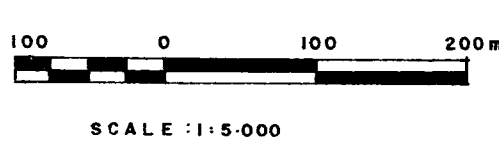
FALCONBRIDGE NICKEL MINES LTD.
PROPERTY: Held of Erin
LOCATION: Raley Hollow B.C.
TYPE OF MAP: E.M.16 Contoured
BASED ON: Fieldwork by S.P.
WORKING PLACE: East Grid South Half.
DATE OF WORK: Sept 1981
DRAWN BY: S.P. Sept 1981
N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-20

26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B. L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 12 E 13 E



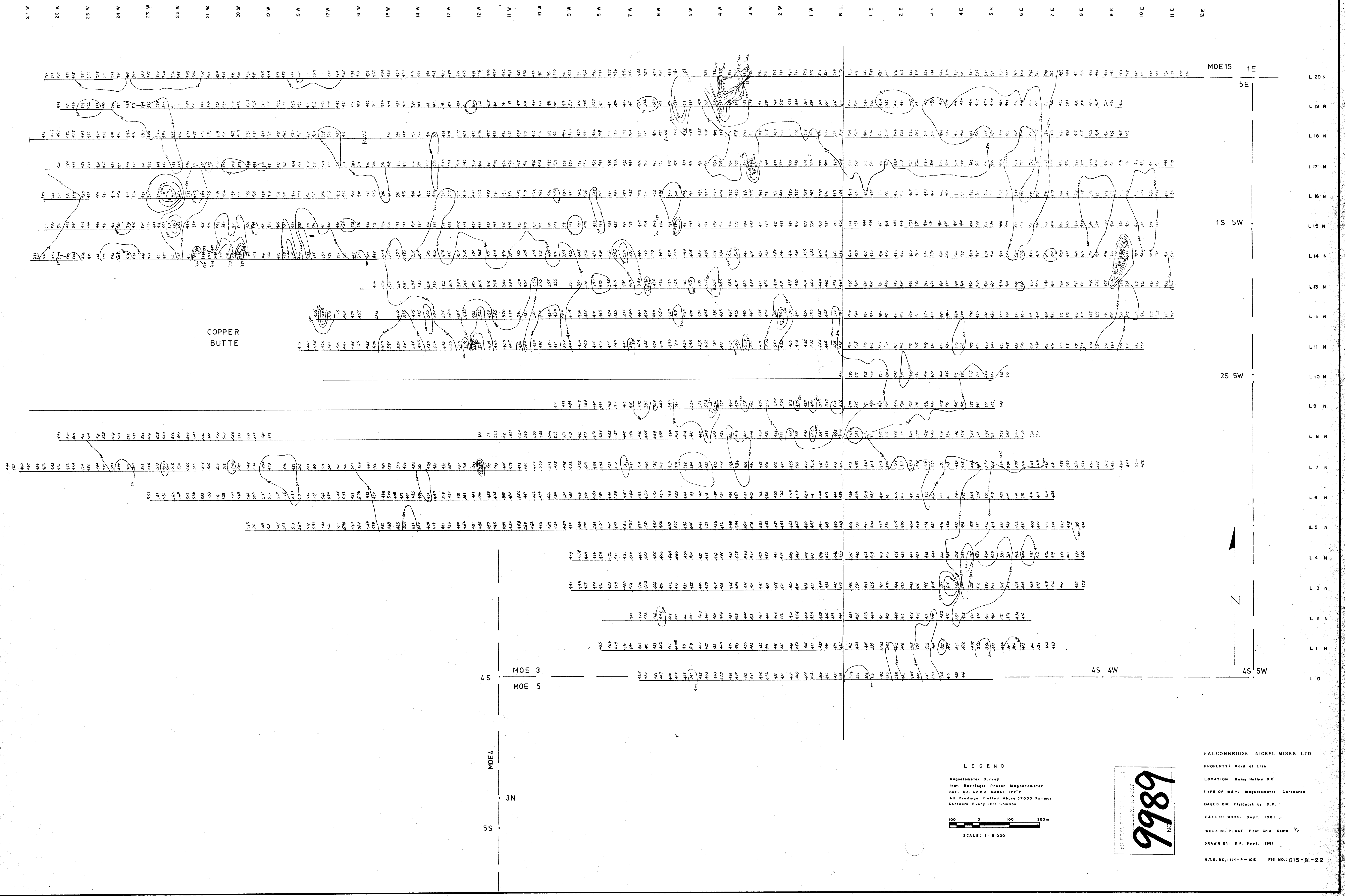
L 43 N
L 42 N
L 41 N
L 40 N
L 39 N
L 38 N
L 37 N
L 36 N
L 35 N
L 34 N
L 33 N
L 32 N
L 31 N
L 30 N
L 29 N
L 28 N
L 27 N
L 26 N
L 25 N
L 24 N
L 23 N
L 22 N
L 21 N
L 20 N

LEGEND
Magnetometer Survey
Inst. Barringer Proton Magnetometer - Ser. No. 6282 Model 122-2
Alt. Readings: Plotted Above 57000 Gauss
Contours: Every 100 Gauss



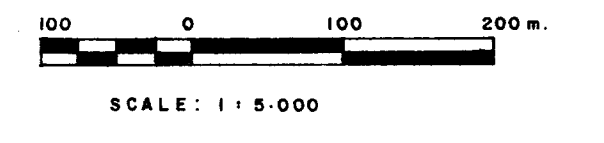
FALCONBRIDGE NICKEL MINES LTD.
PROPERTY: Mine of Erie
LOCATION: Map, Mattew, B.C.
TYPE OF MAP: Magnetometer Contoured
BASED ON: Fieldwork by S.P.
DATE OF WORK: Sept. 1981
WORKING PLACE: East Grid North
DRAWN BY: S.P. Sept. 1981
N.T.S. NO.: 114-P-10E FIG. NO.: 015-B1-21

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9989



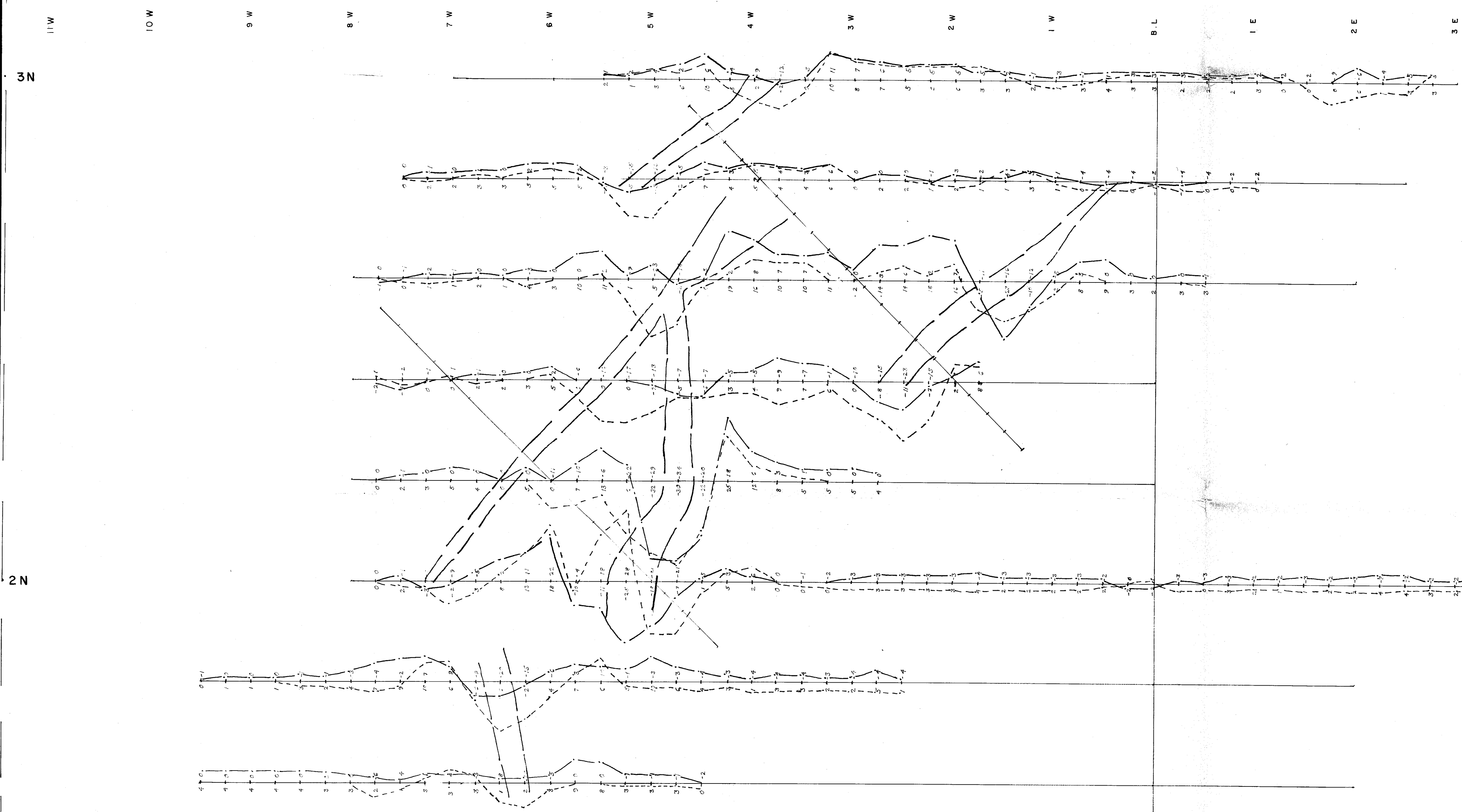
COPPER BUTTE

LEGEND
 Magnetometer Survey
 Inst. Barringer Proton Magnetometer
 Ser. No. 6282 Model 122 Z
 All Readings Plotted Above 57000 Gammas
 Contours Every 100 Gammas



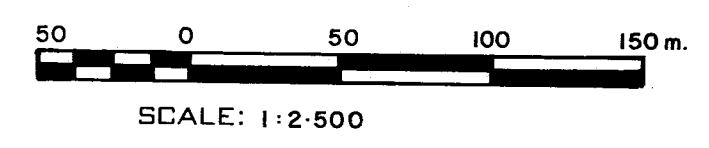
9989

FALCONBRIDGE NICKEL MINES LTD.
 PROPERTY: Mead of Erle
 LOCATION: Relay Hollow B.C.
 TYPE OF MAP: Magnetometer Contoured
 BASED ON: Fieldwork by S.P.
 DATE OF WORK: Sept. 1981
 WORKING PLACE: East Grid South 1/2
 DRAWN BY: S.P. Sept. 1981
 N.T.S. NO. 114-P-10E FIG. NO. 015-81-22



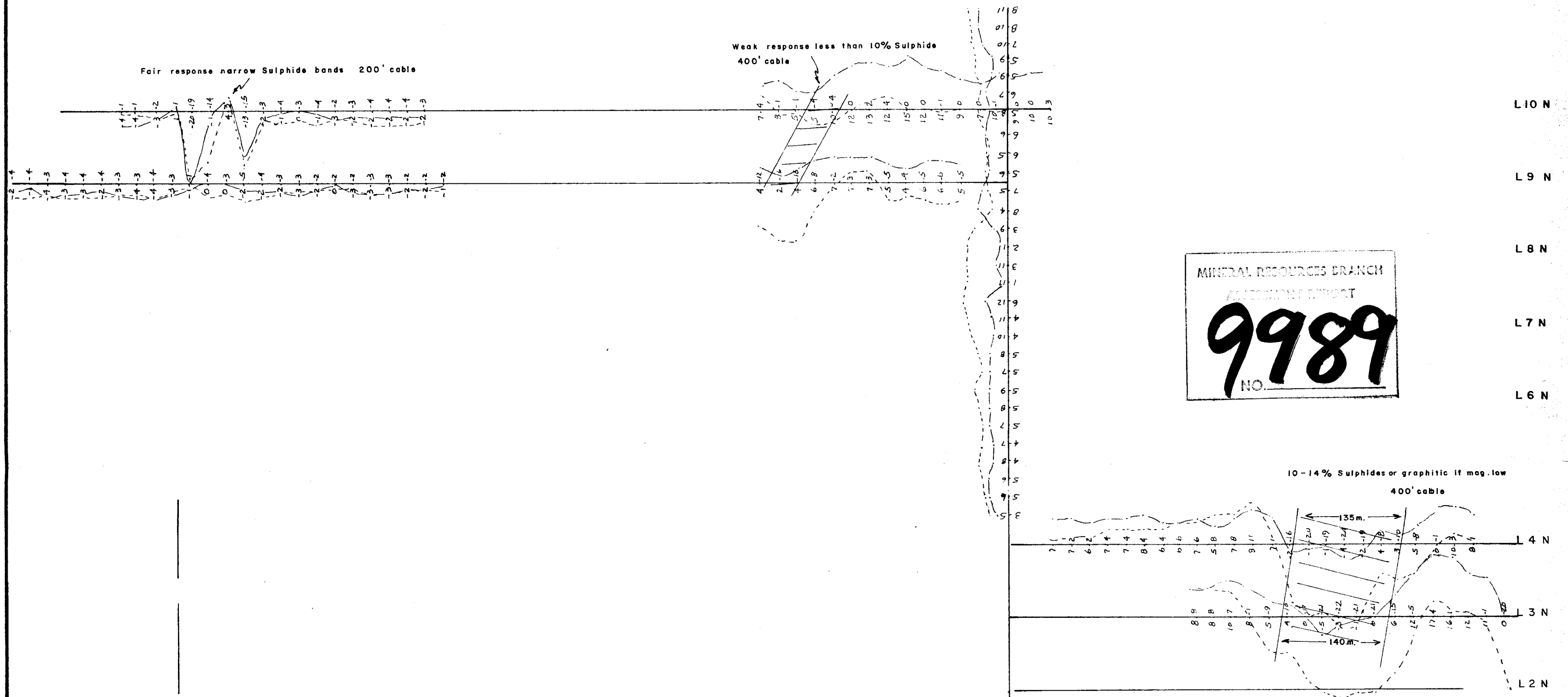
LEGEND
 Horizontal Loop Survey (300' Foot Cable Separation)
 Inst. Ronko E. M. 17. Serial No. 017
 Inphase Profile ———
 Out of Phase Profile - - - - -

MINERAL RESOURCES BRANCH
 REPORT
9989



FALCONBRIDGE NICKEL MINES LIMITED		
PROPERTY: Maid of Erin		
LOCATION: Rainy Hollow B.C.		
TYPE OF MAP: E. M. 17 Profile		
WORKING PLACE: East Grid North half		
BASED ON: Fieldwork by S.P.		
DATE OF WORK: Sept. 1981	MAP REF. NO.:	FIG. NO.:
DRAWN BY: G.T.		
DATE: Nov. 1981	N.T.S. NO.: 114-P-10E	015-81-23

13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B. L. 1 E 2 E 3 E 4 E 5 E 6 E



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
9989
 NO.

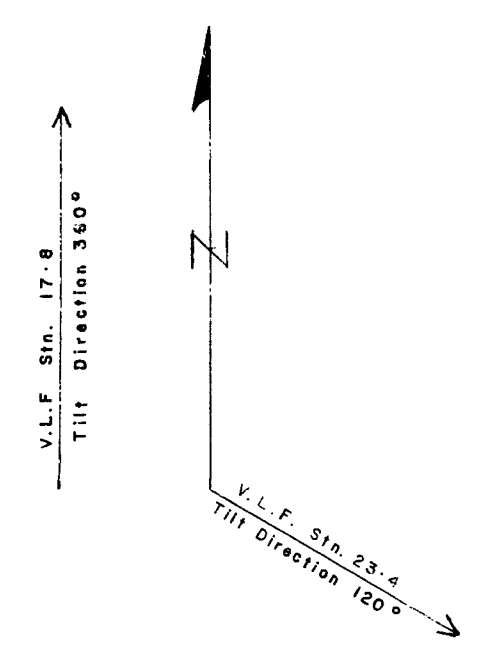
4S
 MOE 3
 MOE 5
 MOE 4

LEGEND
 Electromagnetic Survey
 Inst. Ronka E.M.17 Serial No. 017.
 Horizontal Loop - (Slingram.)
 200 & 400' cable Separation
 Inphase —————
 Out of Phase - - - - -
 Conductive Zone

100 0 100 200m.
 SCALE: 1:5,000

FALCONBRIDGE NICKEL MINES LTD.
 PROPERTY: Maid of Erin
 LOCATION: Rainy Hollow B.C.
 TYPE OF MAP: E.M.17 Profile
 BASED ON: Fieldwork by S.P.
 DATE OF WORK: Sept. 1981
 WORKING PLACE: East Grid South Half
 DRAWN BY: S.P. Sept. 1981
 N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-24

27 W 26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B.L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 12 E



4 N 4 N

3 N 3 N

2 N 2 N

1 W

LCP MOE 1

LCP MOE 2

1 E

2 E

LEGEND

- V.L.F. Sta. 23-4 ————
- V.L.F. Sta. 17-8 ————
- Horizontal Loop ————
- Magnetometer



SCALE: 1:5,000

FALCONBRIDGE NICKEL MINES LTD.

PROPERTY: Maid of Erin

LOCATION: Hokey Hollow B.C.

TYPE OF MAP: Composit Geophysical Plan

BASED ON: Fieldwork by S.P.

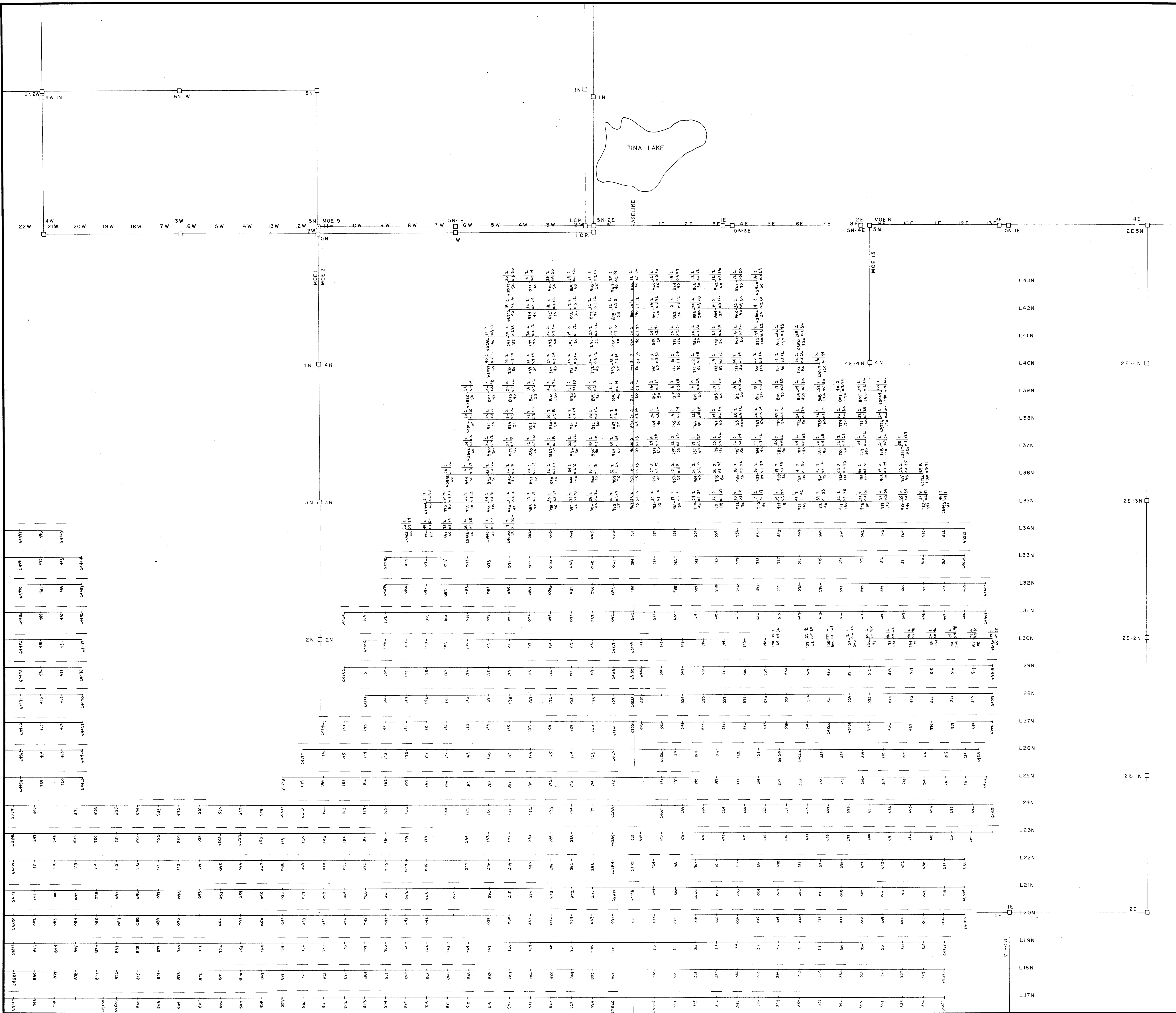
WORKING PLACE: East Grid North Half

DATE OF WORK: Sept. 1981

DRAWN BY: S.P. Sept. 1981

N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-81

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
99989
 NO.

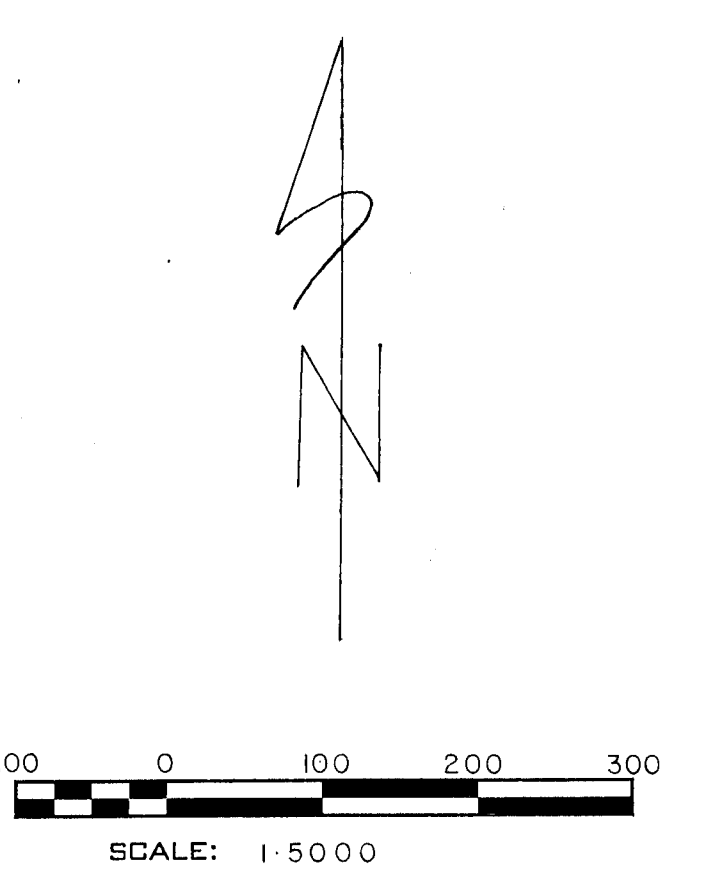


MINERAL RESOURCES BRANCH
 APPROVED REPORT
9989

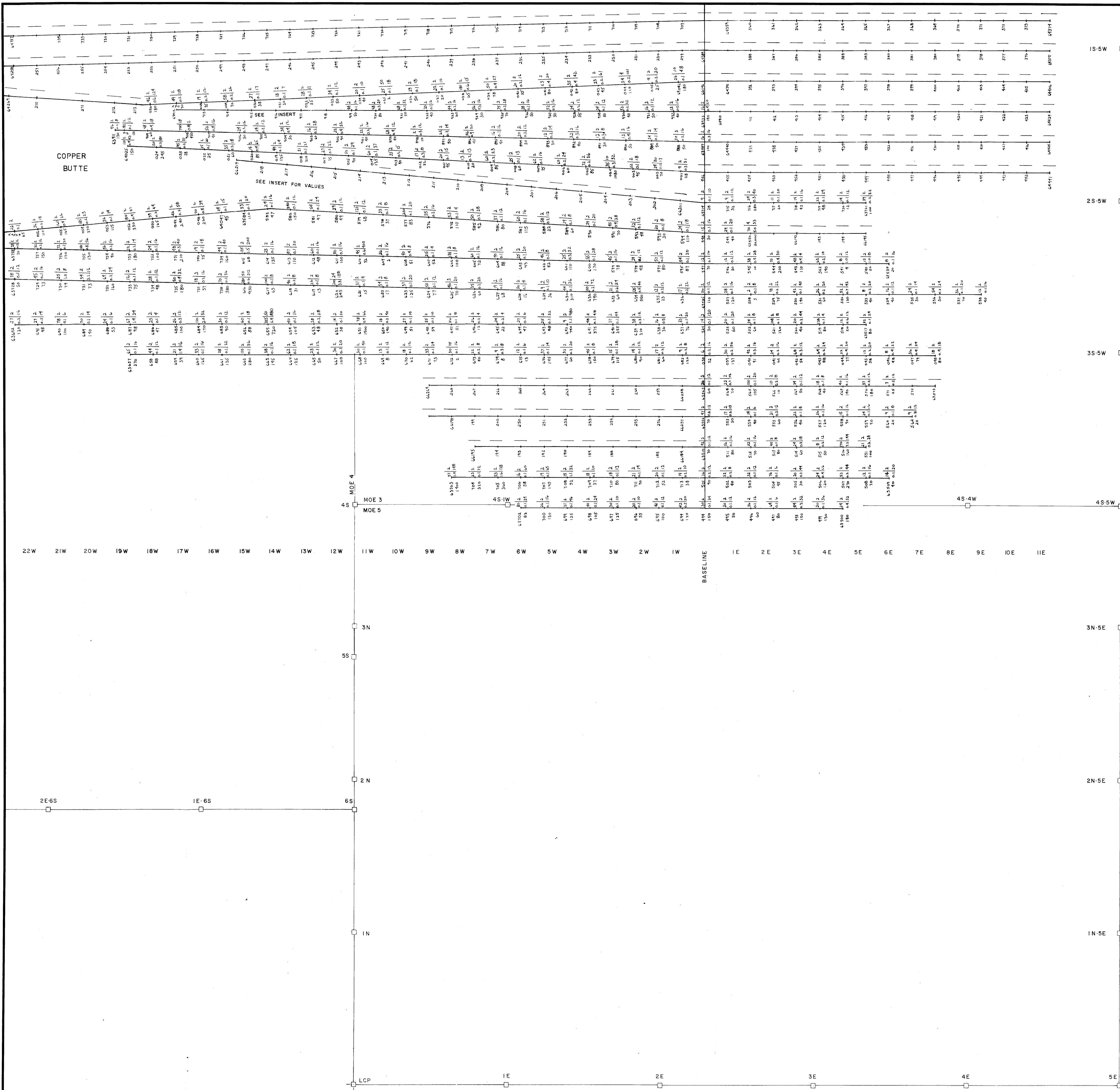
LEGEND

W — 20 — Pb
 Cu — 52 — Ag
 sample no. — 40 — Zn

ALL VALUES IN PPM.



FALCONBRIDGE NICKEL MINES LIMITED		
PROPERTY:	Maid of Erin	PROJECT NO.:
LOCATION:	Rainy Hollow B.C.	
TYPE OF MAP:	Soils Geochem	
WORKING PLACE:	East Grid North half	
BASED ON:		
DATE OF WORK:	MAP REF. NO.:	FIG. NO.:
DRAWN BY: ASM	N.T.S. NO.: H4-P-10E	015-81-90
DATE:		

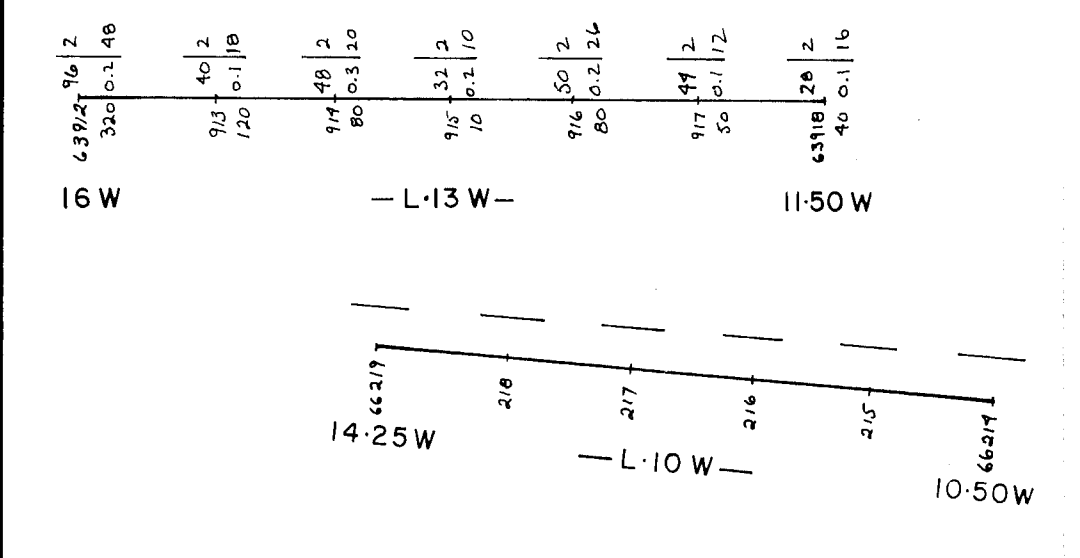


L16N
L15N
L14N
L13N
L12N
L11N
L10N
L9N
L8N
L7N
L6N
L5N
L4N
L3N
L2N
L1N
L0

3N-5E
2N-5E
1N-5E

4E-4W
4S-4W
4S-5W
4E-5W

LCP IE 2E 3E 4E 5E

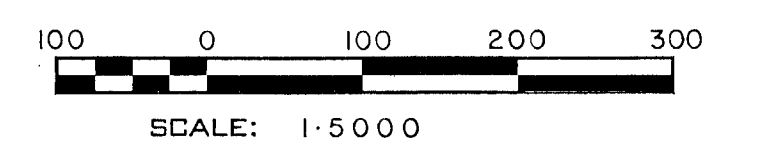
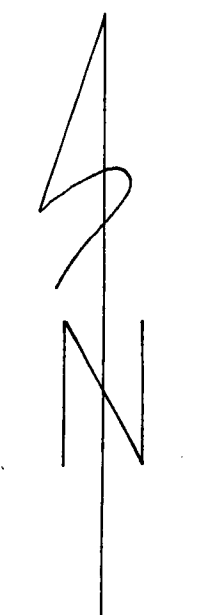


MINERAL RESOURCES BRANCH
REGISTRATION UNIT
9989
NO.

LEGEND

W - 2 - Pb
Cu - 52 0.4 - Ag
sample no. - 40 - Zn

ALL VALUES IN PPM.



FALCONBRIDGE NICKEL MINES LIMITED		
PROPERTY:	Maid of Erin	PROJECT NO.:
LOCATION:	Rainy Hollow	
TYPE OF MAP:	Soils Geochem	
WORKING PLACE:	East Grid South half	
BASED ON:		
DATE OF WORK:	MAP REF. NO.:	FIG. NO.:
DRAWN BY: ASM		
DATE:	N.T.S. NO.: 114-P-10E	015-81-91



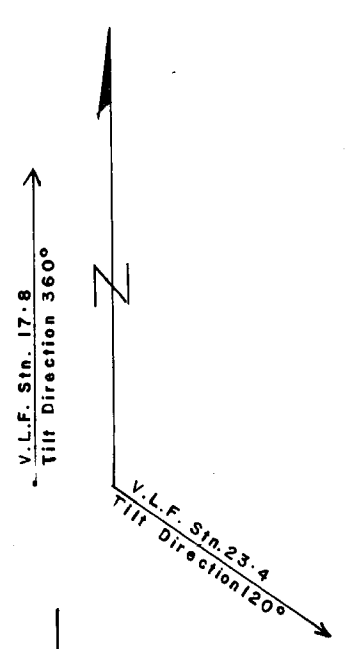
COPPER BUTTE

MOE 3
MOE 5
MOE 4
3N
5S

LEGEND
 V.L.F. Sta. 25-4 —○—○—○—○—
 V.L.F. Sta. 17-8 —○—○—○—○—
 Magnetic // // // // // // //
 Horizontal Loop xxxxxxxx
 SCALE: 1:5,000

9989
No.

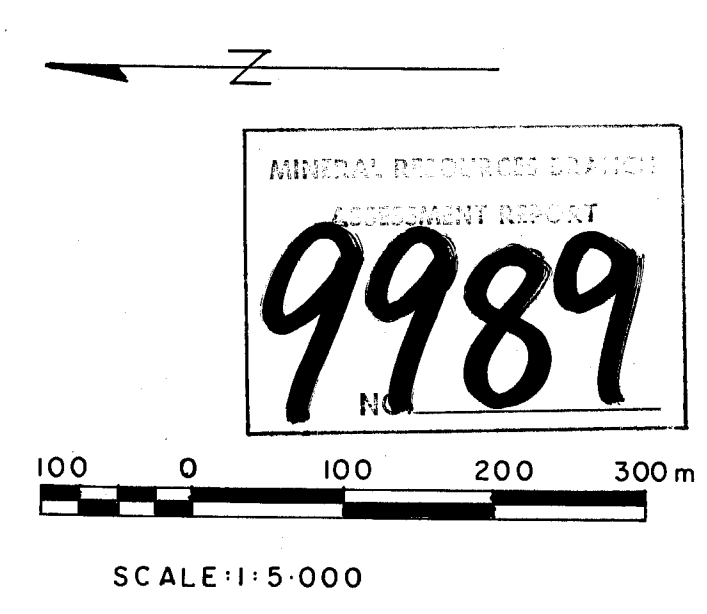
FALCONBRIDGE NICKEL MINES LTD
 PROPERTY: Maid of Erin
 LOCATION: Rainy Hollow B.C.
 TYPE OF MAP: Composite Geophysical Plan
 BASED ON: Fieldwork by S.P.
 WORKING PLACE: East Grid South Half
 DATE OF WORK: Sept 1981
 DRAWN BY: S.P. Sept. 1981
 N.T.S. NO.: 114-P-10E FIG. NO.: 015-81-82



L21 N
L20 N
L19 N
L18 N
L17 N
L16 N
L15 N 1S 5W
L14 N
L13 N
L12 N
L11 N
L10 N 2S 5W
L9 N
L8 N
L7 N
L6 N
L5 N 3S 5W
L4 N
L3 N
L2 N
L1 N
L0 4S 5W

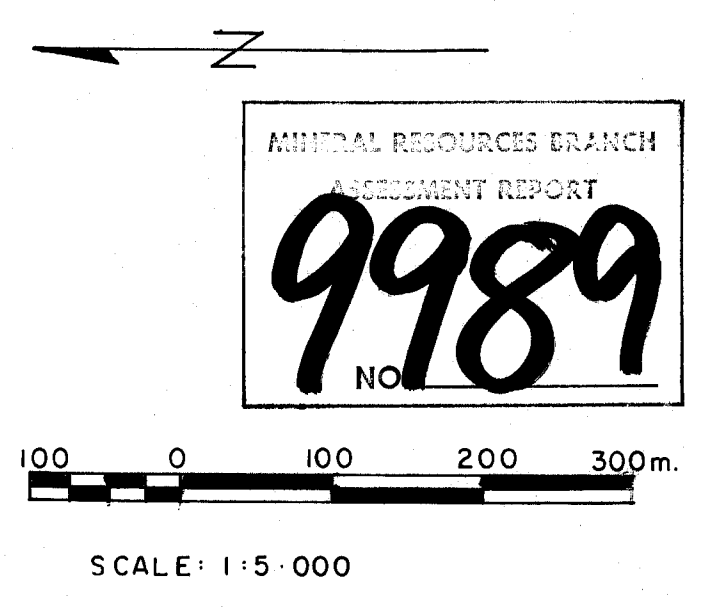
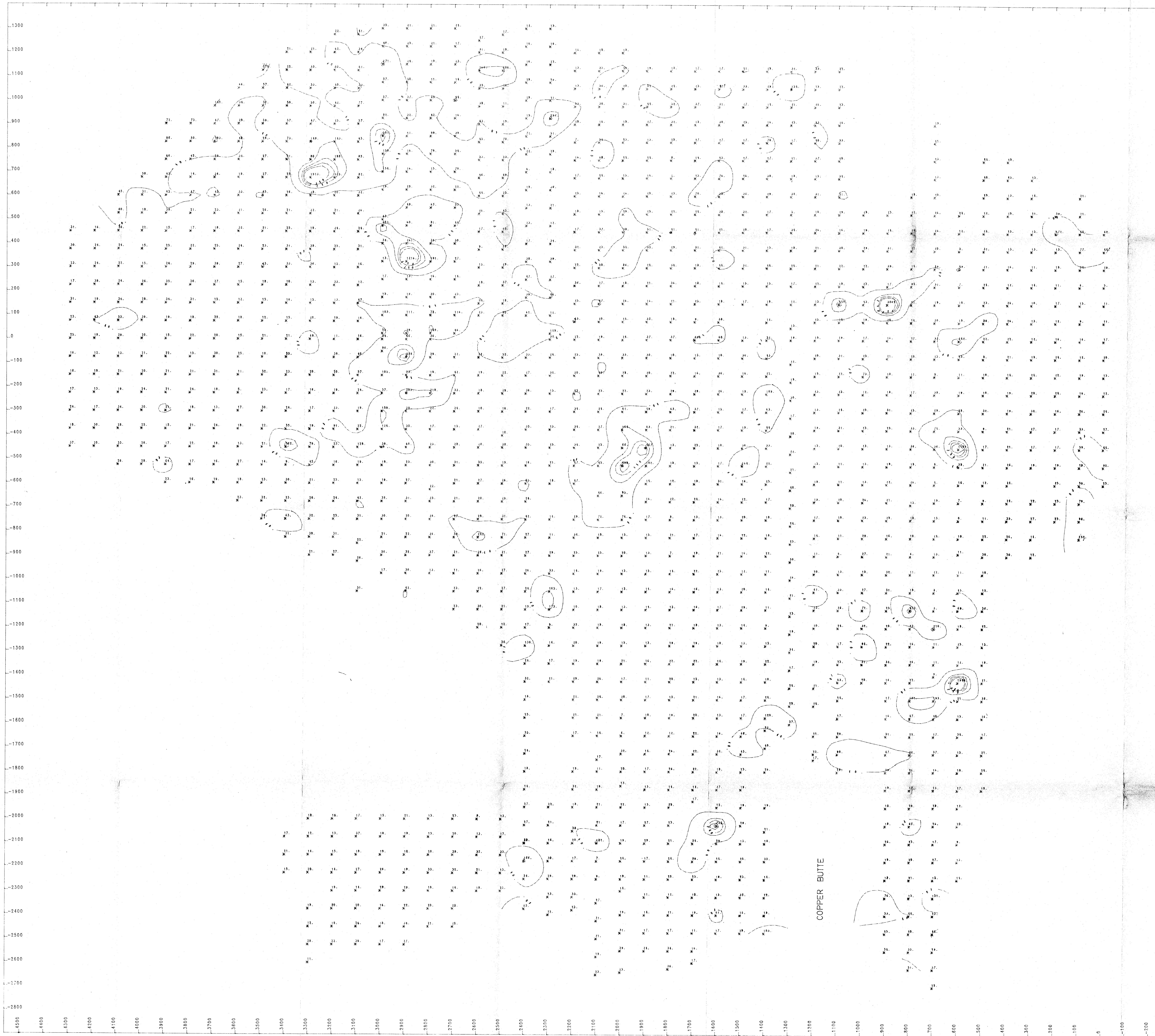
26 W 25 W 24 W 23 W 22 W 21 W 20 W 19 W 18 W 17 W 16 W 15 W 14 W 13 W 12 W 11 W 10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W B.L. 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E

20-JAN-82 20:16:28 GFDLDSK6 PLOTOUT P



FALCONBRIDGE NICKEL MINES LTD.
MAID OF ERIN P.N. 015
SOILS GEOCHEMISTRY: PPM Cu
EAST GRID
NTS 1:14P / 10E DEC 1981
SCALE 1:5000 FIG. NO. 015-81-66
H A SIMONS (INTERNATIONAL) LTD.
CONSULTING ENGINEERS

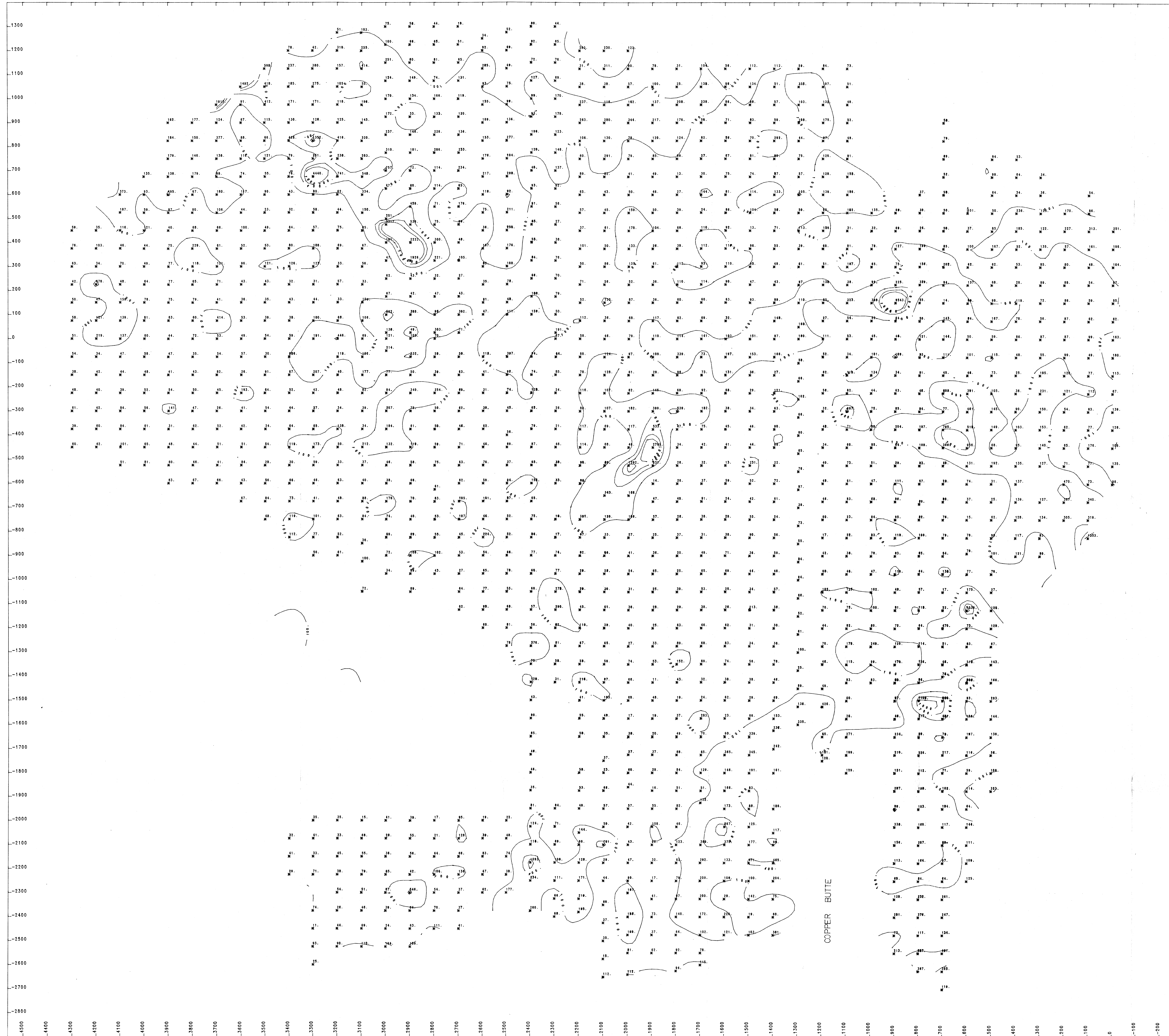
18-JAN-82 20:08:10 GFDL06 DSK6 PLTPB1L PLT



FALCONBRIDGE NICKEL MINES LTD.
 MAID OF ERIN P.N. 015
 SOILS GEOCHEMISTRY: PPM Pb
 EAST GRID
 NTS 114P / 10E DEC 1981
 SCALE 1:5000 FIG. NO. 015-81-67
 H A SIMONS (INTERNATIONAL) LTD.
 CONSULTING ENGINEERS

18-JAN-82 20:11:56 G E O L O G

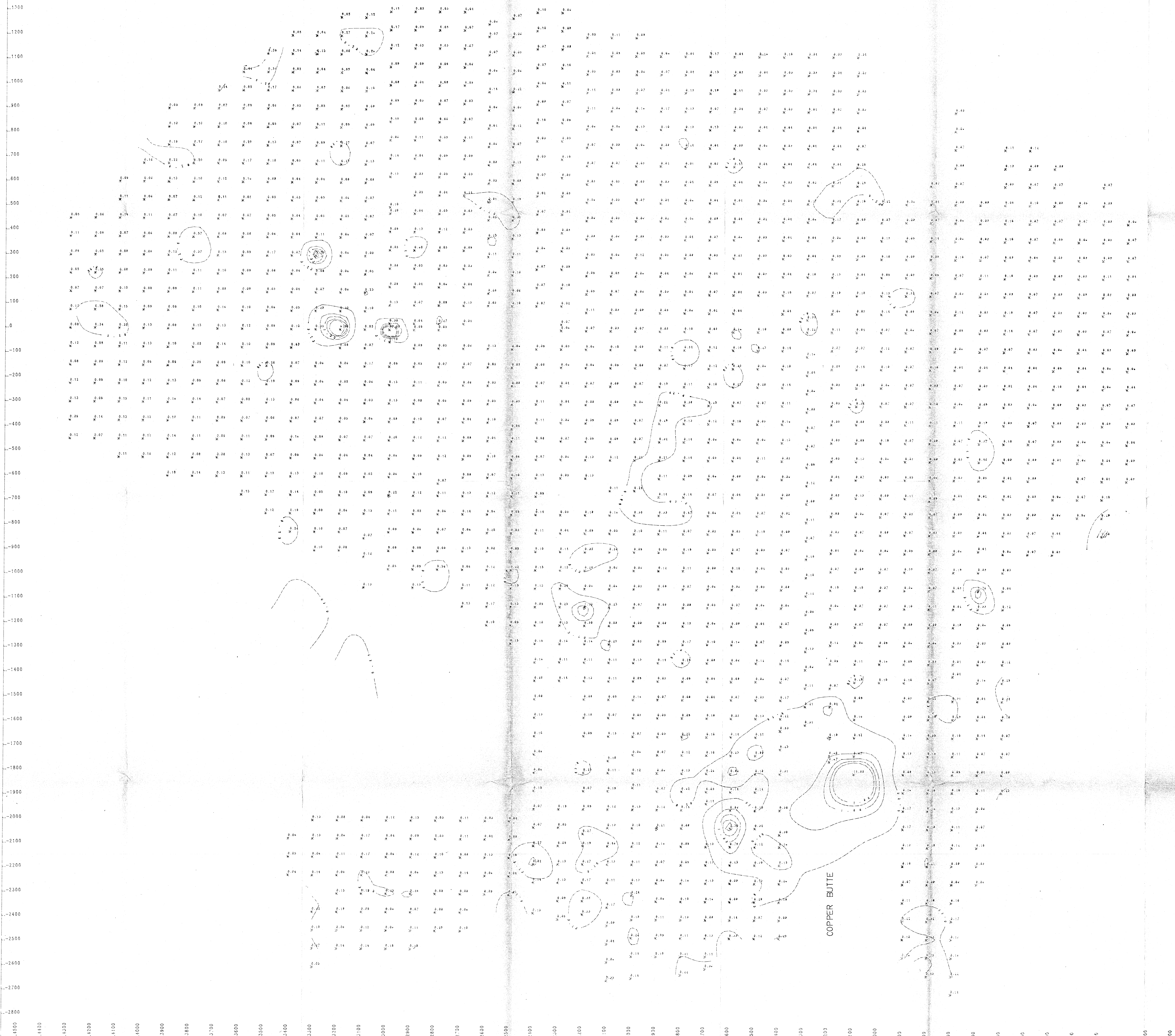
DSK6:PLTZN1L.PLT



9989
NO
100 0 100 200 300 m
SCALE 1:5 000

FALCONBRIDGE NICKEL MINES LTD.
MAID OF ERIN P.N. 015
SOILS GEOCHEMISTRY: PPM Zn
EAST GRID
NTS 114P / 10E DEC 1981
SCALE 1:5000 FIG. NO. 015-81-68
H A SIMONS (INTERNATIONAL) LTD.
CONSULTING ENGINEERS

20-JAN-82 18:50:59 GFDL06 DSK6:PLTCA1:PI

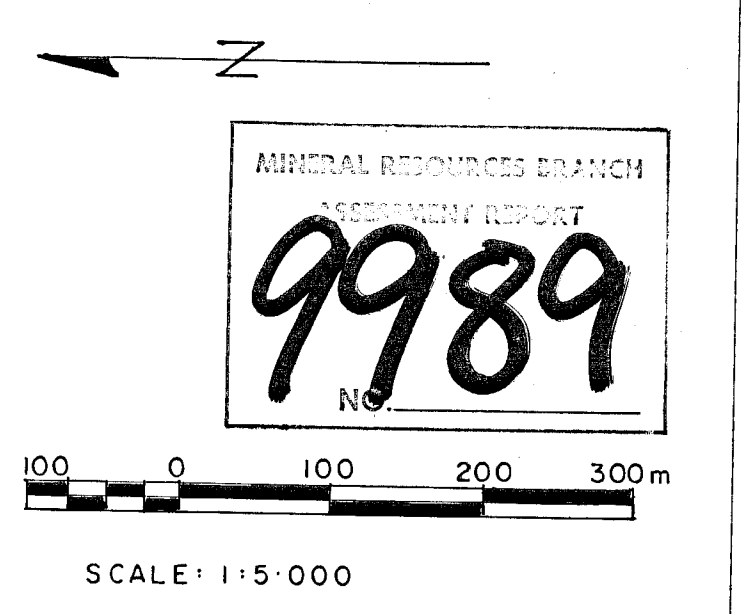


MINERAL RESOURCES BRANCH
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 NO. 100
 SCALE 1:5,000

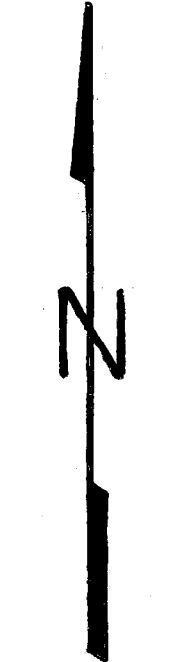
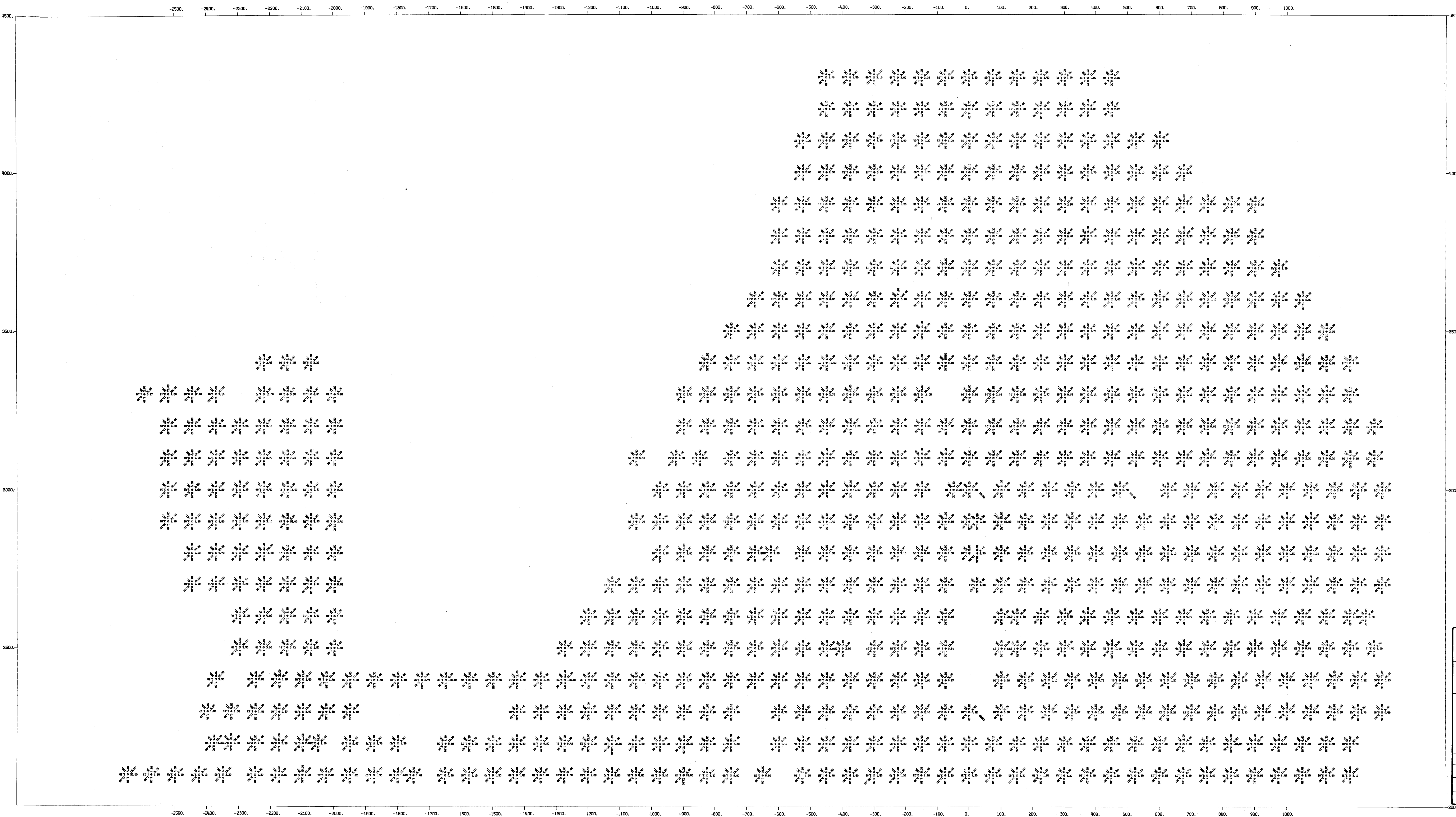
FALCONBRIDGE NICKEL MINES LTD.
 MAID OF ERIN P.N. 015
 SOILS GEOCHEMISTRY: PERCENT Co
 EAST GRID
 NTS 1:40 / 10E DEC 1981
 SCALE 1:5000 FIG. NO. 015-81-70
 H A SIMONS (INTERNATIONAL) LTD.
 CONSULTING ENGINEERS

82 00 07 26 GEOL0G

DSK6 PLTAG1L PLT



FALCONBRIDGE NICKEL MINES LTD.
 MAID OF ERIN P.N. 015
 SOILS GEOCHEMISTRY: PPM Ag
 EAST GRID
 NTS 114P: 10E DEC 1981
 SCALE 1:3000 FIG. NO. 015-81-69
 H A SIMONS (INTERNATIONAL) LTD.
 CONSULTING ENGINEERS



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9989
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CANADIAN GEOSCIENCE CORPORATION
Vancouver, Canada

PROJECT: **FALCONBRIDGE NICKEL MINES LTD**
MAID OF ERIN RAINY HOLLOW, B.C.

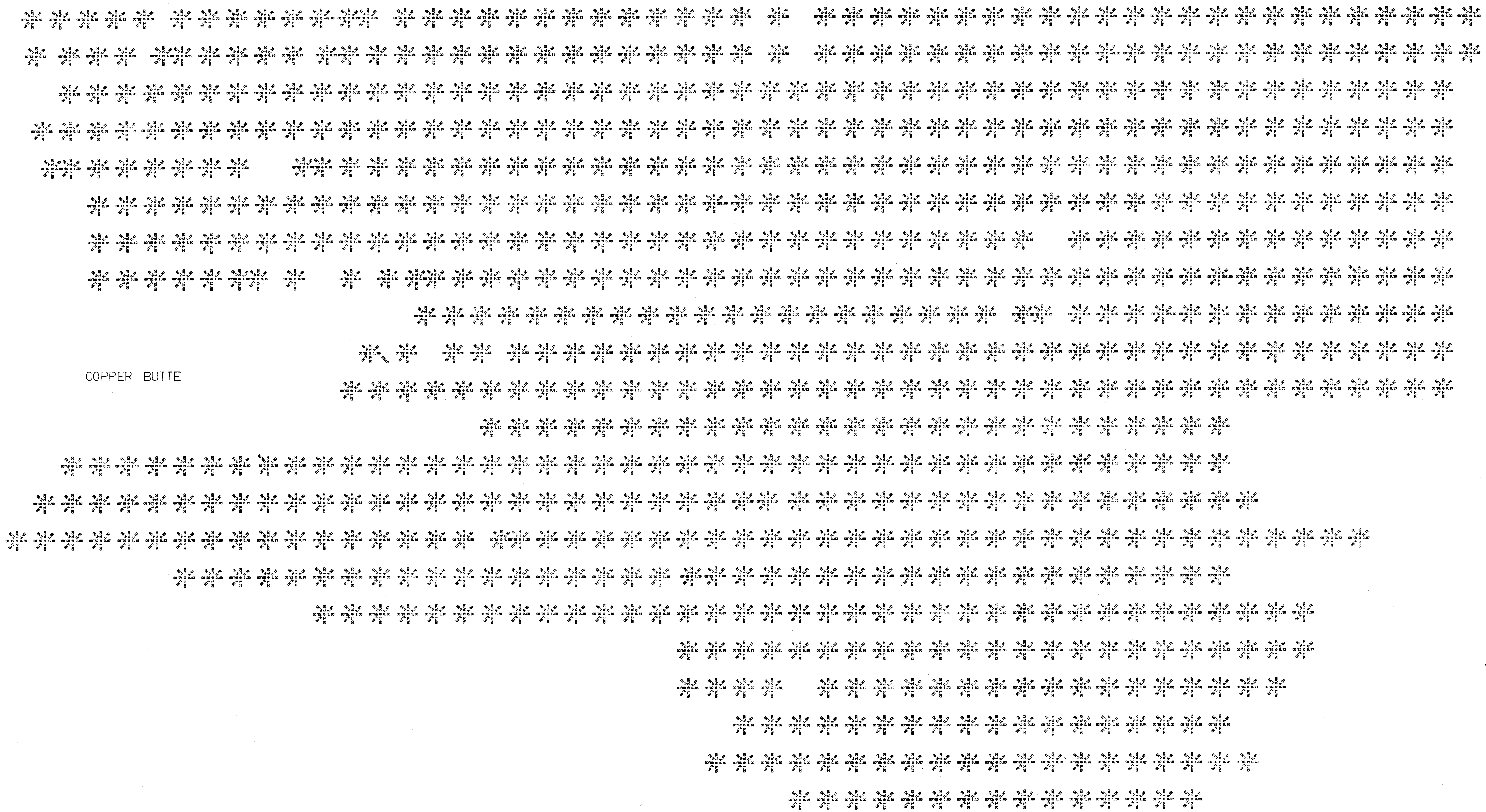
TITLE: **SOILS GEOCHEMISTRY**
EAST GRID N. MAP 1 OF 2 SUMMER, 1981

1:5000
0 100 200 300 400 500 metres

BY	D	M	Y	KEY: p.p.m. (Fe, %)		PN 015
DR	26	1	82			NTS 114P / IOE
TR						
AP						FIG 015 - 81 (74)

-2500. -2400. -2300. -2200. -2100. -2000. -1900. -1800. -1700. -1600. -1500. -1400. -1300. -1200. -1100. -1000. -900. -800. -700. -600. -500. -400. -300. -200. -100. 0. 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

2000.
1500.
1000.
500.
0.



COPPER BUTTE

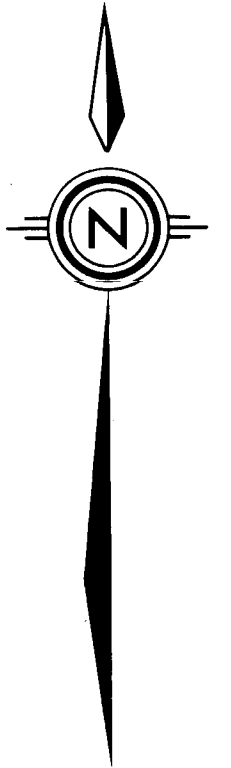


MINERAL RESOURCES BRANCH
ASSESSMENT SUB-DIVISION
9989
110

CANADIAN GEOSCIENCE CORPORATION <small>Vancouver, Canada</small>				
PROJECT: FALCONBRIDGE NICKEL MINES LTD				
MAID OF ERIN			RAINY HOLLOW, B.C.	
TITLE: SOILS GEOCHEMISTRY				
EAST GRID S MAP 2 OF 2			SUMMER, 1981	
1:5000 metres				
BY	D	M	Y	KEY: pp.m.
DR	26	01	82	
TR				
AP				
				PN 015
				NTS 114P/10E
				FIG 015-81 (77)

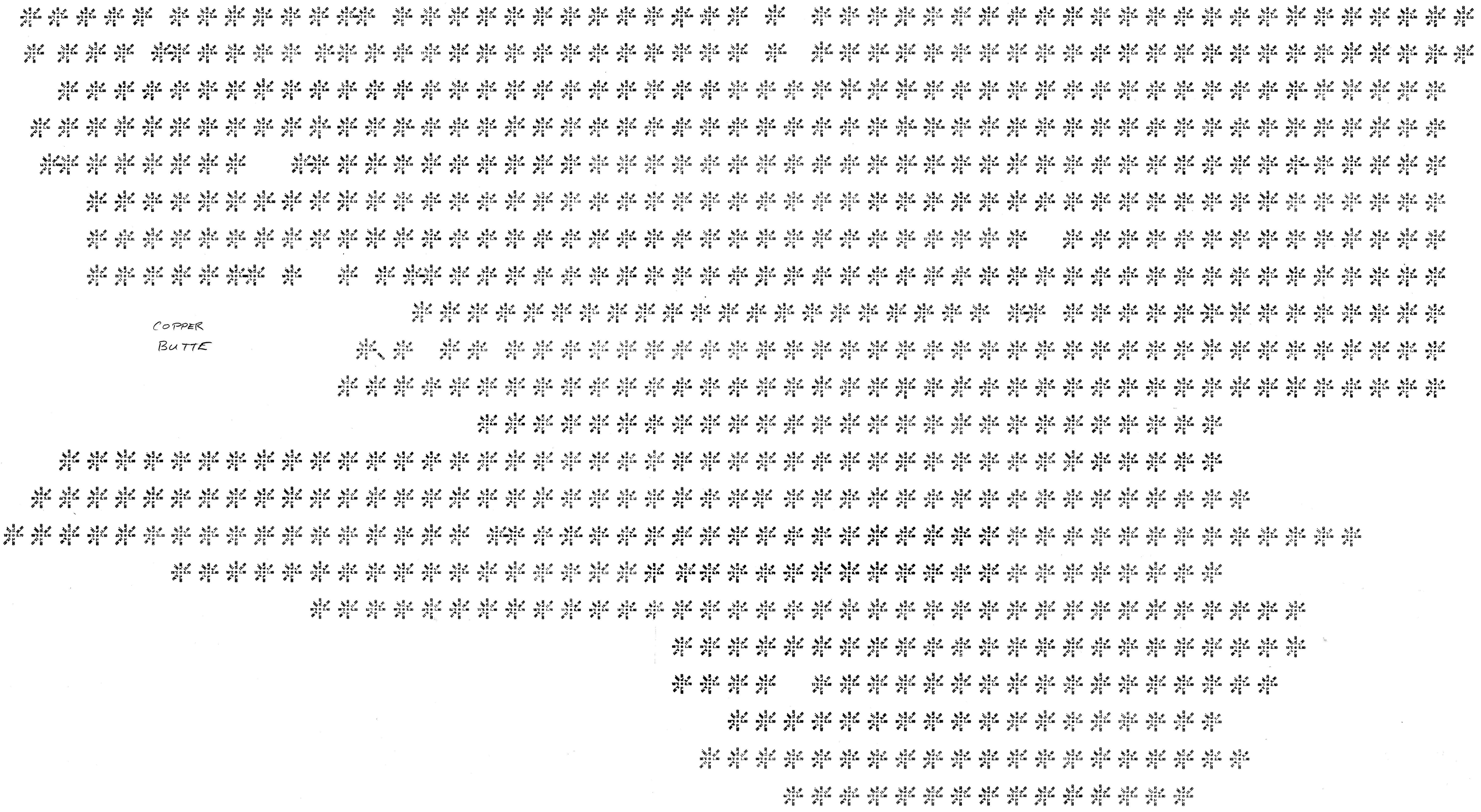
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-2500. -2400. -2300. -2200. -2100. -2000. -1900. -1800. -1700. -1600. -1500. -1400. -1300. -1200. -1100. -1000. -900. -800. -700. -600. -500. -400. -300. -200. -100. 0. 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
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NO.

COPPER
BUTTE



-2500. -2400. -2300. -2200. -2100. -2000. -1900. -1800. -1700. -1600. -1500. -1400. -1300. -1200. -1100. -1000. -900. -800. -700. -600. -500. -400. -300. -200. -100. 0. 100. 200. 300. 400. 500. 600. 700. 800. 900. 1000.

CANADIAN GEOSCIENCE CORPORATION
Vancouver, Canada

PROJECT: **FALCONBRIDGE NICKEL MINES LTD**
MAID OF ERIN RAINY HOLLOW, B.C.

TITLE: **SOILS GEOCHEMISTRY**
EAST GRID S MAP 1 OF 2 SUMMER, 1981

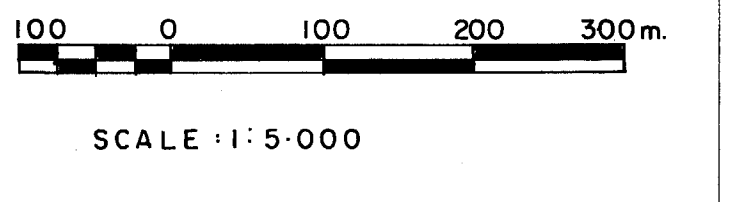
SCALE 1:5000
100 0 100 200 300 400 500 m

BY	D	M	Y	KEY:	PN 015
DR	26	01	82		NTS 114P/10E
TR					FIG 015-81 (76)
DF					NOTE: VALUES IN PPM EXCEPT Fe % S # = SAMPLE NUMBER

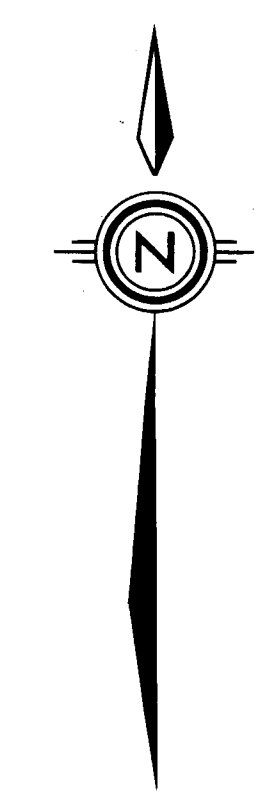
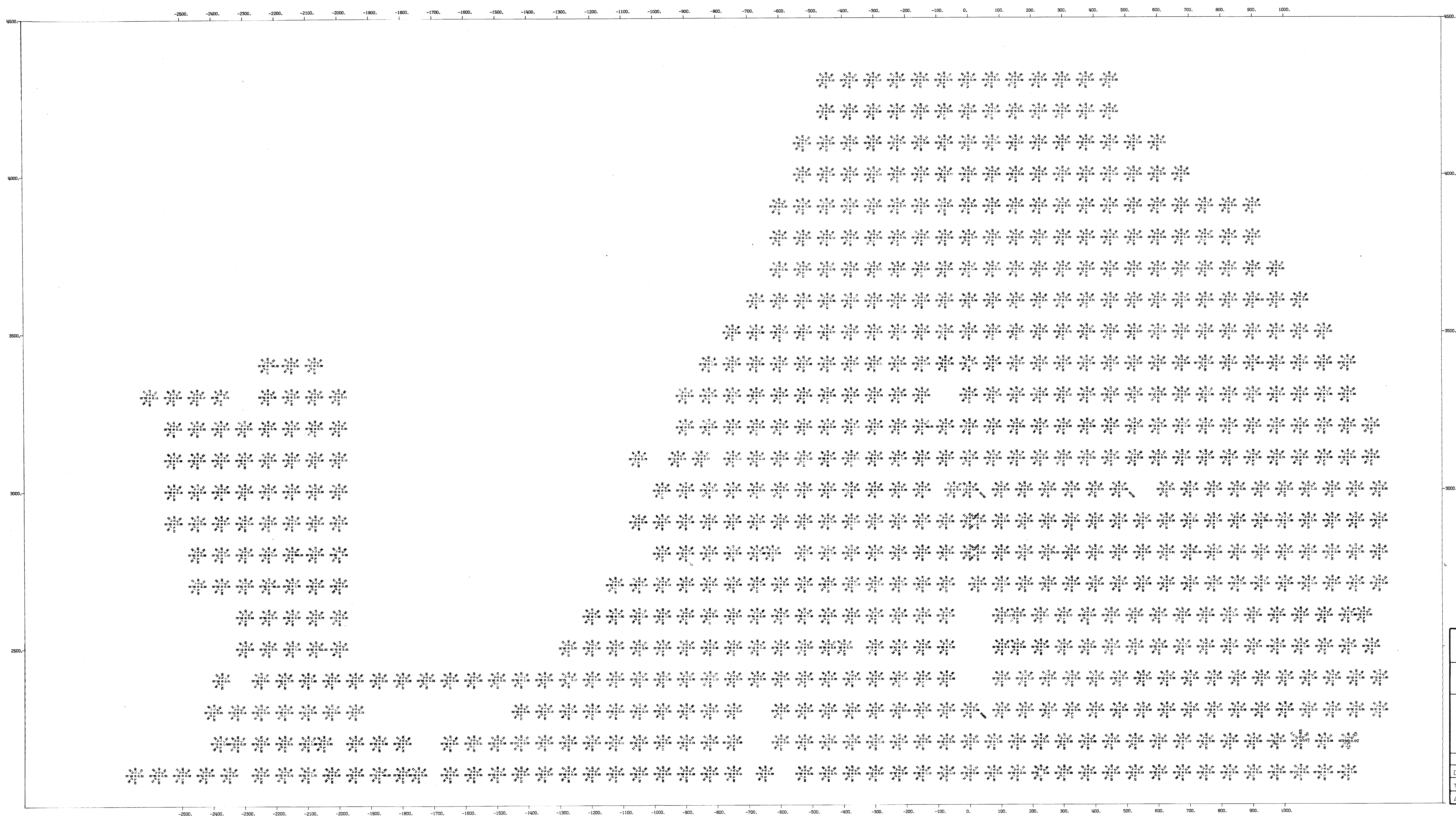
20-JAN-82 18:44:20 GEOFLOG DSK6 PLTMG1 PLT



9989
NO.



FALCONBRIDGE NICKEL MINES LTD.
MAD OF ERIN P.N. 015
SOILS GEOCHEMISTRY: PERCENT Mg
EAST GRID
NTS 114P / 10E DEC 1981
SCALE 1:5000 FIG. NO. 015-81-71
H A SIMONS (INTERNATIONAL) LTD.
CONSULTING ENGINEERS

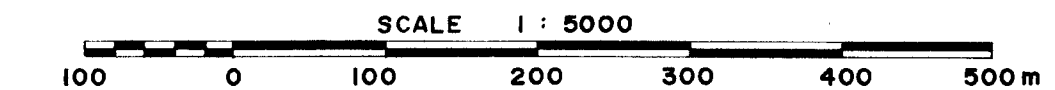


MINERAL RESOURCES BRANCH
 GEOLOGICAL SURVEY OF CANADA
9989

CANADIAN GEOSCIENCE CORPORATION
 Vancouver, Canada

PROJECT **FALCONBRIDGE NICKEL MINES LTD**
MAID OF ERIN RAINY HOLLOW, B.C.

TITLE **SOILS GEOCHEMISTRY**
EAST GRID N MAP 2 OF 2 SUMMER, 1981.



BY	D	M	Y	KEY :	PN 015
DR	26	01	82		
TR				NOTE: VALUES IN PPM S# = SAMPLE NUMBER	NTS 114P/10E
AP					FIG 015 - 81 (75)