52K/01SW-0026

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# REPORT ON THE MAGNETIC AND ELECTROMAGNETIC SURVEYS CLAIM BLOCK 15 GULLWING AREA LOMOND TOWNSHIP DISTRICT OF KENORA, ONTARIO

A.P. Pryslak,
D.A. Hutton,

March, 1979.

INTRODUCTION

A program of magnetic and electromagnetic surveying was carried out on a grid of lines located on the ice of Vermilion Lake in January of 1979.

Claims included in the survey include the following:

Pa 436378-436381, inclusive

The claims lie entirely on Vermilion Lake. Access to the west end of the lake is via a series of logging roads.

The geophysical surveys were controlled by grid lines spaced at intervals of 400 feet. Readings were taken at 100-foot stations along grid lines. The readings were reduced to 50-foot stations in areas of anomalous activity.

The magnetometer used on this survey was a McPhar M-700 fluxgate instrument which measures the earth's magnetic field to an accuracy of 10 gammas. The electromagretic instrument used was an Apex Max-Min II H.L.E.M. unit with a frequency of 1777 Hertz. Coil separation was 400 feet. In-phase and quadrature components of the secondary field were read to an accuracy of 1% of the primary field.

2/....

GENERAL GEOLOGY

Geological mapping along the west shoreline of Vermilion Lake shows that the grid area should be underlain by mafic meta-volcanics with intermediate to felsic pyroclastics extending eastward into the area immediately south of the grid.

MAGNETOMETER SURVEY RESULTS

The magnetic response over the grid is rather low. The contours trend approximately east-west, parallel to stratigraphy. A very weak magnetic feature lies to the north of the baseline from line 0+00 to 20E. A second weak anomaly lies immediately south of the grid. These weak magnetic anomalies probably reflect minor differences in the magnetic susceptibility of andesitic flows or tuffs.

ELECTROMAGNETIC SURVEY RESULTS

A single conductor was identified by the survey. This feature lies to the south of and is approximately parallel to the baseline. It extends from line 0+00 to 24+00E. The anomaly has good in-phase and quadrature responses and is likely due to graphitic metasediments or pyrite-bearing tuffs or sediments.

3/....

A weak possible bedrock conductor lies to the north of the baseline on lines 36 and 40E. The feature would appear to be approximately on strike of the main conductor.


A.P. Pryslak,
D.A. Hutton,

March, 1979.

:fa

# REPORT ON THE MAGNETIC AND ELECTROMAGNETIC SURVEYS GRID 1A GULLWING AREA LOMOND TOWNSHIP DISTRICT OF KENORA, ONTARIO



A.P. Pryslak,
D.A. Hutton,

March, 1979.

## INTRODUCTION

A program of magnetic and electromagnetic surveying was carried out over a grid of lines located along the south shore of Vermilion Lake in January, 1979.

Claims included in the survey are as follows:

Pa 498102 and 498103

Readings in the survey were taken at 100-foot stations. This was reduced to 50-foot invervals in areas of anomalous activity.

The magnetometer used on the survey was a McPhar M-700 fluxgate instrument which measures the earth's magnetic field to an accuracy of 10 gammas. The electromagnetic instrument used was an Apex Max-Min II unit at a frequency of 1777 Hertz. Coil separation was 400 feet. In-phase and quadrature components of the secondary field were read to an accuracy of 1% of the primary field.

## GENERAL GEOLOGY

Bedrock in the area is of Early Precambrian Age and consists of metavolcanic-metasedimentary rocks of the Wabigoon Greenstone Belt.

2/....

Conglomerate outcrops on the two small peninsulas with greywacke underlying the main part of the grid. The stratigraphic relationship is best illustrated on map 2242 by Johnson (1).

## MAGNETOMETER SURVEY RESULTS

The magnetic response over the small grid is rather low with the variation being less than 300 gammas. This reflects on the unsorted characteristic of the clastic sediments which form the bedrock in the area.

## ELECTROMAGNETIC SURVEY RESULTS

The survey did not identify any bedrock conductors. In-phase response is virtually absent. A weak negative quadrature response at the south end of lines 20 and 24E is probably due to overburden.

(1) Johnson, F.J., 1972: Geology of the Vermilion-Abram Lakes Area, District of Kenora, Geological Report 101, O.D.M.


A.P. Pryslak,
D.A. Hutton,

March, 1979.

# REPORT OF THE MAGNETIC AND ELECTROMAGNETIC SURVEYS BLOCK 30-3 GULLWING AREA LOMOND TOWNSHIP DISTRICT OF KENORA, ONTARIO

D.A. Hutton,
A.P. Pryslak,

March, 1979.

INTRODUCTION

A program of magnetic and electromagnetic surveying was carried out in September, 1978 over a grid of cut lines located in Lomond Township, District of Kenora, Ontario, Patricia Mining Division (Claim map M2251).

Claims included in the surveys are as follows:-

Pa 498114 to 498116, inclusive
Pa 498118, 498119

These claims are located in the southwest corner of Lomond Township. Access is via a logging road which passes immediately south of the grid and joins with the Fire Protection Road 0.65 miles west of the grid.

The geophysical surveys were controlled by grid lines spaced at intervals of 400 feet. Readings were taken at 100-foot stations along the grid lines. The readings were reduced to 50-foot stations in areas of anomalous activity.

The magnetometer used on this survey was a McPhar M-700 fluxgate instrument which measures the vertical component of the earth's magnetic field to an accuracy of 10 gammas. The

2/....

electromagnetic instrument used on the survey was an Apex Max-Min II H.L.E.M. unit with a frequency of 1777 Hertz.

## GENERAL GEOLOGY

Geological mapping was conducted on both a regional reconnaissance scale and in detail along grid lines.

Bedrock in the area is of early Precambrian age and consists of metavolcanic-metasedimentary rocks of the Wabigoon Greenstone Belt.

Stratigraphy trends approximately east-west and dips steeply north at 70 to 80°. The north portion of the grid is underlain by a sequence of felsic to intermediate pyroclastics while lithologies in the south part of the grid consist of metaconglomerate and metagreywacke. The stratigraphic top of the metasediments is to the south.

## MAGNETOMETER SURVEY RESULTS

Most of the grid shows a rather uniform low response. Anomalous areas, in the order of 400 to 500 gammas above background, occur (1) at co-ordinate 0+00, and 2+00N and (2) 20+00E, 7+00N to 24+00E, 5+50N. These magnetic features are not

3/....

correlative with conductors and are interpreted as being minor concentrations of magnetite.

## ELECTROMAGNETIC SURVEY RESULTS

An excellent conductor extends from grid co-ordinate 0+00, 5+50N to co-ordinate 20+00E, 3+00S. This conductor lies approximately along the contact between the felsic pyroclastics outcropping in the north part of the grid and the metasediments occurring in the south part of the grid. This conductor has no apparent magnetic correlation. Non-magnetic sulfides or graphite are suggested as a source.

A weak conductor, of possible bedrock origin, occurs just south of the baseline on lines 20E and 24E. The quadrature response is more significant than the in-phase response. However, the in-phase response is sufficient to indicate a weakly conductive bedrock source.

## RECOMMENDATIONS

The main conductor represents an excellent drill target. The weaker conductor should be considered as a possible drill target if the main conductor proves to contain significant values in base or precious metals.

REGISTERED PROFESSIONAL ENGINEER
D. A. HUTTON
PROVINCE OF ONTARIO

D.A. Hutton,
A.P. Pryslak.

# REPORT OF THE MAGNETIC AND ELECTROMAGNETIC SURVEYS GULLWING AREA BLOCK 30-4 LOMOND TOWNSHIP - M2251 DISTRICT OF KENORA, ONTARIO

D.A. Hutton,
A.P. Pryslak,

March, 1979

## INTRODUCTION

A program of magnetic and electromagnetic surveying was carried out in August, 1978 over a grid of lines located in Lomond Township, District of Kenora, Ontario, Patricia Mining Division (Claim map M2251).

The claims included in the survey are as follows:

Pa 498121 to 498126, inclusive

These claims are located in the southwest part of Lomond Township. Access is via secondary logging roads which connect the area of the grid with the all-weather Fire Protection Access Road, 0.25 miles west of claim block 30-4.

The geophysical survey was controlled by grid lines cut at intervals of 400 feet. Readings were taken at 100-foot stations along the grid lines. These were reduced to 50-foot stations in areas of anomalous activity.

The mangnetometer used on this survey was a McPhar M-700 fluxgate instrument which measures the vertical component of the earth's magnetic field to an accuracy of 10 gammas.

2/....

The electromagnetic instrument used on the survey was an Apex Max-Min II horizontal loop E.M. unit with a frequency of 1777 Hertz. Coil separation was 400 feet. In-phase and quadrature components of the secondary field were read to an accuracy of 1% of the primary field.

GENERAL GEOLOGY

Geological mapping was conducted on both, a regional reconnaissance scale and in detail along grid lines.

Bedrock in the area is of early Precambrian age and consists of the metavolcanic-metasedimentary rocks of the Wabigoon Greenstone Belt.

Stratigraphy in the vicinity of the grid trends approximately east-west and dips 70-80° north. The main lithologic unit consists of felsic pyroclastics.

MAGNETOMETER SURVEY

The grid consists of a rather low, uniform magnetic feature with the exception of two anomalous areas with a magnitude of 500 to 1500 gammas above background. One anomaly lies just to the north of the baseline at lines 24, 28 and 32W. The east portion of this feature is coincident with a conductor. The source of this magnetic anomaly is not exposed

3/....

but is likely due to pyrrhotite.

The second magnetic anomaly occurs at 2+50S on lines 4 and 8W. This feature would appear to be on the same stratigraphic position as the one described above. However, it falls outside of the claim block described in this report and will not be discussed further.

ELECTROMAGNETIC SURVEY

A single conductor was identified from the survey. This conductor lies essentially north of the baseline between lines 12W and 28W. The strongest part of the conductor is on lines 20, 24 and 28W. The conductor at this location has a strong coincident magnetic feature and has an apparent width of 250 feet on line 24W.

The conductor changes in character to the east where it becomes very broad with in-phase/quadrature being approximately 0.5. Also, this portion of the conductor has no correlative magnetic feature.

The conductor lies within felsic pyroclastics. Minor amounts of pyrite and pyrrhotite were observed in the pyroclastic

4/....

rocks to the south of the conductor and sericitic alteration was noted in the rocks east of the broad conductive feature on lines 12 and 16W.

The source of the strong conductor is interpreted as being massive pyrrhotite. The broad, weak conductive feature on lines 12 and 16W is interpreted as being either, a pyritic stockwork or a zone of interbedded pyritic or graphitic tuffs.

RECOMMENDATIONS

The conductor on line 24W represents a first priority diamond drill target.


D.A. Hutton,
A.P. Pryslak.

:fa

File 30-15

900

# GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey Geophysical

Township or Area M2251

Claim holder(s) Selco Mining Corporation Limited

55 University Ave., Suite 1700, Toronto

Author of Report T. Pryslak

Address P.O. Box 100, Cochenour, Ontario P0V 1L0

Covering Dates of Survey January, 1979
(linecutting to office)

Total m|s. of Line cut 3.4 m|s.

| SPECIAL PROVISIONS CREDITS REQUESTED | | DAYS per claim |
|---|---|---|
| ENTER 40 days (includes line cutting) for first survey. | Geophysical | |
| | –Electromagnetic | 20 |
| | –Magnetometer | 40 |
| ENTER 20 days for each additional survey using same grid. | –Radiometric | |
| | –Other | |
| | Geological | |
| | Geochemical | |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: March 16 79 SIGNATURE: J E Pryslak
Author of ~~Report~~ or Agent

PROJECTS SECTION L.D.

Res. Geol. _____ Qualifications 63.2456

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

OFFICE USE ONLY

## MINING CLAIMS TRAVERSED
List numerically

| (prefix) | (number) | |
|---|---|---|
| Pa | 436378 | 1/2 |
| Pa | 436379 | 1/2 |
| Pa | 436380 | 1/2 |
| Pa | 436381 | 1/2 |
| Pa | 436382 | 1/2 |
| Pa | 436383 | 1/2 |

allow EM - 13 days
mag - 26 days

TOTAL CLAIMS 6

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

# GEOPHYSICAL TECHNICAL DATA

## GROUND SURVEYS

Number of Stations EM = 181 Mag = 166 Number of Readings EM = 181 Mag = 166

Station interval 100' (Some 50')

Line spacing 400'

Profile scale or Contour intervals 1": 20% Every 50 gammas

(specify for each type of survey)

## MAGNETIC

Instrument McPhar M-700

Accuracy - Scale constant ±5 gammas

Diurnal correction method Base stations

Base station location Taken at the intersection of B.L. and Cross Lines

## ELECTROMAGNETIC

Instrument Apex Max-Min II

Coil configuration Horizontal

Coil separation 400'

Accuracy 0.5%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777 Hertz

(specify V.L.F. station)

Parameters measured In-phase and quadrature components of secondary field as a percentage of primary field.

## GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

## INDUCED POLARIZATION – RESISTIVITY

Instrument

Time domain Frequency domain

Frequency Range

Power

Electrode array

Electrode spacing

Type of electrode

T.O. 2.2961

File 30-1

# GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey Geophysical

Township or Area M2251

Claim holder(s) Selco Mining Corporation Limited

55 University Ave., Suite 1700, Toronto

Author of Report T. Pryslak

Address P.O. Box 100, Cochenour, Ontario P0V 1L0

Covering Dates of Survey January, 1979 (linecutting to office)

Total mls. of Line cut 1.6 mls.

| SPECIAL PROVISIONS CREDITS REQUESTED | | DAYS per claim |
|---|---|---|
| ENTER 40 days (includes line cutting) for first survey. | Geophysical | |
| | -Electromagnetic | 20 |
| | -Magnetometer | 40 |
| ENTER 20 days for each additional survey using same grid. | -Radiometric | |
| | -Other | |
| | Geological | |
| | Geochemical | |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____ (enter days per claim)

DATE: March 16 79 SIGNATURE: J. C. Parker Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications _____

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

OFFICE USE ONLY

**MINING CLAIMS TRAVERSED**
List numerically

| (prefix) | (number) |
|---|---|
| Pa | 498102 |
| Pa | 498103 |

Allow
16 En
32 mg
for

TOTAL CLAIMS 2

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

# GEOPHYSICAL TECHNICAL DATA

## GROUND SURVEYS

Number of Stations EM = 66 Mag = 66 Number of Readings EM = 66 Mag = 66

Station interval 100' (Some 50')

Line spacing 400'

Profile scale or Contour intervals 1": 20% Every 100 gammas

(specify for each type of survey)

## MAGNETIC

Instrument McPhar M-700

Accuracy - Scale constant ±5 gammas

Diurnal correction method Base stations

Base station location Taken at the intersection of B.L. and Cross Lines

## ELECTROMAGNETIC

Instrument Apex Max-Min II

Coil configuration Horizontal

Coil separation 400'

Accuracy 0.5%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777 Hertz

(specify V.L.F. station)

Parameters measured In-phase and quadrature components of secondary field as a percentage of primary field.

## GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

## INDUCED POLARIZATION – RESISTIVITY

Instrument

Time domain Frequency domain

Frequency Range

Power

Electrode array

Electrode spacing

Type of electrode

T. O. 2.2961

File 30-3

# GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey: Geophysical

Township or Area: M2251

Claim holder(s): Selco Mining Corporation Limited
55 University Ave., Toronto, Ontario

Author of Report: T. Pryslak

Address: P.O. Box 100, Cochenour, Ontario P0V 1L0

Covering Dates of Survey: July-September 1978
(linecutting to office)

Total ~~mls~~ of Line cut: 2.6 mls

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

| | DAYS per claim |
|---|---|
| Geophysical | |
| –Electromagnetic | 20 / 40 |
| –Magnetometer | |
| –Radiometric | |
| –Other | |
| Geological | |
| Geochemical | |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: March 16 '79 SIGNATURE: J.E. Pryslak
Author of Report or Agent

PROJECTS SECTION L.D.

Res. Geol. _____ Qualifications 63·2456

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

GEOLOGICAL BRANCH

Approved by _____ date _____

MINING CLAIMS TRAVERSED
List numerically

| (prefix) | (number) |
|---|---|
| Pa | 498114 1/2 |
| Pa | 498115 |

Allow
16 Em
32 mg

TOTAL CLAIMS 2

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

# GEOPHYSICAL TECHNICAL DATA

## GROUND SURVEYS

Number of Stations EM = 99 Mag = 105 Number of Readings EM = 99 Mag = 105

Station interval 100' (some 50')

Line spacing 400'

Profile scale or Contour intervals 1": 20% Every 100 gammas

(specify for each type of survey)

## MAGNETIC

Instrument McPhar M-700

Accuracy - Scale constant 5 gammas

Diurnal correction method Base Stations

Base station location Taken at the intersection of B.L. and Cross Lines

## ELECTROMAGNETIC

Instrument Apex Max-Min II

Coil configuration Horizontal

Coil separation 400'

Accuracy 0.5%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777 Hz.

(specify V.L.F. station)

Parameters measured In-phase and quadrature components of secondary field as a percentage of primary field.

## GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

## INDUCED POLARIZATION – RESISTIVITY

Instrument

Time domain Frequency domain

Frequency Range

Power

Electrode array

Electrode spacing

Type of electrode

T.O. 2.2961

File 30-4

# GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey: Geophysical

Township or Area: M2251

Claim holder(s): Selco Mining Corporation Limited
55 University Ave., Toronto, Ontario

Author of Report: T. Pryslak

Address: P.O. Box 100, Cochenour, Ontario P0V 1L0

Covering Dates of Survey: July-September 1978
(linecutting to office)

Total mls. of Line cut: 3.2 mls

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

| | DAYS per claim |
|---|---|
| Geophysical | |
| –Electromagnetic | 20 |
| –Magnetometer | 40 |
| –Radiometric | |
| –Other | |
| Geological | |
| Geochemical | |

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: March 16. 79 SIGNATURE: J. Pryslak
Author of Report or Agent

PROJECTS SECTION

Res. Geol. _____ Qualifications 63.2456

Previous Surveys _____

Checked by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

GEOLOGICAL BRANCH _____

Approved by _____ date _____

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

| (prefix) | (number) | |
|---|---|---|
| Pa | 498125 | 1/3 |
| Pa | 498126 | 1/4 |

allow
13 EM
40 mag
for

TOTAL CLAIMS 2

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

# GEOPHYSICAL TECHNICAL DATA

## GROUND SURVEYS

Number of Stations EM = 67 Mag = 69 Number of Readings EM = 67 Mag = 69

Station interval 100' (some 50')

Line spacing 400'

Profile scale or Contour intervals 1": 20% Every 100 gammas to 1500
(specify for each type of survey) Every 500 gammas thereafter

## MAGNETIC

Instrument McPhar M-700

Accuracy - Scale constant ±5 gammas

Diurnal correction method Base Stations

Base station location Taken at the intersection of B.L. and Cross Lines

## ELECTROMAGNETIC

Instrument Apex Max-Min II

Coil configuration Horizontal

Coil separation 400'

Accuracy 0.5%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777 Hz.
(specify V.L.F. station)

Parameters measured In-phase and quadrature components of secondary field as a percentage of primary field.

## GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

## INDUCED POLARIZATION – RESISTIVITY

Instrument

Time domain Frequency domain

Frequency Range

Power

Electrode array

Electrode spacing

Type of electrode

SELCO
MINING CORPORATION
LIMITED

SUITE 1700
55 UNIVERSITY AVENUE
TORONTO, ONTARIO
M5J 2H7

TELEPHONE: (416) 361 0794
TELEX: 06 22537

CABLE: SELCOEX TORONTO

May 10, 1979

Mr. F.W. Mathews,
Supervisor - Projects Unit,
Mining Lands Section,
Ministry of Natural Resources,
Room 6404,
Whitney Block,
Queen's Park,
TORONTO, Ontario

Dear Sir,

Re: GULLWING AREA - BLOCKS 1A, 3, 4, 5, 6, 7A,B,C,
8, 9B, 12A,B, 14 & 15
M-1847, 1852, 1874, 2236, 2251

Further to our Report of Work, March 16, 1979, please find enclosed the following data.

Contents:
(in duplicate)

Geophysical Reports
Technical Data Sheets
Location Sketch
Drawings No. GW 2529, 2529B
GW 2531-2537 incl.
GW 2531B-2537B incl.
GW 2539, 2539B
GW 2543, 2543B
GW 2546, 2546B
GW 2638-2639 incl.
GW 2638B-2639B incl.

Yours very truly,
SELCO MINING CORPORATION LIMITED

J.E. RACKLEY,
Claims Control Co-ordinator.

JER/fa
Encl.

Ministry of Natural Resources
Ontario

Your file:

Our file: 2.2961

1979 11 06

Mr. Albert Hanson
Mining Recorder
Ministry of Natural Resources
P.O. Box 669, Court House
Sioux Lookout, Ontario
P0V 2T0

Dear Sir:

Re: Mining Claims Pa. 436378 et al. Lomond Township, File 2.2961

The Geophysical (Electromagnetic & Magnetometer) assessment work credits as listed with my Notice of Intent dated October 9, 1979 have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson
Director
Lands Administration Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

MINISTRY OF NATURAL RESOURCES
RECEIVED
NOV 7 1979
RESIDENT GEOLOGIST'S OFFICE
SIOUX LOOKOUT

DN:ie

cc: Selco Mining Corporation Ltd.
Toronto, Ontario
Attn: Miss J.E. Rackley

Resident Geologist
Sioux Lookout, Ontario

McILRAITH Twp. M-1852

VERMILION Twp. M-2272

Goodie Lake

Goodie Cr.

Tob Lake

N.N.R. GRAVEL RES. PIT NO. 203 FILE: 186690

L.O. 7728

H.E.P.C. TRANSMISSION LINE

Fire

Centreline

Cr.

Cloudlet L.

Hooch Cr.

VERMILION LAKE

LOMOND TWP
M-2251
2.2961
1" = 40 CHAINS.

Blackfox

Blackfox Lake

66M. 65M. 64M. 63M. 62M. 61M. 90M.

+89M. +88M. +87M. +86M. 85M.

5M. 4M. 3M. 2M. 1M.

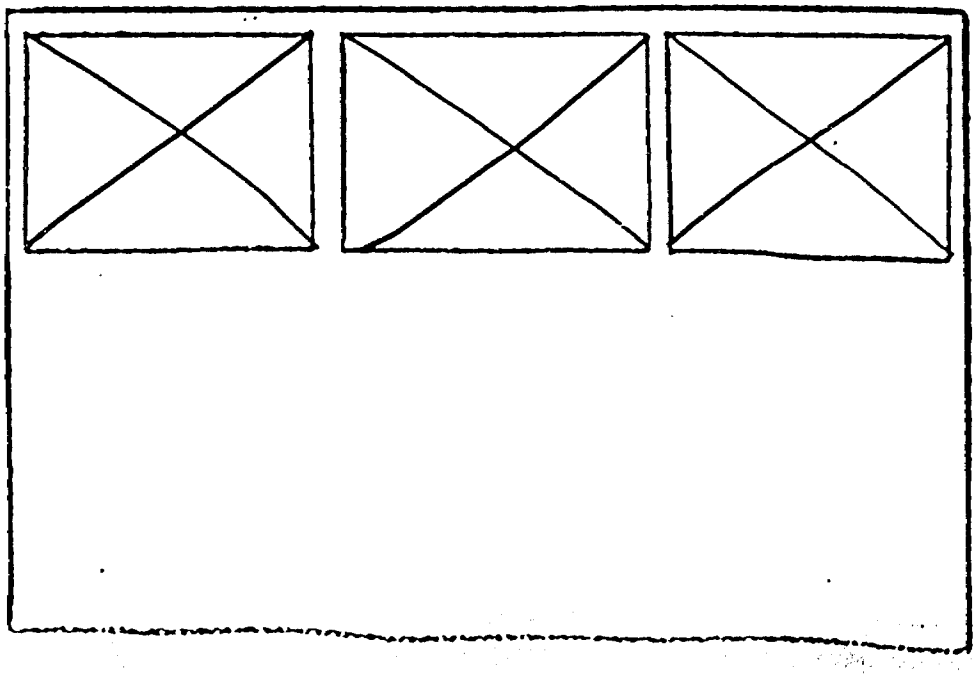
49°58'25" APPROX.
92°16'35"

ECHO Twp. M-2236

SEE ACCOMPANYING MAP(S) IDENTIFIED AS

52K/01SW-0026, #1, 2, 3

LOCATED IN THE MAP CHANNEL IN THE FOLLOWING SEQUENCE (X)

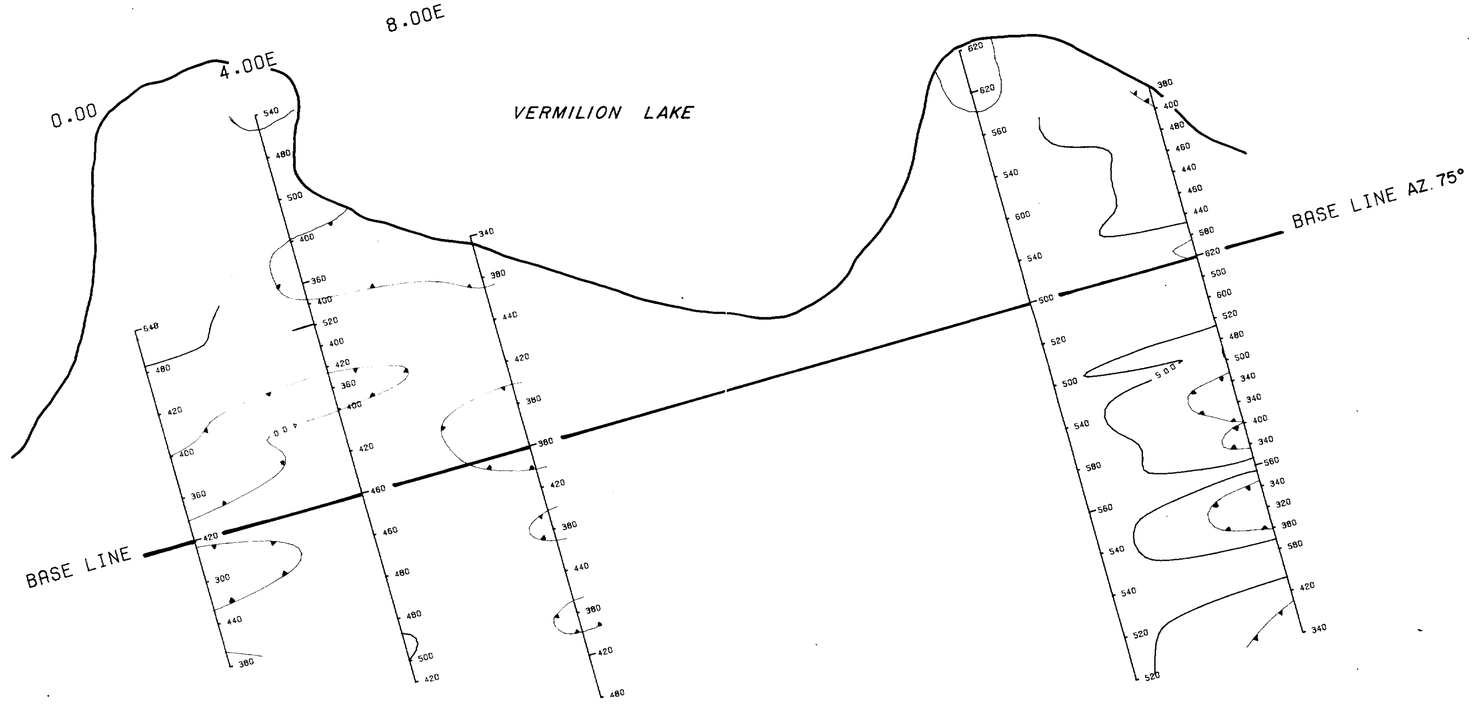


FOR ADDITIONAL

INFORMATION

SEE MAPS:

52K/01SW-0026 #4-8






NOTE: REFER TO GW.2529B — H.L.E.M., CLAIMS, LOC. PLAN

N

REGISTERED PROFESSIONAL ENGINEER
D. A. HUTTON

D. A. Hutton

**MAGNETOMETER INSTRUMENT**

TYPE: McPHAR M-700
Readings in Gammas: [ 420 / 380
Base:
Profile:
Contour Interval: Every 100 Gammas

0 200 400
FEET

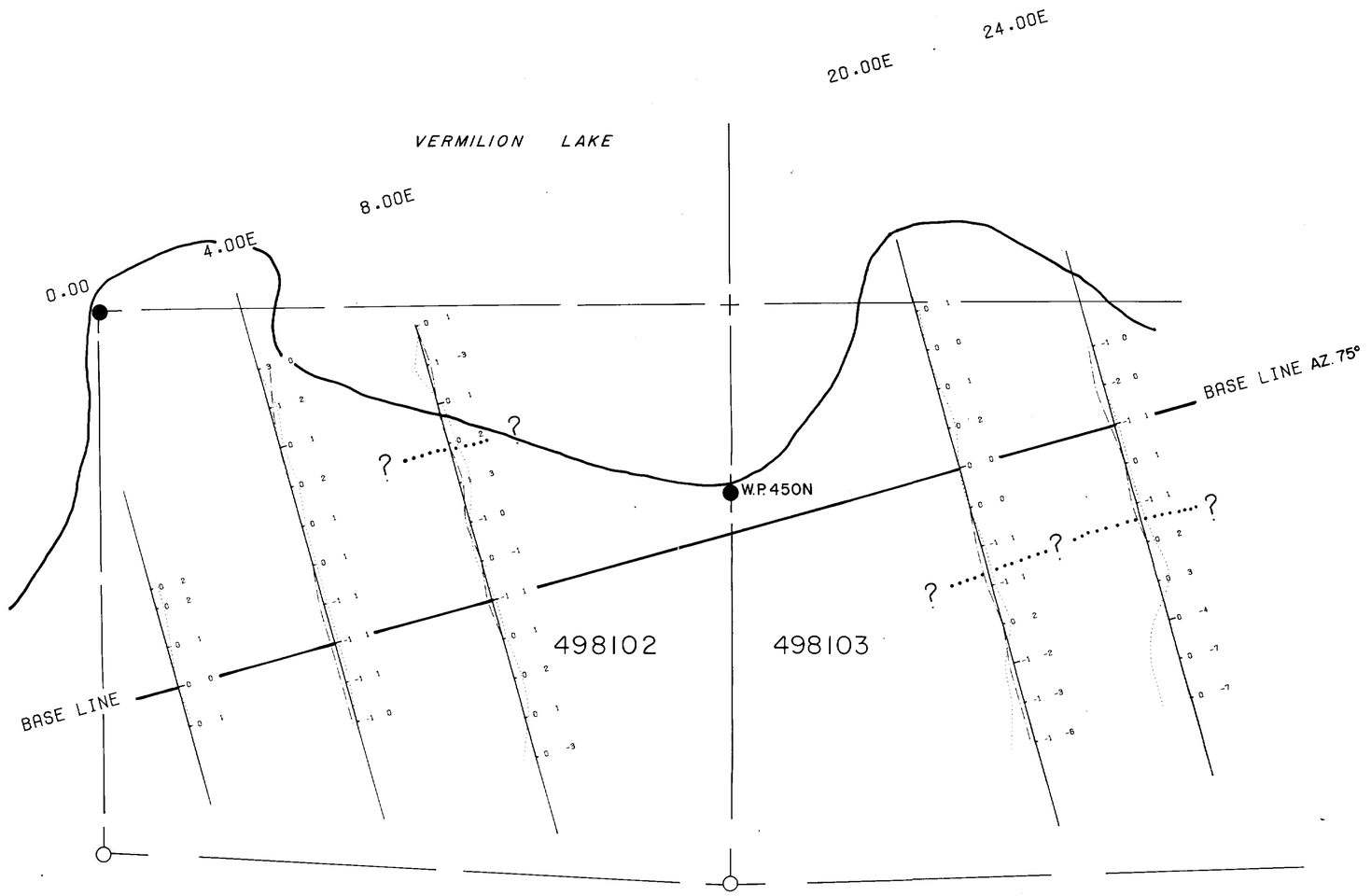
52K/01SW-0026, #1

SELCO MINING CORPORATION
(EXPLORATION DIVISION) LIMITED

# GULLWING AREA

## BLOCK 30-I, GRID 'A' — MAG. SURVEY

| | | | |
|---|---|---|---|
| DRAWN BY C.P. | DATE Jan. '79 | PLAN Nº GW. 2529 |
| TRACED BY Data Plot | DATE Jan. '79 | |



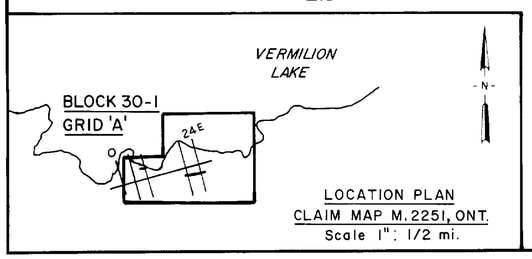

NOTE: REFER TO GW. 2529— MAG.

-N-

D. A. HUTTON

52K01SW0337 52K01SW0026 LOMOND

210




LOCATION PLAN
CLAIM MAP M.2251, ONT.
Scale 1": 1/2 mi.

**ELECTROMAGNETIC INSTRUMENT**

**TYPE:** APEX MAX-MIN II

**HORIZONTAL LOOP (Percent of Primary Field)**

**Frequency:** 1777 Hz

**Cable Length:** 400'

**In Phase:** ●—●→ [-1 0 / 0 -1] ←●---● **Out of Phase Quadrature**

**Conductor Width:**

**Profile Scale:** 1": 20%

0 200 400
FEET

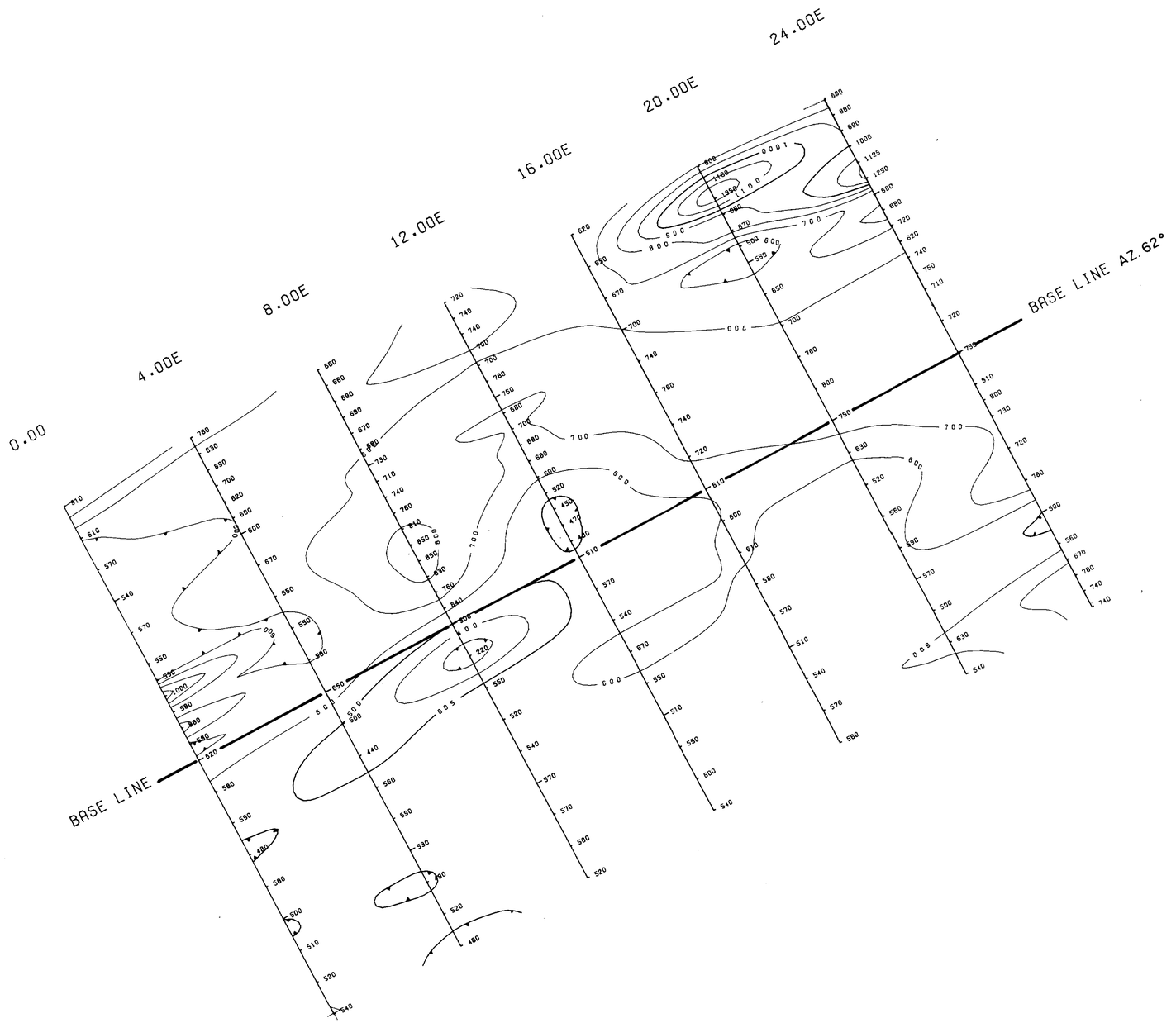
52K/01SW-0026, #2

**SELCO MINING CORPORATION**
(EXPLORATION DIVISION) LIMITED

# GULLWING AREA

## BLOCK 30-I, GRID 'A'— H.L.E.M. SURVEY

| | | | |
|---|---|---|---|
| DRAWN BY C.P. | DATE Jan. '79 | PLAN Nº GW. 2529B |
| TRACED BY Data Plot | DATE Jan. '79 | |




NOTE: REFER TO GW. 2531B — H.L.E.M., LOC. PLAN, CLAIMS,
GW. 2558 — GEOLOGY

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REGISTERED PROFESSIONAL ENGINEER
D. A. HUTTON

D. A. Hutton

***MAGNETOMETER INSTRUMENT***

***TYPE:*** Mc PHAR M-700

***Readings in Gammas:*** [520 / 480]

***Base:***

***Profile:***

***Contour Interval:*** Every 100 Gammas

0 200 400
FEET

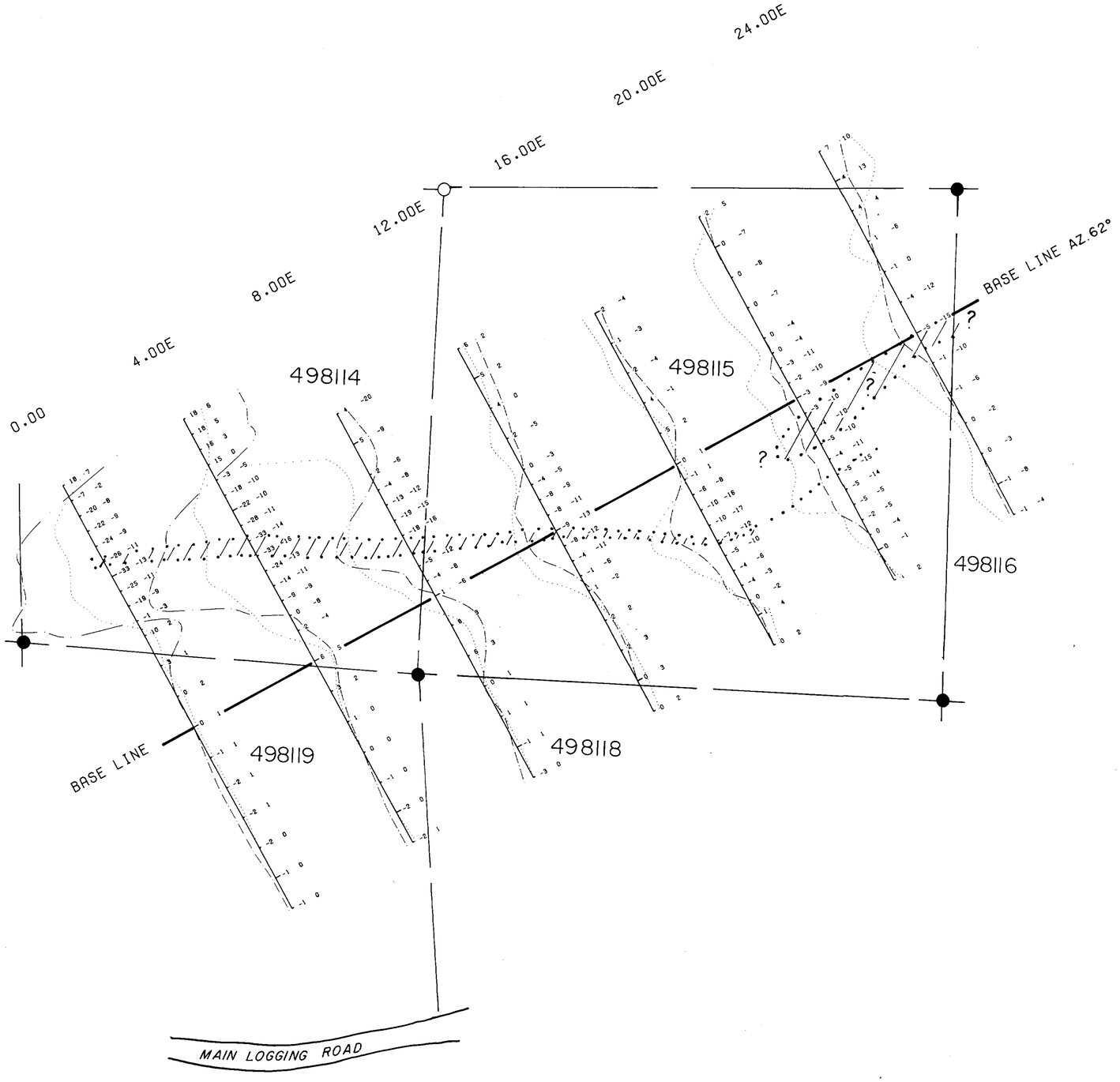
52K/01SW-0026, #3

# SELCO MINING CORPORATION
(EXPLORATION DIVISION) LIMITED

## GULLWING AREA
## BLOCK 30-3 — MAG. SURVEY

| | | | |
|---|---|---|---|
| DRAWN BY C.P. | DATE AUG. '78 | PLAN Nº GW. 2531 |
| TRACED BY DATA PLOT | DATE OCT. '78 | |

52K01SW0337 52K01SW0026 LOMOND




NOTE: REFER TO GW.2531 — MAG.
GW.2558 — GEOLOGY

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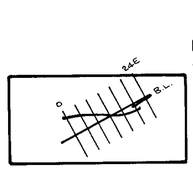
D. A. HUTTON
REGISTERED ENGINEER
PROVINCE OF ONTARIO

D. A. Hutton

52K01SW0337 52K01SW0026 LOMOND

230

BLOCK
30 - 3




LOCATION PLAN
CLAIM MAP M.2251 — ONT.
Scale 1": 1/2 mi.

*ELECTROMAGNETIC INSTRUMENT*
*TYPE*: APEX MAX-MIN II

*HORIZONTAL LOOP (Percent of Primary Field)*
*Frequency*: 1777 Hz
*Cable Length*: 400'
*In Phase*: ●—— ● ——[-5 -10 / -4 -6] ←——●---● *Out of Phase Quadrature*
*Conductor Width*:
*Profile Scale*: 1": 20%

0 200 400
FEET

52K/01SW-0026, #4

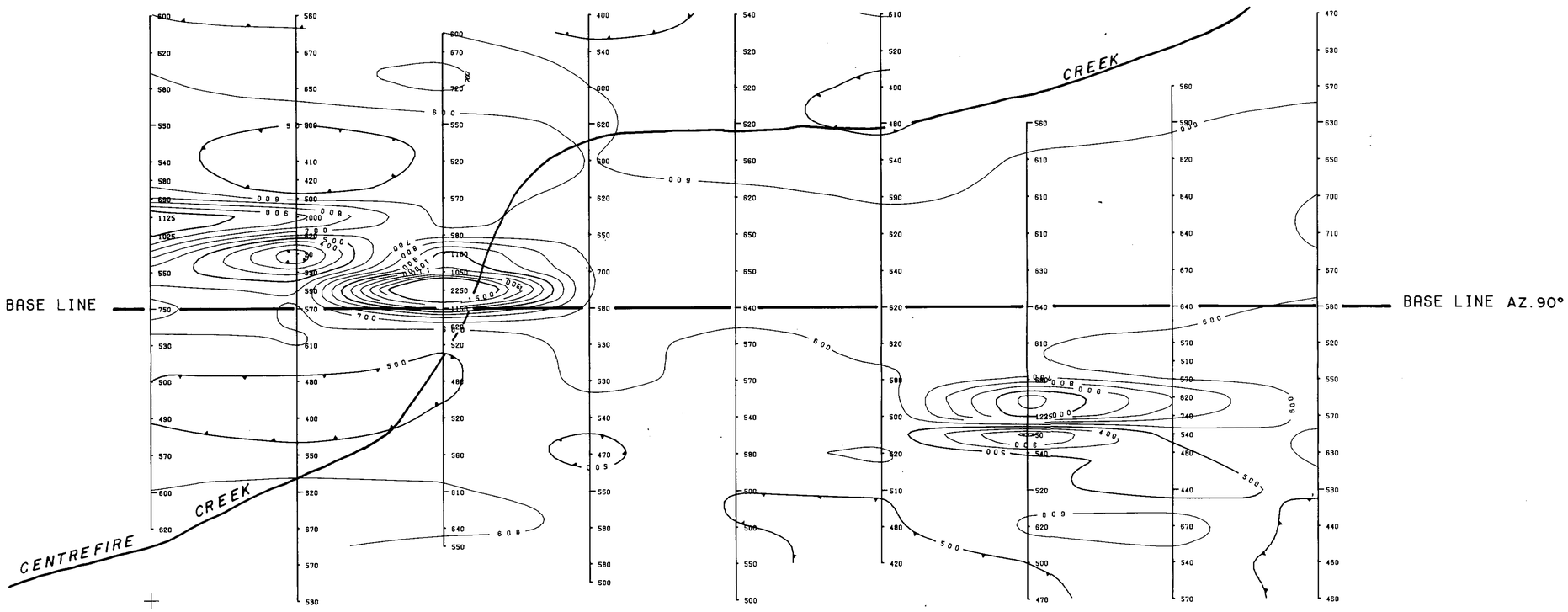
SELCO MINING CORPORATION
(EXPLORATION DIVISION) LIMITED

GULLWING AREA
BLOCK 30-3 H.L.E.M. SURVEY

| | | |
|---|---|---|
| DRAWN BY C.P | DATE SEPT. '78 | PLAN Nº GW. 2531B |
| TRACED BY DATA PLOT | DATE OCT. '78 | |

MAIN LOGGING ROAD

32.00W 28.00W 24.00W 20.00W 16.00W 12.00W 8.00W 4.00W 0.00




NOTE: REFER TO GW. 2532B — H.L.E.M., LOC. PLAN, CLAIMS,
GW. 2559 — GEOLOGY

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REGISTERED PROFESSIONAL ENGINEER
D. A. HUTTON
PROVINCE OF ONTARIO

D. A. Hutton

**MAGNETOMETER INSTRUMENT**

*TYPE:* Mc PHAR M-700
*Readings in Gammas:* [580 / 500]
*Base:*
*Profile:*
*Contour Interval:* Every 100 Gammas to 1500 Gammas
Every 500 Gammas thereafter

0 200 400
FEET

52K/015W-0026, #5

# SELCO MINING CORPORATION
(EXPLORATION DIVISION) LIMITED

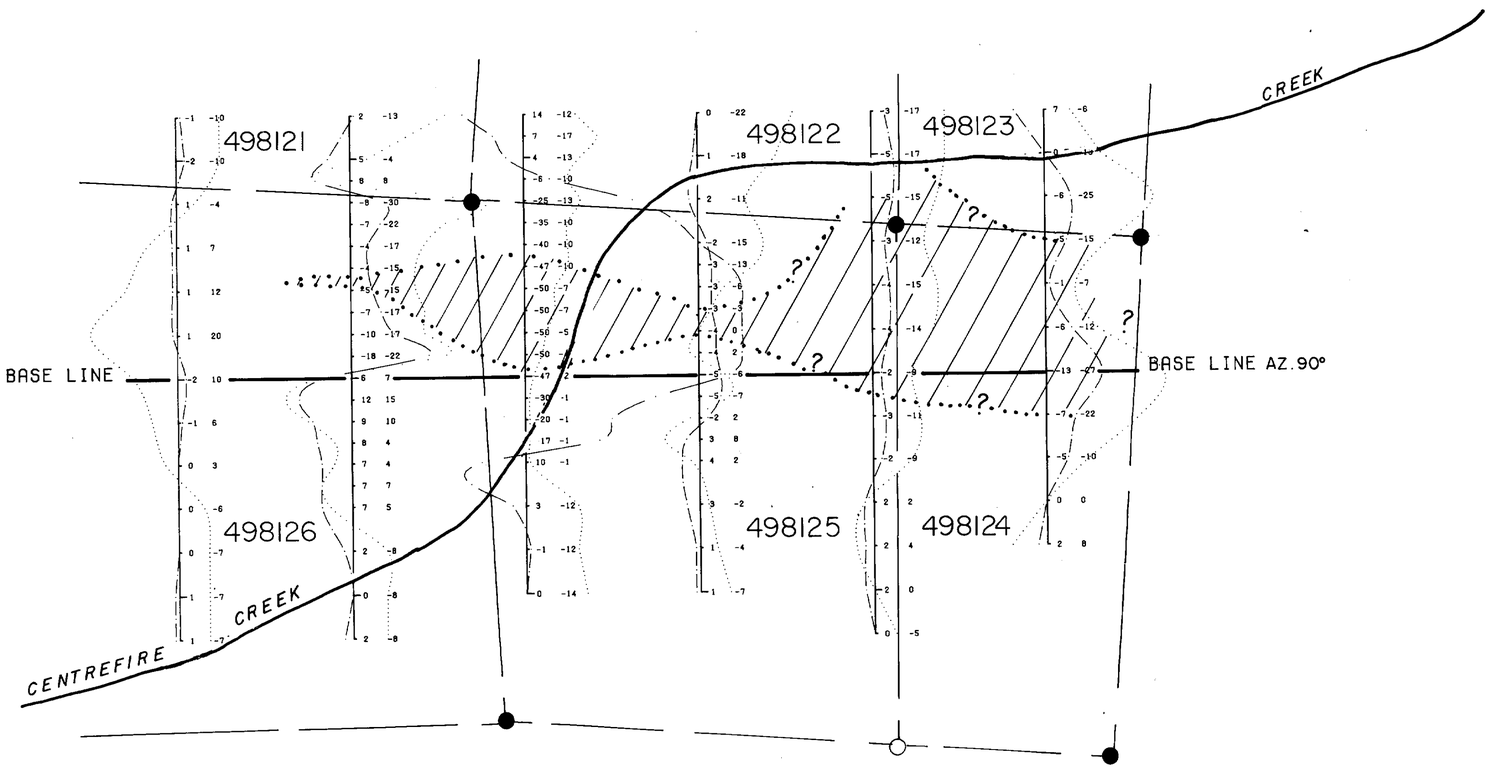
## GULLWING AREA
## BLOCK 30-4 — MAG. SURVEY

| | | |
|---|---|---|
| DRAWN BY C. P. | DATE AUG. '78 | PLAN Nº GW. 2532 |
| TRACED BY DATA PLOT | DATE OCT. '78 | |

52K01SW0337 52K01SW0026 LOMOND

MAIN LOGGING ROAD

32.00W 28.00W 24.00W 20.00W 16.00W 12.00W




NOTE: REFER TO GW. 2532 — MAG.,
GW. 2559 — GEOLOGY

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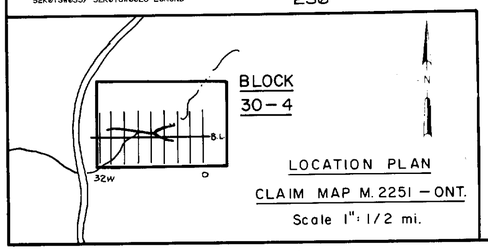
D. A. HUTTON

52K01SW0337 52K01SW0026 LOMOND

250




LOCATION PLAN
CLAIM MAP M. 2251 — ONT.
Scale 1": 1/2 mi.

**ELECTROMAGNETIC INSTRUMENT**

**TYPE:** APEX MAX-MIN. II

**HORIZONTAL LOOP** (Percent of Primary Field)

*Frequency:* 1777 Hz

*Cable Length:* 400'

*In Phase:* ●—●→ [-7 -22 / -5 -10] ←●---● *Out of Phase Quadrature*

*Conductor Width:*

*Profile Scale:* 1" = 20%

0 200 400
FEET

52K/01SW-0026 #6

# SELCO MINING CORPORATION
(EXPLORATION DIVISION) LIMITED

## GULLWING AREA
## BLOCK 30-4 — H.L.E.M. SURVEY

| | | |
|---|---|---|
| DRAWN BY C. P. | DATE AUG. '78 | PLAN Nº GW. 2532B |
| TRACED BY DATA PLOT | DATE OCT. '78 | |

SQUARE POST ON SHORE LINE OF ISLAND 14.35 NORTH OF THE BASE LINE 40.00 EAST

0.00 4.00E 8.00E 12.00E 16.00E 20.00E 24.00E 28.00E 32.00E 36.00E 40.00E

VERMILION LAKE

436380 436379 436378

BASE LINE

30-15-1

BASE LINE AZ.90°

436381 436382 436383

VERMILION LAKE



NOTE: REFER TO GW.2546 — MAG.

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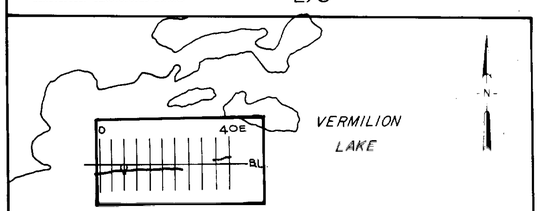
D.A. Hutton



270




BLOCK 30-15

LOCATION PLAN
CLAIM MAP M.2251, ONT.
Scale 1": 1/2 mi

**ELECTROMAGNETIC INSTRUMENT**

**TYPE:** APEX MAX-MIN II

**HORIZONTAL LOOP (Percent of Primary Field)**

**Frequency:** 1777 Hz

**Cable Length:** 400'

**In Phase:** ●—— ●——→ [2 10 / -1 8] ←—— ●----● **Out of Phase Quadrature**

**Conductor Width:**

**Profile Scale:** 1": 20%

0 200 400
FEET

52K/01SW-0026, #8

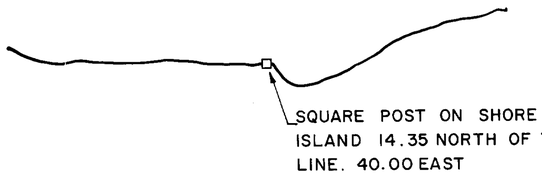
| | | | |
|---|---|---|---|
| May '79 | Added D.D.H. 30-15-1 | | |

**SELCO MINING CORPORATION**
(EXPLORATION DIVISION) LIMITED

# GULLWING AREA

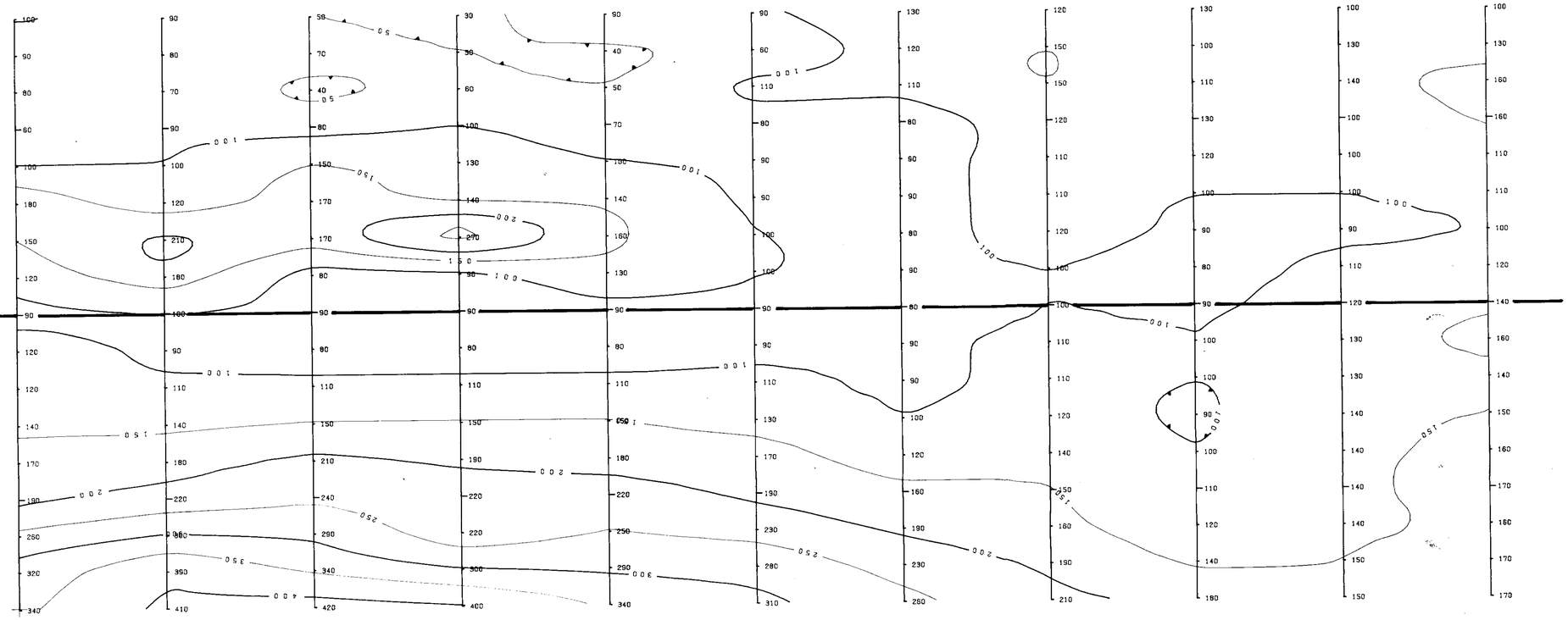
## BLOCK 30-15 — H.L.E.M. SURVEY

| | | | | |
|---|---|---|---|---|
| DRAWN BY | C.P. | DATE | Jan. '79 | PLAN Nº GW. 2546B |
| TRACED BY | Data Plot | DATE | Jan. '79 | |




0.00 4.00E 8.00E 12.00E 16.00E 20.00E 24.00E 28.00E 32.00E 36.00E 40.00E

VERMILION LAKE




VERMILION LAKE

NOTE: REFER TO GW.2546B—H.L.E.M., CLAIMS, LOC. PLAN

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GEOLOGICAL ASSOCIATION OF CANADA · D. A. Hutton · FELLOW ·

D. A. Hutton

**MAGNETOMETER INSTRUMENT**

**TYPE:** McPHAR M-700

**Readings in Gammas:** [80 / 110

**Base:**

**Contour Interval:** Every 50 Gammas

**Profile:**

0 200 400

FEET

**SELCO MINING CORPORATION**

(EXPLORATION DIVISION) LIMITED

# GULLWING AREA

## BLOCK 30-15— MAG. SURVEY

| | | | |
|---|---|---|---|
| DRAWN BY C.P | DATE Jan. '79 | PLAN Nº GW.2546 |
| TRACED BY Data Plot | DATE Jan. '79 | |

52K/015SW-0026, #7

52K015W0337 52K015W0026 LOMOND

260