



52F11NE0240 2.2939 BUCHAN BAY (EAGLE LA

010

MERIDIAN BAY PROJECT

Meridian Bay Group

Mag. and EM. Surveys

Buchan Bay Area
M-1288

N.T.S.
52-F-11

SHERRITT GORDON MINES LIMITED

INTRODUCTION

The Meridian Bay Group consists of seven claims (474978 to 474984 inclusive) and was staked by A. Sukava in May, 1977. The ground is presently under option to Sherritt. The group is located in Meridian Bay (Eagle Lake) and is accessible via Bear Narrows Road (Reed Paper Company) to Passover Creek and on into the bay.

The area was previously worked by Selco in 1972. Several questionable ground EM anomalies were identified at this time. The area was later flown in 1977 with Sherritt's airborne geophysical system. Background signals were found to be noisy, but no airborne anomalies were identified within the claim group. Ground geophysical surveys were performed in order to verify the presence of Selco's anomalies.

SURVEYS

A survey grid with baseline oriented 030° true and 400 ft line spacings was established on the claim group during February, 1979. Magnetic and electromagnetic surveys were also performed during the month of February

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-2-

The EM survey has identified several anomalies (mainly quadrature anomalies) which are probably caused by conductive, lake-bottom overburden. Anomalies that can be directly attributed to bedrock conductors are apparently non-existent, although this may be the result of insufficient depth penetration. A few short magnetic anomalies are present, but these are not considered significant because of the absence of EM conductors.

CONCLUSIONS

Further exploration activity for these seven claims appears to be unnecessary and the option agreement with Mr. Sukava should be dropped.

Vincent Scime



SHERRITT GORDON MINES LTD

MARCH 1, 1979



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL
TECHNICAL DATA



52F11NE0240 2.2939 BUCHAN BAY (EAGLE LA)

900

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(s) MAGNETIC; ELECTROMAGNETIC

Township or Area BUCHAN BAY M-1288

Claim Holder(s) A. SUKAVA H-8836

Survey Company SHERRITT GORDON MINES LTD

Author of Report V. SCIME

Address of Author 12 Clearwater Cr., Dryden, Ont.

Covering Dates of Survey Feb. 6 to Mar. 1, 1979
(linecutting to office)

Total Miles of Line Cut 6.86

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

K 474978

474979

474980

474981

474982

474983

474984

If space insufficient, attach list

SPECIAL PROVISIONS
CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

Geophysical

-Electromagnetic

-Magnetometer

-Radiometric

-Other

Geological

Geochemical

DAYS per claim

20
40

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

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

DATE: MARCH 1, 1979 SIGNATURE: V. Scime
Author of Report or Agent

Res. Geol. L.D Qualifications 2. 2506

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 7

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations MAG. 362 HEM 298 Number of Readings MAG. 362 HEM 298
Station interval 100 ft. both MAG & HEM Line spacing 400 ft. both MAG & HEM
Profile scale HEM 1"=20% MAG 50 gammas
Contour interval

MAGNETIC

Instrument SCINTREX MF-2 vertical component fluxgate
Accuracy - Scale constant +/- 0.05% of full scale for 1,000 to 10,000 gamma range
Diurnal correction method 'looping'
Base Station check-in interval (hours) N/A
Base Station location and value

ELECTROMAGNETIC

Instrument GEONICS EM-17
Coil configuration horizontal loop
Coil separation 300 ft.
Accuracy +/- 1%
Method: [] Fixed transmitter [] Shoot back [x] In line [] Parallel line
Frequency 1600 Hz (specify V.L.F. station)
Parameters measured in-phase & quadrature

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

AREA OF **2.2939**
BUCHAN BAY
 EAGLE LAKE

DISTRICT OF
 KENORA

KENORA
 MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

- | | |
|-----------------------|--------|
| PATENTED LAND | ⊙ |
| CROWN LAND SALE | C.S. |
| LEASES | Ⓛ |
| LOCATED LAND | Loc. |
| LICENSE OF OCCUPATION | L.O. |
| MINING RIGHTS ONLY | M.R.O. |
| SURFACE RIGHTS ONLY | S.R.O. |
| ROADS | — |
| IMPROVED ROADS | — |
| KING'S HIGHWAYS | — |
| RAILWAYS | — |
| POWER LINES | — |
| MARSH OR MUSKEG | — |
| MINES | Ⓜ |
| CANCELLED | C. |

NOTES

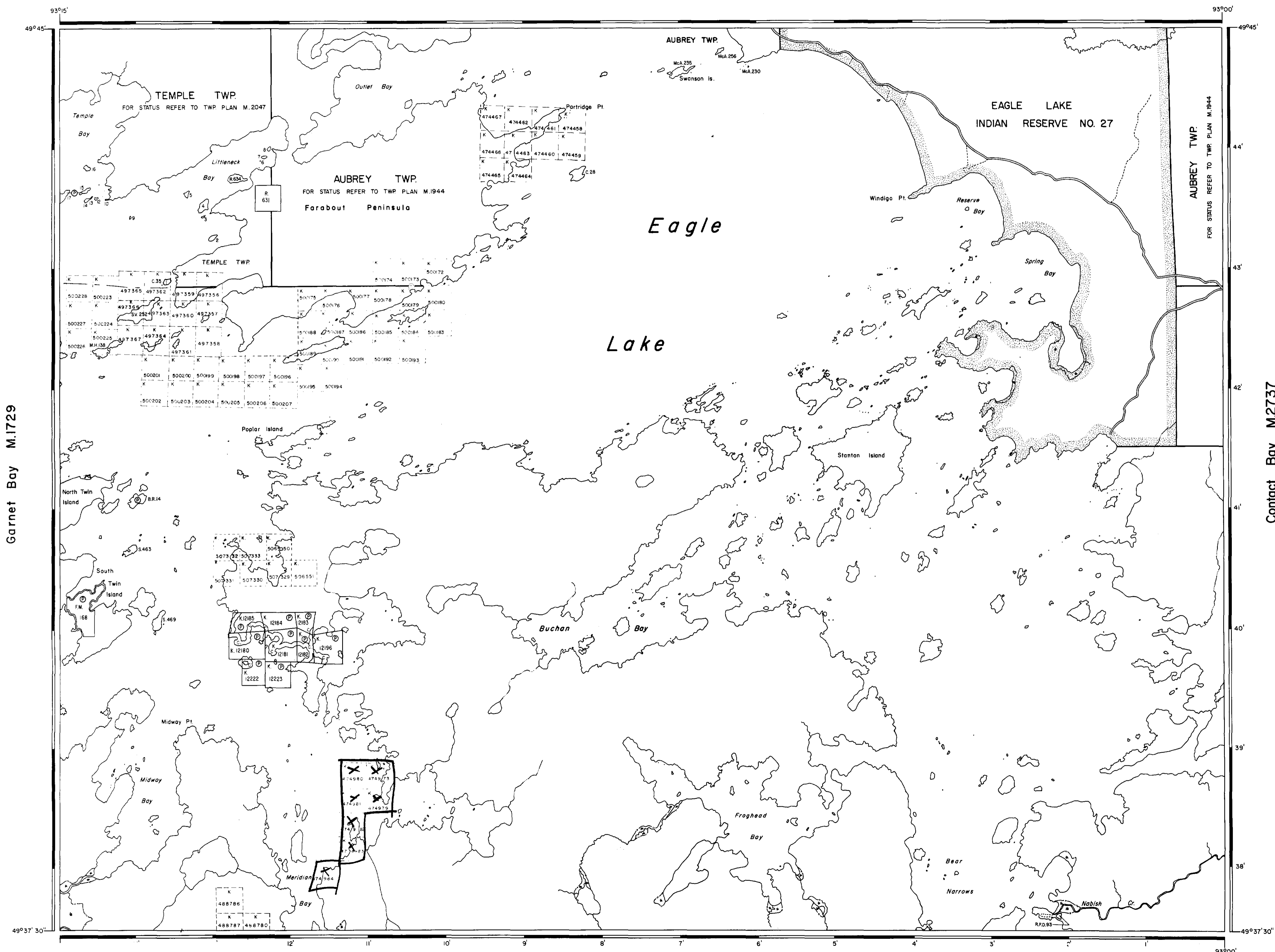
400' surface rights reservation along
 the shores of all lakes and rivers.

DATE OF ISSUE
APR 30 1979
 SURVEYS AND MAPPING
 B.C.M.

NATIONAL TOPOGRAPHIC SERIES 52F11

PLAN NO. **M.1288**

ONTARIO
 MINISTRY OF NATURAL RESOURCES
 SURVEYS AND MAPPING BRANCH

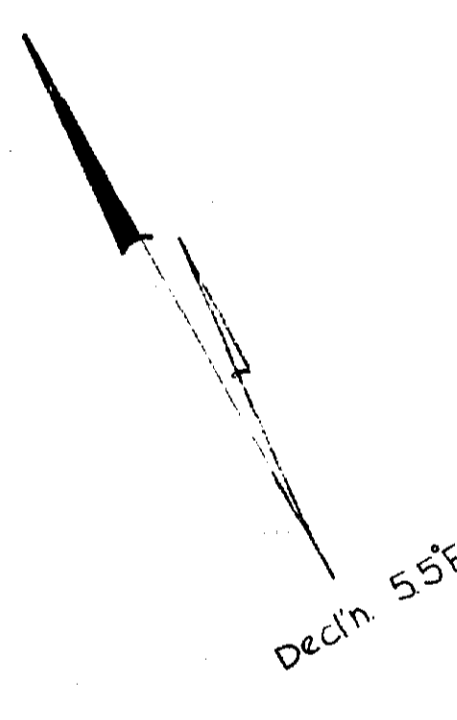
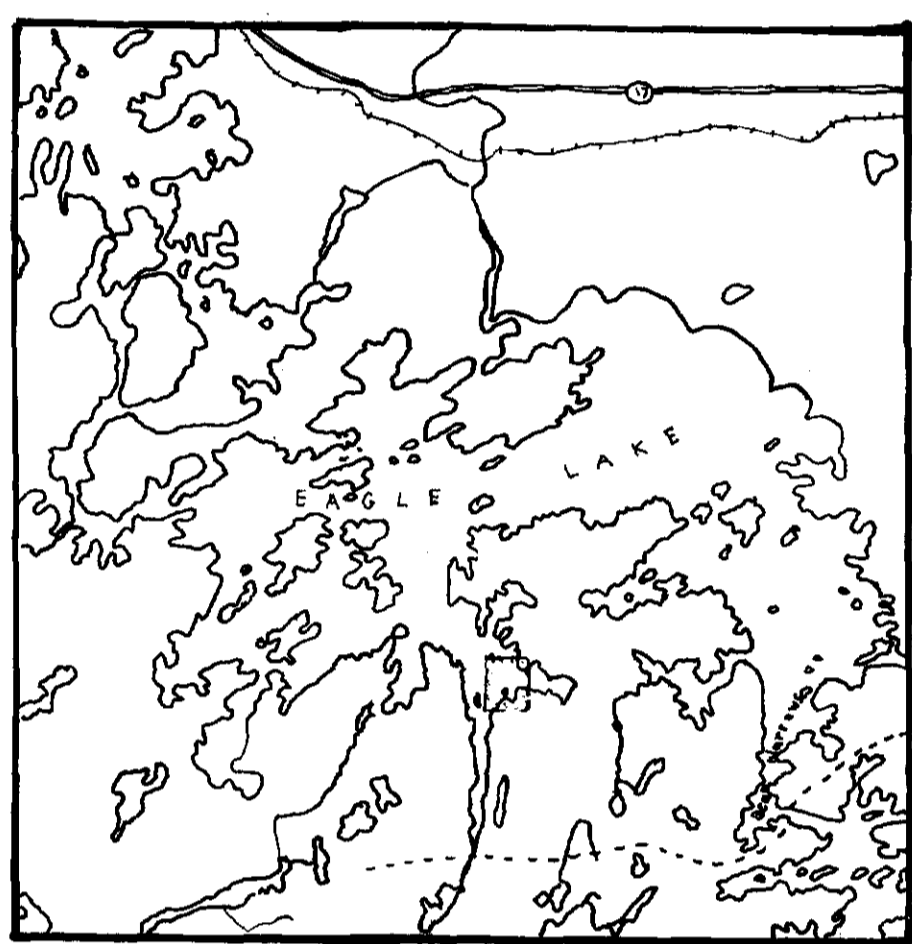


Garnet Bay M.1729

Contact Bay M.2737

Osbourne Bay M.2691





Meridian Bay
(Eagle Lake)

SHERRITT GORDON MINES LTD

MERIDIAN BAY PROJECT (232)
SUKAVA OPTION
MERIDIAN BAY GROUP
CLAIM MAP M-12BB
52-F-11

Magnetometer Survey

MF-2
contour interval 50.8
plan scale 1:200
operator: L. Miller

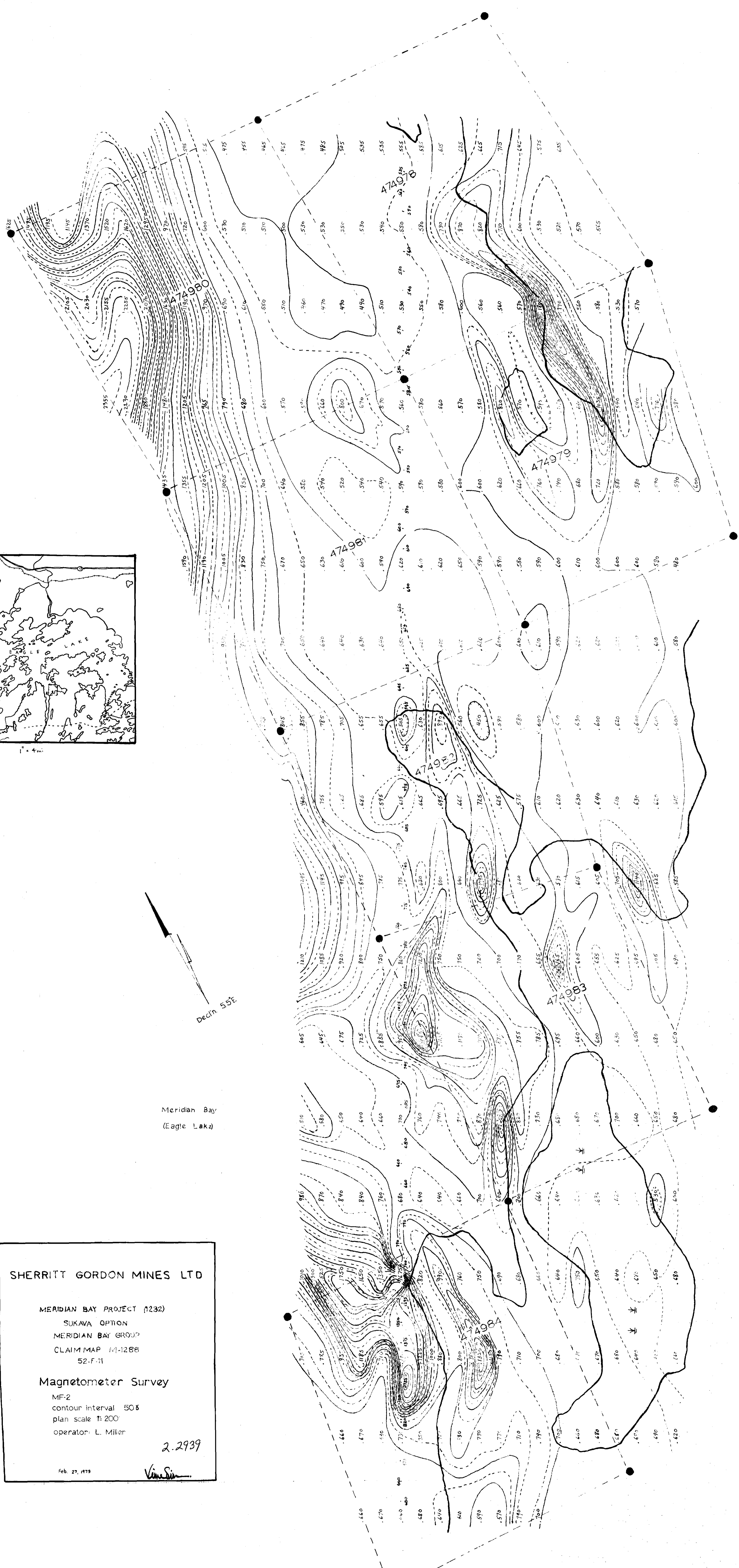
2.2939

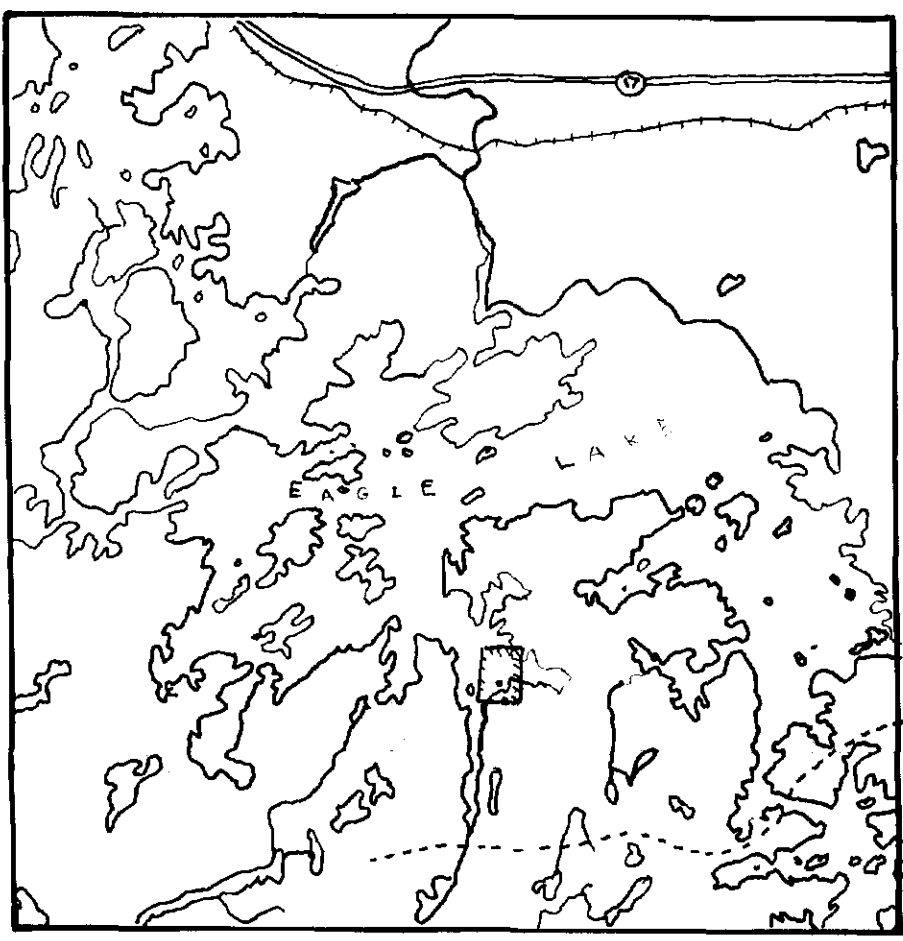
Feb. 27, 1979

Viney

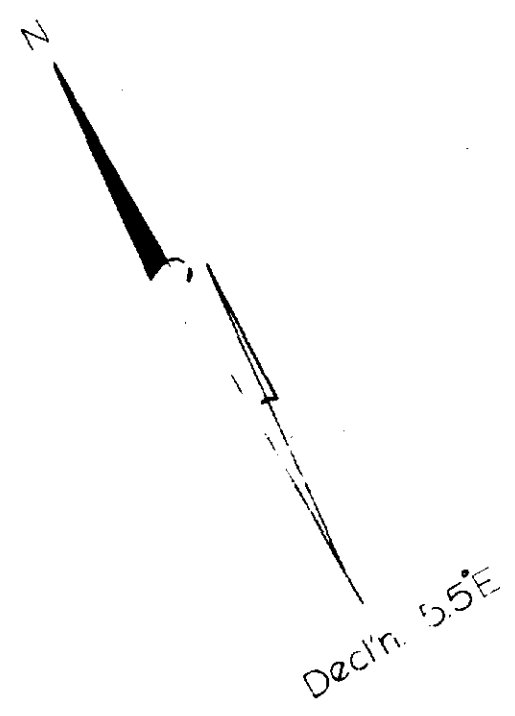
20W 16W 12W 8W 4W 0W 4E 8E 12E 16E

68N 64N 60N 56N 52N 48N 44N 40N 36N 32N 28N 24N 20N 16N 12N 8N 4N 0N





1" = 4mi



Meridian Bay
(Eagle Lake)

SHERRITT GORDON MINES LTD

MERIDIAN BAY PROJECT (1232)
 SUKAVA OPTION
 MERIDIAN BAY GROUP
 CLAIM MAP M-12BB
 52-F-11

EM-17 Survey
 300' col separation
 — real
 - - - - - imaginary
 geophysical scale 1:200'
 plan scale 1:200'

operators: P. Waignen
 C. Pike

2.2939

FEB 27, 1979

Vine Swann

20W

16W

12W

8W

4W

Baseline
90° true N

4E

8E

12E

16E

68N
64N
60N
56N
52N
48N
44N
40N
36N
32N
28N
24N
20N
16N
12N
8N
4N
0N

474978

474980

474979

474981

474982

474983

474984



501112648 2.2939 MERIDIAN BAY (EAGLE LA)