



42A01NE0067 2.1611 MAISONVILLE

010

Ecstall Mining Ltd.
Report on Geophysical Work
in
Maisonville Township

Claims: L 371506-L 371508, L 371510, L 380470-L 380473

A geophysical survey consisting of magnetometer and horizontal loop traverses was carried out over this group of 8 contiguous claims, located in the N $\frac{1}{2}$ of Lots 4 and 5, Con. IV, Maisonville Township.

The property may be reached by bush roads which come to within a mile of the NE and SW corners of the claim group.

Previous work in the area was done by the Ontario Department of Mines (Map P.409, Maisonville Township) and by Kerr Addison Mines Ltd. who drilled a total of seven diamond drill holes on the property. The drilling appears to have been based on geophysics which has not been submitted for assessment.

OCTOBER, 1974

J.A. SLANKIS

According to Map P.409 the property is located on the western limb of a north-south striking syncline whose axis is near the eastern boundary of the claim group. The predominant rocks are Keewatin-type mafic and silicic flows, tuffs and agglomerates, Keewatin or Timiskaming slates and cherts, and younger intrusive gabbros and diorites. Several N-S striking diabase dikes are found in the south-west corner of the claims.

The drill holes, excepting hole 66-2 which is located in Claim L 371510, were all collared with claim L 380470. They outlined a NE trending zone containing appreciable amounts of pyrite and pyrrhotite disseminated within a rhyolite breccia. Some sphalerite and very minor amounts of galena and chalcopyrite are noted in the drill logs. None of the assays are particularly encouraging - the best sections run a little more than 2% Zn over less than 10 feet.

Survey Results:

The magnetics over the western part of the claim group are relatively flat except for two weak highs running from 13W on Line 9S to 11W on Line 12N and from 5W on Line 3S to

2W on Line 18N. The highs most probably reflect the presence of diabase dikes although their amplitude is considerably smaller than that usually observed over diabase.

The central portion of the claims show minimal magnetic relief while in the eastern part the isolated highs reflect gabbro intrusives.

The horizontal loop survey shows 5 definite anomalies. The only one which has been drilled is around 15E on Line 12N. The drilling found 3 zones of graphitic tuffs ranging in width from 10 to 25 feet over a downhole distance of 250 feet.

The two southern most anomalies (at 0 on Line 9S and 4E on Line 6S) appear to be caused by small lenticular zones of poorly conductive material. In each case, the conductor width is very small and depth of burial less than 50 feet.

The anomaly at 8+50E on Line 3S is only partially defined but reflects the beginning of a fair conductor. This may be the southern end of the zone drilled by Hollinger Mines.

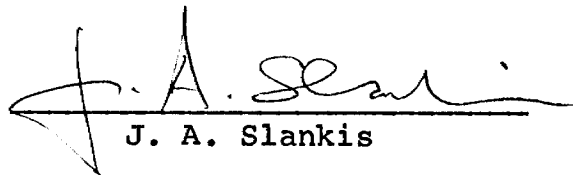
The source of the anomaly at 6W on Line 3N is a short lenticular conductor, about 25 feet wide and located at a depth of 40 feet. It may have a weak magnetic anomaly of 40-50 gammas associated with it.

Recommendations:

The present surveys have detected only one conductor - at 6W on Line 3N - which warrants further investigation. Additional horizontal loop profiles on both sides of Line 3N should be sufficient to delineate it!

Because of the lake, the surveys did not cover the mineralized zone drilled by Hollinger Mines although there are indications of anomalous readings at the lakeshore on Lines 3, 6 and 9S. After freeze-up the grid should be extended to cover Goose-Egg Lake to complete the geophysical coverage.

JAS:ss


J. A. Slankis



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) Geophysical
Township or Area Maisonville Township
Claim Holder(s) Ecstall Mining Ltd.
P.O. Box 175 Commerce Court Toronto M5L 1E7
Survey Company As above
Author of Report J. A. Slankis
Address of Author As above
Covering Dates of Survey August-October, 1974
Total Miles of Line Cut 8.2

MINING CLAIMS TRAVERSED
List numerically
Table with columns for prefix (L) and number (371506, 371507, 371508, 371510, 380470, 380471, 380472, 380473)
Handwritten note: Considering size of Ecstall Egt. lets a full coverage or most of claims allow as is JAS

SPECIAL PROVISIONS CREDITS REQUESTED
Geophysical
-Electromagnetic 420
-Magnetometer 240
-Radiometric
-Other
Geological
Geochemical

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer Electromagnetic Radiometric
DATE: Oct 30, 1974 SIGNATURE: J. A. Slankis
Author of Report or Agent

Table with columns: Res. Geol., Qualifications (2.686), Previous Surveys (L.D.), File No., Type, Date, Claim Holder

OFFICE USE ONLY

If space insufficient, attach list

TOTAL CLAIMS 8

GEOPHYSICAL TECHNICAL DATA

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

MAG: 372 MAG: 422
EM: 385 EM: 385
Number of Stations Number of Readings
Station interval 100' (50' detail) Line spacing 300'
Profile scale EM: 1"=20%
Contour interval MAG: 100 gamma contours

MAGNETIC

Instrument Geometrics G 816, Proton Precession, Total Field
Accuracy - Scale constant + 1 gamma
Diurnal correction method Magnetic field strength established along base line by
Base Station check-in interval (hours) reading 300' loops with 100' stations. Base line
Base Station location and value values subsequently used to correct survey data.
At base line on Line 0+00, 59550 gammas

ELECTROMAGNETIC

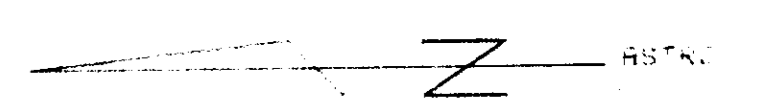
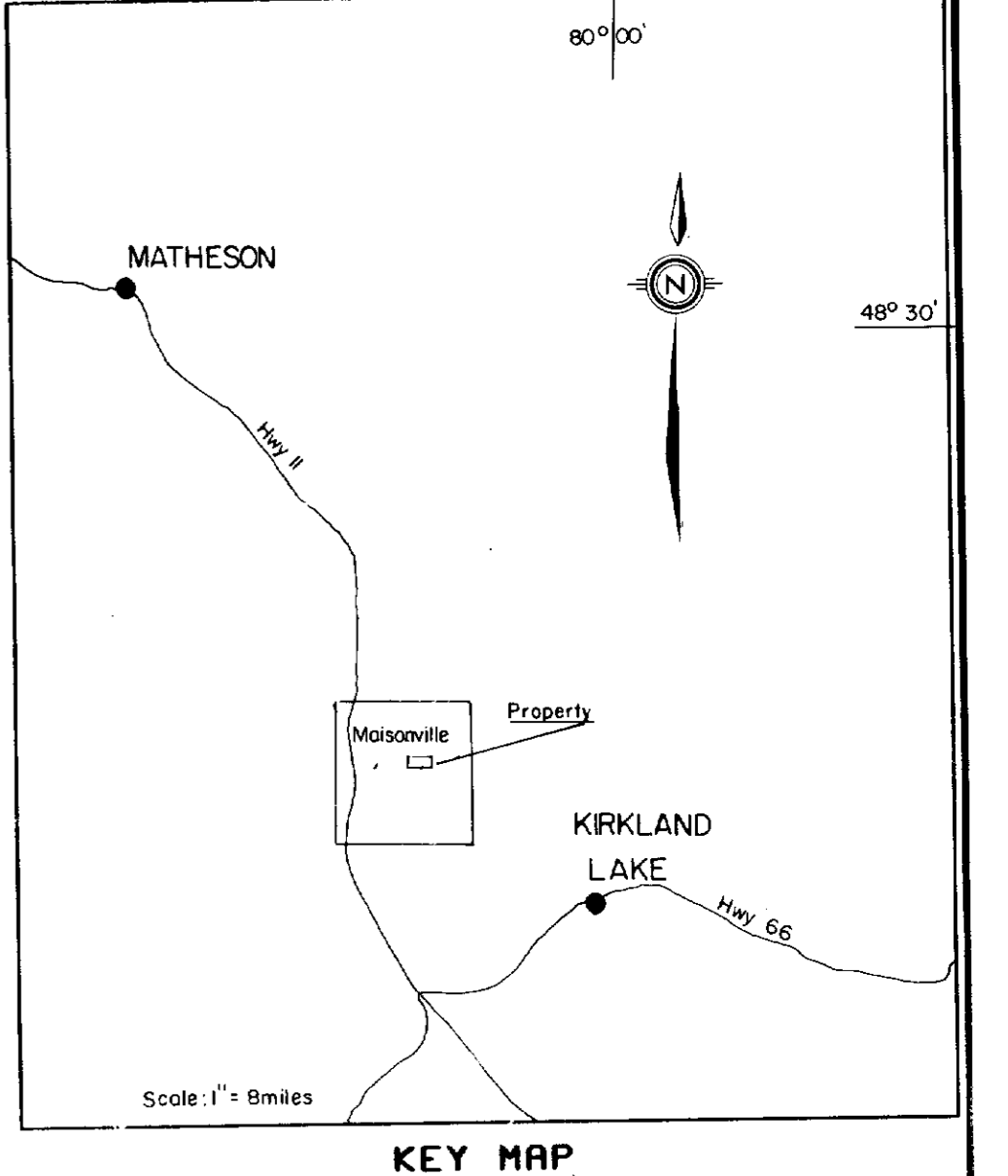
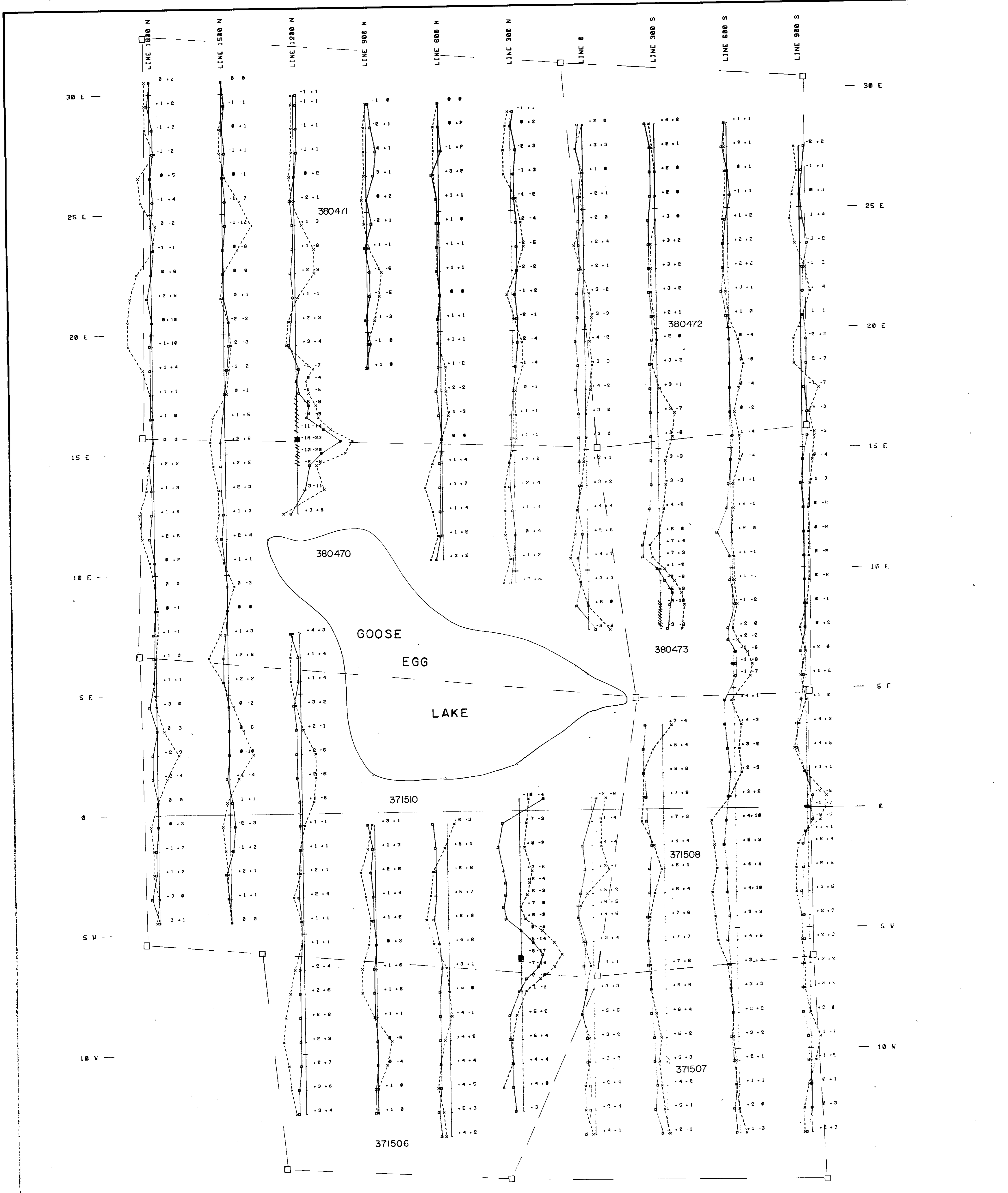
Instrument Geonics EM-17
Coil configuration Horizontal Loop
Coil separation 300 feet
Accuracy + 2%
Method: [] Fixed transmitter [] Shoot back [x] In line [] Parallel line
Frequency 1600 Hz (specify V.L.F. station)
Parameters measured In-phase and Quadrature components at Secondary Field as
percent of Transmitted Field.

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



LEGEND

IN-PHASE REALINGS
 ANALOGUE REALINGS

INSTRUMENT : SONICS EM 17
 FREQUENCY : 1600 Hz
 COIL SPACING : 300 FEET
 PROFILE SCALE : 1" = 50'

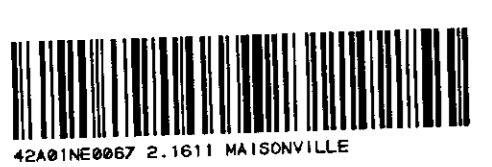
— REALINGS — REALINGS

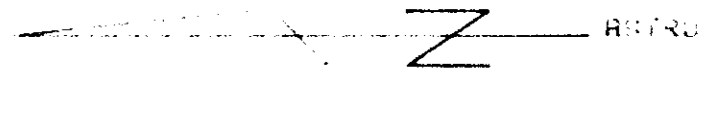
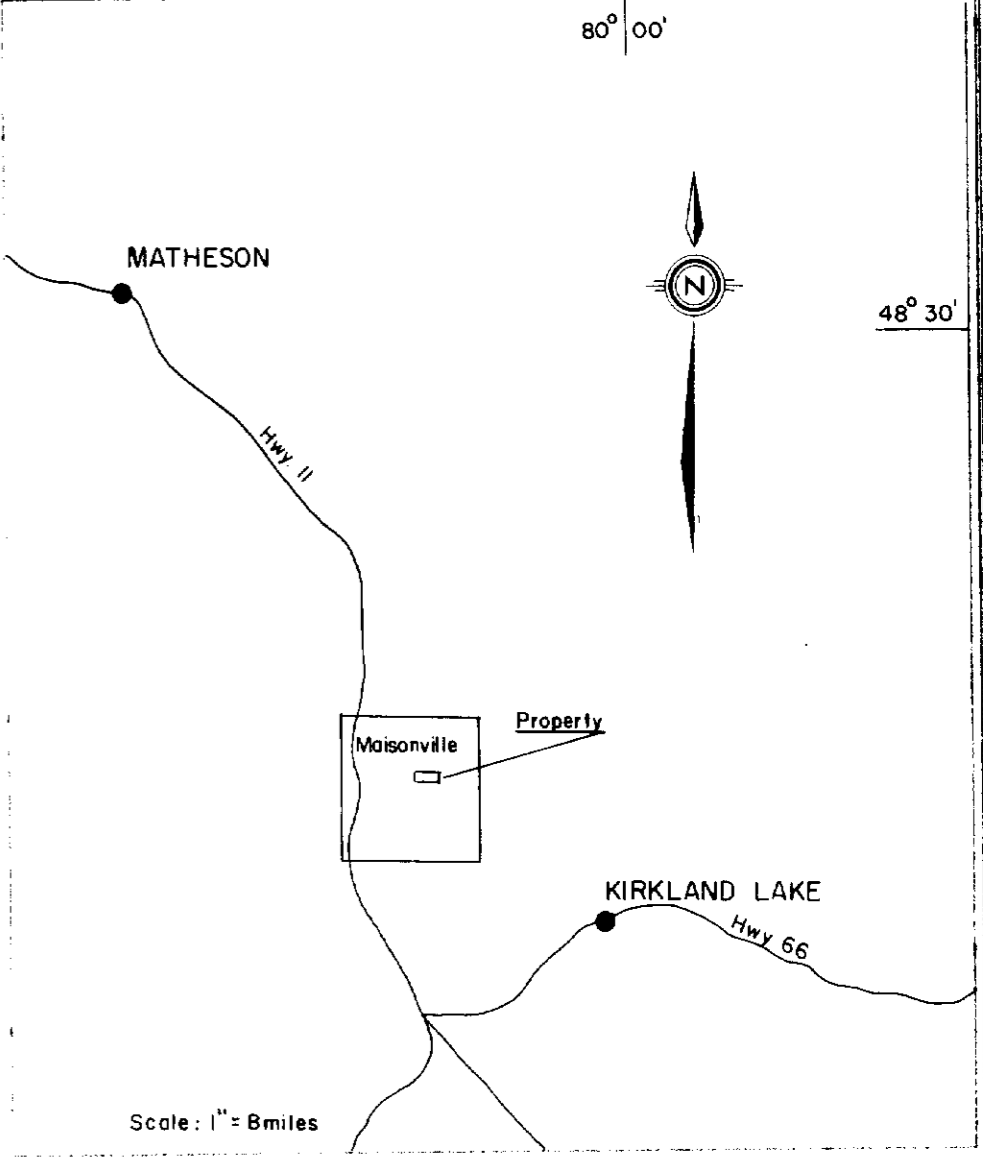
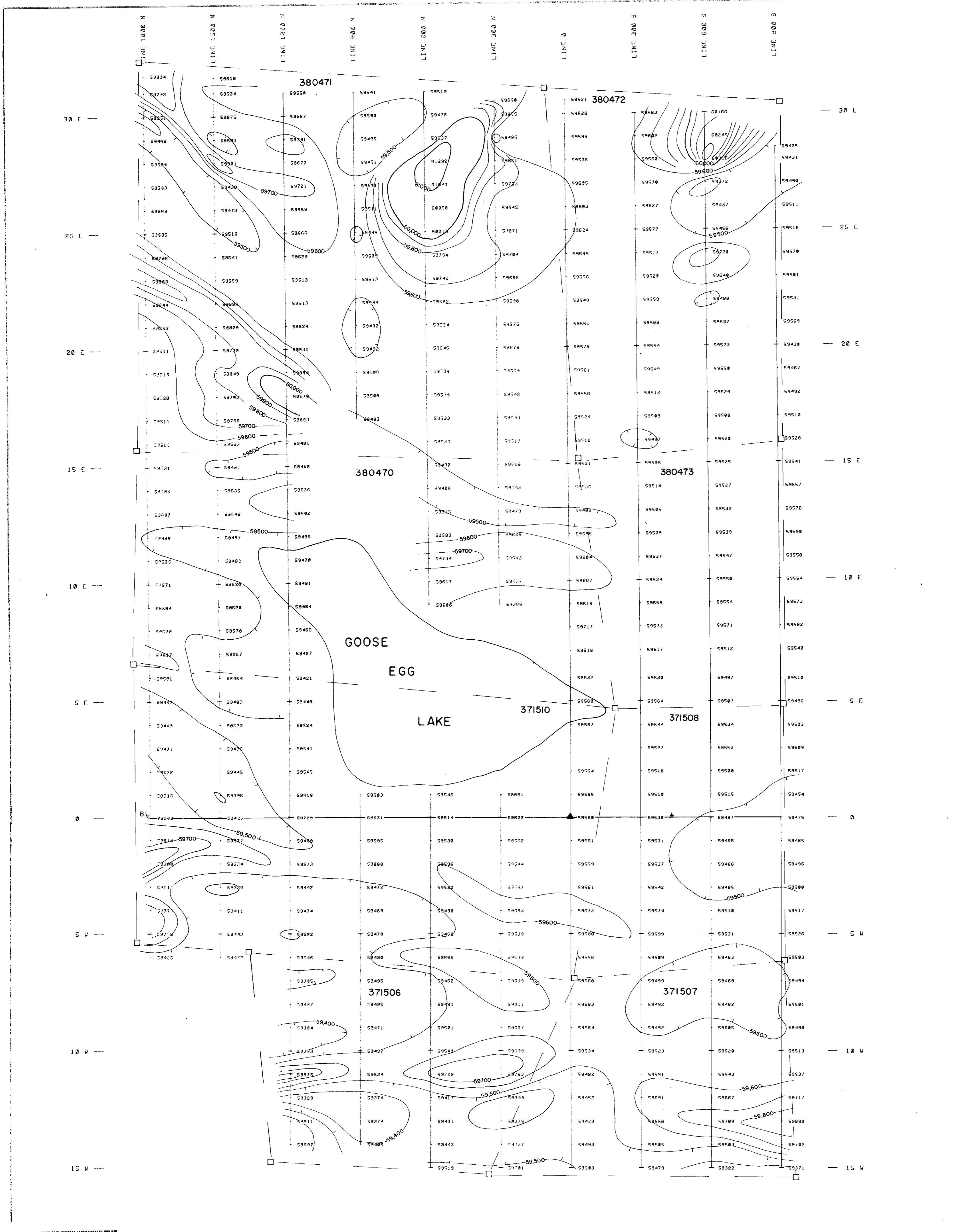
0 200 400 600 800
 FEET

ECSTALL MINING LTD.
HORIZONTAL LOOP SURVEY
MAISONVILLE 45

WORK BY _____ DATE _____
 D.T. & P.C. _____ Aug. 1974

F. A. Slah 20/10/74

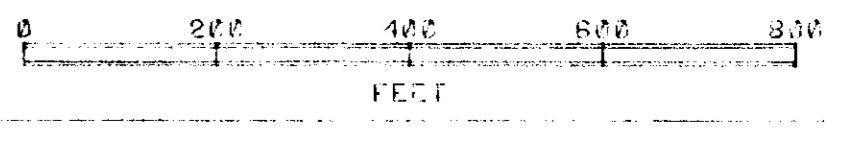




LEGEND

INSTRUMENT: SODERBERG 4516
 TYPE: PROTON MAGNETOMETER, TOTAL FIELD
 READING IN GAUSS

▲ Magnetic Base Station at 0400 on B.L.

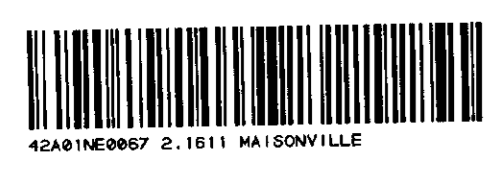


ECSTALL MINING LTD.

MAGNETIC SURVEY

MAISONVILLE 45

WORK BY: _____ DATE: _____
 P.C. _____ Aug 1974



F.A. Scott 30/10/74