

EXPLORATIONEASTERN DISTRICTASP PROPERTYGEOPHYSICAL ASSESSMENT REPORT - 1980JUNE 12, 1980R.W. HOLROYD

Horizontal loop EM and magnetics survey were carried out by Georex Ltd. during October, 1979 on the Asp property of north-eastern Ontario. An Apex Max Min 11 EM unit was used in the maximum coupled (horizontal loop) mode with a coil separation of 100 metres though the grid was set up in Imperial units. Readings were taken at two frequencies (444 and 1777 Hz) at an interval of 100 feet (30.48 metres), with the 100 metres coil spacing maintained by a measured reference cable. A Scintrex MP-2 proton precession magnetometer was used for the magnetics survey.

The HLEM survey indicates the presence of a long formational conductive feature which extends across the length of the grid. Geological mapping indicates that this formation trend is iron formation and due to high gold values is the exploration target. The main characteristics of this iron formation are the dislocations along its length i.e. sinistral faulting at about L-52 W and vertical faulting between lines 20 W and 24 W. This second dislocation is indicated by a sudden increase in depth of the conductor on line 24 W and to the east, and is supported by the tectonic fabric of the rocks (vertical rodding of clasts) and topographic features. The north-south trending fault at line 52 W displaces the conductive horizon about 500 feet.

In general, the iron formation is 50-75 feet wide, moderate-strongly conductive and shallow with a near vertical attitude. The conductivity widths are typically quite high to the west, i.e. up to 60 mhos. West of line 56 W this conductor is a single, narrow conductive horizon, though on, and east of, line 56 W two closely spaced parallel conductive features are evident. The northern band is quite variable in conductivity, but is generally less conductive than the southern horizon which extends the full length of the grid. The magnetics survey indicates that the northern horizon does not have any magnetic expression and appears to be a graphitic horizon. This is supported by geologic field mapping, since minor graphite is evident in outcrop. Oxide iron formation is also indicated along the southern limit of the grid in the central portion, though covered by only a few lines of HLEM. A strong HLEM response is produced by this horizon on line 24 W, and with coincident mineralization in outcrop, this horizon also looks attractive.

RECEIVED

JUN 18 1980

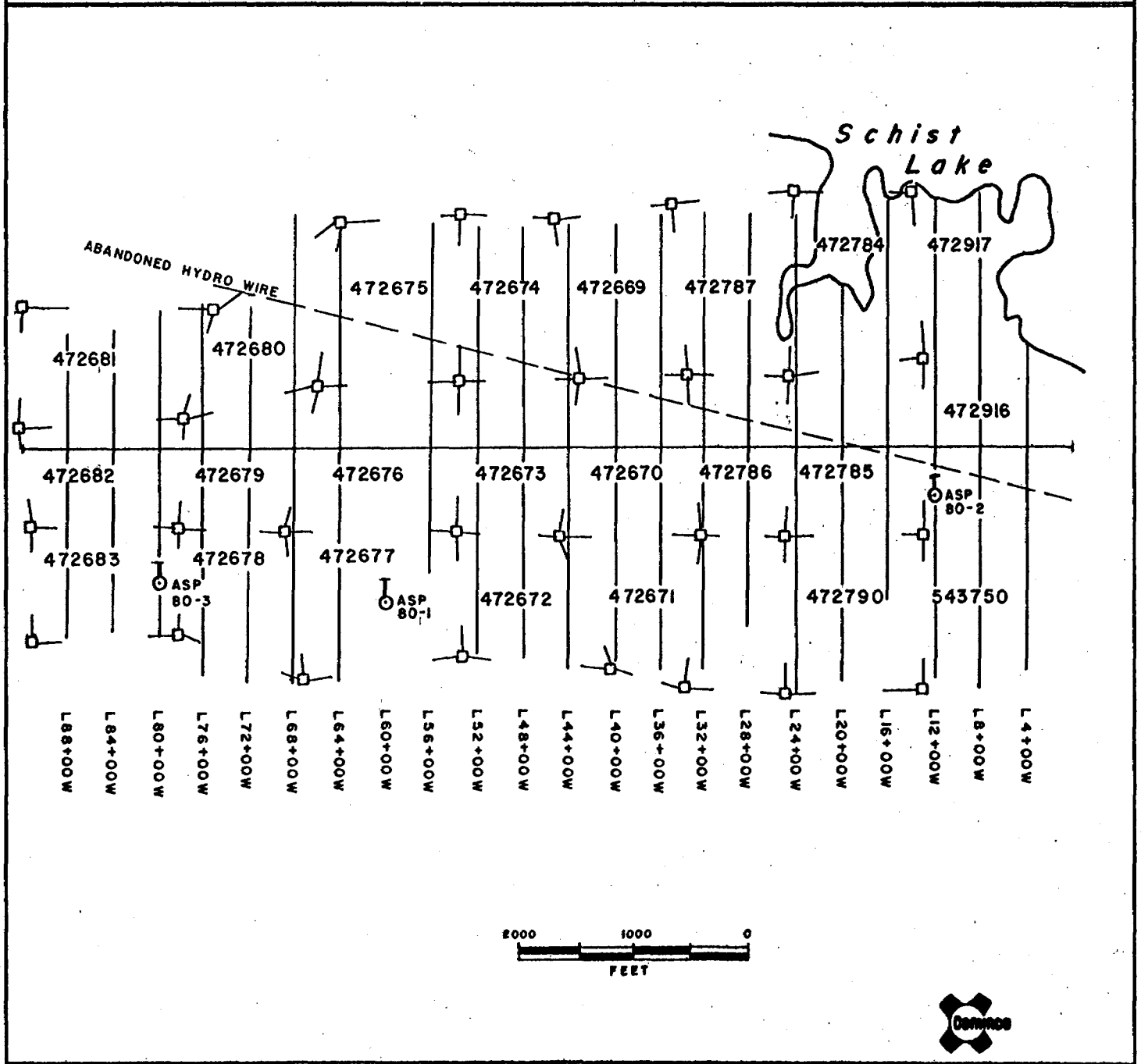
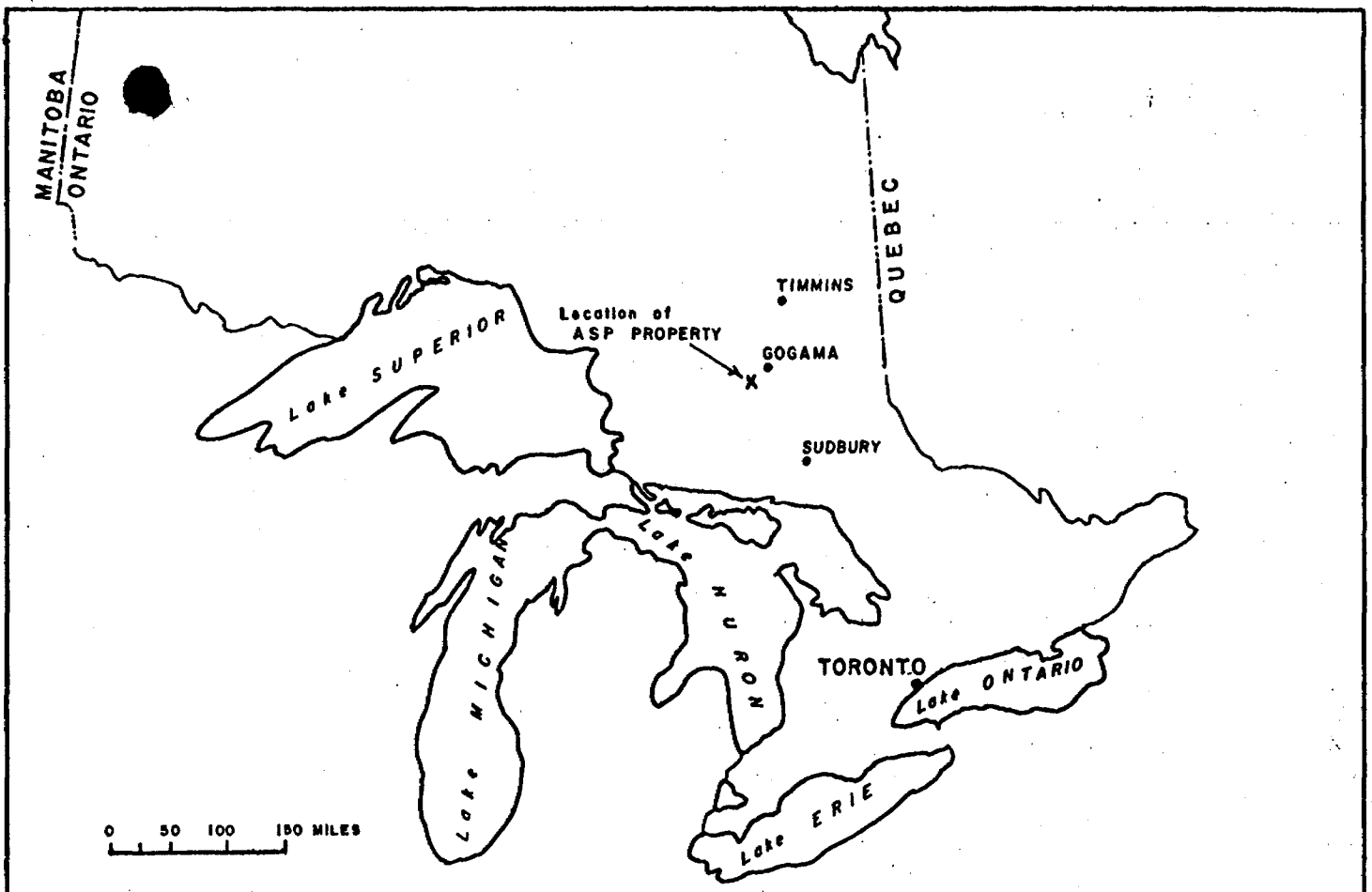
MINING LANDS SECTION

Submitted by: _____

R.W. Holroyd
Geophysicist
Exploration, E.D.

Signed by: J. S. Olver

J.S. Olver
Geologist
Exploration, E.D.



Drawn by: J.S.O		Traced by:	
Revised by	Date	Revised by	Date

ASP PROPERTY DRILL HOLE LOCATIONS

ONTARIO NTS 41-0-9

Scale: Date: June 1980 Plate:



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) HLEM , MAGNETOMETER

Township or Area YEO

Claim Holder(s) COMINCO LIMITED

Survey Company GEOEX LTD. TIMMINS

Author of Report R.W. HOLROYD

Address of Author Suite 1700, 120 Adelaide St. W. Tor.

Covering Dates of Survey September 20 - October 7, 1979
(linecutting to office)

Total Miles of Line Cut Previously claimed

MINING CLAIMS TRAVERSED
List numerically *114*

P	472784	✓
P	472785	✓
(prefix)	(number)	
P	472786	✓
P	472787	✓
P	472789	✓ <i>114</i>
P	472790	✓ <i>114</i>
P	472916	✓
P	472917	✓
.....		
P	514669	✓
P	" 70	✓
P	" 71	✓
P	" 72	✓
P	" 73	✓
P	" 74	✓
P	" 75	✓
P	" 76	✓
P	" 77	✓
P	" 78	✓ <i>114</i>
P	" 79	✓
P	" 80	✓
P	" 81	✓ <i>114</i>
P	" 82	✓ <i>114</i>
P	" 83	✓ <i>114</i>
P	543750	✓

If space insufficient, attach list

**SPECIAL PROVISIONS
CREDITS REQUESTED**

DAYS
per claim

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

ENTER 20 days for each
additional survey using
same grid.

Geophysical	
--Electromagnetic	20
--Magnetometer	20
--Radiometric	
--Other	
Geological	
Geochemical	

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

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

DATE: June 6 1980 SIGNATURE: James S. Oliver
Author of Report or Agent

Res. Geol. L.D. Qualifications 20 yr in geophysics

Previous Surveys
File No. Type Date Claim Holder 2.3238.

			Qualifications signed for J. S. Oliver

TOTAL CLAIMS 24

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 850 Number of Readings 850
Station interval 100' Line spacing 400'
Profile scale 1" = 20%
Contour interval 500'

MAGNETIC

Instrument SCINTREX MP-2
Accuracy - Scale constant + 1 gamma
Diurnal correction method looping
Base Station check-in interval (hours) 2 hours
Base Station location and value

ELECTROMAGNETIC

Instrument MAX-MIN II HLEM
Coil configuration HORIZONTAL LOOP
Coil separation 328'
Accuracy + 1%
Method: [] Fixed transmitter [] Shoot back [x] In line [] Parallel line
Frequency 444 Hz, 1777 Hz (specify V.L.F. station)
Parameters measured IN-PHASE, OUT-OF-PHASE

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

DATE OF ISSUE
JUN 40 1997
SURVEYS AND MAPPING
BRANCH

2.3358

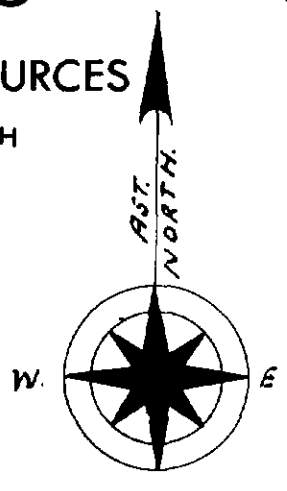
PLAN OF YEO TWP.

FORCUPINE MINING DIVISION.

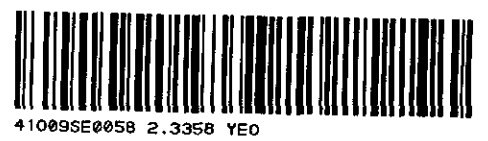
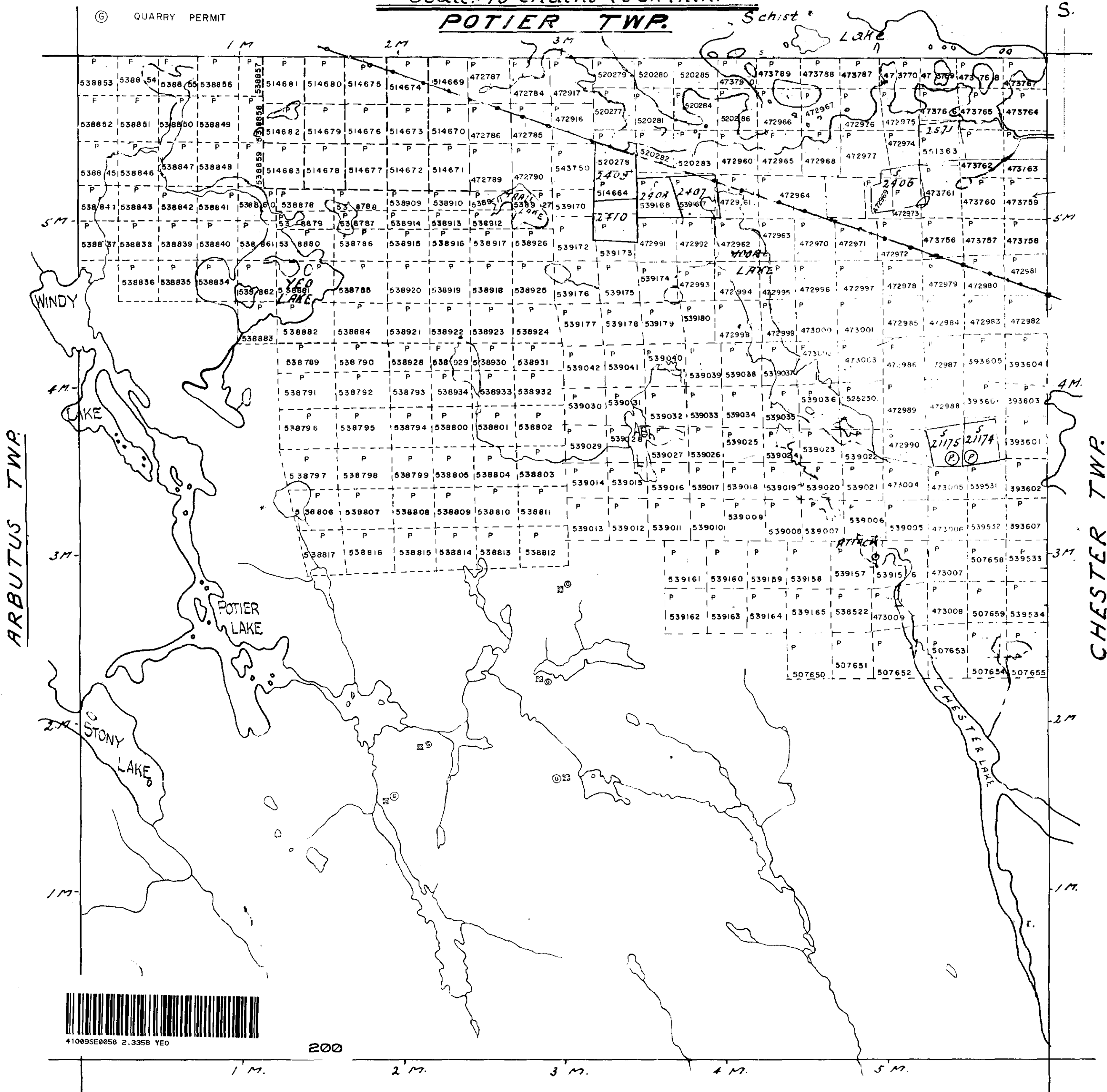
DISTRICT OF SUDBURY

Scale: 40 chains to an inch.

POTIER TWP.



QUARRY PERMIT

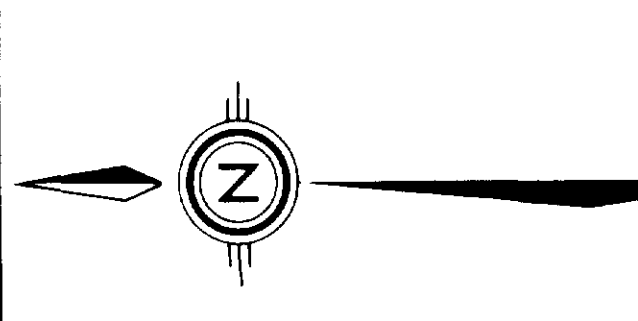


200

400 Reserve to the Dept. of L. & F
shown thus:

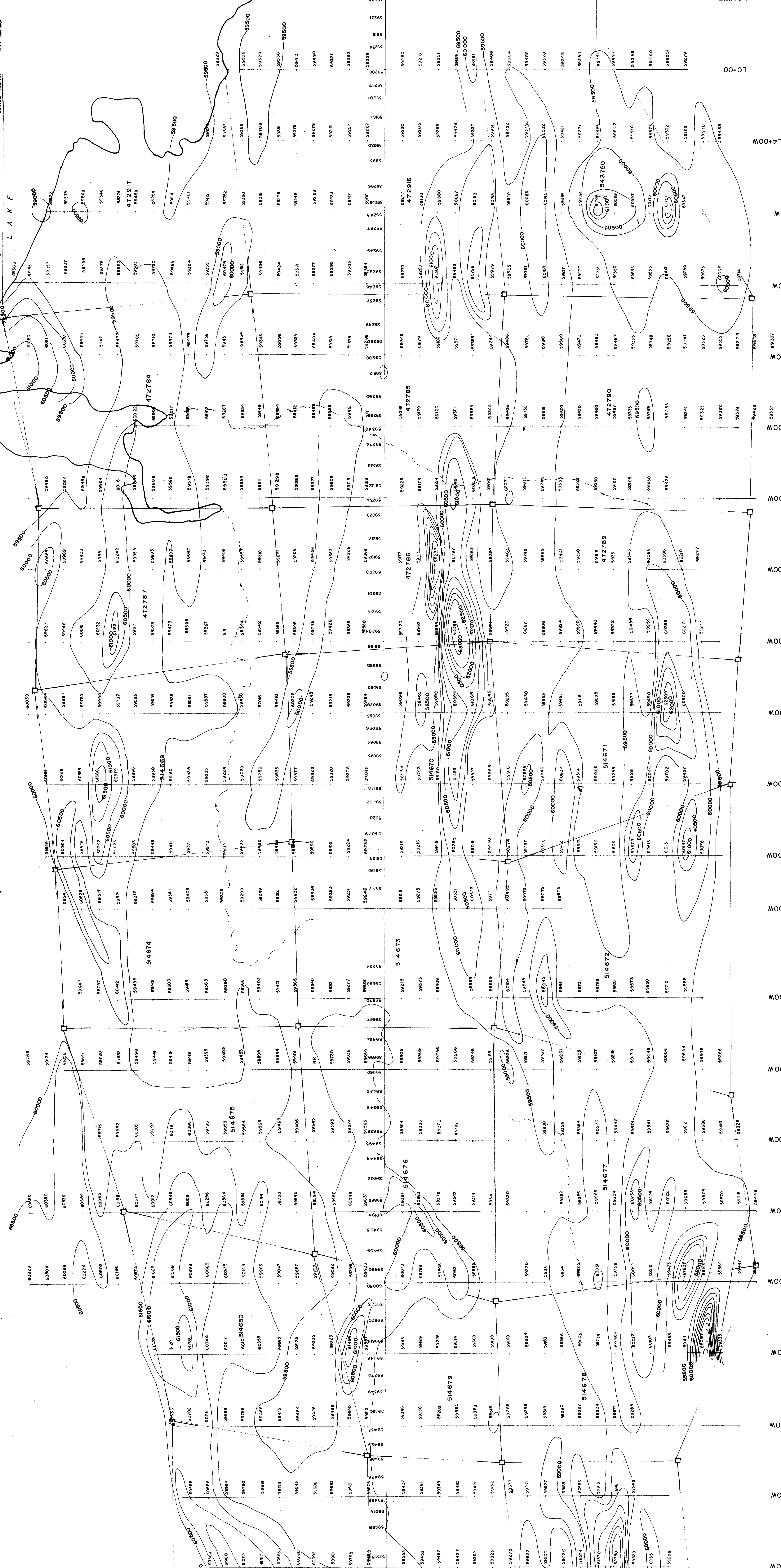
SMUTS TWP

OUT 07/1



SCHEFFER MAP-2 PROTON MAG
500 GAUSS

INSTRUMENT
Constant Interval



EASTERN DISTRICT
ASP PROPERTY
MAGNETIC SURVEY

Scale: 1 inch = 200 feet
Date: Jan 1980
N.T.S. 41-0-9
P. 100

220
11/20/2008 2:38:00 PM