



41P06SE0017 2.6102 UNWIN

010

CHICAULT GOLD-COBALT PROSPECT
UNWIN TWP. LARDER DISTRICT, ONT.

REPORT ON

MAGNETIC & SELF POTENTIAL SURVEYS
ON CLAIMS L-605188, 605186, 647165

By Art Elliott, 438 High St., London, Ont.

July 1983

READ BY: Gordon T.J. Campbell

Bsc. Phys. Geog.

Qual. 2.5712

RECEIVED

DEC 6 1983

MINING LANDS SECTION



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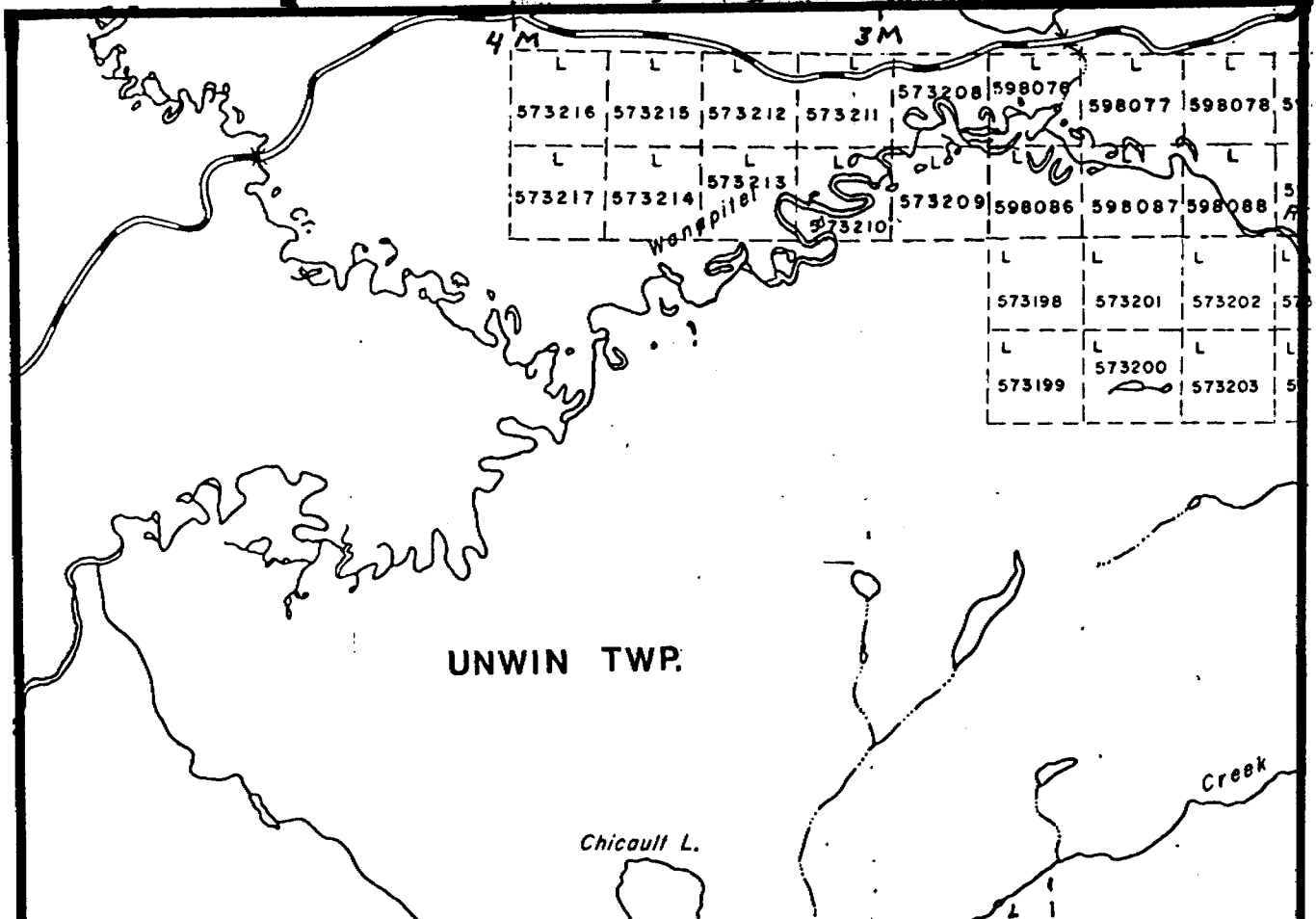
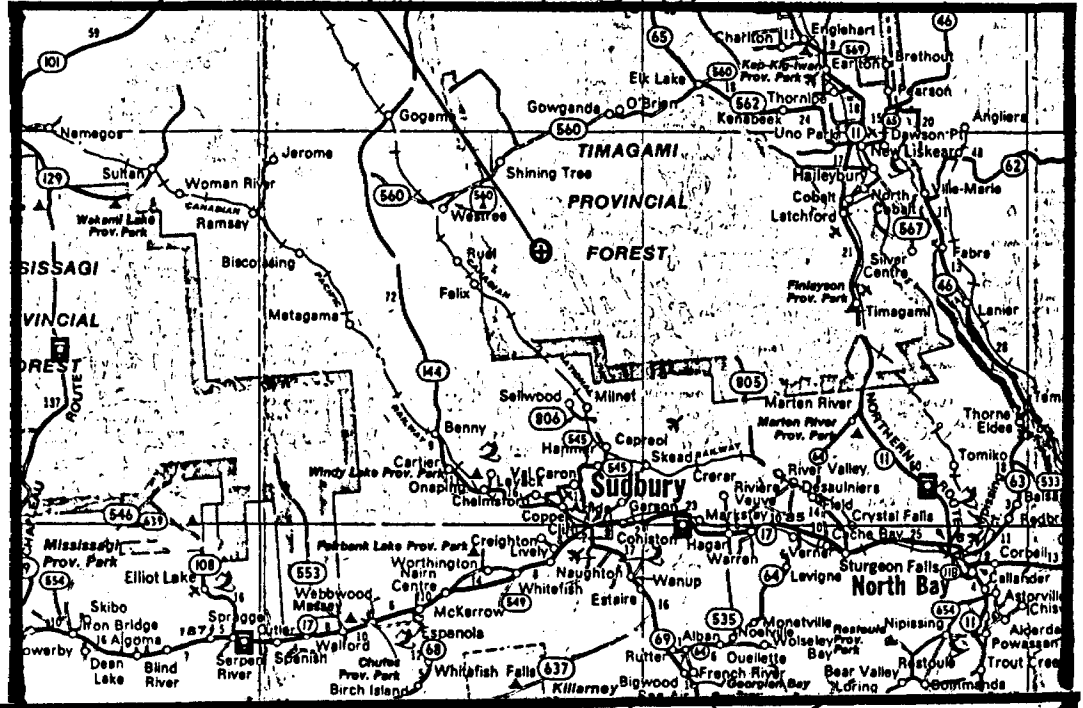
QUALIFICATIONS

APPENDIX:

PROFILED SELF POTENTIAL DATA

MAGNETIC DATA PLOTTED.

LOCATION



INTRODUCTION

Art Elliott Exploration and Martin DeKeyser carried out line cutting and picketing of three claims in Unwin Township held by them, namely L-605188, L-605186 and L-647165. A magnetic survey and a self potential survey were carried out over the same grid. Purpose was to try to further define the extent and direction of cobalt and gold bearing veins exposed in old pits indicated on the enclosed maps. Stations were established at 50 foot intervals on 9,674 feet of line including baselines and data recorded at all of them.

About 4,000 feet of line cut the preceding year was cleaned out and repicketed. About 6,000 feet of new line was cut, in an effort to get more closely spaced lines. Field work was done from July 25 to 30 inclusive.

SUMMARY

Interpreted sulphide zones indicated by the self potential survey in the north and east of area covered conformed to the lineament indicated by Ont. Geol. Survey Map 2361, while those in the southwest sector appear to pivot from northwesterly to westerly strike, turning on the horizontal contact with the Nipissing Diabase dike down the east side of Cl. 605186. They also coincide within a few feet with VLF-EM crossovers plotted in a survey of 1982.

The fluxgate magnetometer survey agreed broadly with previous anomalies plotted in 1982 and closer lines made for a more coherent interpretation. Anomalies coincided with those plotted in 1982.

PROPERTY

The claims are located in south central Unwin Township on the east shore of Land Lake. Access is by canoe on the Wanapitae River and thence overland about two miles south.

HISTORY

Diligent search of archives has turned up no information on these showings. There was activity in the north half of the township in 1917, but no documentation of work here except for an old claims map showing three claims staked possibly 60-70 years ago in the series 1017, 1018. Complete sets of hand steel, complete with chip scoop and heavy grubhoe were found at the pits. Dumps near the pits were found to be covered with about eight inches of roots and humus, indicating a lot of elapsed time.

GEOLOGY

The top two claims overlie almost pure white quartzite in which stress fracturing is noted on the south bank of Unwin Creek. A diabase dike lies horizontally on top of the quartzite and is evident just south of Pt "C" curving west, then south on the east sides of pits "A" and "B", forming a steep cliff which is difficult, and in places impossible to scale, making closer east-west lines in that area impractical.

The writer sampled a cobalt silver vein about 1100 feet south of BL00 four years ago and judged the strike to be roughly east-west, giving some support to the interpretation of east-west striking sulphide zones in that sector.

SURVEY METHODS

A Sharp Fluxgate MF-1-1 magnetometer was used on the +3000 gamma scale, oriented east on all readings. Background rating was 58,000. Claim post at BL+174 W was used as datum post and graded corrections were applied on an hourly time-elapsed basis.

A Simpson 463 Digital Multimeter reading out to one ten thousandth of 1 V. DC. was used with the meter in a constant configuration with the leads and probes. Readings were stable. About 95% of probe placements were in clean sandy soil, the remainder on bed rock.

SURVEY RESULTS

As indicated in the summary, the potentials indicated numerous sulphide zones, consistent with the presence of numerous veins and stringers, trending north by west in the northern zone wheeling to east-west in the southwest sector, also running parallel. Interpreted sulphide zones coincided with all VLF EM crossovers plotted in 1982.

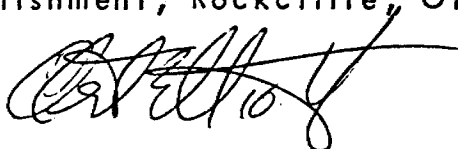
New magnetic anomalies were indicated on new survey lines and generally tended to coincide with and reinforce coarse anomalies plotted in 1982. In a number of instances coincidence with VLF EM crossovers, older magnetic anomalies and new SP sulphide zones was remarkable.

SURVEY RESULTS SUGGEST TRENCHING, SAMPLING

Shallow overburden in some areas indicates intensive trenching and sampling program should be done. Then rock trenching could be undertaken. In this environment a drill program would be initiated only on the advice of senior geologists with drill experience in the Cobalt and Gowanda camps.

QUALIFICATIONS:

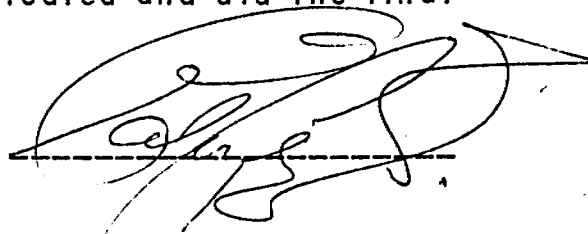
Art Elliott- Field experience from 1934 with Hollinger Mines Ltd; A-plus grade prospecting course Dept. Vet. Affairs; staff prospector, instrument operator Kerr-Addison Mines Ltd. and Noranda Mines Ltd; field supervisor for Lun-Mat Mines Ltd., Mattagami, P.Q., several properties; stf. prospector Erana Mines Ltd., Sudbury; geophysical survey contractor for Dungarvon Resources. Experience covers many parts of NW. Quebec, Northern Ontario, B.C. & Yukon. RCAF Air Navigator (Radar) A-Group technician aerial photography and mapping, RCAF establishment, Rockcliffe, Ottawa, Can.



Respectfully submitted,

Art Elliott, Prospector

Gordon T.J. Campbell, Bsc. Phys. Geog. from Trent University, Peterborough, Ont., 1981; currently enrolled in Geology program University Western Ontario leading to M.Sc. in applied Geology. Mr. Campbell has been employed by various private consulting companies since 1978 and was recently under contract with Ont. Geological Survey, Engineering and Terrain Geology section. Mr. Campbell cooperated the instruments, reviewed the geology, geophysics as indicated and did the final draughting.





Dec. 10th 1983
 900
 ng claims traversed
 s form, attach a list.
 calculated in the
 ion may be entered
 days Cr." columns.
 eas below.

(file L605186)

Type of Survey(s): **MAGNETIC & SELF POTENTIAL** Township or Area: **UNWIN TWP**

Claim Holder(s): **ART ELLIOTT & MARTIN DEKEYSER** Prospector's Licence No.: **C-31734**

Address: **438 HIGH ST LONDON, ONT N6E-4L5**

Survey Company: **ART ELLIOTT EXPLN.** Date of Survey (from & to): **25 7 83** to **30 7 83** Total Miles of line Cut: **9,674 FEET**

Name and Address of Author (of Geo-Technical report): **ART ELLIOTT - 438 HIGH ST LONDON ONT**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	40 ✓
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other S.P.	20
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	605188				
	605186				
	647165 ✓				

RECEIVED
OCT 24 1983

LARDER LAKE MINING DIV.
RECEIVED
OCT 11 1983
 AM 7 8 9 10 11 12 | 1 2 3 4 5 6 PM

Expenditures (excludes power stripping)

Type of Work Performed: _____

Performed on Claim(s): _____

Calculation of Expenditure Days Credits

Total Expenditures \$ _____ + 15 = Total Days Credits _____

Instructions
 Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work: **3**

Date: **11 OCT/83** Recorder Holder or Agent (Signature): *Art Elliott*

For Office Use Only

Total Days Cr. Recorded: **180** Date Recorded: **OCT 11 1983** Mining Recorder: *[Signature]*

Date Approved Recorded: **84.2.29** Inspector: *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: *Art Elliott* **438 HIGH ST LONDON, ONT N6E 4L5**

Date Certified: **11 OCT 83** Certified by (Signature): *Art Elliott*



Mining Lands Comments

okay.

The S.P. survey was assessed for the other 2 claims, & the approval is in 2.5428.

To: Geophysics Mr. R. Barlow.

Comments

Approved Wish to see again with corrections

Date
Jan 21/89

Signature
RRL

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections

Date

Signature

To: Geochemistry

Comments

L.P.

Approved Wish to see again with corrections

Date

Signature

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

Initial Check

MEA Dec 13, 1983.

Assessed

Approved Reports of Work
sent out

Notice of Intent filed

Approval after Notice of Intent
sent out

Duplicate sent to Resident
Geologist

Duplicate sent to A.F.R.O.

323

2.6102

1983 12 09

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geophysical
(Magnetometer, and Self Potential) survey submitted under
Special Provisions (Credit for Performance and Coverage)
on mining claims L 605186 - 88 and L 647165 in the Township
of Unwin.

This material will be examined and assessed and a statement
of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-1380

A. Barr:mc

cc: Art Elliott
438 High Street
London, Ontario
N6C 4L5

cc: Martin De Keyser
151 Forest Avenue
St. Thomas, Ontario
N5R 2J9

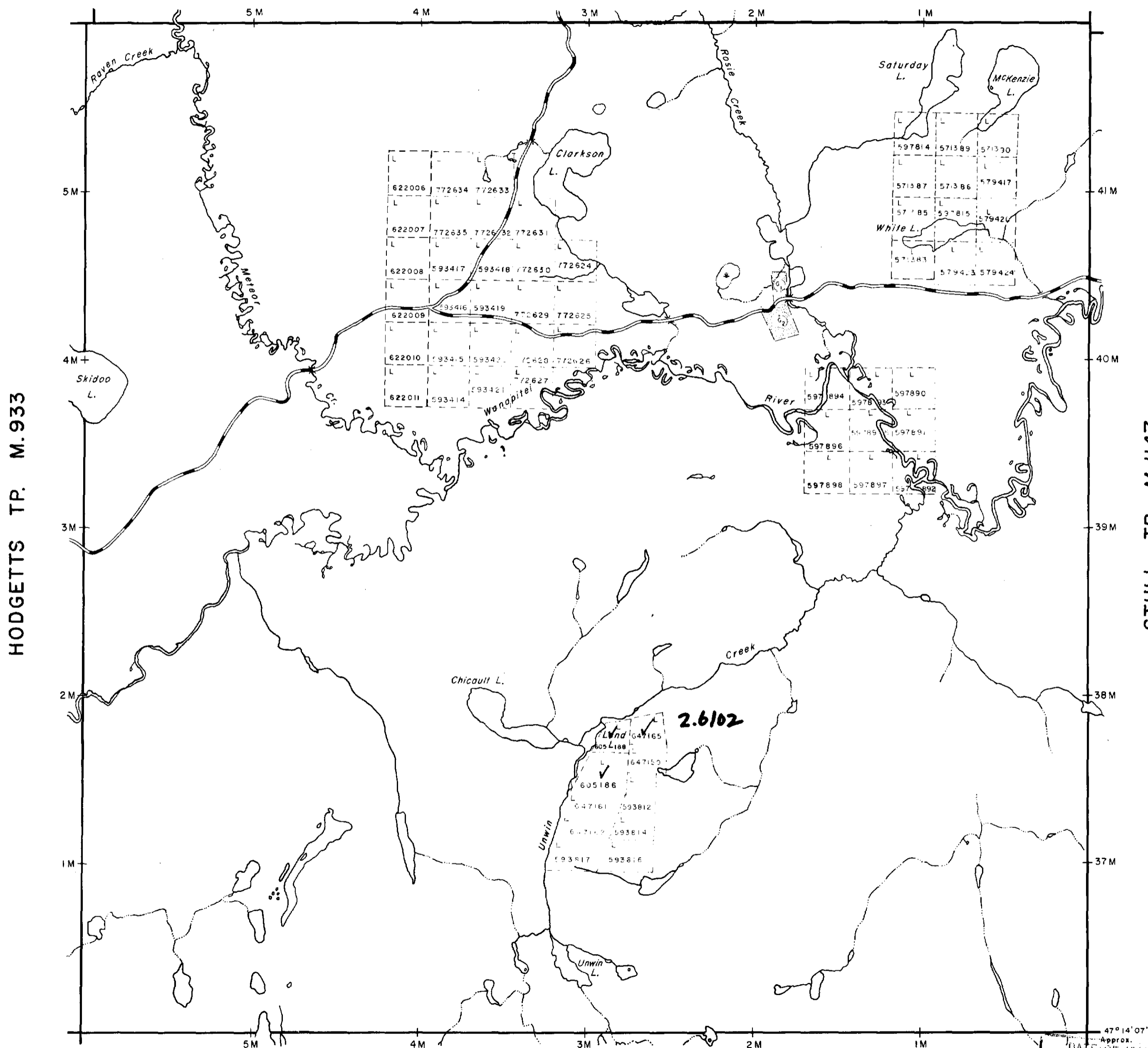
NOTES

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

SAND and GRAVEL

5 MNR GRAVEL RESERVE 3C39
 2 " " " " 3C40

BROWNING TP. M.683



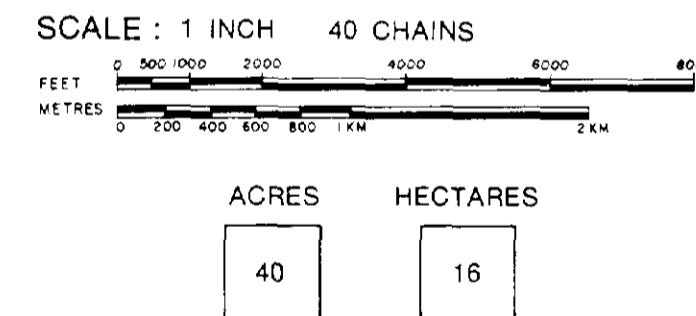
LEASK TP. M.983

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
CROWN LAND SALE	C.S.
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	



TOWNSHIP

UNWIN

DISTRICT

SUDBURY

MINING DIVISION

LARDER LAKE

Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date DEC. 1974

Plan No.

Whitney Block
 Queen's Park, Toronto

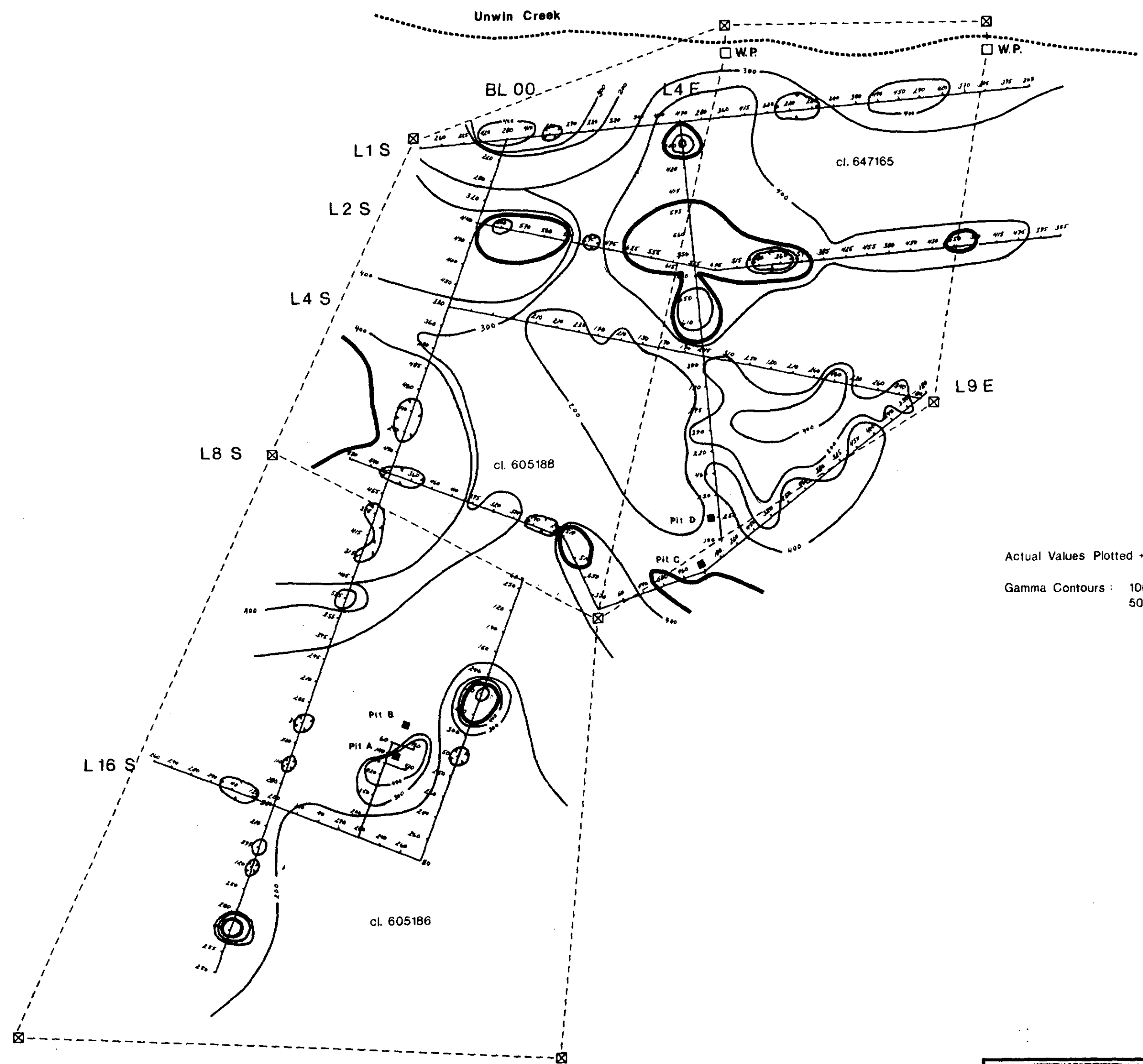
M.1169

47°14'07"
 APPROX.
 ISSUE
 1-23-74
 Ministry of Natural Resources
 TORONTO

J.S.H.



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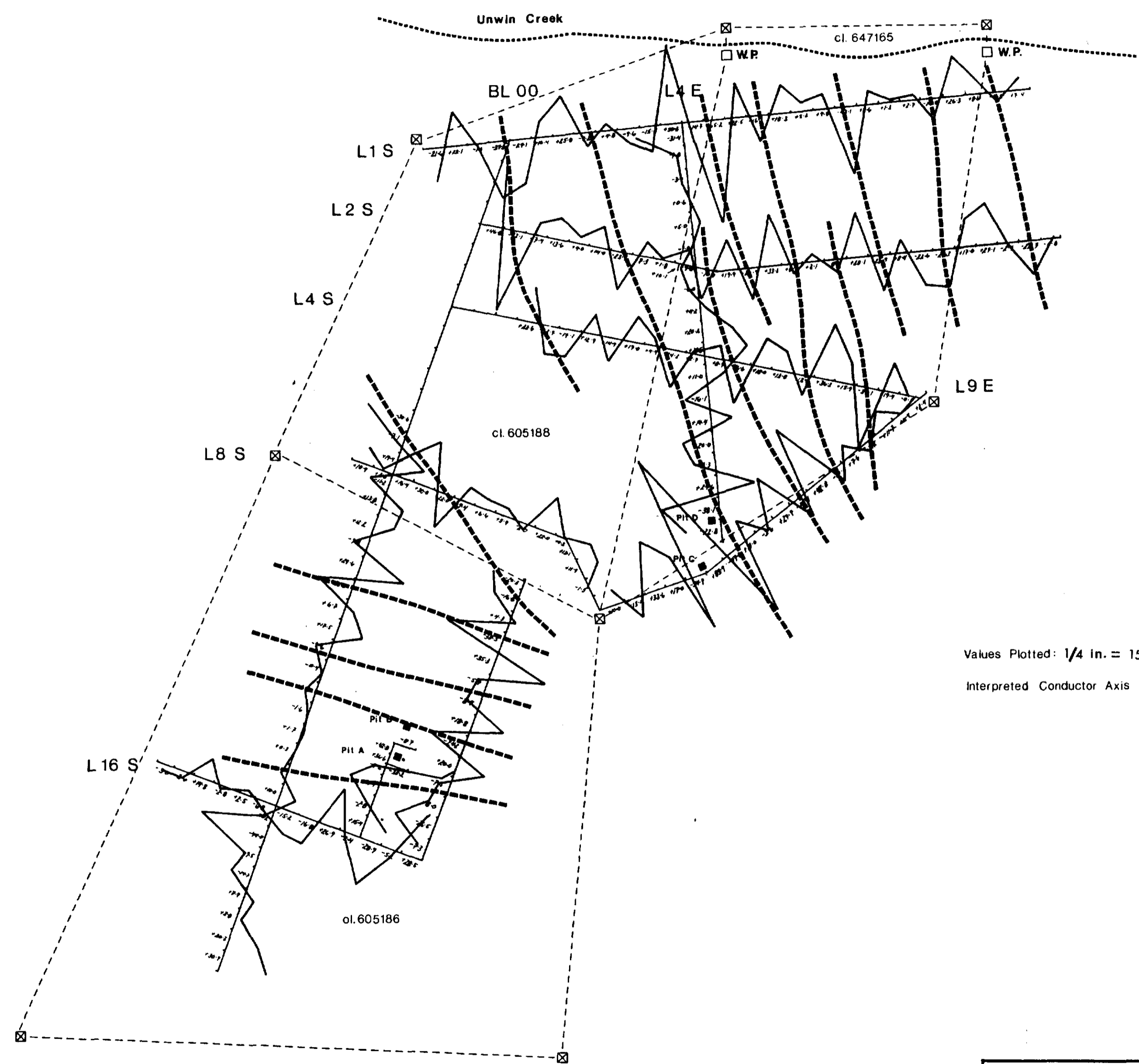


Actual Values Plotted + 58,000 gammas
 Gamma Contours : 100 ———
 500 ———

CHICAULT. GOLD - COBALT PROSPECT UNWIN TWP. LARDER DIS. ONT.		
SCALE: 1/4" = 50'	APPROVED BY:	DRAWN BY G-TS
DATE: 15 AUG 1983		REVISED
MAGNETOMETER SURVEY		SHARP MFI-1 FLUXGATE
ART ELLIOTT EXPLORATION		DRAWING NUMBER 2



26102



Values Plotted: 1/4 in. = 15 mv. DC.
 Interpreted Conductor Axis ———

CHICAULT GOLD-COBALT PROSPECT UNWIN TWP. LARDER DIS. ONT.		
SCALE: 1/4" = 50'	APPROVED BY: <i>Art Elliot</i>	DRAWN BY G-TS
DATE: 15 Aug. '83		REVISED
SELF POTENTIAL SURVEY		SIMPSON 483 DIGITAL MULTIMETER .0001 MV
ART ELLIOT EXPLORATION		DRAWING NUMBER 1

