



42A06NE1452 2.4521 SHAW

010

GEOPHYSICAL SURVEY

on the

SHAW #1 GROUP

Shaw Township, Ontario

Hollinger Argus Limited

RECEIVED

FEB 9 1982

MINING LANDS SECTION

Timmins, Ontario
February 3, 1982

J.E. Mountjoy



42A06NE1452 2.4521 SHAW

010C

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 FIGURE 1. (Location Map)	 5
 MAGNETIC SURVEY MAP, SHAW No. 1, Scale 1:2400 (1 inch = 200 feet).....	 (back pocket)

INTRODUCTION

Line cutting was carried out during the period May 5 to June 20, 1980 over 43 contiguous claims in Shaw Township, District of Cochrane, in the Porcupine Mining Division, Province of Ontario.

An electromagnetic survey was filed for assessment credits on October 27, 1980. A ground magnetic survey, covering 30 of the 43 claims comprising the Shaw #1 Group, was filed for assessment credits October 22, 1981. Both of the afore-mentioned surveys were filed by Hollinger Argus Limited.

During the period February 27 - December 9, 1981, a ground magnetic survey was carried out over 13 contiguous claims in Shaw Township.

PROPERTY, LOCATION and ACCESS

The 13 contiguous claims, covered by this survey, make up a portion of the Shaw #1 Group. The claims are located in lots 4 and 5 in Concessions IV and V of the surveyed portion of Shaw Township.

The claims are located approximately 12 miles S.E. of the city of Timmins and can be reached by car on an all-weather road from South Porcupine.

TOPOGRAPHY

The claims are situated in a hilly outcrop area with local swamp and sand cover. Numerous logging roads extend over part of the claim group.

GEOLOGY

The chief outcrop is pillowed and amygdaloidal andesite locally bleached and carbonatized. Numerous narrow iron formations are known to outcrop along the entire length of the claim group.

Local diabase dykes and intrusives such as diorite and porphyry are present on the claim group.

Most of the formations strike northwest and dip 20°-45° southeast. These rocks appear to be part of the Shaw domal structure.

SURVEY METHOD

Using a Geometrics G-816 Proton magnetometer, readings were taken at 25-meter intervals along existing grid lines which were cut at 120-meter intervals.

Repeated base stations were established along the base line and tie lines at the intersections with the cross lines. Loops were then read between the bases and the drift applied to all the readings. The operators were D. Laforest and G. Tremblay, both of the city of Timmins in the province of Ontario.

SURVEY RESULTS

Results of the survey are plotted and contoured on the accompanying map entitled "Magnetic Survey, Shaw No. 1" at a scale of 1:2400 (1 inch = 200 feet).

With a background of 59,000 gammas, the magnetic relief varies between minus 1396 (57,604) and plus 11,171 (70,171) gammas.

As a result of the magnetic survey, sixteen anomalies have been outlined. The anomalies are numbered 1 - 16.

Anomalies 1-15 inclusive are interpreted to be caused by magnetite-rich siliceous iron formation found in the mafic to intermediate metavolcanics of the Deloro group.

Anomalies 1, 3, 4 and 13 are characterized by two anomalously high readings in close proximity to one another.

Anomalies 2, 8, 9, 10, 11, 12, 14 and 15 are similar in that they appear to represent very local concentrations of magnetite in lensoid iron formations.

Anomalies 5, 6 and 7 are larger and more strongly magnetic than the others. These anomalies are thought to be an extension of a larger unit of iron formation striking south-east and continuing to the Shaw-Carman township boundary. The peculiar shape the three anomalies (5, 6 and 7) trace out could be representative of a drag fold structure in the larger iron formation unit.

Anomaly 16 is interpreted to represent metamorphosed ultramafic intrusive rocks, possibly truncated at the west end by a northwest trending fault.

On the map entitled "Timmins Area, Districts of Cochrane and Timiskaming" (P.941, 1974), D.R. Pyke shows a body of metamorphosed mafic intrusive rocks. From our magnetic survey the mafic intrusive is not clearly defined.

CONCLUSIONS and RECOMMENDATIONS

The survey has successfully outlined ultramafic and iron formation units and their extent under the overburden. The survey, however, has left some doubt as to the existence of the mafic intrusive unit found on Pyke's map of the Timmins area.

Semi-detailed prospecting of the iron formation and ultramafic units should be carried out in the summer field

season. This work, along with magnetic and electromagnetic surveys carried out in the past two years, will aid in the screening of targets for diamond drilling.

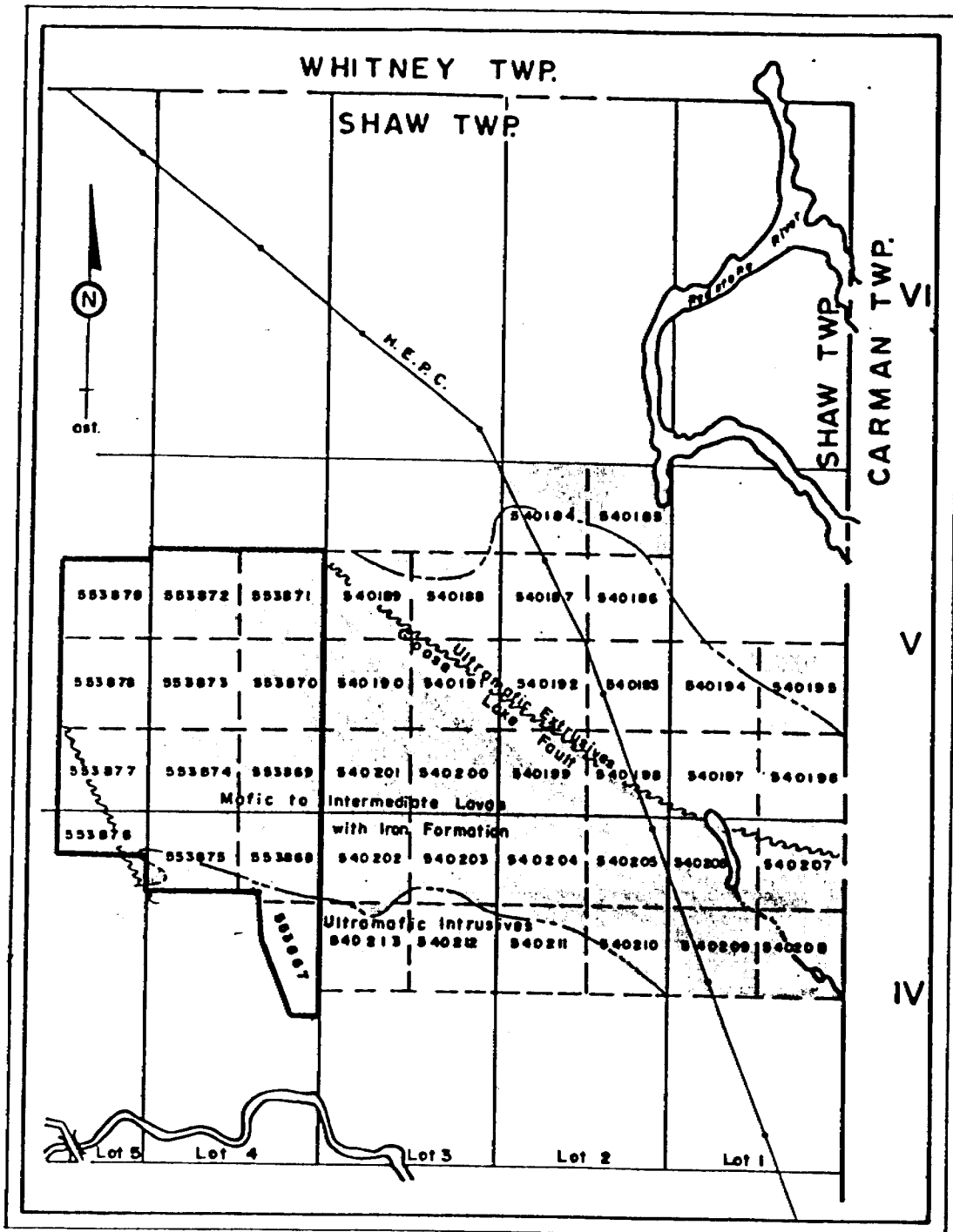
Respectfully submitted,



J. E. Mountjoy.

quest on file 2.3975

February 3, 1982.



Scale : 1 inch to 40 chains

FIG. No. 1

ASSESSMENT WORK DETAILS



900

Type of Survey Geophysical-Magnetic
A separate form is required for each type of

Township or Area Shaw Township

Chief Line Cutter
or Contractor _____
Name _____
Address _____

Party Chief Denis Laforest
Name _____

P.O.Box 320, Timmins, Ont. P4N 7E2
Address _____

Consultant _____
Name _____

Address _____

Geological field mapping by _____
Name _____

Address _____

MINING CLAIMS TRAVERSED
List numerically

- P. 553867 ✓
- P. 553868 ✓
- P. 553869 ✓
- P. 553870 ✓
- P. 553871 ✓
- P. 553872 ✓
- P. 553873 ✓
- P. 553874 ✓
- P. 553875 ✓
- P. 553876 ✓
- P. 553877 ✓
- P. 553878 ✓
- P. 553879 ✓

If space insufficient, attach list

COVERING DATES

Line Cutting _____

Field Feb. 27, 1981 to Dec. 9, 1981
Instrument work, geological mapping, sampling etc.

Office Jan. 15, 1982 to Feb. 5, 1982

INSTRUMENT DATA

Make, Model and Type Geometrics G-816 Proton Mag.

Scale Constant or Sensitivity 1 gamma
Or provide copy of instrument data from Manufacturer's brochure.

Radiometric Background Count 59000

Number of Stations Within Claim Group 749

Number of Readings Within Claim Group 738

Number of Miles of Line cut Within Claim Group _____

Number of Samples Collected Within Claim Group _____

TOTAL CLAIMS 13

CREDITS REQUESTED

20 DAYS per claim 40 DAYS per claim ----- Includes
(Line cutting)

Geological Survey

Geophysical Survey Show
Check ✓

Geochemical Survey

DATE Feb. 3, 1982 SIGNED J.P. [Signature]

Send in Duplicate to:
FRED W. MATTHEWS
SUPERVISOR-PROJECTS SECTION
DEPARTMENT OF MINES &
NORTHERN AFFAIRS
WHITNEY BLOCK
QUEEN'S PARK
TORONTO, ONTARIO

SUBMISSION OF GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL SURVEYS
AS ASSESSMENT WORK

In order to simplify the filing of geological, geochemical and ground geophysical surveys for assessment work, the Minister has approved the following procedure under Section 84 (8a) of the Ontario Mining Act. This special provision does not apply to airborne geophysical surveys.

If, in the opinion of the Minister, a ground geophysical survey meets the requirements prescribed for such a survey, including:

- (a) substantial and systematic coverage of each claim
- (b) line spacing not exceeding 400 foot intervals
- (c) stations not exceeding 100 foot intervals or
- (d) the average number of readings per claim not less than 40 readings

it will qualify for a credit of 40 assessment work days for each claim so covered. It will not be necessary for the applicant to furnish any data or breakdown concerning the persons employed in the survey except for the names and addresses of those in charge of the various phases (linecutting contractor, etc.). It will be assumed that the required number of man days were spent in producing the survey to qualify for the specified credit.

Each additional ground geophysical survey using the same grid system and otherwise meeting these requirements will qualify for an assessment work credit of 20 days.

A geological survey using the same grid system, and meeting the requirements for submission of geological surveys for maximum credits will qualify for an assessment work credit of 20 days. If line cutting has not previously been reported with any other survey and is reported in conjunction with the geological survey a credit of 40 days per claim will be allowed for the survey.

Similarly, a geochemical survey using the same grid system with the average number of collected samples per claim being not less than 40 samples, and meeting the requirements for the submission of geochemical surveys for maximum credits, will qualify for an assessment work credit of 20 days. If line cutting has not previously been reported with any other survey and is reported in conjunction with the geochemical survey a credit of 40 days per claim will be allowed for the survey.

Credits for partial coverage or for surveys not meeting requirements for full credit will be granted on a pro-rata basis.

If the credits are reduced for any reason, a fifteen day Notice of Intent will be issued. During this period, the applicant may apply to the Mining Commissioner for relief if his claims are jeopardized for lack of work or, if he wishes, may file with the Department, normal assessment work breakdowns listing the names of the employees and the dates of work. The survey would then be re-assessed to determine if higher credits may be allowed under the provisions of subsections 8 and 9 of section 84 of the Mining Act.

If new breakdowns are not submitted, the Performance and Coverage credits are confirmed to the Mining Recorder at the end of the fifteen days.

Recorded Holder HOLLINGER ARGUS LIMITED
Township or Area SHAW TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer <u>20</u> _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological _____ days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<p>P 553867 to 79 inclusive</p>

Special credits under section 86 (15a) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:

Mining Lands Comments

To: Geophysics *Mr. Barber.*

Comments		
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date <i>Oct 27/82</i> Signature <i>Ryan Barber</i>

To: Geology - Expenditures

Comments		
<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date Signature

To: Geochemistry

Comments		
<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date Signature

LD

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1982 02 18

2.4521

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Magnetometer) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims P 553867 et al in the Township of Shaw.

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

J. Skura/amc

cc: Hollinger Argus Ltd.
Timmins, Ontario
Attn: Denis Laforest



Ontario

P-553867

Ministry of Natural Resources

Notification of recording of assessment work credits

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

RECEIVED
DEC 21 1981
MINING LANDS SECTION

Date of recording of work: December 11, 1981
Recorded holder: Hollinger Argus Ltd.
Address: P.O. Box: 320 Timmins, Ontario
Township or Area: SHAW TOWNSHIP

Table with 2 columns: Type of survey and number of Assessment days credit per claim, Mining claims. Includes rows for Geophysical (Electromagnetic, Magnetometer, Radiometric, Induced polarization, Section 77 19), Geological, and Geochemical. Includes checkboxes for Man days, Airborne, Special provision, and Ground.

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Signature of Mining recorder
Regional Mining Recorder
c.c. Hollinger Argus Ltd.

HOLLINGER ARGUS LIMITED

P.O. BOX 320
TIMMINS, ONTARIO P4N 7E2

TELEPHONE: (705) 264-1313

February 5, 1982.

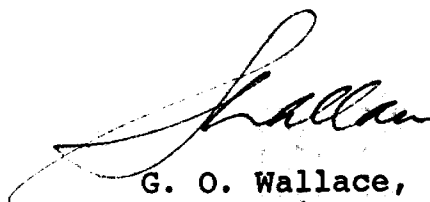
Mr. E.F. Anderson,
Director, Lands Administration Branch,
Ministry of Natural Resources,
Whitney Block, Room 6450,
Queen's Park,
TORONTO, Ontario.
M7A 1W3

Dear Sir:

Re: 13 Claims - P.553867 et al,
Shaw Township

Enclosed please find duplicate copies of
a report and technical data statement on the above
13 claims.

Sincerely,



G. O. Wallace,
Exploration Department.

Encls.

RECEIVED

FEB 9 1982

MINING LANDS SECTION

2.4521

1983 01 11

2.4521

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geophysical (Magnetometer) Survey on Mining Claims
P 553867 et al in the Township of Shaw.

The Geophysical (Magnetometer) Survey assessment work credits
as shown on the attached statement 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
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

Encls:

cc: Hollinger Argus Limited
Timmins, Ontario
Attn: Denis Laforest.

cc: Resident Geologist
Timmins, Ontario

MAP SYMBOLOLOGY

Aerial Cableway	Pipeline (above ground)
Boundary	Railroad
International	Single Track
District, Township Indian Reserve	Double Track
Approximate	Ascented
Lot, Concession	Unstable
Approximate	Road
Post Boundary	Highway, County Township
Bridge	Access (road of doubtful maintenance or significant driveway)
Build, Railroad	*Rail, Bush Road (Sprague Alley)
Building	Rapids
Chimney	Double line river with multiple rapids
Cliff, Pit, Pile	Double line river with multiple rapids
Contours	Interpretation
Interpretation	Approximate
Approximate	Depression
Control Points	River, Stream, Canal
Horizontal 0.0177601	Approximate
Vertical 0.300022	Direction of flow
Culvert	Rock
Falls	Spot Elevation (1000 elevations)
Double line river	Tower
Fence, Hedge, Wall	Transmission Line
Feature Outline (Construction Features, etc.)	Pole
Flooded Land	Tunnel
Lock	Utility Pole
Marsh or Swamp	Wharf, Dock, Pier
Moat	Wooded Area
Mine Head Frame	
Outcrop	

AREAS WITHDRAWN FROM DISPOSITION

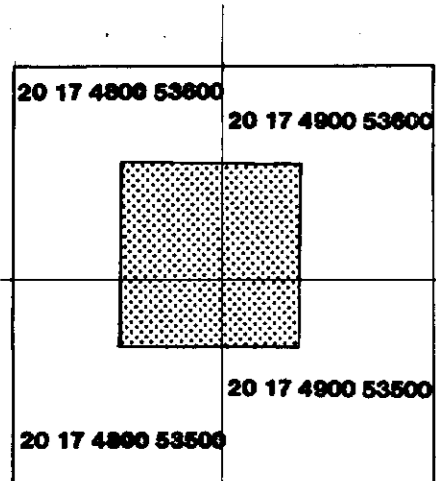
S.R. - SURFACE RIGHTS		M.R. - MINING RIGHTS	
Description	Order No.	Date	Disposition File
Rec. Prop.	Sec 3 P.L.A.	18/12/77	189543
	W. 97/77	18/12/77	S.R.O. 86655

SAND AND GRAVEL

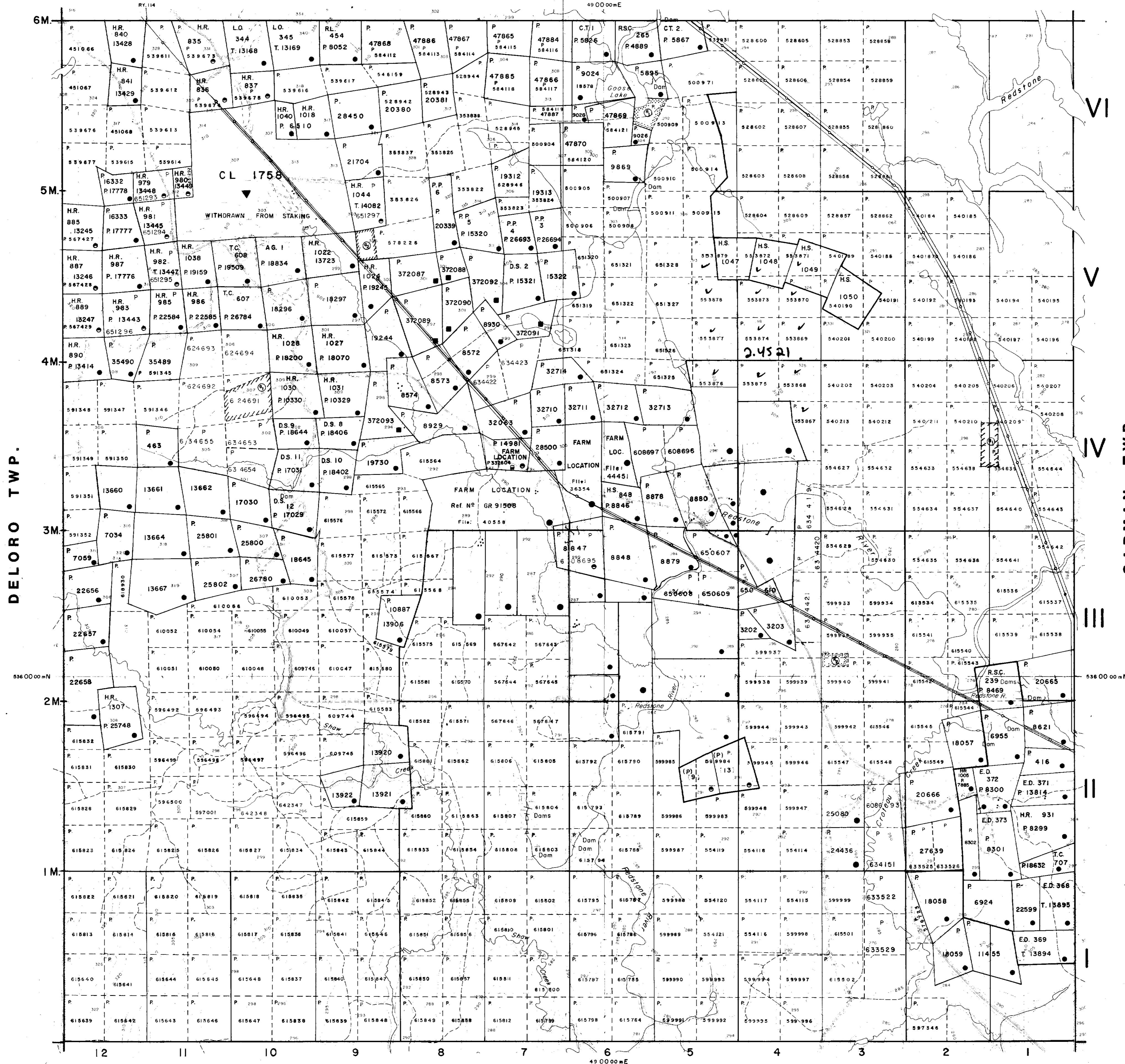
GRAVEL	53666
GRAVEL	68760

KEY PLAN

For O.B.M. Map



WHITNEY TWP.



ELDORADO TWP.

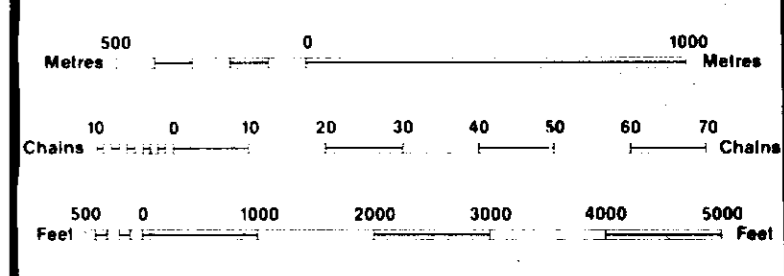
LEGEND

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 OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKIEG	
MINES	
TRAVERSE MONUMENT	

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	◑
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊘
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



DATE OF ISSUE
NOV 29 1982
Ministry of Natural Resources
TORONTO

TOWNSHIP
SHAW
M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

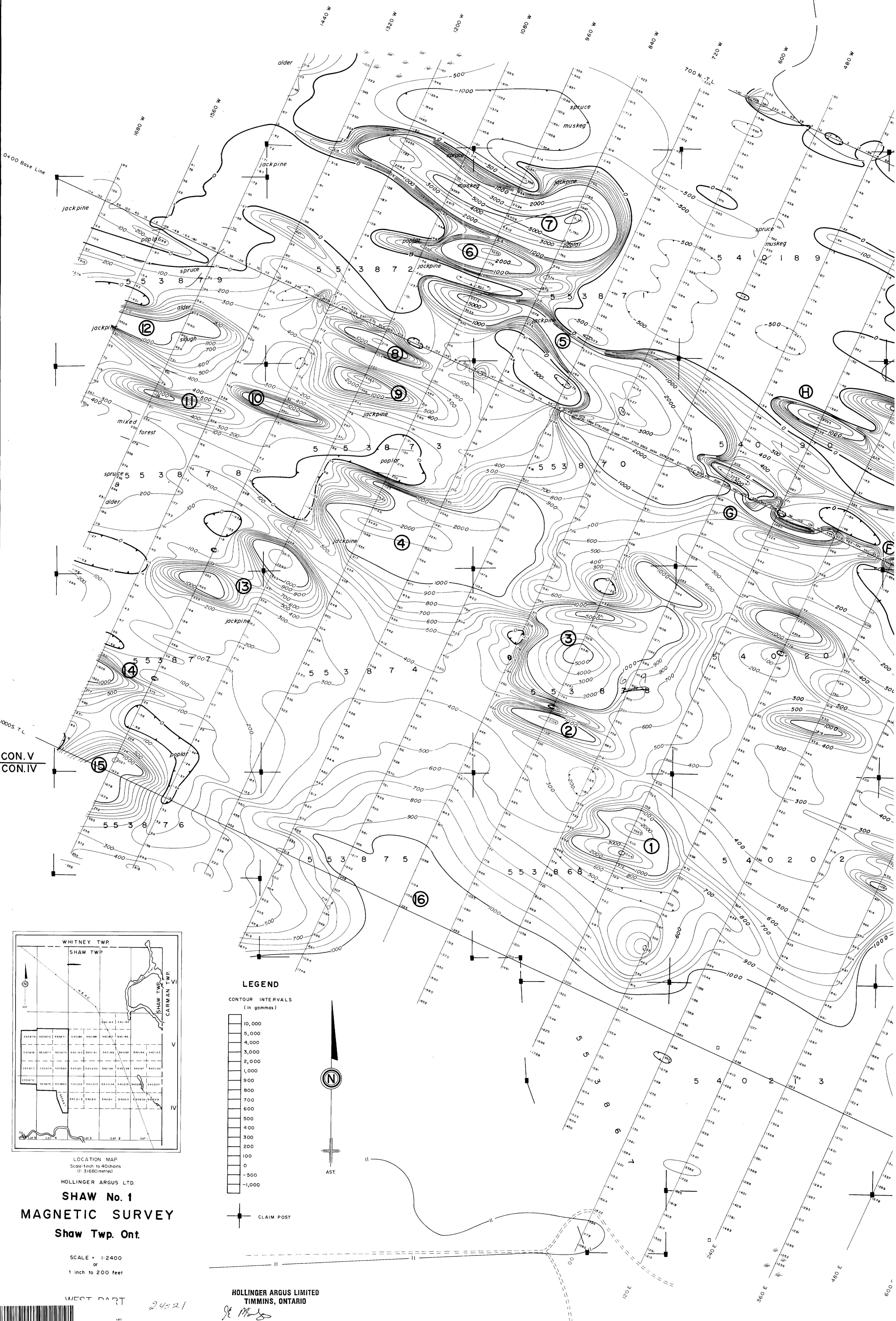
Ministry of Natural Resources
Land Management Branch
Ontario

Date 1981 Number **G-3999**

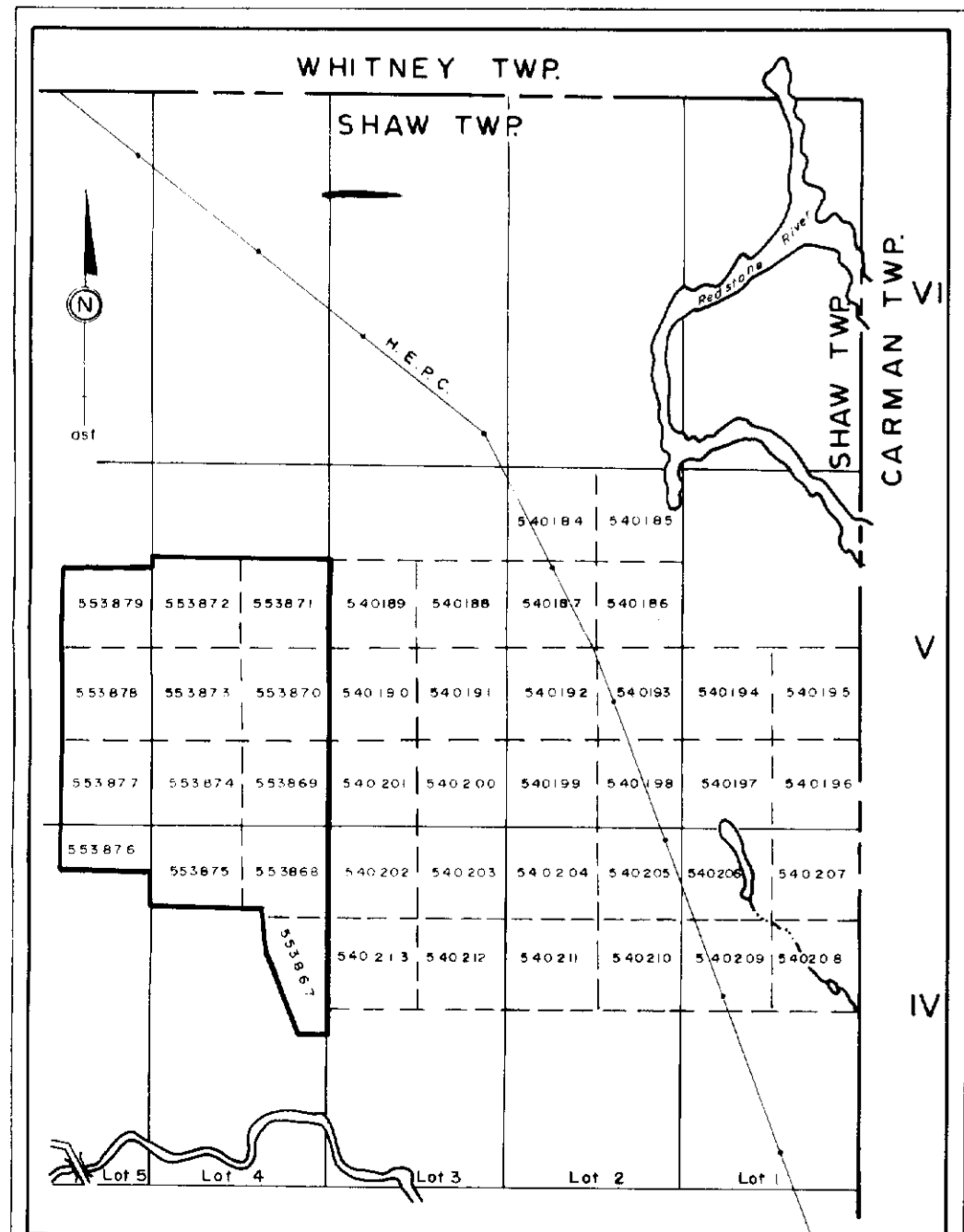
LOT 5 | LOT 4

LOT 4 | LOT 3

CON. VI
CON. V



CON. V
CON. IV

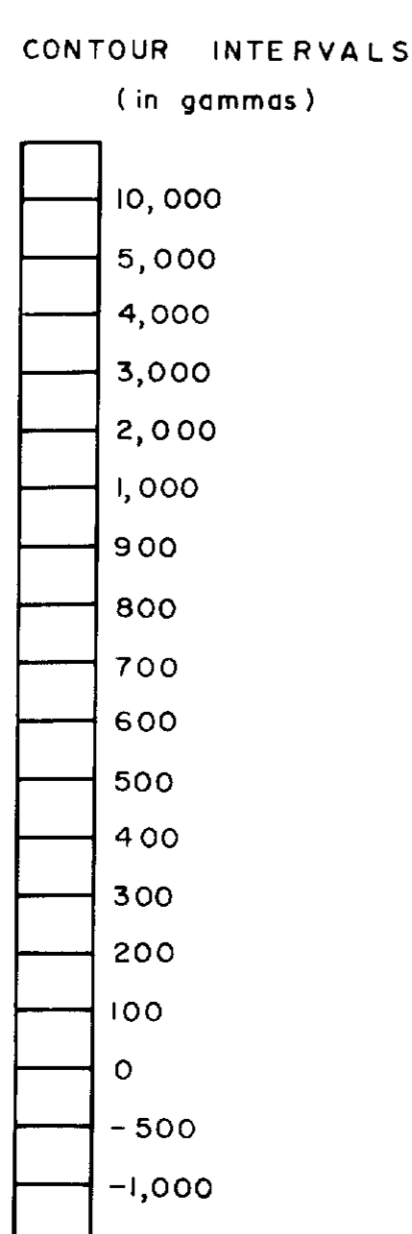


HOLLINGER ARGUS LTD.

SHAW No. 1 MAGNETIC SURVEY Shaw Twp. Ont.

SCALE • 1:2400
or
1 inch to 200 feet

LEGEND



CLAIM POST



AST.

HOLLINGER ARGUS LIMITED
TIMMINS, ONTARIO

JE M...



210

LOT 4 | LOT 3

LOT 3 | LOT 2

