

42A07NE0212 2.2115 EGAN

2-2-115

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MAY 17 1976

PROJECTS UNIT,

MORIN - LAROCHE CLAIM GROUP

EGAN & TIMMINS TWPS. ONT.

G E O P H Y S I C A L S U R V E Y S

E. Chartré

September 1975



ELEVATIONS IN FEET

Copies may be obtained from the Map Distribution Office,
Department of Energy, Mines and Resources, Ottawa.

I - INTRODUCTION:

Geophysical surveys were carried out during the months of August and September 1975 on the MORIN-LAROCHE claim group in order to complement the geological data and to outline any geophysical targets for further exploration.

II - PROPERTY:

The claim group under consideration is part of the old "BLANCHET-PORCUPINE PROPERTY" and consists of the following claims:

- L 429927 P 429928 P 429929 L 429930
- P 429931 P 429932

The property is presently under the ownership of Roland Morin and Marc Larouche.

III - LOCATION & ACCESSIBILITY:

The 8 claim group straddles the boundaries of Egan and Timmins Twps. and is located at approximately 2.5 miles north of Lipset Lake.

The property is readily accessible via the Gibson Lake road which leads south from highway 101 at a point 8 miles west of Shillington.

IV - GEOPHYSICAL SURVEYS:

A - Introduction:

Magnetic and electromagnetic surveys were carried out on a grid whose 2,200' long base line strikes 117. Cross lines occur at every 400' intervals. Readings were taken at every ~~400'~~^{50'} intervals.

B - Magnetometer Survey:

A McPhar M-700 fluxgate magnetometer was used for the survey. The base station is located at 0 + 00 on the base line

C - Electromagnetic Survey:

A McPhar V.H.E.M. 660 unit was employed for the E.M. survey, as a vertical loop in the parallel line method with a 400' coil separation.

V - CONCLUSIONS:

No electromagnetic conductors were outlined.

The magnetic data broadly outlines geological trends more or less parallel to the base line as confirmed by the geological survey.

Three strong anomalies occur on XL 2E between 3+00S and

12+00 S.

The limited number of outcrops within the area indicates the presence of swarms of diabase dykes which strike approximately north-south; their presence obliterate or mar the magnetic patterns of the host country rocks; meaningful interpretation of the geophysical data is thus difficult.

VI - RECOMMENDATIONS:

In order to obtain accurate geological interpretations more detailed geophysical surveys are required, i.e. surveys carried out on cross lines at every 100' intervals.

Respectfully submitted by: Edouard Chartré B.A., B.Sc.

Edouard Chartré

SERVICES EXPLORATION SERVICES ENRG. REG'D.

TELEPHONE: (819) 762-5498

84 RUE GATINEAU STREET
MONTRÉAL, QUÉ., CANADA
J9X 1N1

E. A. CHARTRE, B.A., B.S.C.
PIERRE GERVAIS, TECHNOLOGUE - TECHNOLOGIST

Jalonnement de Claims
Coupage de Lignes
Levés Géophysiques
Levés Géologiques
Programmes d'Exploration

Claim Staking
Line Cutting
Geophysical Surveys
Geological Surveys
Exploration Programmes

In account with:

GOOD EARTH CORPORATION LTD.

LINE CUTTING & GEOPHYSICAL SURVEYS - EGAN & TIMMINS TWPS. ONT.

AUGUST - SEPTEMBER 1975.

LINE CUTTING:

7.4 mi. @ \$190.00 per mi.

\$ 1,337.60

MAGNETOMETER SURVEY:

McPhar M-700 fluxgate magnetometer

5.9 mi. @ \$60.00 per mi.

\$ 354.00

ELECTROMAGNETIC SURVEY:

5.36 mi. @ \$80.00 per mi.

\$ 428.80

McPhar V.H.E.M. vertical loop

\$ 2,120.40

E.A. Chartre:

Sept. 11, 1975

2.2115



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VED

GEOLOGICAL REPORT

MAY 17 1976

PROJECTS UNIT.

In August and September 1975, a geological survey was made on a property held by Mr. Roland Morin and Mr. Marc Larouche. The survey covered six unpatented claims situated in Egan and Timmins Townships. The property is reached by a bush road, 2.5 miles north of Lipsett Lake, Timmins Township. Lipsett Lake is reached through Gibson Lake road, at a point 8 miles west of Shillington off highway 101 to Timmins (20 miles from highway to Lipsett Lake).

I. Overburden + cover

The general area situated west of the claims consists of a "sand plain" covered with "jackpines". East of the claims, a swamp extends for more than a mile in North and East directions.

The overburden on the property consists of a mixture of sandy gravel at the edges of outcrop zones, and silt clay in depressions. The thickness is probably weak.

The cover is mainly spruce, but extensive logging operations left many open areas; spruce is now restricted mainly to outcrop zones. Low and humid ground contains cedar

and alders as a dense mixture.

II. Past works

Drilling and pits have been sunk on the adjacent patented claims P 34452 and P 34453, but almost no works has been done on the six unpatented claims covered by this survey. No evidence of drilling or geophysical or geological work was found in the field or in government mining offices. One trench only was found in the northwest part of claim L 429927 in Egan Township; it intersected pyrite seams in basic volcanics.

III. Geology

The oldest rocks in the area consist of basic to intermediate volcanics of Keewatin type belonging to the Kinojevis group as defined by Jensen and Pyke (1). Related tuffs are also present.

All the pillowed volcanics found on the property and outside (1 mile northwest) face north and show strong deformation (two to three phases of deformation). The average direction of bedding and main deformation is 120° . A quartz diorite plug intrudes these volcanics and is situated on claim P 429929 (see magnetic map for contour).

The volcanics are intruded by acid porphyries of different types (generally of small width) going from feldspar

to feldspar-quartz porphyries of different grain sizes. Hornblende is usually the predominant mafic constituent.

The above rocks were then intruded by a diabase dyke swarm (Matachewan type) of average direction 170° and vertical dip. These dykes are numerous on the property, causing considerable magnetic attraction at different localities.

These diabase dykes are intruded by small intermediate aphanitic dykes having an average direction of 170° and vertical dip.

The mineralized zones are weak and discontinuous and consist of pyrite and carbonate seams, or disseminated pyrite in volcanics. Magnetite is probably present in many places above the diabase contacts. Small unmineralized quartz veins (1" to 3") are present locally in volcanics, on strike with the main schistosity.



Marc Larouche, M.Sc. (geology)

September 23rd 1975
73 Georges
Noranda, P.Q.
Tél: 1-819-762-7938

Jensen L.S. Ramore Area Report #16 (1975)
Ontario Ministry of Natural Resources.

(1)

Pyke D.R. Watabeag River Area Report #15 (1975)
Ontario Ministry of Natural Resources



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File 2.2115

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MAY 17 1976

PROJECTS UNIT

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 SURVEYS
 Township or Area EGAN & TIMMINS
 Claim Holder(s) Roland Morin & Marc Larouche
 Survey Company EXPLORATION SURVICES REG'D
 Author of Report E.A. Chartré
 Address of Author 84 Gatineau, Noranda, Qué
 Covering Dates of Survey August 19, 1975 - Sept 12, 1975
(linecutting to office)
 Total Miles of Line Cut 7 miles

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

I 429927

P 429928

P 429929

I 429930

P 429932

**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 40

--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: 10 / 9 / 75 SIGNATURE: E.A. Chartré
Author of Report or Agent

Res. Geol. L.D Qualifications 2.1415

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 5

If space insufficient, attach list

OUR OFFICE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 624 E.M 624 Mag Number of Readings 624 + 624
Station interval 100' Line spacing 400'
Profile scale 1" = 20 E.M.
Contour interval 1000 gammas

MAGNETIC

Instrument McPHAR M-700 fluxgate magnetometer
Accuracy - Scale constant 10 gammas
Diurnal correction method
Base Station check-in interval (hours) 1 - 4 hrs.
Base Station location and value B.L. 0+00 850 gammas

ELECTROMAGNETIC

Instrument McPHAR V.H.E.M. 660
Coil configuration V.L.
Coil separation 400'
Accuracy 1%
Method: [] Fixed transmitter [] Shoot back [] In line [x] Parallel line
Frequency 2,400 c.p.s. + 600 c.p.s. (specify V.L.F. station)
Parameters measured tilt angle

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



Ministry of Natural Resources

File 2.2/15

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

RECEIVED
MAY 17 1976
PROJECTS UNIT.

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) GEOLOGICAL
Township or Area EGAN + TIMMINS
Claim Holder(s) MARC LAROUCHIE
ROLAND MORIN
Survey Company _____
Author of Report MARC LAROUCHIE
Address of Author 73 GEORGE, NORANDA, P.O.
Covering Dates of Survey AUG. 20th - SEPT 20th
(linecutting to office)
Total Miles of Line Cut 7

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
<u>L</u>	<u>429927</u> ✓
<u>P</u>	<u>429928</u> ✓
<u>P</u>	<u>429929</u> ✓
<u>L</u>	<u>429930</u> ✓
<u>P</u>	<u>429932</u> ✓

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 _____
--Magnetometer _____
--Radiometric _____
--Other _____
Geological 20
Geochemical _____

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

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

DATE: APRIL 9th 76 SIGNATURE: Marc Larouche
Author of Report or Agent

Res. Geol. _____ Qualifications Nil

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 5

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy -- Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: Fixed transmitter Shoot back In line Parallel line

Frequency _____
(specify V.L.F. station)

Parameters measured _____

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 _____

2.2115

EGAN TOWNSHIP

DATE OF ISSUE

MAY 18 1976

SURVEYS AND MAPPING
BRANCH ONTARIO

LARDER LAKE MINING DIVISION

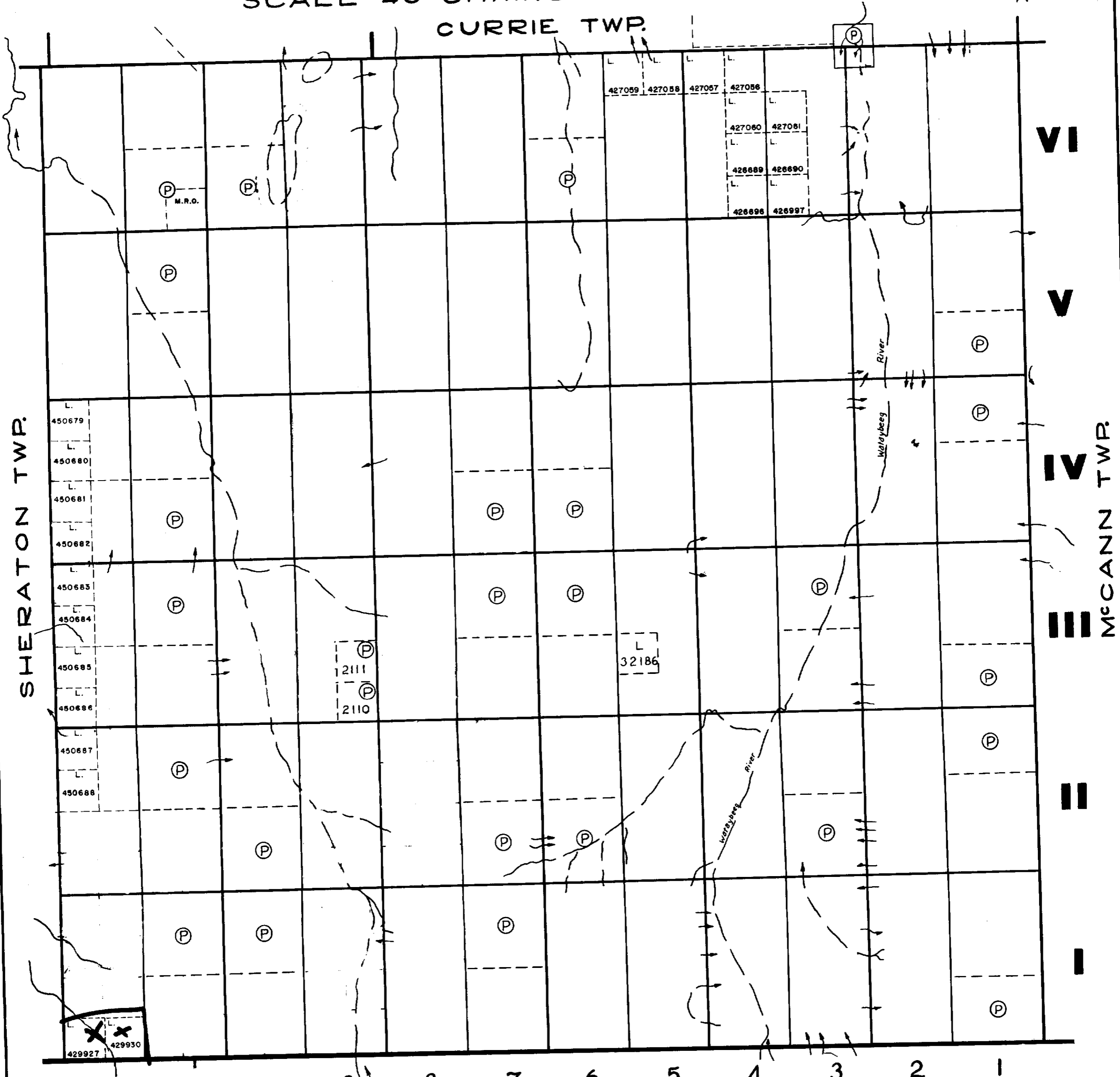
M.346



MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

DISTRICT OF COCHRANE

SCALE 40 CHAINS TO ONE INCH
CURRIE TWP.



SHERATON TWP.

VI

V

IV

III

II

I

McCANN TWP.

12

11

10

9

8

7

6

5

4

3

2

1

LEASES

McEVAY TWP.

400' Surface rights reservation around all lakes and rivers.

LEGEND

PATENTED LANDS (P)
 CROWN LAND SALES (S)

LICENSE OF OCCUPATION L.O.
 LOCATED LANDS Loc.



200

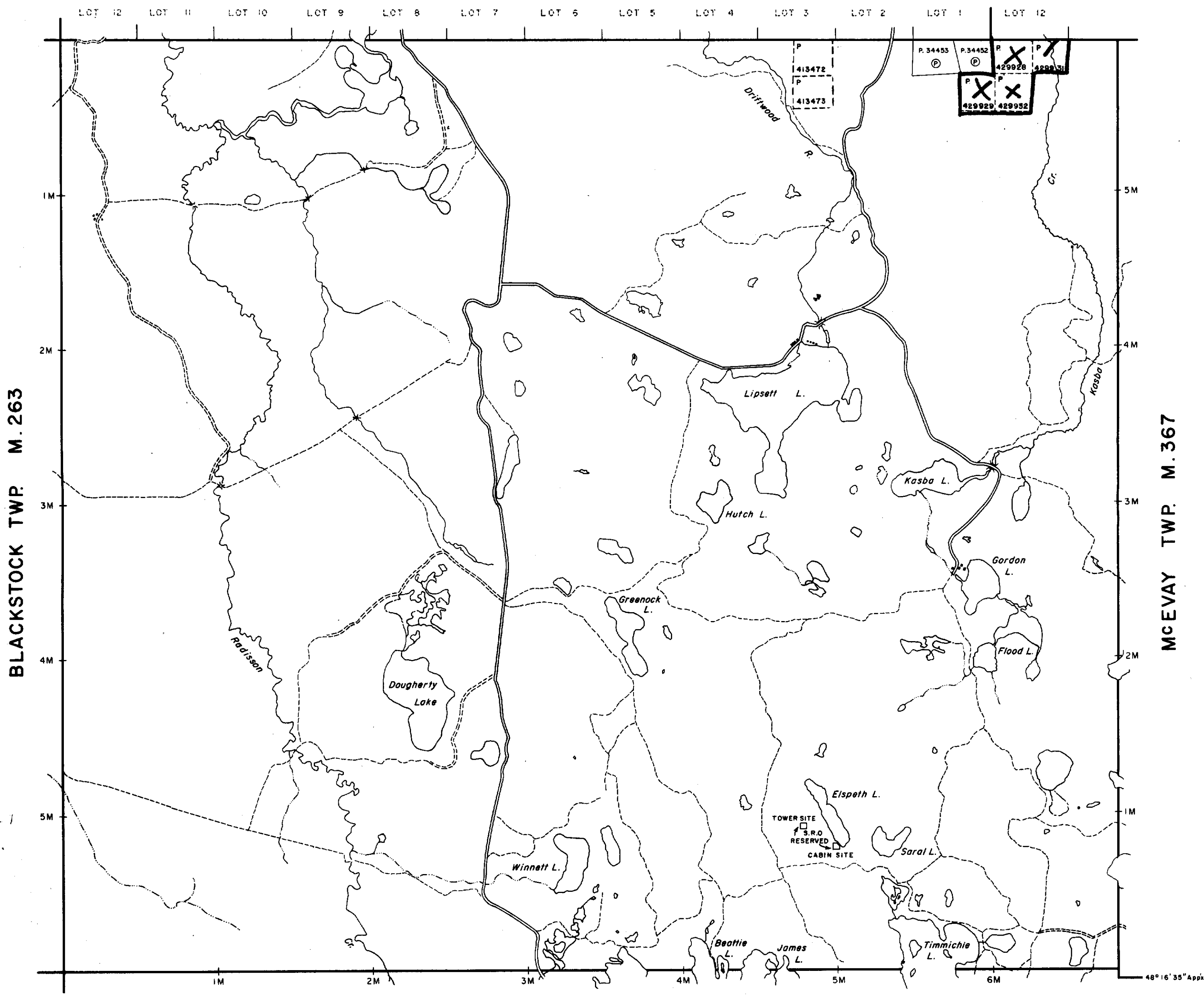
SHERATON TWP. M. 386

EGAN TWP.
M. 346

NOTES

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

DATE OF ISSUE
MAY 18 1976
SURVEYS AND MAPPING
BRANCH



BLACKSTOCK TWP. M. 263

MCEVAY TWP. M. 367

LEGEND

- PATENTED LAND
- PATENTED FOR SURFACE RIGHTS ONLY
- LEASE
- LICENSE OF OCCUPATION
- CROWN LAND SALES
- LOCATED LAND
- CANCELLED
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- HIGHWAY & ROUTE NO.
- ROADS
- TRAILS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES

*used only with summer resort locations or when space is limited

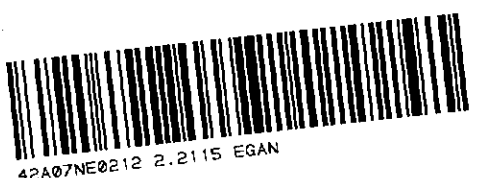
TOWNSHIP OF 2.2115

TIMMINS

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE : 1 INCH = 40 CHAINS (1/2 MILE)

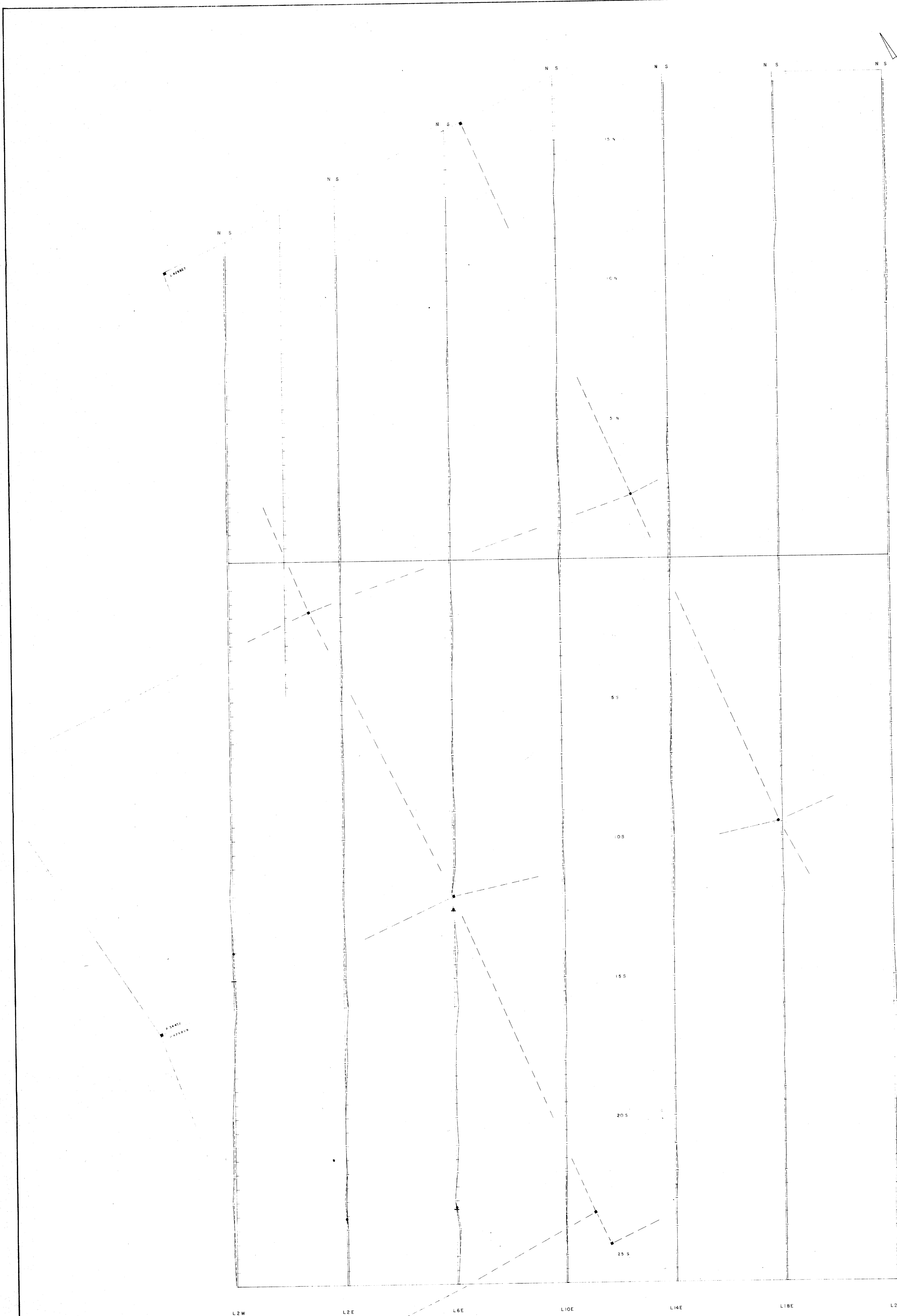


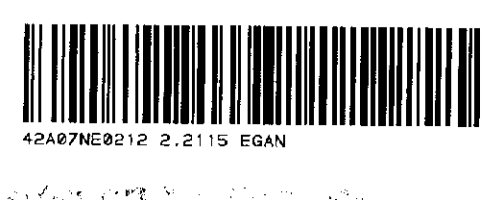
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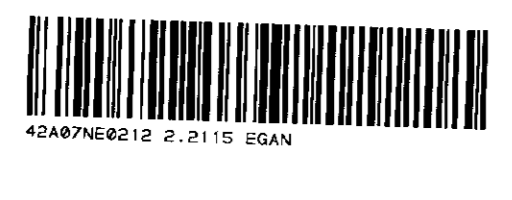
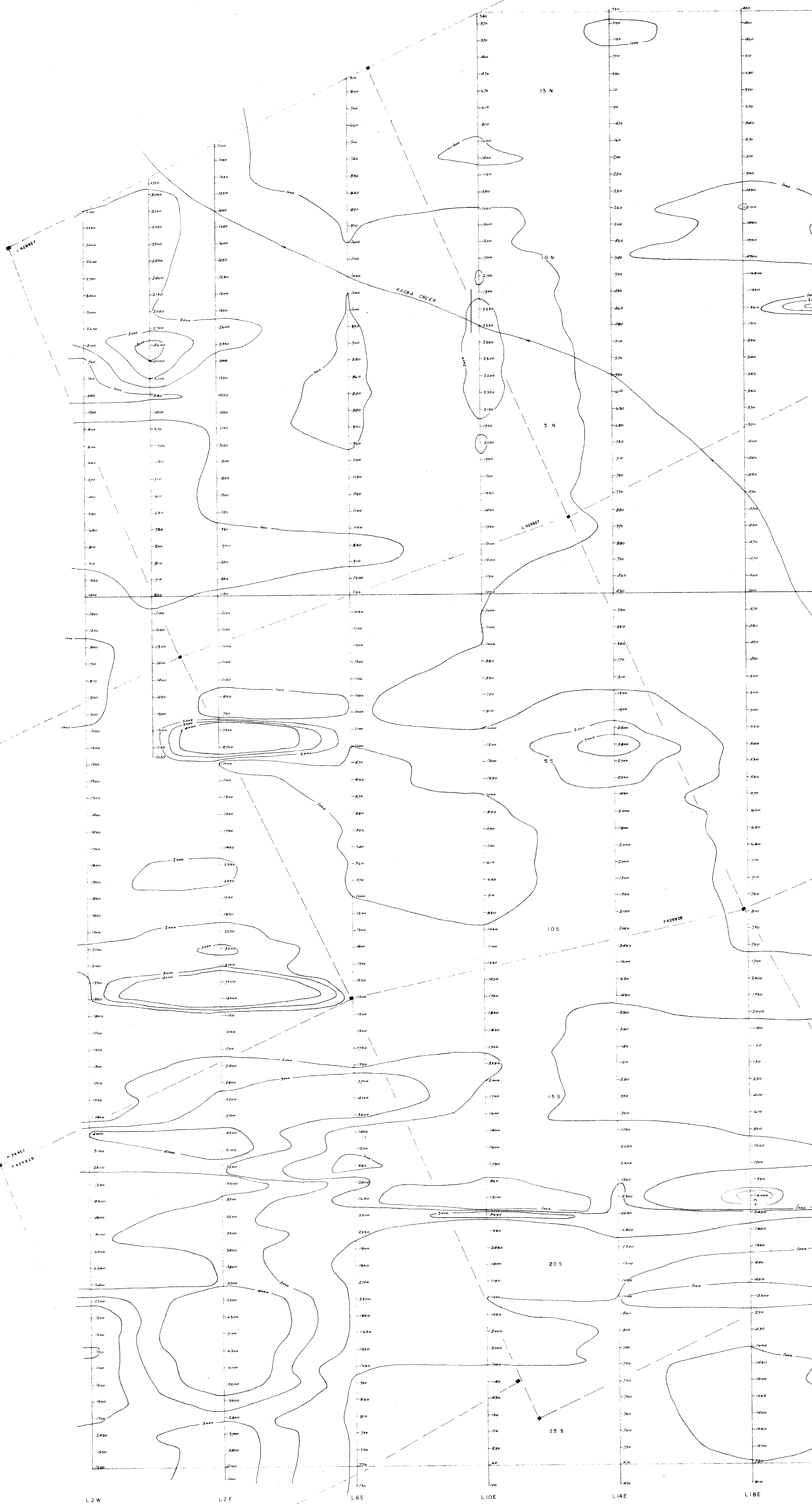
MICHIE TWP. M. 301

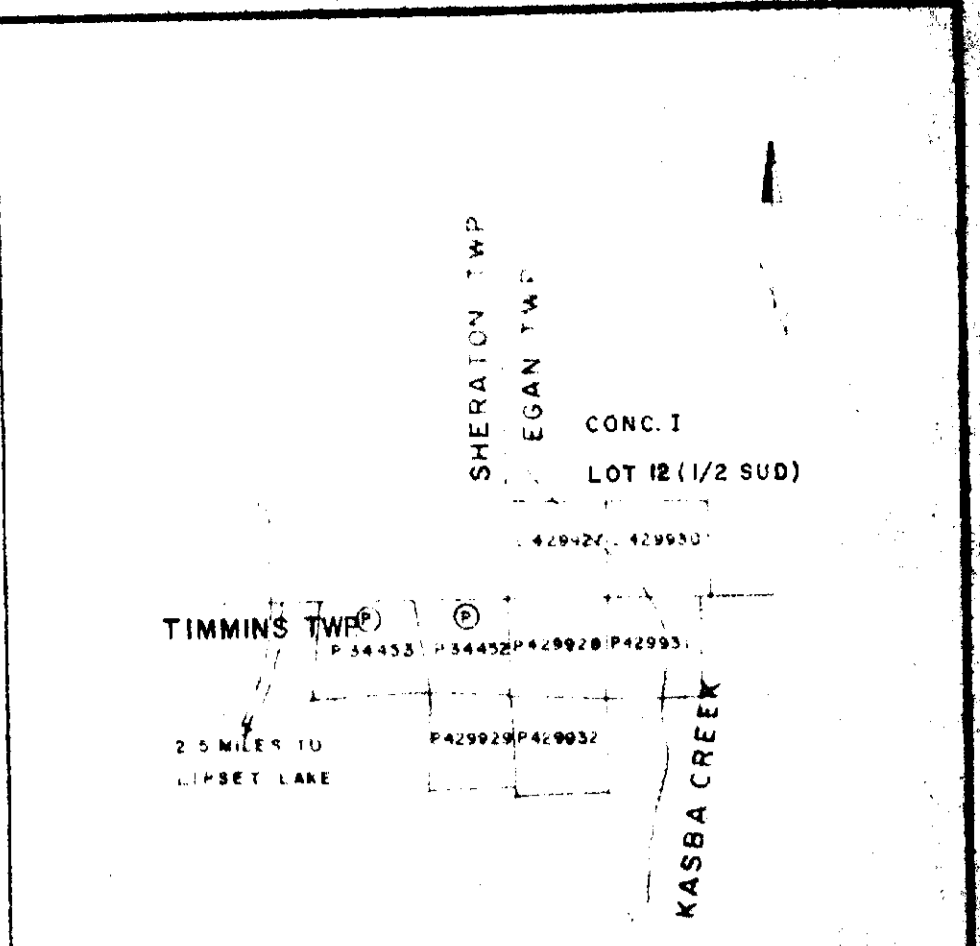
DR. C.V.T. PLAN NO. **M.314**
DATE MARCH '71

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

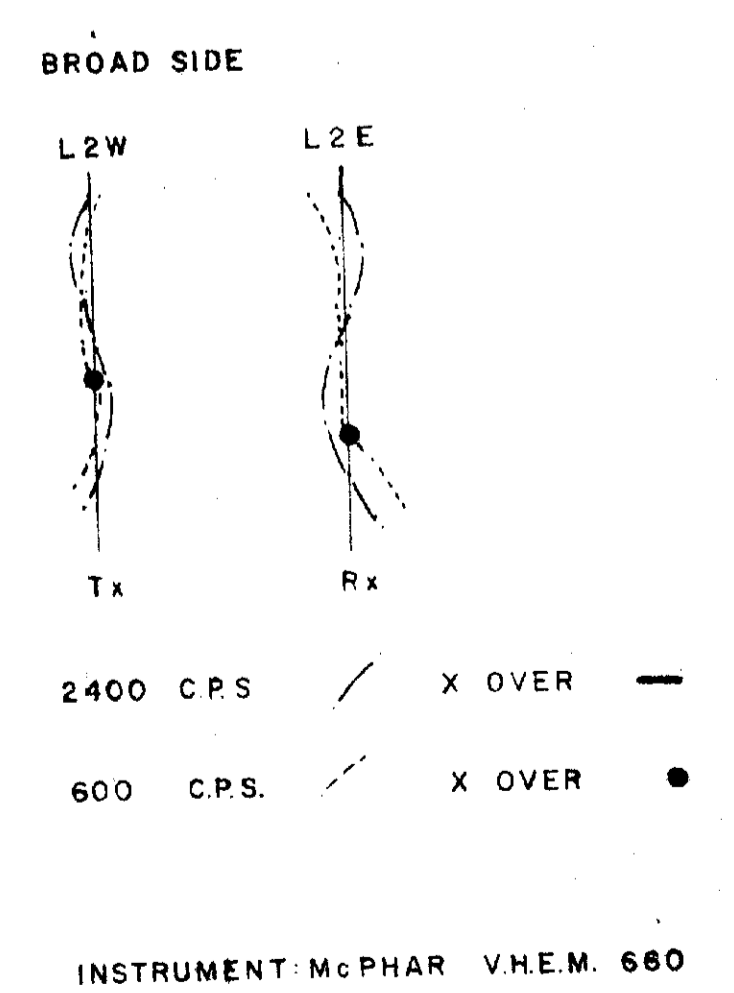
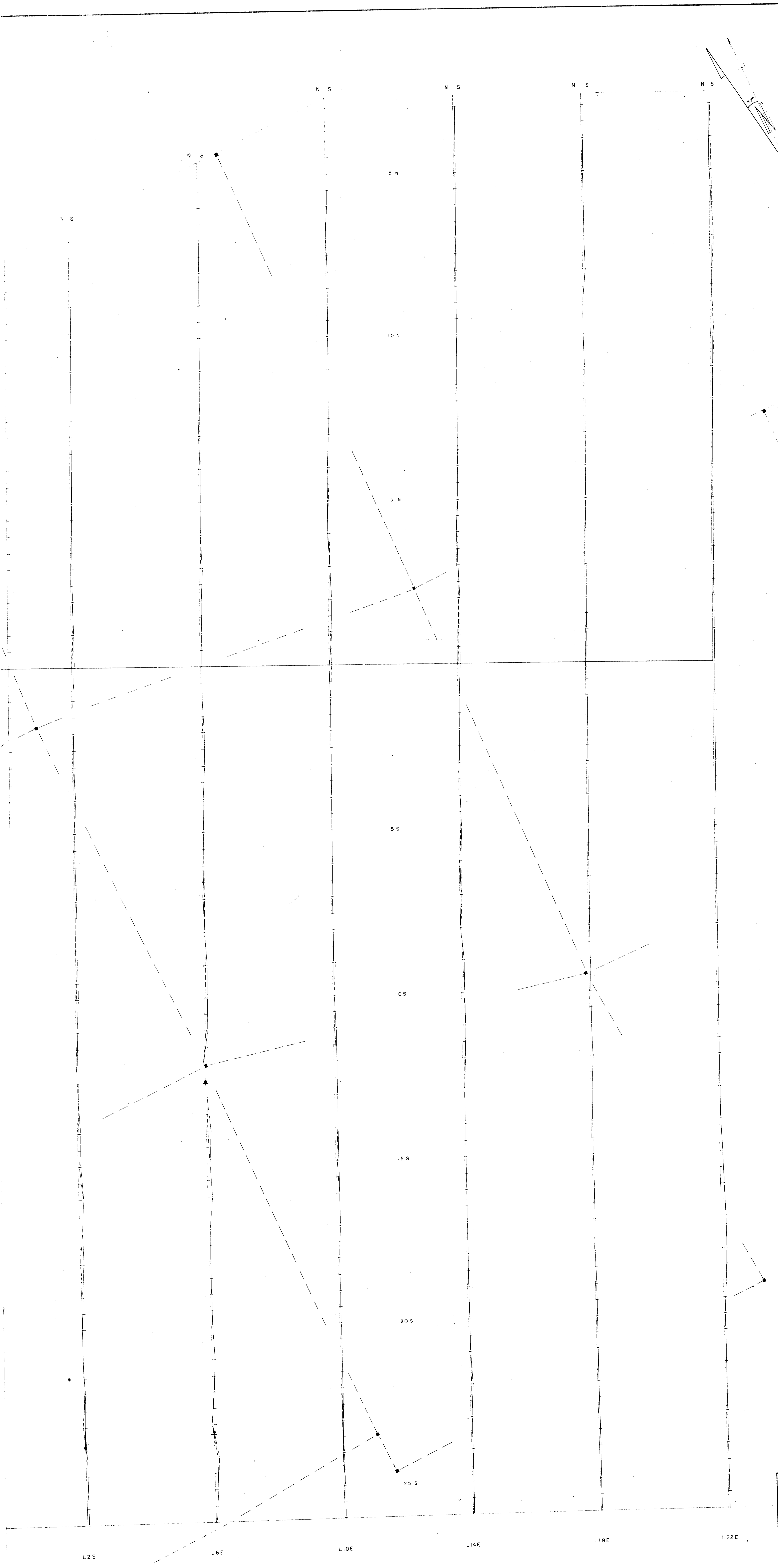








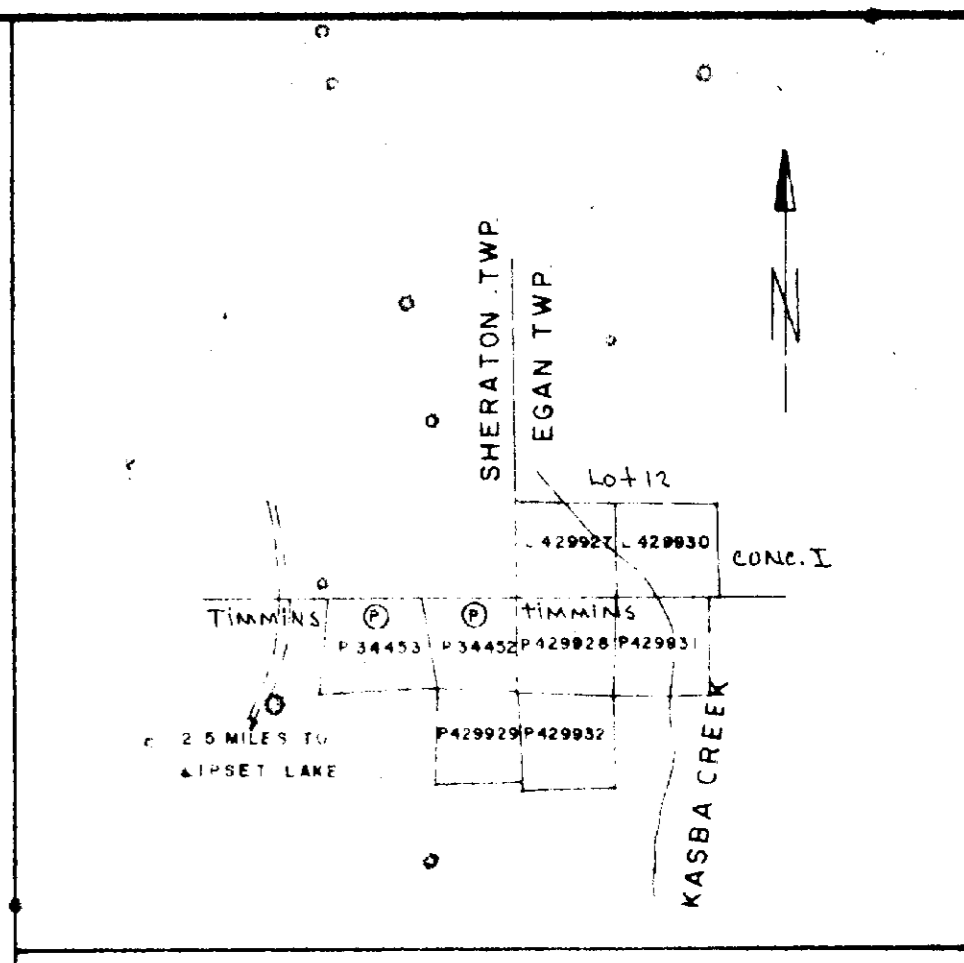
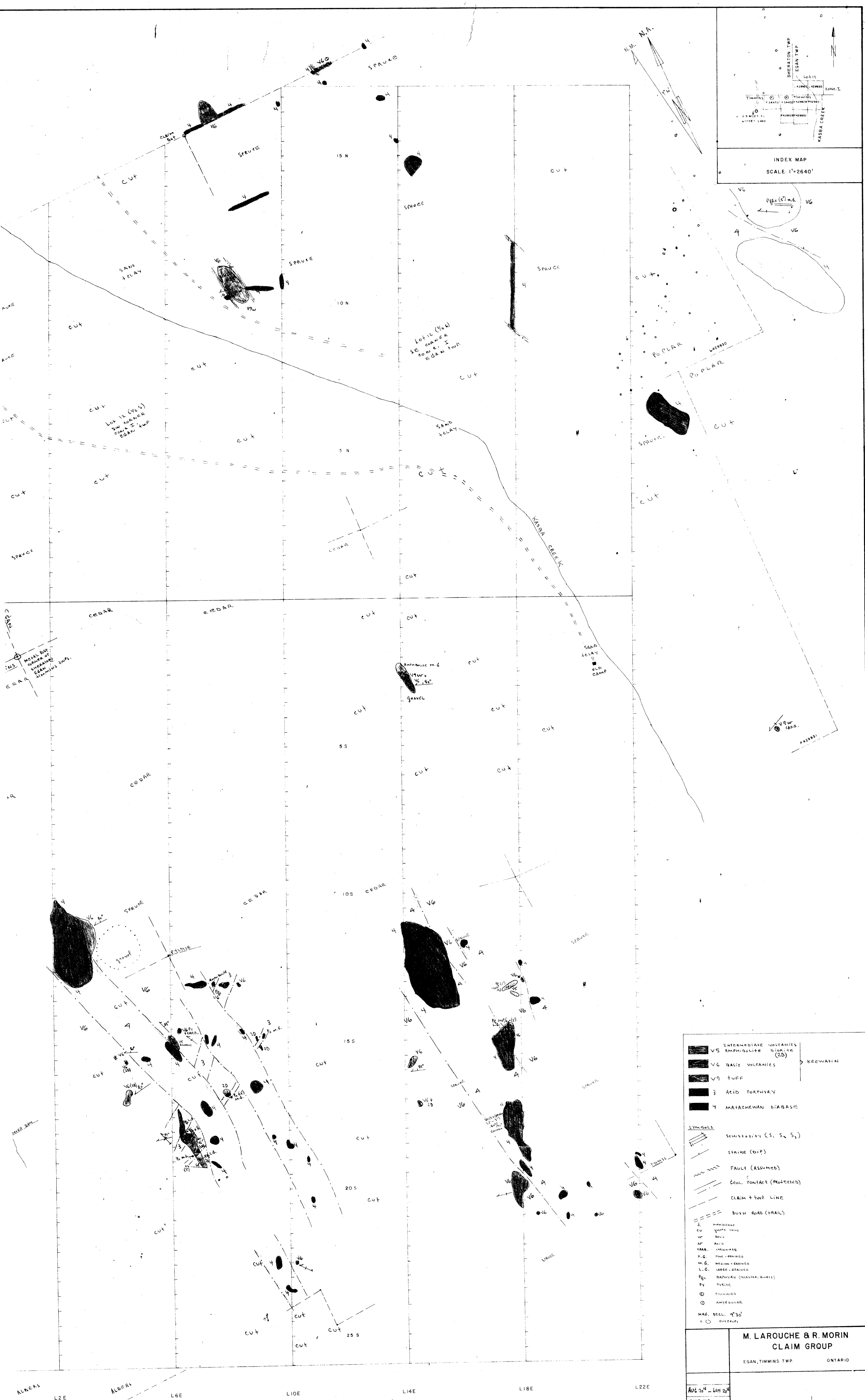
INDEX MAP
SCALE 1"=2640'



INSTRUMENT: MCPHAR V.H.E.M. 680

DWG NO	M. LAROUCHE & R. MORIN	
	CLAIM GROUP	
	EGAN, TIMMINS TWP	ONTARIO
	OPERATOR R.G. & R.P.	DATE SEPT. 1975
	DRAWN BY R.C.	SCALE 1"=100'±20'
	SERVICES EXPLORATION ENRG	
	NORANDA QUEBEC	

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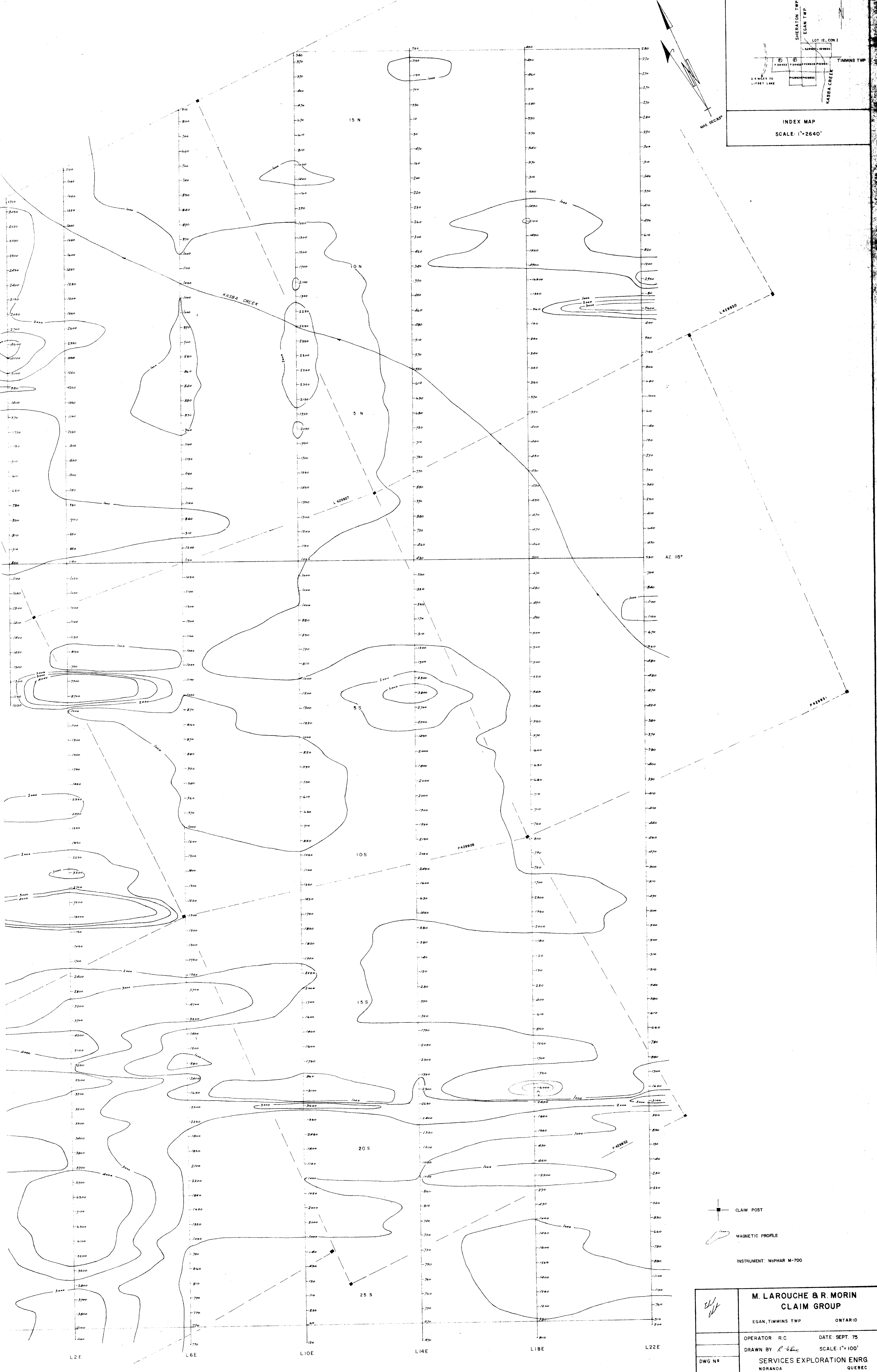
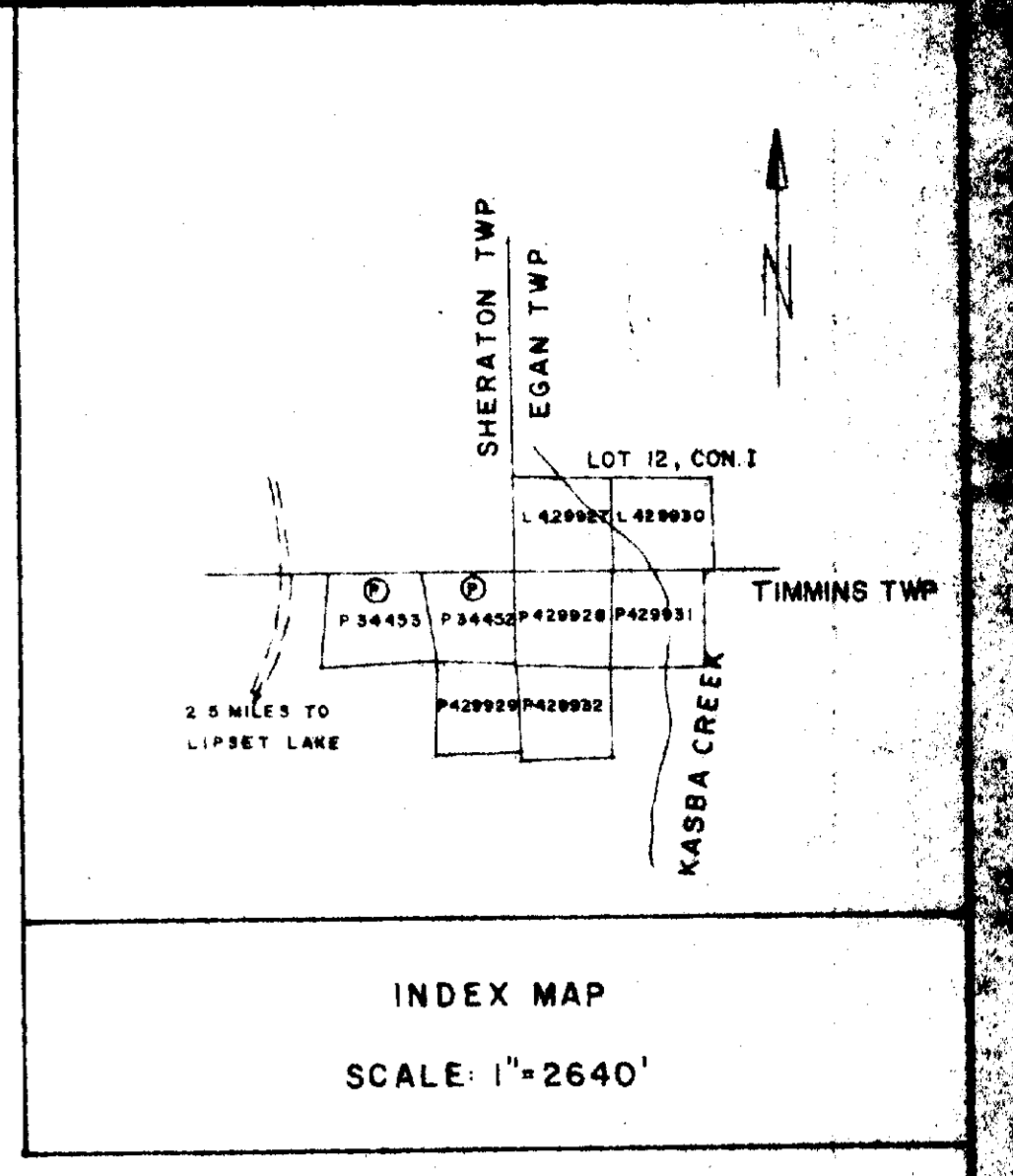
INDEX MAP
SCALE 1"=2640'

	V5 INTERMEDIATE VOLCANICS	KEEWATIN
	V6 BASIC VOLCANICS	
	V9 TUFF	
	3 ACID PORPHYRY	
	4 MARCHEWAN DIABASE	
SYMBOLS		
	S1, S2, S3 SCHISTOSITY	
	DIP STRIKE	
	FAULT (ASSUMED)	
	GEOL. CONTACT (PROPOSED)	
	CLAIM + TWP. LINE	
	BUSH ROAD (TRAIL)	
	MARGINE	
	CW QUARTZ VEIN	
	SP QUARTZ	
	F&G QUARTZ	
	M.G. MEDIUM-GRAINED	
	L.G. LARGE-GRAINED	
	Pq PORPHYRY (EPIDIDYMITE)	
	PY PYRITE	
	T TILLOMIO	
	A AMYGDALOID	
	MAG. SECT. 9'30"	
	X QUARTZ	

M. LAROUCHE & R. MORIN
CLAIM GROUP
EGAN, TIMMINS TWP ONTARIO

Aug 20th - 1930
DWG NO

M. Larouche M.Sc. (Geol.)
2-2115



CLAIM POST
MAGNETIC PROFILE
INSTRUMENT: MCFAR M-700

	M. LAROUCHE & R. MORIN	
	CLAIM GROUP	
	EGAN, TIMMINS TWP	ONTARIO
	OPERATOR R.C.	DATE SEPT. 75
	DRAWN BY R. L. MORIN	SCALE 1" = 100'
DWG N ^o	SERVICES EXPLORATION ENRG	
	NORANDA	QUEBEC

2-2115