



42A08NW0226 2.1474 PLAYFAIR

Report on  
 Geologic and Magnetic Surveys  
 Playfair Township  
 Claim Group  
 Sherwin Minerals Limited

SUMMARY

Sherwin Minerals Limited holds 14 contiguous unpatented mining claims in lots 12 and 13, concession IV Playfair and lot 1, range IV McCann Townships. Earlier work for gold in this property has been reported. During October and November 1973 magnetic and geologic surveys were carried out. The location of the gold exploration in the 1930's was established.

It is considered best for this current program to test new possibilities on the property and not the old area of exploration. Two magnetic lows considered possible syenite intrusives and should be tested by diamond drilling. The budget for 1000 feet of diamond drilling would be \$10,000.

DECEMBER 10 1973

*Tom Gledhill*



Report on  
Geologic and Magnetic Surveys  
Playfair Township  
Claim Group  
Sherwin Minerals Limited

I. INTRODUCTION

The company holds a group of 14 contiguous unpatented mining claims in Playfair and McCann Townships. The area was very active in 1930 with gold exploration. With renewed interest in gold, the company's property was mapped geologically and magnetically in order to select drill holes.

II. PROPERTY, LOCATION AND ACCESS

The property comprises 14 contiguous unpatented mining claims in Playfair and McCann Townships as follows:

L 373218 - 31 inclusive (14 claims)

560 acres approximately

being	N 1/2 lot 12	)	
	NW 1/4 of S 1/2 lot 12	)	Concession IV <u>Playfair Twp.</u>
	N 1/2 lot 13	)	
	N 1/2 of S 1/2 lot 13	)	
	NE 1/2 of S 1/2 lot 1	)	Concession IV <u>McCann Twp.</u>
	N 1/2 of lot 1	)	

The property is located four miles west of Ramore on Highway #11 and the Ontario Northland Railroad. It is reached by travelling one mile south of Ramore on Highway #11 and then west along a concession road three miles to Wildgoose River and then through the centre of the property by travelling up Wildgoose River.

### III. GENERAL GEOLOGY

The rocks of the area are Keewatin greenstone intruded younger granites, porphyries and diabase dykes. The trend of the volcanics is east-west. An airborne magnetic high occurs over the claim group. The property is over half overburden covered. The magnetic survey was carried out to assist in interpreting the geology.

### IV. ECONOMIC GEOLOGY

Gold is the only metal of economic interest in the area. It occurs as native gold, or with sulphides in or around granite intrusives, porphyry and syenite bodies. Exploration is carried out by mapping and surface trenching and sampling followed by diamond drilling. E.S. Moore's report (ODM Vol. XLV Part VI, 1936) indicated that the area was explored by Noranda Mines Limited in the 1930's but gave no details.

## V. MAGNETIC SURVEY

A description of the procedure for the magnetic survey is attached.

### Discussion of Results

The magnetic survey when contoured produced a map that is typical of Keewatin greenstones. The strike of the magnetics conforms to the volcanics. Some of the north-south trending Matachewan diabases dykes are evident from the magnetics. Magnetic lows exist in the northeast corner and likely reflect the hornblende syenite or granite intrusives. There does not seem to be an explanation within the outcrops of the low across the property at 10+00S. There is a low in the southwest corner where the property is mainly overburdened and flooded. The only rocks that outcrop are diabase. The balance of the rock is possibly granite or syenite. The conclusion that is drawn from the magnetic survey is that the acid intrusives occupy the overburdened areas while the massive basic volcanics form exposed in high resistant ridges.

## VI. GEOLOGIC SURVEY

The geologic mapping was completed a few days before the snow covered the ground. The geologic mapping produced no surprises and the geology is as identical to the

to the ODM map 45d.

The syenite and granite was not observed to any great extent so it is necessary to depend on E.S. Moore's descriptions.

The volcanics are mainly massive basic flows that form resistance east-west striking ridges. These have been intruded by syenite and diabase dykes.

In the area between lines 24W and 32W about 12+00S east-west striking syenite dykes have been extensively explored in the 1930's. Many trenches and several drill holes were located.

Moore describes this area as "Much trenching was done, and a number of diamond-drill holes, from which the casing has been pulled, were sunk on an irregular quartz zone lying along the east side of a large hill of porphyritic Keewatin lavas. The trenches extend along the hill for a distance of about 400 feet. There is no definite vein, but numerous stringers of quartz make up a zone that in one section has been channel sampled across a width of 15 feet. - - - - In some places the zone is well mineralized and in others it is practically barren of sulphide. Irregular dikelets of syenite are associated with the quartz."

At the present time no work is planned in the area described by Moore. The area that is to be tested is the overburdened area on the northeast portion of the property.

VII. CONCLUSIONS AND RECOMMENDATIONS

The property is much as it has been described in government literature. The area of previous activity to the south end of the property will not be worked on at this present time. Attention is focused to testing the overburdened area in the northeast portion of the property which is thought to be underlain by syenite or granite intrusives.

It is recommended that the lows at 10N line 16W and 1+00S line 20W be tested with one drill hole each.

A budget for this work would be:

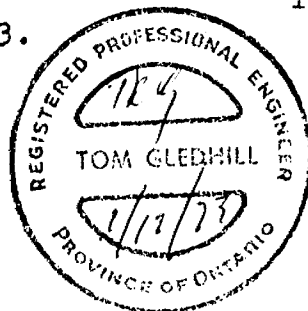
1000 feet at an all inclusive cost of \$10/foot \$10,000.00

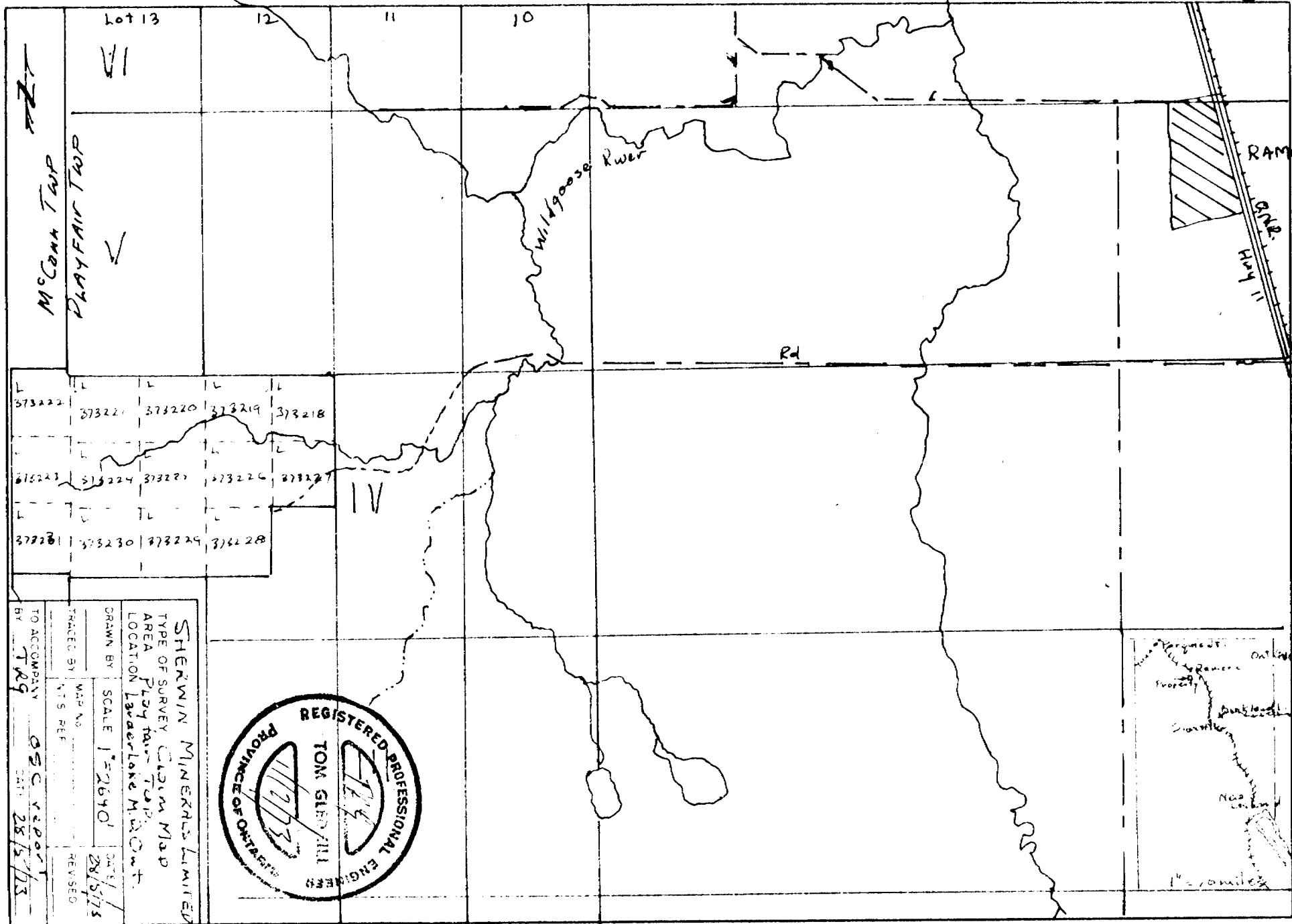
Respectfully submitted,

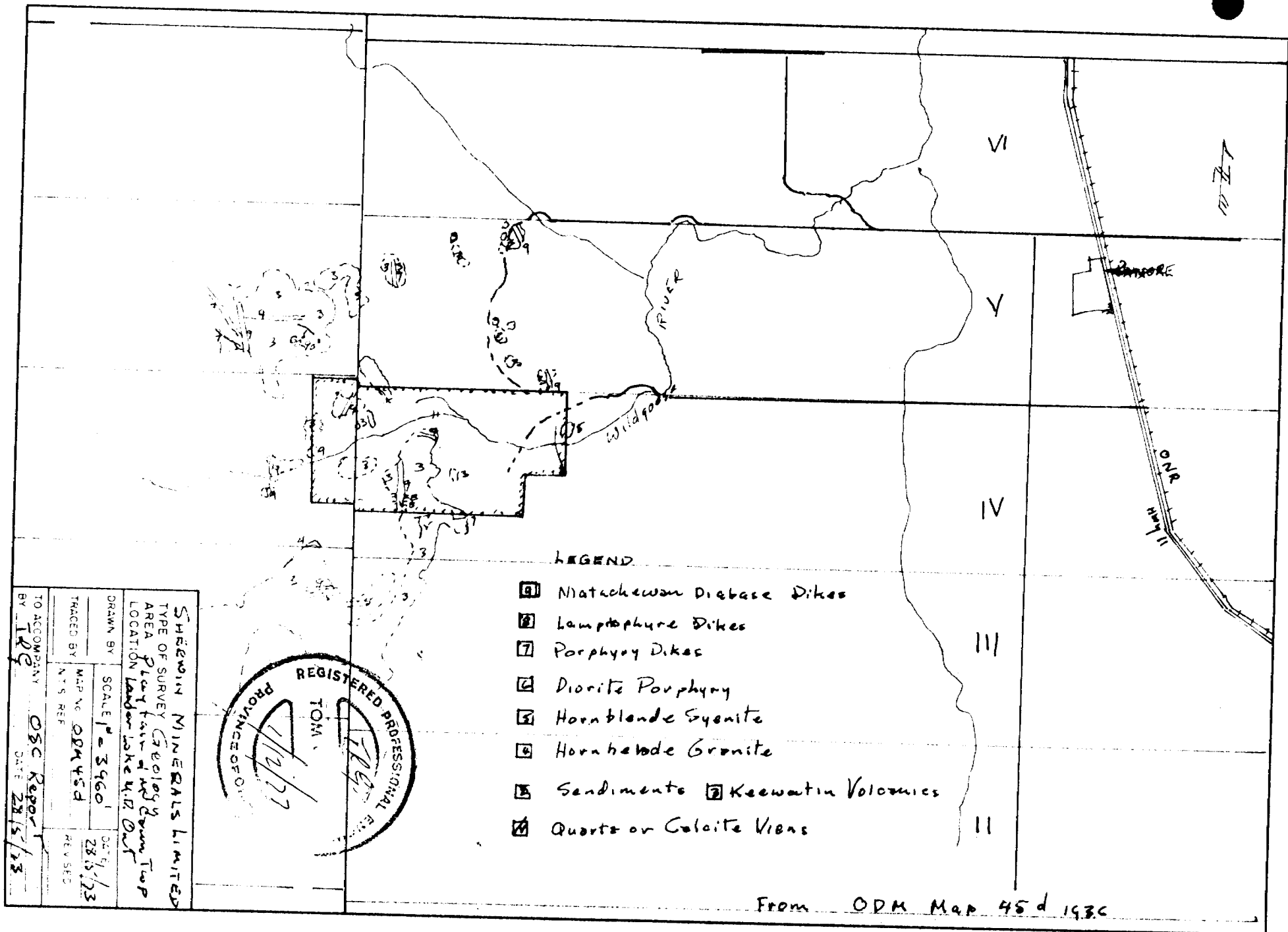


Tom Gledhill, B.A., P.Eng.

December 1, 1973.







SHIREWIN MINERALS LIMITED  
 TYPE OF SURVEY Geology  
 AREA Part of the Drum Top  
 LOCATION Landon Lake W.R. Dist.  
 DRAWN BY SCALE 1" = 3960'  
 TRACED BY MAP NO. ODM 45 d  
 N.T.S. REF. REVISED  
 TO ACCOMPANY OSC Report  
 BY T.R.G. DATE 28/5/73





Notes on Magnetometer Survey

The magnetometer survey is carried out by a fluxgate magnetometer, McPhar M700. This instrument measures the variations on the vertical magnetic field.

The procedure is to establish a magnetic base station and assigning an arbitrary value. The field readings are obtained by looping on the base station over a period of one hour more or less. Then the base value is moved on usually two traverse lines along the baseline and the looping procedure is repeated on this new sub-base station.

Location of Base Station: Line 16W Station 0400

Value Assigned Base Station 1000 Gamma

Instrument: Manufacture and Model McPhar M700  
Scale Constant 20 Gammas/S.D.  
Readability 5 Gammas

Province: Ontario

Township: Mc-Cann & Pelly Fair

Claims: 1373218-3 inch.

GEOPHYSICAL - GEOL  
TECHNICAL D.



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900  
MAY 3 1974

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 Magnetic & Geology  
Township or Area McCune & Playfair townships  
Claim holder(s) C. M. Haines - Box 65  
TORONTO - Dominion Tower, Toronto  
Author of Report Tom Sedhill  
Address 21 Sandalwood Place Don Mills  
Covering Dates of Survey Sept 15 Dec 1/73  
(linecutting to office)  
Total Miles of Line cut 15 miles

MINING CLAIMS TRAVERSED	
List numerically	
L	373218
(prefix)	(number)
L	373219
L	373220
L	373221
L	373222
L	373223
L	373224
L	373225
L	373226
L	373227
L	373228
L	373229
L	373230
L	373231 (Mag)
TOTAL CLAIMS <u>14</u>	

SPECIAL PROVISIONS CREDITS REQUESTED	DAYS per claim
Geophysical	
--Electromagnetic	
--Magnetometer	<u>40</u>
--Radiometric	
--Other	
Geological	<u>20</u>
Geochemical	

**AIRBORNE CREDITS** (Special provision credits do not apply to airborne surveys)  
Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: April 28 SIGNATURE: Tom Sedhill  
Author of Report or Agent

**PROJECTS SECTION**  
Res. Geol. \_\_\_\_\_ Qualifications 631085  
Previous Surveys 63-3070 (Not for Assessment credits)  
Checked by \_\_\_\_\_ date \_\_\_\_\_  
**GEOLOGICAL BRANCH**  
Approved by LD date \_\_\_\_\_  
**GEOLOGICAL BRANCH**  
Approved by \_\_\_\_\_ date \_\_\_\_\_

OFFICE USE ONLY

If space insufficient, attach list

Show instrument technical data in each space for type of survey submitted or indicate "not applicable"

### GEOPHYSICAL TECHNICAL DATA

#### GROUND SURVEYS

Number of Stations 795 Number of Readings 1113  
 Station interval 100 feet  
 Line spacing 400 feet  
 Profile scale or Contour intervals 1000 ft  
(specify for each type of survey)

#### MAGNETIC

Instrument MCPhan Flux gate  
 Accuracy - Scale constant 20 ft / S.D. readability 5 ft  
 Diurnal correction method Loop on moving base station  
 Base station location 0+00 line 16 W value 100 ft

#### 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 \_\_\_\_\_

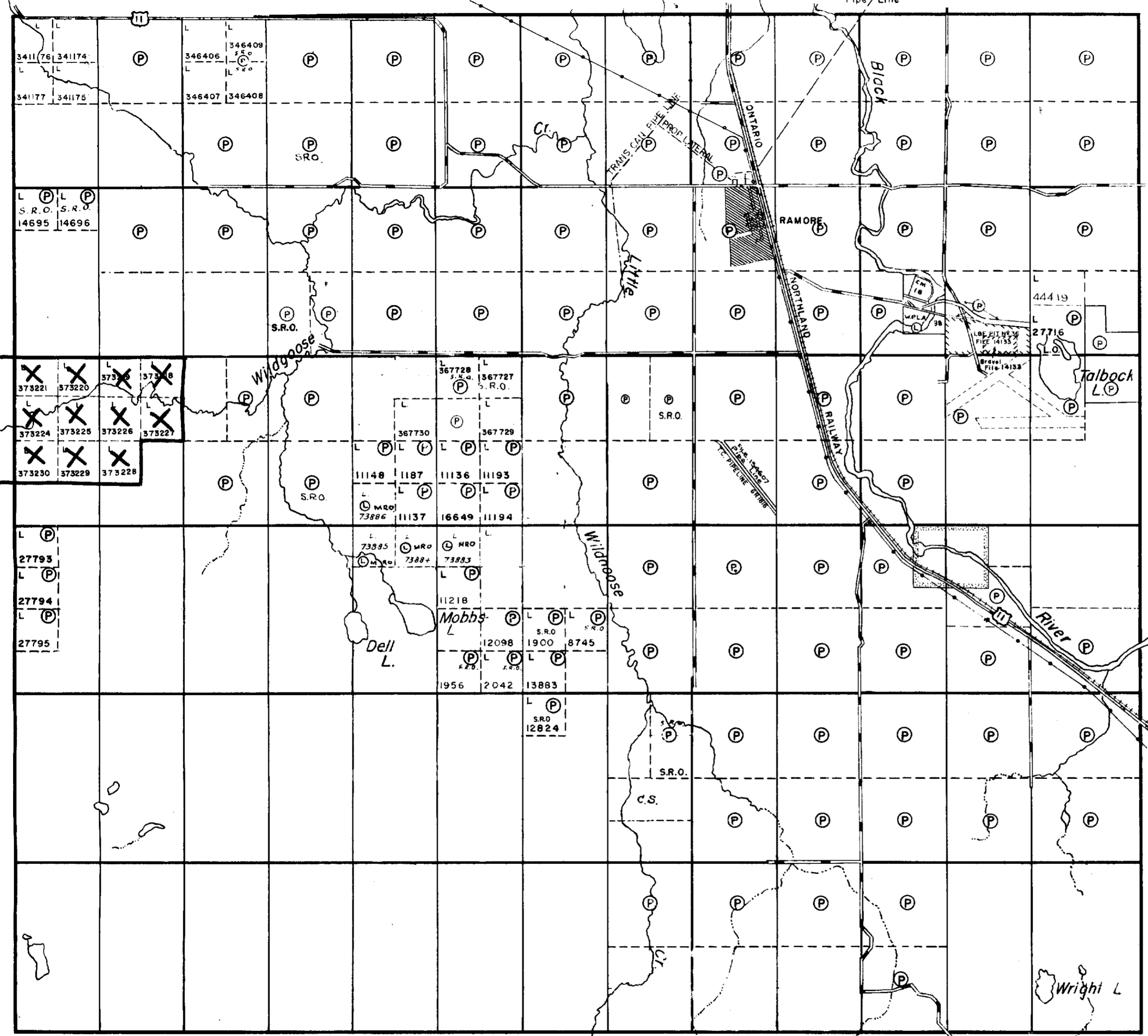
Elevation accuracy \_\_\_\_\_

#### INDUCED POLARIZATION - RESISTIVITY

Instrument \_\_\_\_\_  
 Time domain \_\_\_\_\_ Frequency domain \_\_\_\_\_  
 Frequency \_\_\_\_\_ Range \_\_\_\_\_  
 Power \_\_\_\_\_  
 Electrode array \_\_\_\_\_  
 Electrode spacing \_\_\_\_\_  
 Type of electrode \_\_\_\_\_

Hislop Twp.

Proposed N.O.  
Natural Gas  
Pipe / Line



VI

V

IV

III

II

I

McCann Twp.

Cook Twp.

THE TOWNSHIP  
OF  
**PLAYFAIR**

DISTRICT OF  
COCHRANE

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND (P)
- CROWN LAND SALE (S) or (CS)
- LEASES (L)
- LOCATED LAND (Loc.)
- LICENSE OF OCCUPATION (L.O.)
- MINING RIGHTS ONLY (M.R.O.)
- SURFACE RIGHTS ONLY (S.R.O.)
- ROADS (—)
- IMPROVED ROADS (—)
- KING'S HIGHWAYS (—)
- RAILWAYS (—)
- POWER LINES (—)
- MARSH OR MUSKEG (—)
- MINES (X)

NOTES

400' Surface rights reservation around all lakes and rivers.

- Ramore Townsite Shown Thus: [Hatched Box]
- Millsite Shown Thus: [Dotted Box]
- Gravel Reserve Shown Thus: [Cross-hatched Box]

MINING LANDS -  
DATE OF ISSUE  
MAY - 6 1974  
MINISTRY  
OF NATURAL RESOURCES

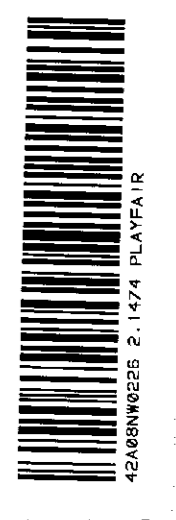
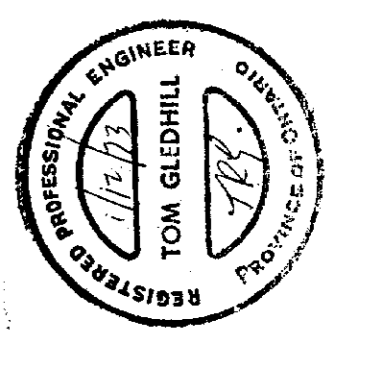
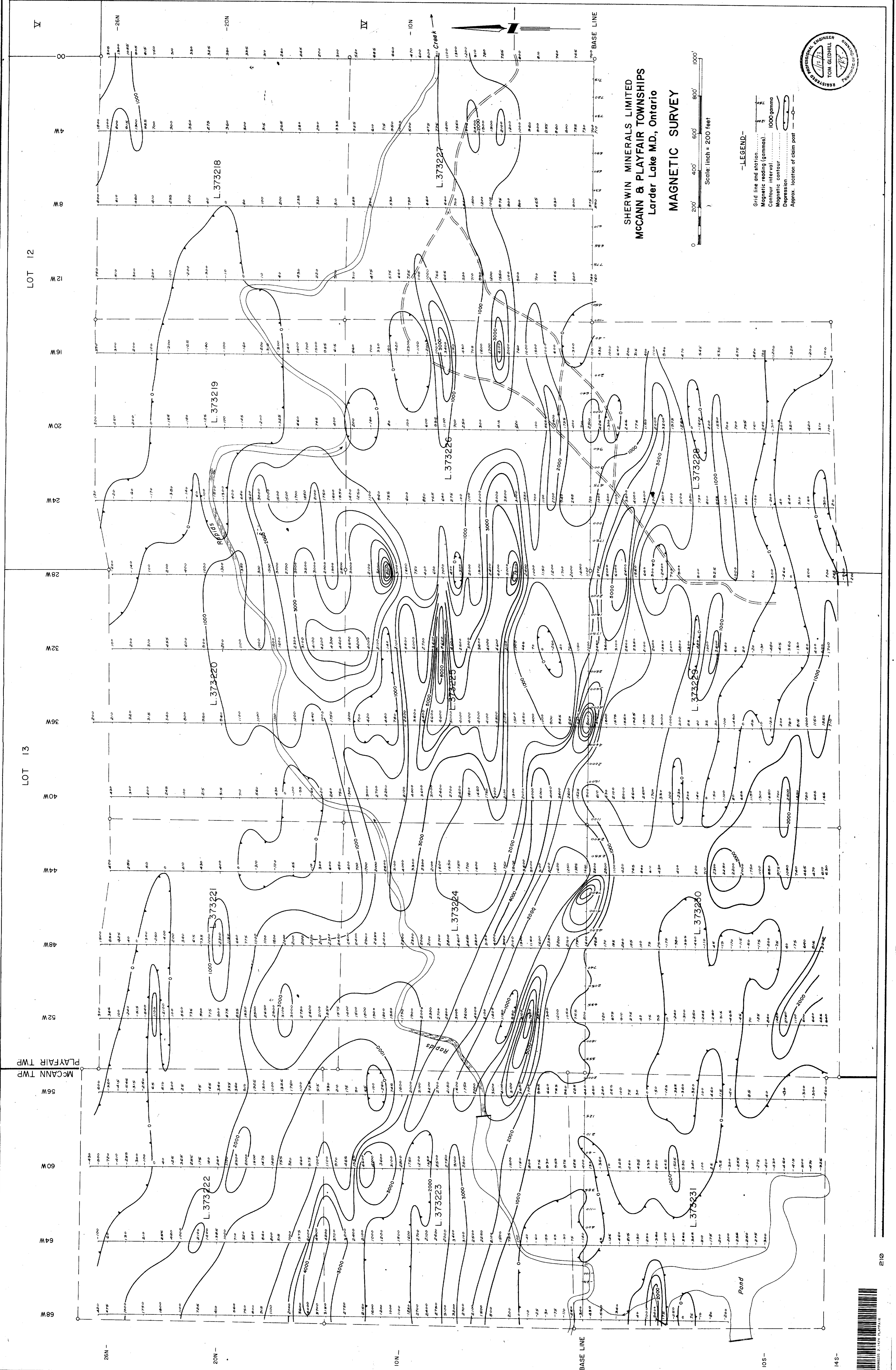
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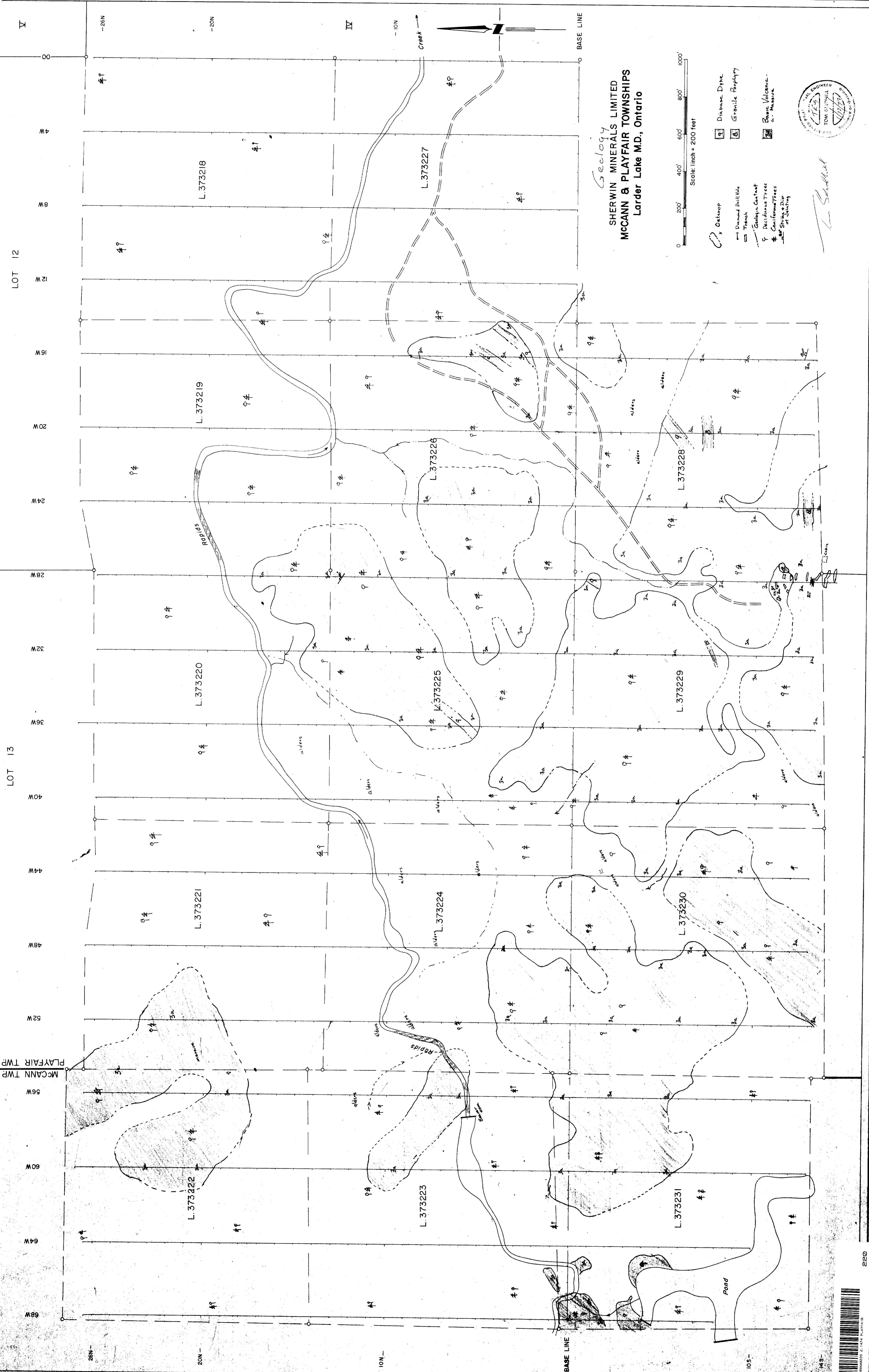
PLAN NO.- M. 381

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

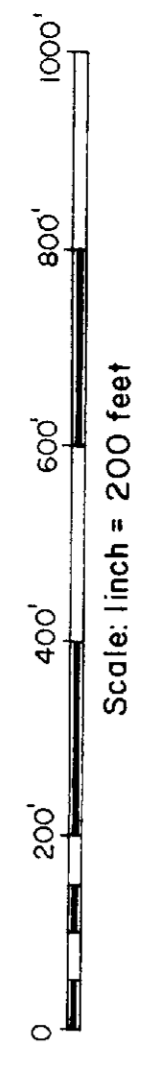
Black Twp.







Geology  
**SHERWIN MINERALS LIMITED**  
**MCCANN & PLAYFAIR TOWNSHIPS**  
 Larder Lake M.D., Ontario



- Outcrop
- Diamond Drill Hole
- Trench
- Geologic Contact
- Deciduous Trees
- Coniferous Trees
- Strike Slip Fault
- Faulting
- Diabase Dyke
- Granite Porphyry
- Basic Volcanic Gneiss



*T. G. Smith*

