



31L14SW0006 2.220 PARKMAN

010

Introduction

At the request of Mr. A. Jandonslager, the representative of Iron City Mines Ltd., who carried out this scintillometer field survey, the writer prepared this report. This compilation and evaluation of the scintillometer observations was performed in Toronto during period Nov. 15th to Nov. 30th, 1970.

Property

The property surveyed consists of 31 contiguous claims in Parkman and McAuslin Twp. in the Timagami area of Ontario, as below:

T. 57052	T. 57393	L. 104521	L. 104529
57053	57394	104522	104530
57054	57396	104523	104531
57055	57268	104524	104532
57056	57269	104525	104533
57057	57272	104526	104534
57058	57273	104527	104535
57059		104528	231690

Location

The claim group straddles the Parkman and McAuslin Twp. boundary about 35 miles north of North Bay near the south end of Lake Michikaming. Access by car from North Bay is provided by Hwy 63 about 35 miles northeast to Elzev and thence about 26 miles along the McConnell Lake provincial road to the claim group.

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Regional Description

Forested glacial overburden of variable thickness covers most of the claim group. The relief is about 200'. The country is reported to be underlain by metamorphosed Grenville type igneous and sedimentary rocks including iron formation, granite gneiss and pegmatite dykes. Uranium occurs at Lake Kipapa a few miles east in the Province of Quebec.

Radiation Survey

A portable four channel radiation spectrometer designated as Hoffman model TW - 3B was employed in the survey. The instrument has a probe type unit containing a 1 3/4 inch x 2 inch sodium iodide crystal.

The survey method consisted of taking radiation readings at 100' intervals along lines spread 400' apart.

Results of survey

The background reactivity for T_0 , the total count across the entire gamma energy spectrum is about 4000 counts per minute. Numerous observations showing up to twice back count reading "total count" radiation over all areas were recorded. Seven of these radioactive highs are caused by slightly above average amounts of uranium. The highest uranium reactivity, located at 1600' east on line 0100 north, exhibits only twice normal

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background. The zones shown to have slightly above average uranium are located on the north map sheet intermittently along the east side of the claim area as below:

Line 12 North 1200' East

" 64 " 1600 "

" 64 " 1750 "

" 96 " 1150 "

Base Line 334 12,394 North

Line 12 North 1800 East

100' NE of Line 34,321 North and Base Line 728

The first four anomalies occur near outcrop and may be caused by increase of radioactivity due to the presence of the massive effect of overburden. The cause of the last three slight uranium anomalies is unknown.

Conclusions & Recommendations:

No significant radioactivity anomalies caused by uranium minerals were obtained by this survey. Results to date indicate that no further radioactivity surveys are warranted at this time.

Respectfully submit

Erwin C. Hamilton

Erwin C. Hamilton,



7/11/57



IRON CITY MINES LTD.

SCINTILLOMETER SURVEY

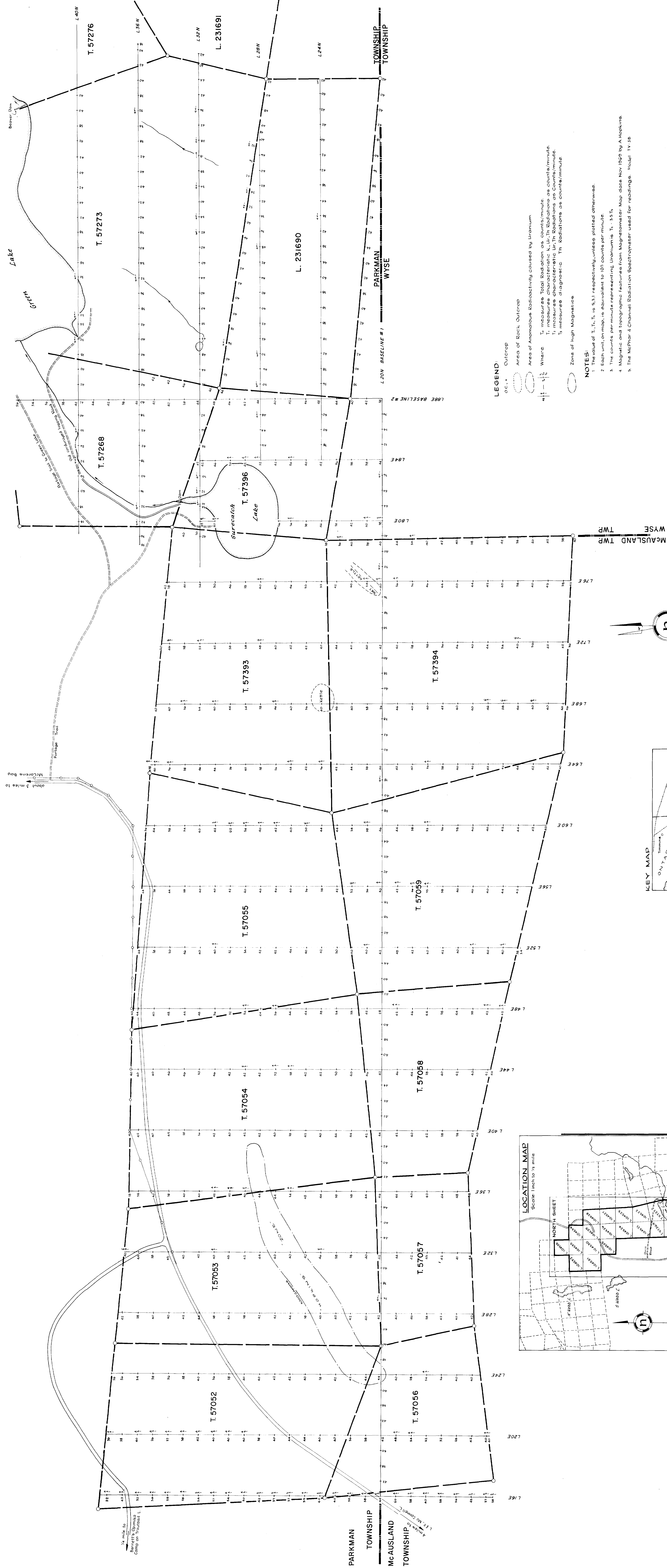
OF 31 CLAIMS, PARKMAN AND MCAUSLAN TOWNSHIPS

TIMISKAMING MINING DIVISION, TIMAGAMI AREA - ONTARIO

Map 0105

A. Loudens' Ledger Nov. 30, 1970

Scale: 1 inch = 1/2 mile

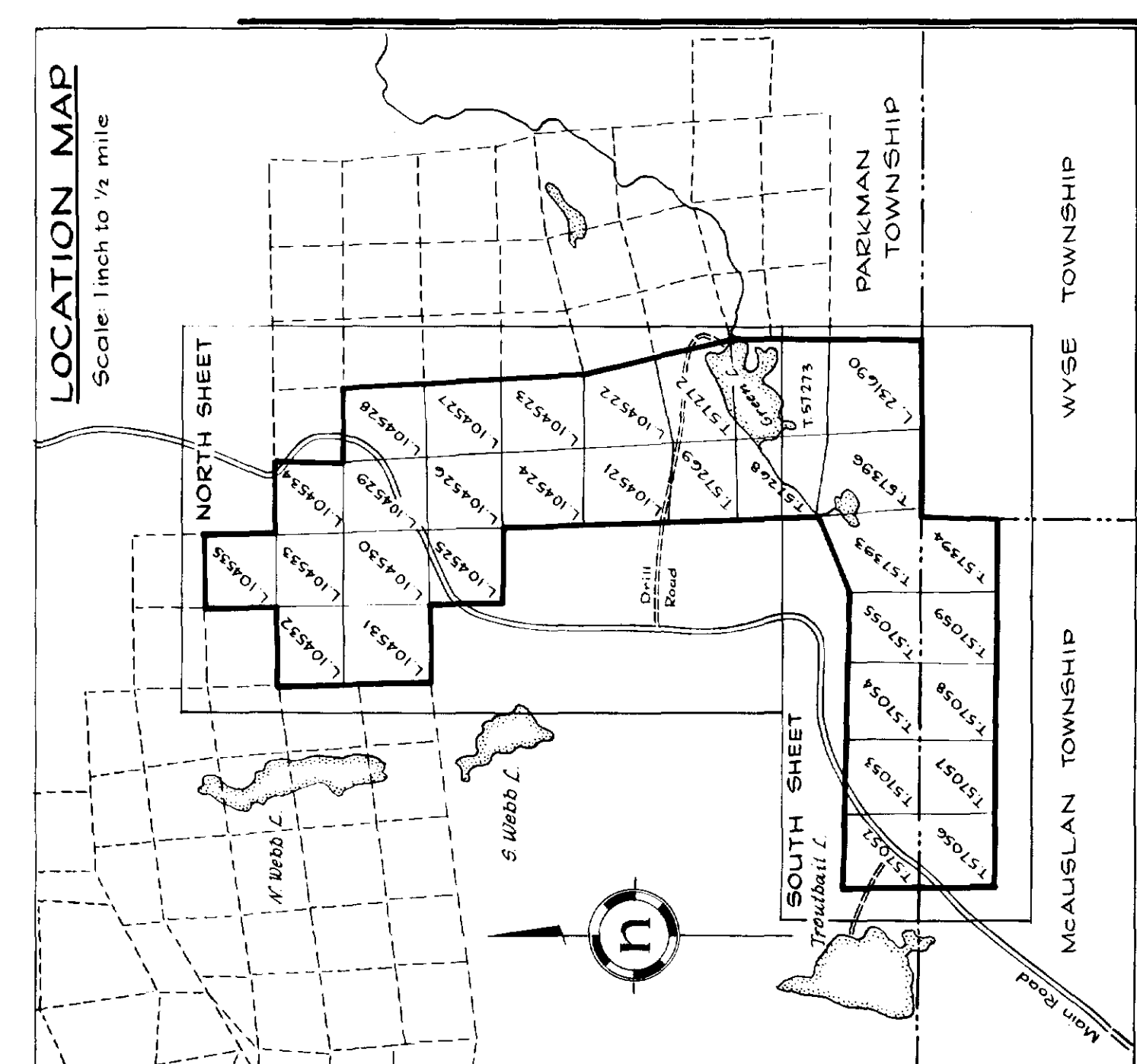
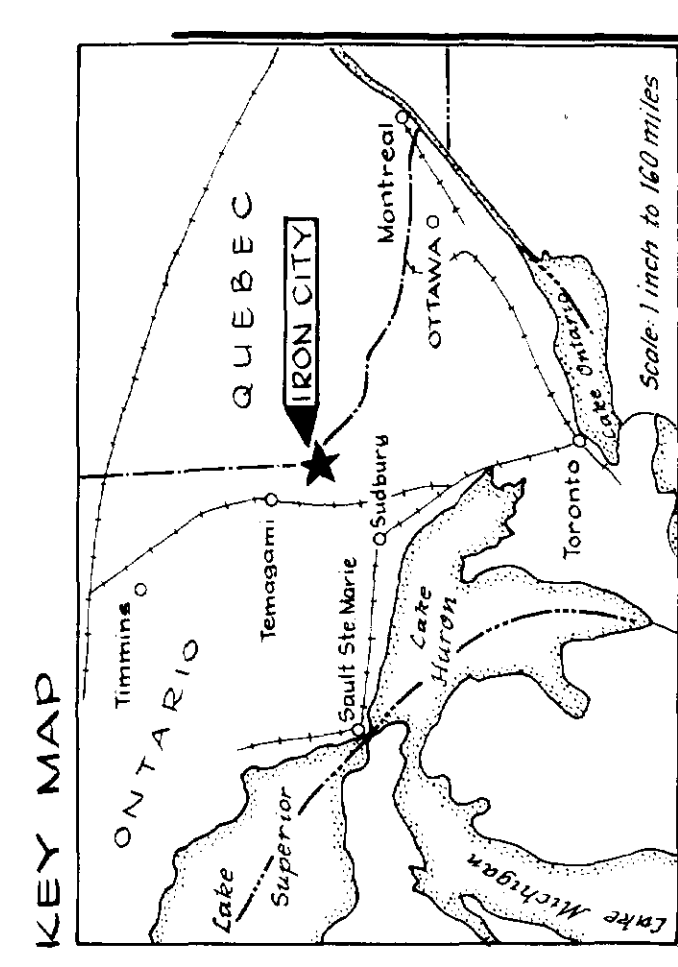
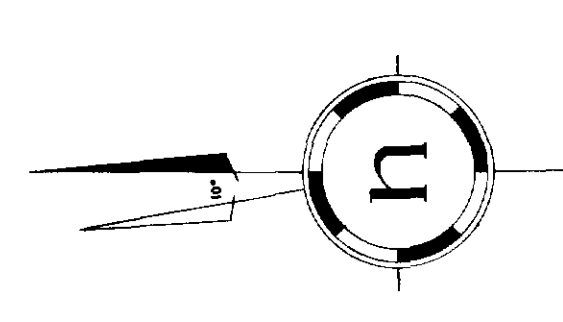


LEGEND:

- Outcrop
- Area of Rock Outcrop
- Area of Anomalous Radioactivity caused by Uranium
- Zone of High Magnetics

NOTES:

- The value of T, T₁, T₂ is 5, 3, 1 respectively, unless plotted otherwise.
- Each unit on map is equivalent to 100 counts per minute.
- The counts per minute representing Uranium is T₁ - 5T₂.
- Magnetic and topographic features from Magnetometer Map date Nov 1969 by A. Hopkins.
- The McPhar 4 Channel Radiation Spectrometer used for readings. Model TV 38.

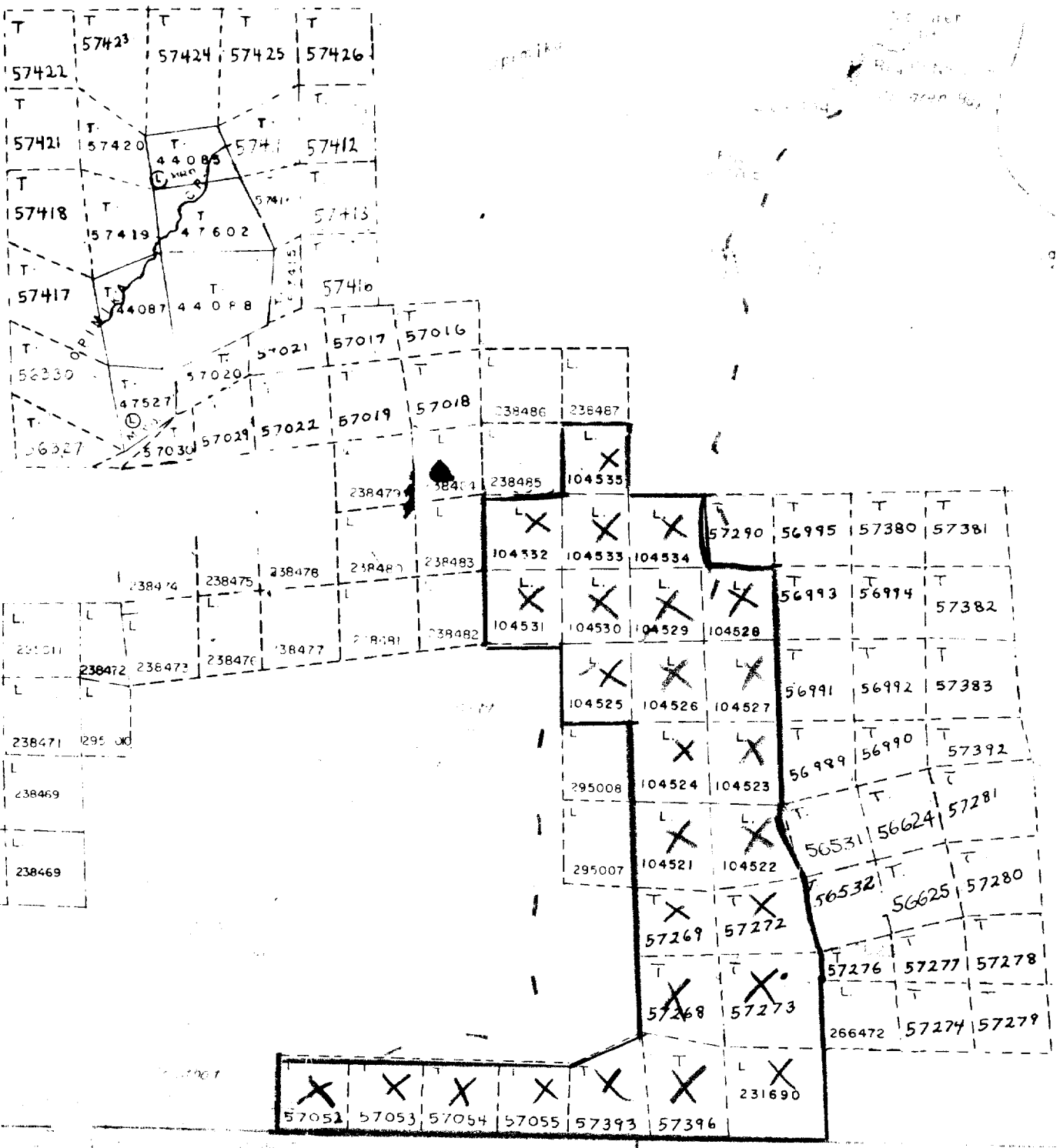


PARKMAN TWP



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N1003

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THE TOWNSHIP OF *Claim Map* MCAUSLAN

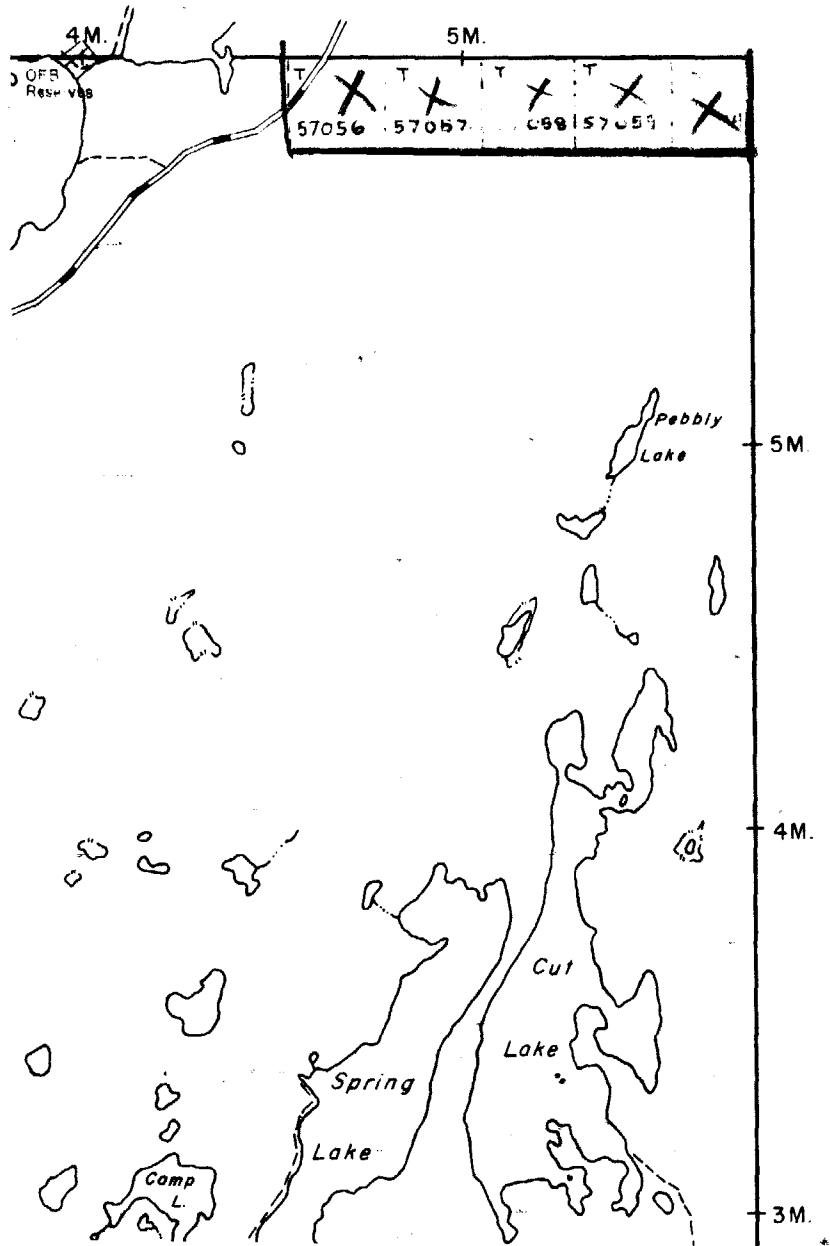
DISTRICT OF
NIPISSING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- | | |
|-----------------------|--------|
| PATENTED LAND | Ⓟ |
| CROWN LAND SALE | C.S. |
| LEASES | Ⓛ |
| 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 |
| CANCELLED | C. |



wp. - M.1187

MCAUSLAN