



NOV 20 1973

PROJECTS UNIT

Geological Study.
Minedel Mines Ltd.
Ossian Township, Ont.

Property:

The property consists of patented claims located in the north-eastern part of Ossian Twp. and bearing numbers:-

L-11181 to 11185; 5
11186 to 11189; 4
12716 to 12717; 2
11344, 15891, 12716, 12
12577, 11133, 11413; 3
12717, 11131, 11132;
12000, 11999, 12020.

The last three numbers being outside the actual property.

Previous Work:

History and previous work is well described in a report by Duncan R. Derry, Eng., dated October 1973 and will not be repeated here.

The most reliable assessment of geology and past assaying are well appraised in the last two reports written for the Company, namely:-

1. Report on Minedel Mines Limited;
L.G.Phelan, M.A.Sc., P.Eng. 1972.
2. Report on Minedel Mines Property;
Duncan R. Derry, P.Eng. 1973.

Comments:

These two reports and various other information accumulated in the past have been studied along with the property. All past assays must, of course, be looked at in the light of the new gold prices, which has been tentatively established at \$140 for this purpose.

Conclusions:

In this light, the following conclusions can be drawn:-

1. Reports of past assays vary according to when the assays were made and by whom was the sampling effected.

It seems almost consistent that samples taken by the mine personnel were always higher (and generally considerably higher) than samples taken by outsiders or by Companies such as Paymaster and Noranda.

Rechecking of the old drilling done by Paymaster in 1949 disagrees entirely with past published results. Redrilling of five holes within 18" of old holes disagrees in 4 out of five cases with previously published results.

Underground assay results and assay plans differ considerably and thus far, information lacks to reconcile the various figures available.

Surface sampling by Paymaster and Dome (Heisey) are in close agreement and give interesting surface widths and values at today's price.

A 1934 dump sample treated at Noranda is so low and out of line with these apparently verified and reliable surface values that it is subject to question. Possibly a lot of waste was included with the vein material.

Hence, the situation can be summarized as follows:

- i. Underground sampling is confused and unreliable;
- ii. Diamond drilling results are subject to caution and unreliable;
- iii. The value of the Noranda sample cannot be properly assessed;
- iv. Surface sampling by Dome and Paymaster are in agreement and show interesting values at today's prices.

2. On the other hand, overburden is light over the surface exposure, the property is accessible and a 1,000 tons quartz dump is available.

Whereas, diamond drilling is expensive and a large footage would be required to determine a mineable tonnage in what is apparently an erratic gold mineralization.

It is therefore suggested to assess the value of the property by stages, taking advantage of the reliable evidence of mineralization readily available. Should this recheck of the values be positive, then a diamond drilling program could be considered.

Reccommendations:

1. To use a bulldozer and strip the trench area to expose a much larger portion of the veins. To channel sample and bulk sample these veins under strict control.
2. To extract a large bulk sample of the quartz dump, not only from the surface but throughout by cutting into the dump with the dozer.

These two rather simple operations will give Minedel a reliable knowledge of the value of the gold mineralization both in surface and underground.

When these results are in, they can be correlated with underground plans and assay plans to provide a soundly based reccommendation as to diamond drilling or abandonment of the property.

The widths and values given by Paymaster and Dome are of sufficient interest at today's price to justify reccommending this rather simple program as a first step to a reliable property evaluation. This program does not involve complex or very expensive operations and should yield quite reliable results.

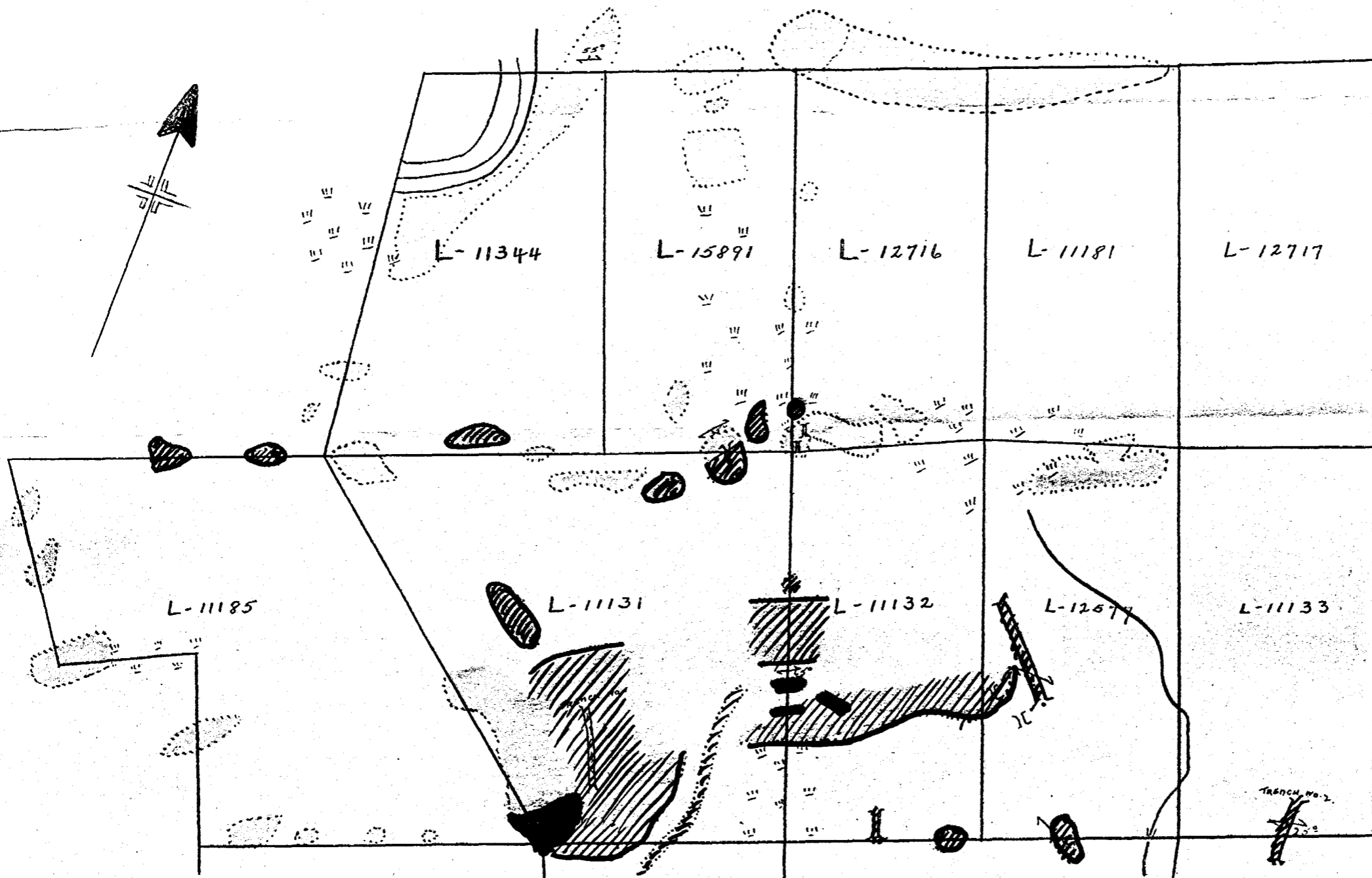
It is our opinion that it can be done by the expenditure of a sum in the vicinity of \$10,000 all inclusive, supervision, assays, sample crushing, etc....







Pierre G. Lacombe, Eng.
P.G.Lacombe & Associates
Consulting Engineers

PGL:id
Sept. 8, 1975.

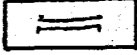
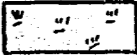
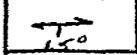

COPY



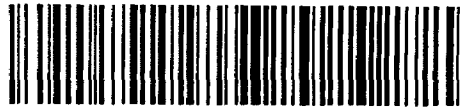
LEGEND

-  QUARTZ
-  ANDESITE WITH RHYOLITE FRAGMENTS; FAULT BRECCIA
-  RHYOLITE
-  GREENSTONE, ANDESITE, DACITE, PILLOW AND VARIOLIC LAVA.

SYMBOLS

-  TRENCH
-  SWAMP
-  STRIKE AND DIP OF SCHISTOSITY
-  FAULT

TRENCH NO. 2



GEOPHYSICAL - GEOLOGICAL TECHNICAL DATA STATEMENT

900

RECEIVED

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.

NOV 26 1975

PROJECTS UNIT

Type of Survey Geological & Economic Study
Township or Area Ossian Township.
Claim holder(s) Minedel Mines Limited
943 Upper Gage, Hamilton
Author of Report P.G. Lacombe & Associates
Address P.O. Box 95, Beleeil, Que.
Covering Dates of Survey Sept. 1-8, 1975
Total Miles of Line cut

MINING CLAIMS TRAVERSED
List numerically

L-11181 to 11185
L-11186 to 11189
12716 and 12717
11344, 15891, 12716,
12717, 11344, 15891,
12577, 11413,
L-11131 to 11133

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
Geochemical

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

Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: Oct. 15, 1975 SIGNATURE: [Signature]
Author of Report

PROJECTS SECTION

Res. Geol. Qualifications 63.2092
Previous Surveys 2.1790 Airborne

Checked by date

GEOLOGICAL BRANCH

Approved by date

GEOLOGICAL BRANCH LD

Approved by date

TOTAL CLAIMS 20 22

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations _____ Number of Readings _____

Station interval _____

Line spacing _____

Profile scale or Contour intervals _____
(specify for each type of survey)

MAGNETIC

Instrument _____

Accuracy - Scale constant _____

Diurnal correction method _____

Base station location _____

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 _____

PONTIAC TWP - M.382

THE TOWNSHIP OF
OF 2.1983
OSSIAN

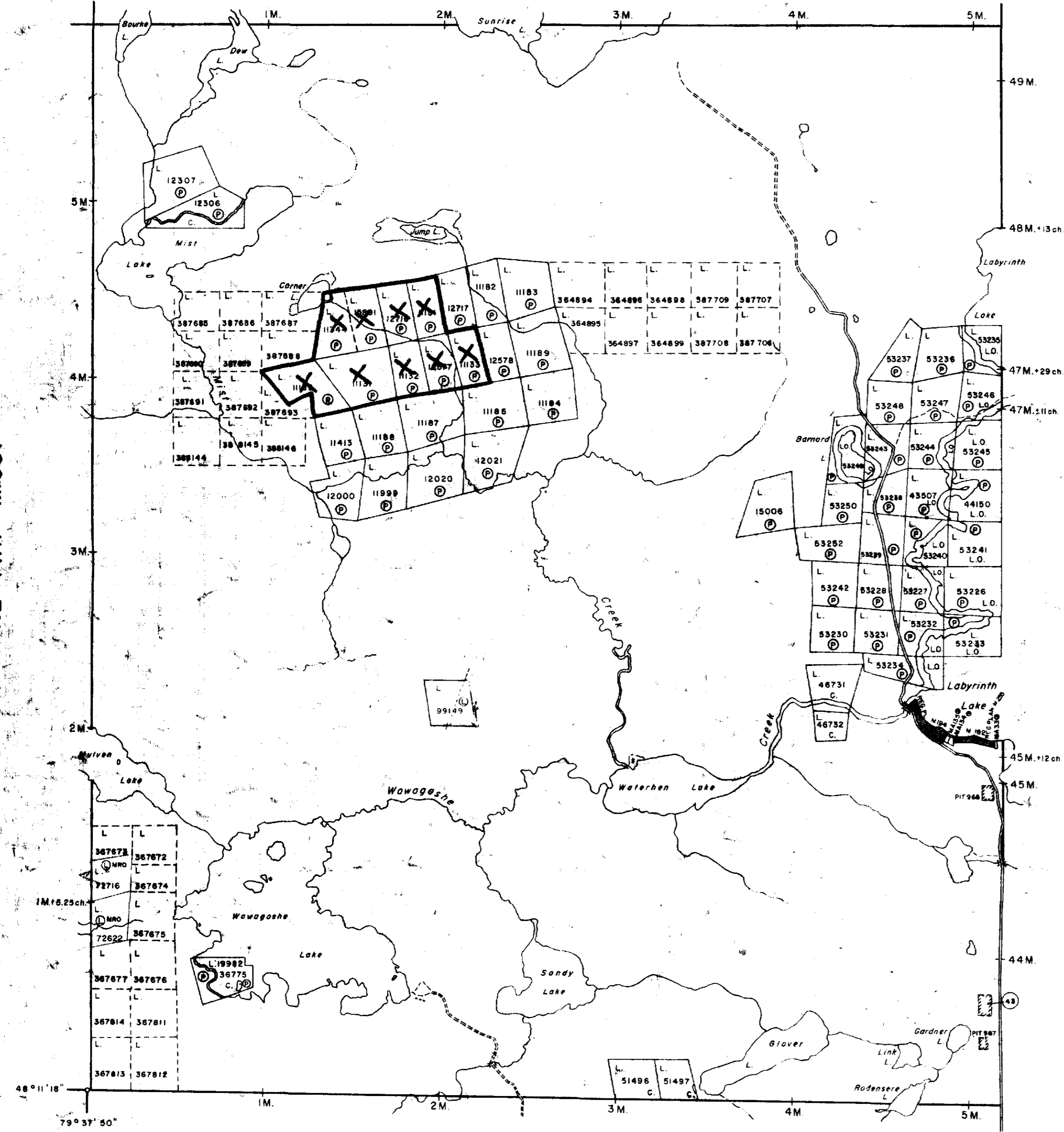
DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

KATRINE TWP - M.357

PROVINCE OF QUEBEC



LEGEND

- PATENTED LAND (P)
- CROWN LAND SALE (C.S.)
- 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)
- CANCELLED (C)

NOTES

400' surface rights reservation around all lakes and rivers.

Summer resort locations patented for surface rights only shown thus ⊙

Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970).

Order No.	File	Date	Disposition
43	W.64/74	98371	4/12/74 S.R.O.

MINING LANDS -
DATE OF ISSUE
NOV 27 1975
MINISTRY OF NATURAL RESOURCES

PLAN NO. **M.378**

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

McGARRY TWP - M.369

