



42A12SW0276 63.332 ENID

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Assessment Report

23. 332

Lepic-Gagnon Nickel-Copper Claims (Sweet Property)
Enid Twp., Ontario

Location

Owners A. Lepic and E. Gagnon
Timmins, Ontario.

The claim group comprises nine claims S62064 to 72 inclusive.

Access

The property was reached by aeroplane from South Porcupine, a landing being made on Sweet Lake.

Name of Firm

The survey was conducted by the field staff of the Hollinger Consolidated Gold Mines, Ltd.

Dates

The survey was made between July 16th and August 16th, 1952.

Assessment Credit

As insufficient grid lines were cut to embody the whole group only three of the above nine claims are being submitted for assessment credit and then only for the geological portion of the survey. The claims referred to are S62065, 62067 and 62069.

Purpose of Survey

The object of the survey was to explore an area surrounding two small nickel-copper showings (No. 1 on Claim S-62067 and No. 2 on Claim S-62069).

Types of Instruments Used

A Gurley dip needle was used for the preliminary survey.

An Askania magnetometer having a sensitivity of 17.79 was used for the final survey.

Geophysical Measurements

1. Dip Needle Magnetic Readings

Two small grids were prepared (one for each showing) with lines 100 feet apart. Readings were taken on stations located at 50-ft. intervals on these lines. A total of 240 readings were taken. (See accompanying plans - Scale 1" = 50').

N.B. No assessment credit is being asked for any of the geophysical work. W.N.H.

2. Askania Magnetic Measurements

Additional lines were cut to connect the two small grids and to provide stations whereby the overburdened area, especially, could be explored magnetically. Stations were read at 50 ft. intervals, a total of 750 being measured in all. (See accompanying plan - Scale 1" = 200').

Distribution of the geological survey work is summarized in the following table:

| <u>Type of Work</u> | <u>Man Days</u> | <u>Assessment Value-Days</u> |
|-----------------------------|-----------------|------------------------------|
| Line Cutting | 15 | 60 |
| Geological Mapping | 4 | 16 |
| Surveying & Chaining | 4 | 16 |
| Office Work, Drafting, etc. | 8 | 32 |
| <i>Insert *</i> | <u>31</u> | <u>124</u> |

The persons employed on the survey were:

- Geologist & Surveyor W. H. Hansen
158 Balsam St., S.,
Timmins, Ont.
- Survey Helper, Chainman C. Rundle
246 Elm St., S.,
Timmins, Ont.
- Line Cutters J. Niemi,
Spruce St. S.,
Timmins, Ont.
- and -
- N. Johanen,
Timmins Hotel,
Timmins, Ont.

The dates worked by each individual on the various phases of the survey are as follows:-

W. H. Hansen

- Surveying July 31, Aug. 1
- Chaining August 2 and 3
- Line Cutting July 16, 17 and 23
- Geological Mapping July 28, Aug. 3, 4 and 11
- Office work, drafting, etc. Dec. 4, 5, 6, 8 and 9.
- Geophysical measuring* *July 25, 26, 27, Aug 7, 8.*

*Insert * Geophysical Measuring 9 days (In addition to 31 shown)*

C. Rundle

| | |
|------------------------------|----------------------------------|
| Surveying | July 31, Aug. 1 |
| Chaining | August 2 and 3 |
| Line Cutting | July 16, 17, 23 and Aug. 1, 2, 3 |
| Office work, drafting, etc. | Dec. 4, 5, 6, 8 and 9 |
| <i>Geophysical Measuring</i> | <i>July 25, 26, 27, Aug 7*8</i> |

J. Niemi

Line Cutting July 26, 31, Aug. 1, 2 and 3

N. Johansen

Line Cutting July 26, 31, Aug. 1, 2 and 3

3. Geology

Following is a table showing the geological sequence of the rocks encountered on the survey:-

Precambrian
-Matachewan

----- Quartz diabase

Algonian

----- Granite

Haileyburian

----- Gabbro

Keewatin

----- Greenstone - banded and hybridized

For descriptions see report and map legend.

In connection with the geological mapping, the northern and eastern parts of the area are heavily drift covered. It is only fitting that one mention the important help obtained from the magnetometer readings. Without them the pattern of the diabase dykes would not have been recognized and at least one would have been missed altogether.

Due to the widely spaced grid lines contouring of the magnetic values would be of little value. The readings over the gabbro outcrop areas are very erratic and in many instances extremely high values were obtained over drift covered areas. It is possible that some of these could be caused by pyrrhotite mineralization similar to that in nos. 1 and 2 showings.

An attempt was made to investigate some of the anomalies by trenching and test pitting. Three pits 11 feet deep, as shown on the accompanying plan, failed to reach bedrock while a trench south of no. 2 disclosed a narrow branch from a diabase dyke. Considerable stripping was also done in the vicinity of the two showings without adding anything to the extent of the mineralization as shown in the original trenches.

~~Respectfully Submitted~~

~~W. H. Hansen~~

Quartz Diabase

The youngest rock in the area is the quartz diabase. This occurs in dykes up to several hundred feet in width. It is a massive brownish weathering rock exhibiting chilled contacts. The general strike is a little west of north but a portion of one branch dyke has a definite northwest-southeast trend.

Granite

The only granite outcrops observed were on the south boundary. They vary from gray to pale pink in color. A sample from a well mineralized outcrop (pyrite) assayed nil in gold. There is much granite further to the south.

Gabbro

These rocks vary greatly in color, grain size and mineral composition. Those observed along the south boundary of the group are light weathering and highly feldspathic with only occasional patches of greenish ferro-magnesian minerals. In the vicinity of no. 2 showing they are slightly more basic but one wedge-shaped mass consists almost entirely of gray, slightly sheared feldspar. The balance of the gabbroid rocks are extremely basic exhibiting much coarse pyroxene thus giving the rock a deep green appearance on the weathered surface. Some patches show crystals up to 1 inch in X-section. In various places throughout the gabbro mass free magnetite is common. It is especially noticeable in the central part of Claim 8-62067.

Keewatin Greenstone

The greenstone seen on the northern and western side of the claim group is considerably hybridized by the large granite masses to the south. It has a definite gneissoid structure, the foliation being a little south of east and the dip close to vertical. It exhibits light and dark colored bands. A similar description would apply to outcrops observed several miles southwest of the group.

Assessment Record

Attached is a statement showing the number of days recorded against each claim on account of the survey.

Respectfully Submitted

W. H. Hansen

Distribution of Geological Work

Submitted to
Mining
Recorder

| Claim # | Type of Work | Days Worked | Total Days Worked | Assess't Days | Assess't Applied | Days For |
|---------------|----------------------|-------------|-------------------|---------------|------------------|----------|
| 8-62065 | Line Cutting | 3.3 | 7.3 | | 40 | 10 |
| | Surveying & Chaining | 1.0 | | | | |
| | Geolog. Mapping | 1.0 | | | | |
| | Drafting & report | 2.0 | | | | |
| 8-62067 | Line Cutting | 6.7 | 13.7 | | 40 | 10 |
| | Surveying & Chaining | 2.0 | | | | |
| | Geolog. Mapping | 2.0 | | | | |
| | Drafting & report | 3.0 | | | | |
| 8-62069 | Line Cutting | 5.0 | 10.0 | | 40 | 10 |
| | Surveying & Chaining | 1.0 | | | | |
| | Geolog. Mapping | 1.0 | | | | |
| | Drafting & report | 3.0 | | | | |
| TOTALS | | 31.0 | 31.0 | 124.0 | 120 | 30 |

N.B

In addition to the above there was geophysical work as follows:-

Claim 8-62065 2 days
 " 62067 4 "
 " 62069 3 "
 Total 9 days

W. H. Hansen

0+00E

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16
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High
Gabbro
Outcrop

6" Quartz
Vein

1153

1041

948

911

929

888

820

809

797

813

809

848

850

863

822

758

721

707

7+00E

BASE LINE 80° MAG

2081

1742

1592

1336

1370

1475

1398

1453

1363

1396

1525

1704

1444

909

1101

1048

2467

1051

913

861

863

10+00E

1012

971

905

900

978

621

3473

1060

1158

1217

989

861

861

861

11+00E

937

927

877

847

790

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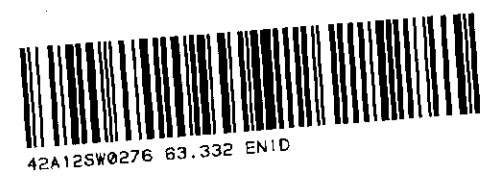
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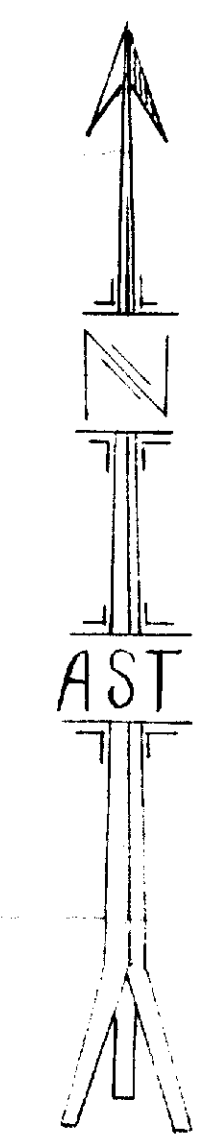
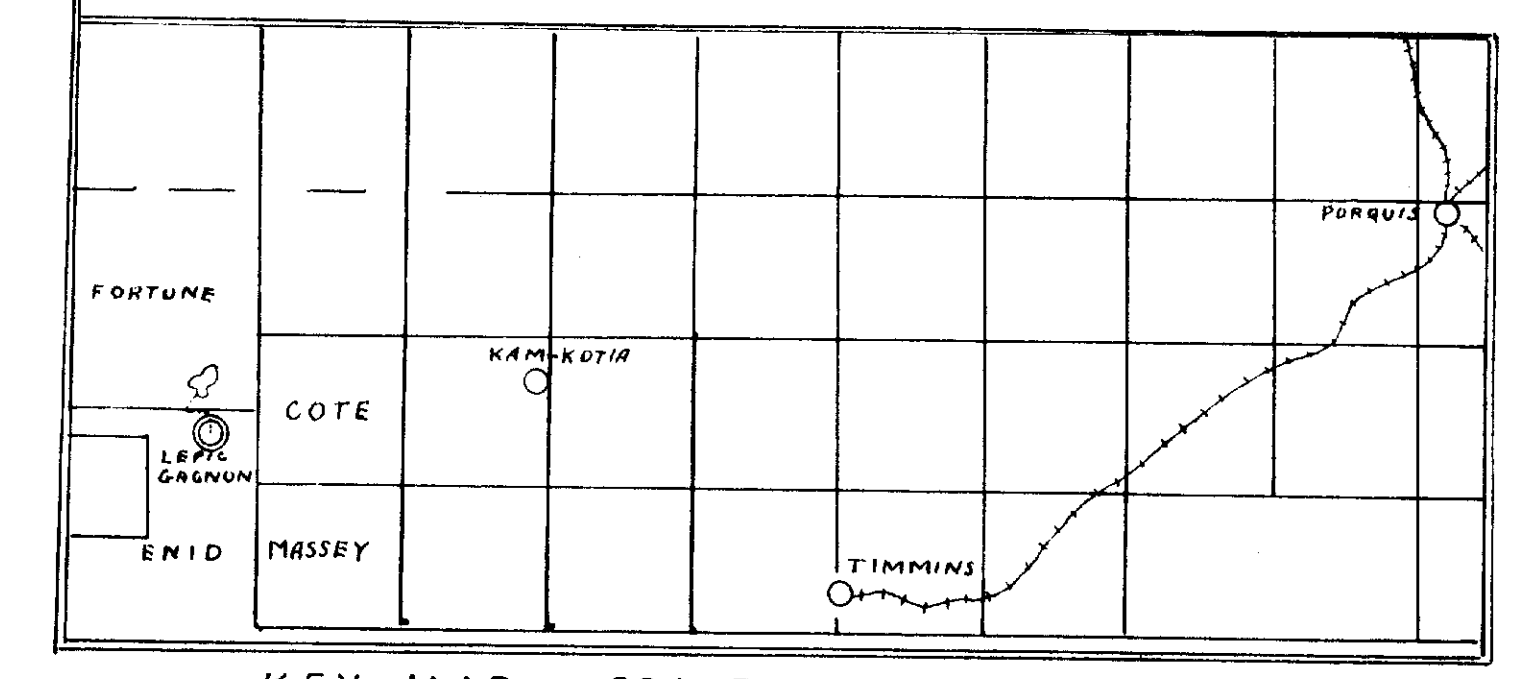
MAGNETOMETER
DIP NEEDLE READINGS

LEPIC-GAGNON NICKEL CLAIMS
(SWEET PROPERTY) CLAIM 19513
No. 2 Outcrop
Scale - 1" = 50'

SYMBOLS
1704 Gammas (To left of Vert. Line)
16 Dip Needle Scale Divisions
(To Right of Vert. Line)



FORTUNE TWP.
ENID TWP.



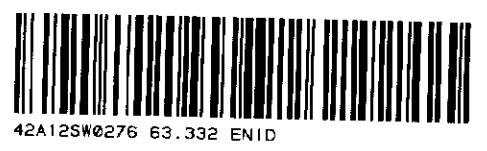
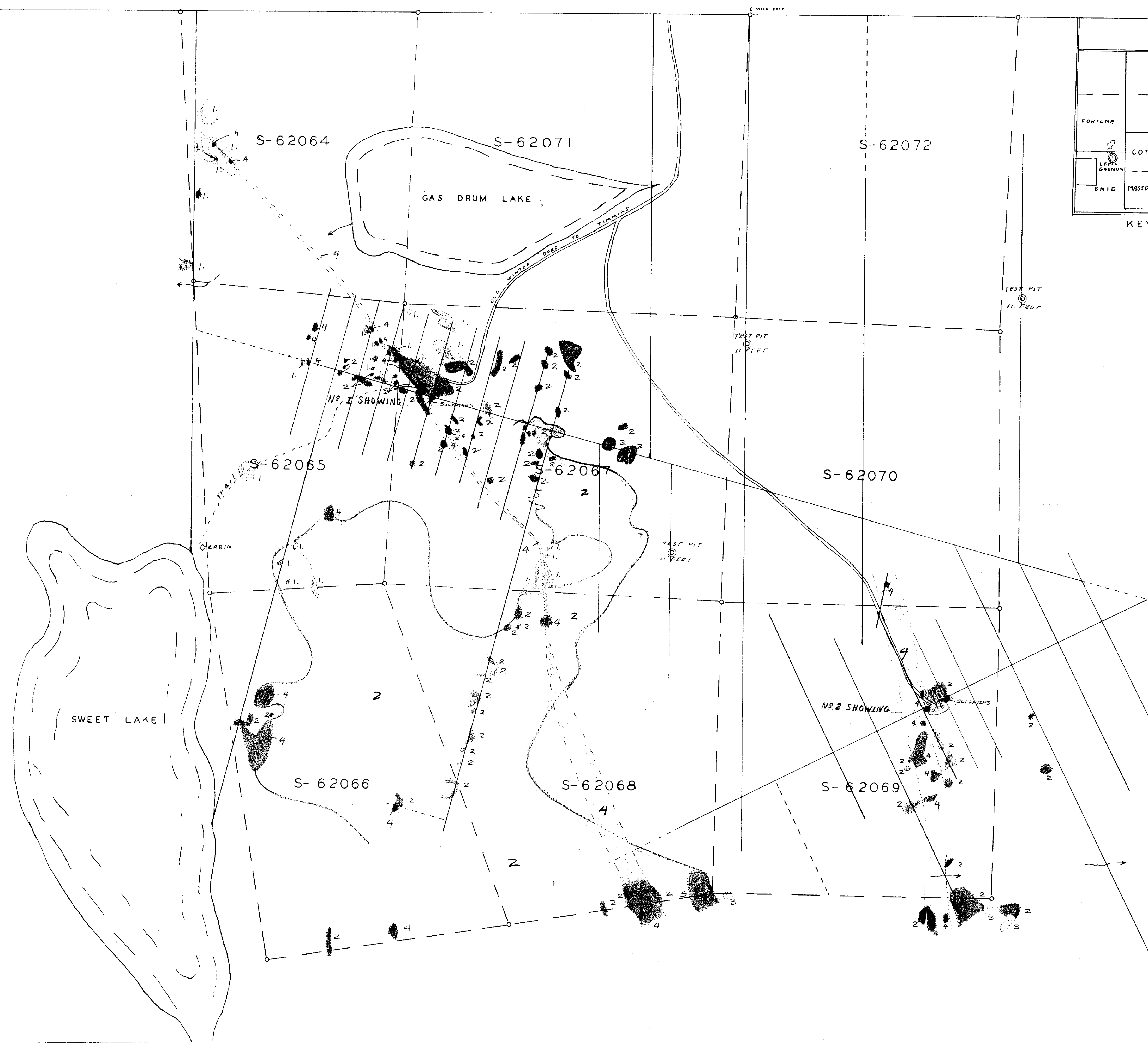
LEGEND

- 4 [Pattern] QUARTZ DIABASE
- 3 [Pattern] GRAY GRANITE
- 2 [Pattern] GABBRO, LIGHT WEATHERING DARK GREEN VARIETIES
- 1 [Pattern] KEEWATIN GREENSTONE, CONSIDERABLY HYBRIDIZED BY BANDS

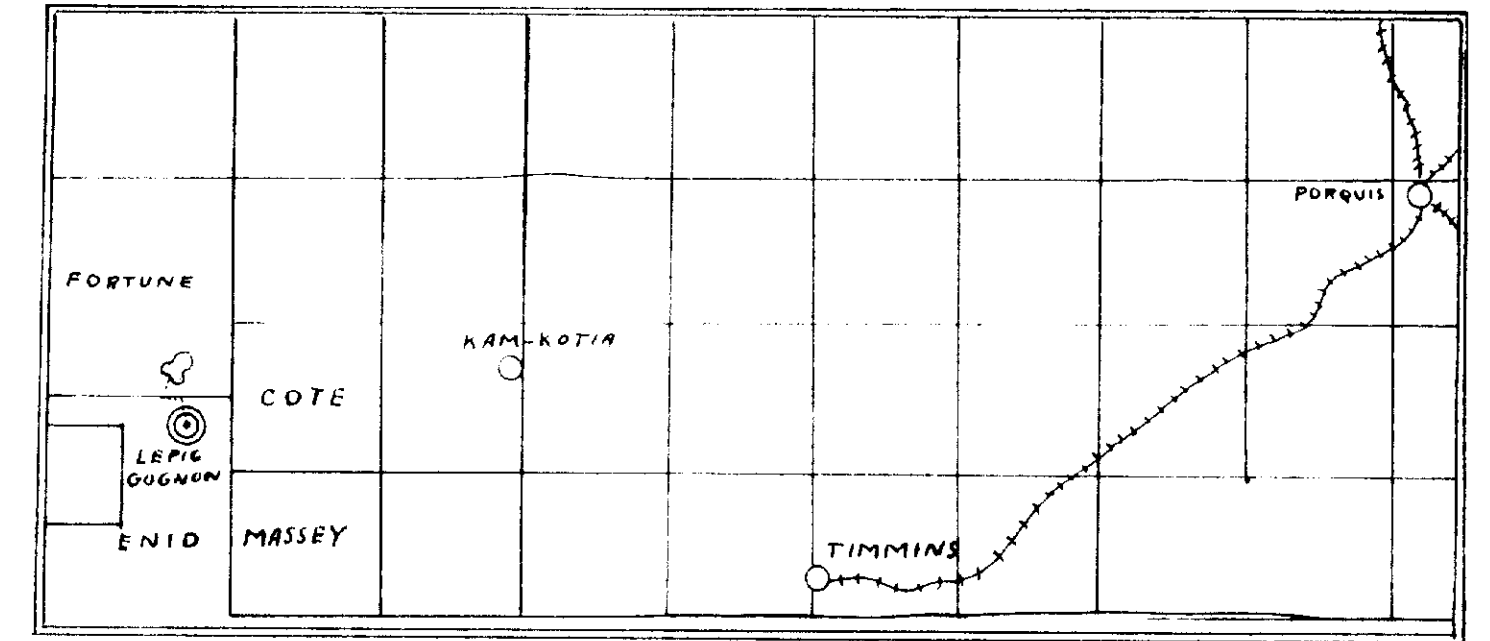
SYMBOLS

- [Symbol] SEMI-MASSIVE SULPHIDES MOSTLY PYRRHOTITE
- [Symbol] TEST PITS
- [Symbol] DIAMOND DRILL HOLES
- [Symbol] WINTER ROAD
- [Symbol] TRAIL
- [Symbol] TRAVERSE LINES INCLUDES ALSO CLAIM & GRID LINES

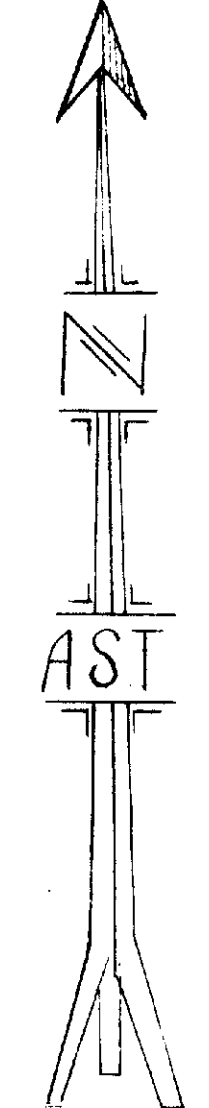
MAP
OF
GEOLOGICAL SURVEY
LEPIC-GAGNON NICKEL-COPPER CLAIMS
N°62064 - 62072
ENID TWP ONT.
SCALE 1 IN = 200 FT
1952



FORTUNE TWP.
ENID TWP.



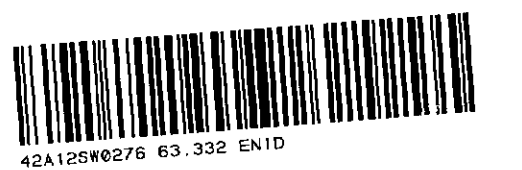
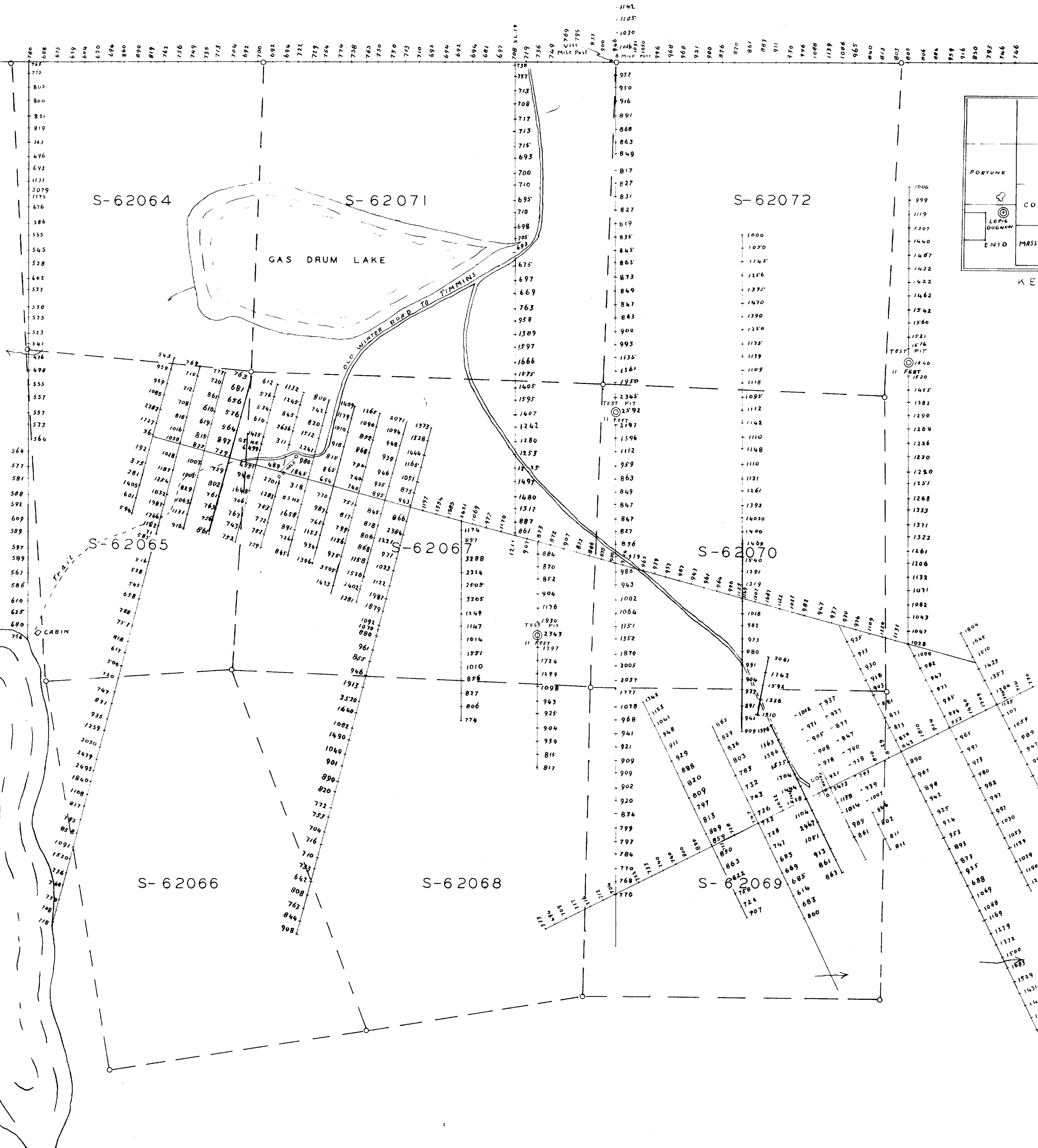
KEY MAP SCALE - 1 IN = 7.89 MILES.

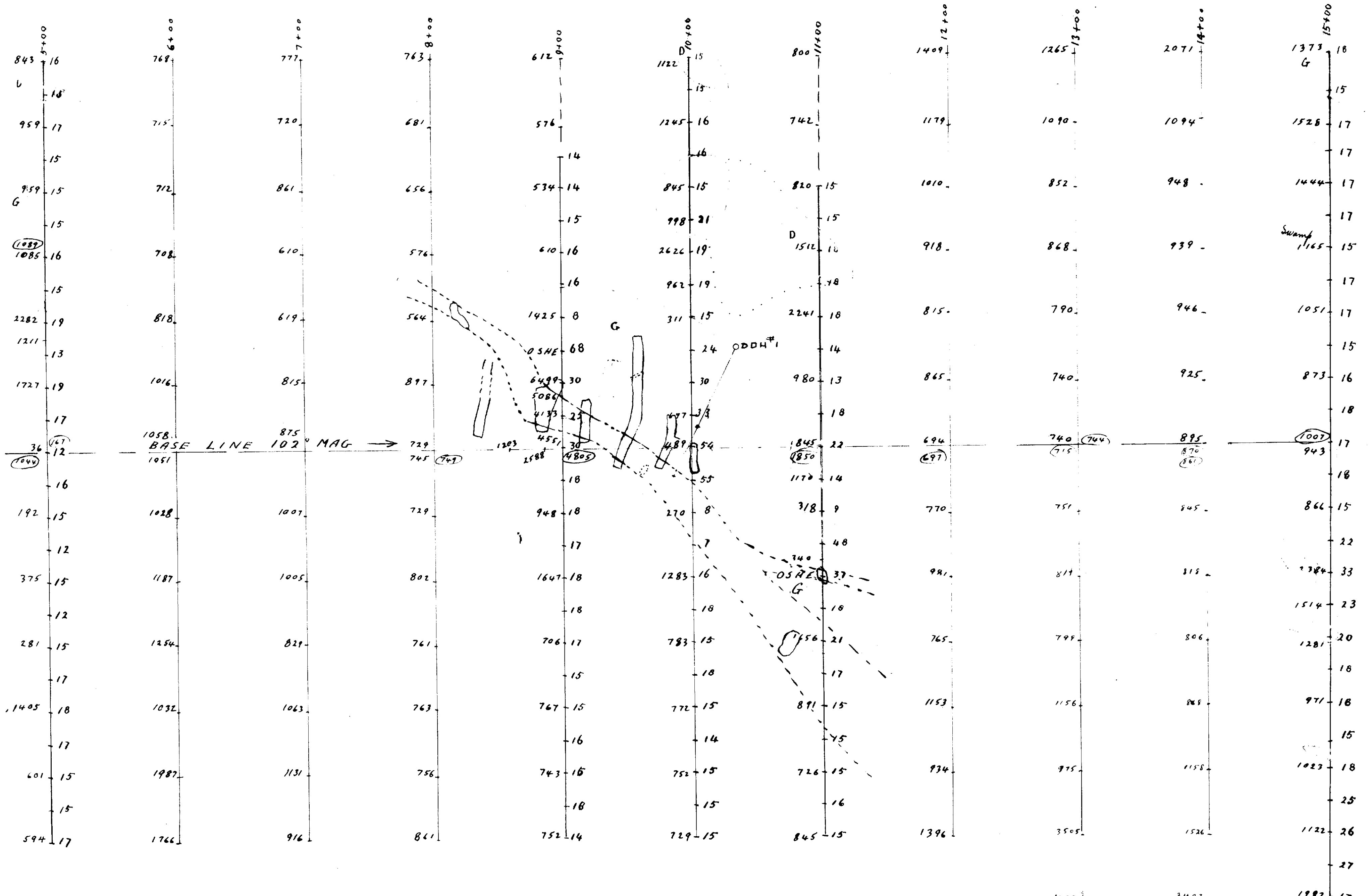


SYMBOLS

- MAGNETOMETER READINGS IN GAMMAS.
- MAGNETOMETER GRID.
- DIAMOND DRILL HOLES.
- CLAIM POST.
- TEST PITS (NO LEDGE)
- WINTER ROADS
- CLAIM LINES
- TRAILS
- CLAIM NUMBERS

MAP
OF
MAGNETOMETER SURVEY
LEPIC-GAGNON NICKEL-COPPER CLAIMS
N° 62064 - 62072
ENID TWP. ONT.
SCALE 1 IN = 200 FT.
1952





1423 2402
 MAGNETOMETER
 &
 DIP NEEDLE READINGS
 1879
LEPIC-GAGNON NICKEL CLAIMS
 (SWEET PROPERTY) CLAIM 19511
 No. 8 Outerop
 Scale - 1" = 50'
 July 1952

SYMBOLS
 1704 Gammas (To Left of Vert. Line)
 16 Dip Needle Scale Divisions
 (To Right of Vert. Line)

