



41116NW0109 0016B1 CLEMENT

010

63-A-369

**GEOLOGICAL REPORT**

ON *the*  
*Claude Cook*  
**CLAIM GROUP**

**MACBETH AND CLEMENT TOWNSHIPS**

**PROVINCE OF ONTARIO**

**BY**

**R. J. COOK,**

**GEOLOGIST**

**GEOLOGICAL REPORT**

ON THE  
**CLAUDE COOK CLAIM GROUP**

**MACBETH & CLEMENT TWPS**

**PROVINCE OF ONTARIO**

**BY**

**R. J. COOK, GEOLOGIST**

**NOVEMBER 2, 1959**

**NOVEMBER 2, 1959**

|                 |                         |
|-----------------|-------------------------|
| ASSESSMENT WORK |                         |
| Rec'd from      | <i>Resident Geology</i> |
|                 | <i>COBALT</i>           |
| Date            | <i>Nov 2 '59</i>        |
|                 | <i>RJC</i>              |
|                 | Resident Geologist      |

*Former: Noranda Manitou Lake Property.*

**Former : Noranda Manitou Lake Property**

J. COOK, B.Sc. M.Sc., F.G.S.  
MINING CONSULTANT

*Surveyed for Stan Walsh of Matachewan, Ont.*

INTRODUCTION

The property, discussed herein, consists of 10 unpatented and unsurveyed mining claims located in Macbeth and Clement Townships in the Sudbury and Timiskaming Mining Divisions, Province of Ontario.

The claims were staked in 1957 and in the summer of 1959 a geological mapping program, some diamond drilling and some trenching was completed.

This report is based on information obtained from sources as set forth under "References" in this report.

PROPERTY

The property consists of 10 unsurveyed mining claims numbered as follows:

- S-103007 - S-103008
- T-43908 - T-43915

This comprises 400 acres more or less of land and land under water.

LOCATION AND ACCESS

The claims are located in Macbeth and Clement Townships about 25 miles north of the hamlet of River Valley, Ontario.

A good all weather road passes through the claims along the west side of Manitou Lake. This road connects

with Highway 64 about 37 miles southwest of the property and near the town of Field, Ontario.

#### TIMBER

Most of the timber on the property consists of second growth poplar and birch with some alders in the low lying ground. There are, however, a few pine trees on the property which rise well above the growing level of the second growth timber.

#### TOPOGRAPHY

The most prominent topographic features on the property are a group of high hills along the west side of Manitou Lake. Elevation differences are of the order of 250-300 feet.

#### GENERAL GEOLOGY

All of the consolidated rocks on the property are of Precambrian Age. These are covered to a large extent by peat, gravel, boulders, sand, and clay of Recent and Pleistocene age.

The predominant rock types are believed to be of Timiskaming Age and consists principally of quartzite, arkose, and greywacke. The rocks of Timiskaming Age are tightly folded with iron formation and greenstones of Keewatin Age. The sediments dip almost vertically confirming a very close folding of the formations.

The rocks of Timiskaming and Keewatin Age are intruded by red and grey feldspar porphyries of Algoman age and diabase of Keweenawan age.

The rocks of Algoman age occur as small stocks and dikes. The Keweenawan diabase occurs as a flat lying sill and outcrops near the northern boundary of the property. These formations are intrusive into the older Timiskaming and Keewatin rocks on the property.

Table of Formations

QUATERNARY

- Recent: Peat and stream sands.
- Pleistocene: Gravel, boulders, and clay.

Great unconformity

PRECAMBRIAN

- Keweenawan: Diabase.
- Algoman: Red and grey feldspar. Porphyries.

Intrusive Contact

- Timiskaming: Quartzite, arkose, greywacke.
- Keewatin: Greenstone and iron formation.

ECONOMIC GEOLOGY

There are bands of almost pure magnetite in the iron formation. The iron is interbanded with bands of siliceous and calcareous sediments. While a cover of overburden conceals much of the property it is believed that the magnetite occurs as lense-like pods which vary in width

from a few inches up to several feet. There may be several lenses of magnetite arranged en echelon throughout the iron formation.

North of the iron formation and parallel to it there is a sulphide occurrence or occurrences which strike northwesterly as does the iron formation and dip vertically. The principal sulphides are pyrite and pyrrhotite with some chalcopyrite.

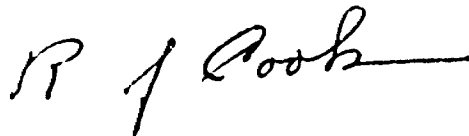
#### REFERENCES

1) Ontario Department of Mines, Volume XLV, Part VI, 1936, Pages 38-48; Geology of the Afton-Scholes Area by E. S. Moore.

2) Field investigations by the writer during the summer of 1959. All rock identifications are by field inspection only.

November 2nd, 1959.

Respectfully Submitted,



R. J. Cook.

W J. COOK, B.Sc. M.Sc., F.G.S.  
MINING CONSULTANT

• 82 RICHMOND ST. W., TORONTO 1, ONT. •  
• SUITE 412 •  
• TEL. EM. 9-2343 •

November 24th, 1959.

Breakdown of Work

Re: Geological Survey  
Macbeth and Clement Townships  
S.103007-8, T.43908 to 15 (inclusive)

Line Cutting

|   |                        |                |
|---|------------------------|----------------|
| Wm. Emnis,<br>350 Wembley Drive,<br>Sudbury, Ontario. | July 15 - Aug. 2, 1959 | 18 days        |
| Victor Deroy,<br>Milnet, Ontario.                     | July 15 - Aug. 2, 1959 | <u>18 days</u> |
|   | TOTAL =                | 36 days        |

Assessment =  $4 \times 36/10 = \underline{14.4 \text{ days}}$  per claim.  
Lines cut = 22,800 feet.

Geological Survey

|  |                       |                |
|--|-----------------------|----------------|
| Wm. Emnis, Assistant,<br>350 Wembley Drive,<br>Sudbury, Ontario.     | Aug. 3 - Aug.24, 1959 | 19 days        |
| Victor Deroy, Assistant,<br>Milnet, Ontario.                         | Aug. 3 - Aug.24, 1959 | 19 days        |
| F. O. Lewis, Assistant,<br>Milnet, Ontario.                          | Aug. 3 - Aug.24, 1959 | 5 days         |
| R. J. Cook, Geologist,<br>62 Richmond St. West,<br>Toronto, Ontario. | Aug. 3 - Aug.24, 1959 | <u>15 days</u> |
|  | TOTAL =               | 58 days        |

Assessment =  $4 \times 58/10 = \underline{23.2 \text{ days}}$  per claim.

Preparation of Report and Maps

R. J. Cook,  
62 Richmond St. West,  
Toronto, Ontario

Sept. 19 - Sept. 24, 1959 3 days

F. O. Lewis,

Sept. 19 - Sept. 24, 1959 3 days

TOTAL - 6 days

Assessment - 4 x 6/10 - 2.4 days per claim.

R. J. Cook, Geologist.



4116NW0109 0016B1 CLEMENT

900

# Mining Claim T N<sup>o</sup> 43908

Claude Cook, Elk Lake

B 16379

31 Jan 27

CLEMENT TWP: #3 post approximately 1/4 mile north of the 5 mile post on the west township boundary; Including land under water; Excl. 400' surface rights reservation.

( T 36497)

NAME AND ADDRESS OF LICENSEE

NUMBER OF LICENSE

QUALITY

TEMAGAMI PROV. FOREST

DATE AND HOUR OF STAKING

2 July 1957 at 10.45 AM

DATE OF RECORDING

8 July 1957.

RESTRICTION PERMIT GRANTED

RESTRICTION PERMIT REFUSED

PERCENTAGE OF RECORD GRANTED

PERCENTAGE OF WORK GRANTED

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**

3 July 58 Order Mining Commissioner extending the time to 8 July 59  
 6 July 59 Order Mining Commissioner extending the time to 30 Sep 59  
 28 Sep 59 no geological survey - approved 16 Dec 59  
 D.D. T-43911

~~CANCELLED UNDER  
SECTION 93  
OCT 1 1968  
OF THE MINING ACT~~

29 June 60 Order Mining Commissioner extending the time to 9 July 61  
 6 July 61 Manual T-43910  
 20 June 62 Order Mining Commissioner extending the time to 8 July 63

**CANCELLED SEC. 91-1 (C)**  
**JUL 10 1968**  
**THE MINING ACT**

... of the parties  
 and Book C-1 is not to be considered  
 as evidence of the validity of the claim

JUN 28 1973  
 LARRY RAY  
 Registrar

T-5-3-53

3rd July/58 Order Mining Commissioner extending the time to 8 July/59  
 6th July/59 Order Mining Commissioner extending the time of 30 Sep/59  
 28th Sep./59 40 Geological Survey -approved 16th Dec./59  
 46.4 D.D. T-43911  
 29th June/60 Order Mining Commissioner extending the time to 9 July/61  
 6th July/61 80 Manual T 43910  
 20 June/62 Order Mining Commissioner extending the time to 8 July/63



Mining Claim T N<sup>o</sup> 43908

Claude Cook, Elk Lake

B 16379

31 Jan 27

CLEMENT TWP: #3 post approximately 1/4 mile north of the 5 mile post on the west township boundary; Including land under water; Excl. 400' surface rights reservation.

( T 36497)

2 July 1957 at 10.45 AM

8 July 1957.

NAME AND ADDRESS OF LICENSEE

NUMBER OF LICENSE

LOCALITY

TEMAGAMI PROV. FOREST

DATE AND HOUR OF STAKING

DATE OF RECORDING

FORESTRY PERMIT GRANTED

FORESTRY PERMIT REFUSED

CERT. OF RECORD GRANTED

CERT. OF WORK GRANTED

3 July 58  
6 July 59  
28 Sep 59

Order Mining Commissioner extending the line 15 8 July 58  
Order Mining Commissioner extending the line 16 30 Sep 59  
no geological survey - approved 16 Dec 59  
d/d 12/11

CANCELLED UNDER SECTION 93 OCT 21 1968 OF THE MINING ACT

29 June 60  
6 July 61  
20 June 62

Order Mining Commissioner extending the line 15 7 July 61  
manual T43910  
Order Mining Commissioner extending the line 15 8 July 62

CANCELLED SEC. 91-1 (c) JUL 10 1963 THE MINING ACT

Abstracts & copy of the entries in the...  
JUN 28 1973  
LAPORTE LAKE MINING DIVISION

T5-3537

# Mining Claim T N<sup>o</sup> 43915

Stewart Mishimins, Elk Lake

J 4858 23 May 39

CLEMENT TWP: East of and adjoining T 43914, including land under water; Excl. 400' surface rights reservation.

( T 36496)

3 July 1957 at 3.15 PM

8 July 1957.

**DUPLICATE CO.  
POOR QUALITY ORIGINAL  
TO FOLLOW**

NAME AND ADDRESS OF LICENSEE

NUMBER OF LICENSE

LOCALITY

TEMAGAMI PROV. FOREST

DATE AND HOUR OF STAKING

DATE OF RECORDING

FORESTRY PERMIT GRANTED

FORESTRY PERMIT REFUSED

PERM. OF RECORD GRANTED

PERM. OF WORK GRANTED

3 July 58

6 July 59

28 Sept 59

Order Mining Commissioner extending the time to 8 July 59 inc.  
Order Mining Commissioner extending the time to 30 Sept 59.  
40 Geological survey - survey approved 16 Dec 59

**CANCELLED UNDER  
SECTION 38  
OCT 2 1959  
OF THE MINING ACT**

30 Sept 59

28 Oct 59

28 Oct 59

29 June 60

"Pending Proceedings"  
Transfer all to Mr. Claude Cook, B. 16379 (dt. 18 Sept.  
By order of the Mining Commissioner (43912)  
"Pending Proceedings" ended.  
46.4 a/d T43911 (filed 28 Sept) (43408)  
Order Mining Commissioner extending the time to 9 July 61 inc. (43408)

Abstract of the  
Record Book and to not be considered as  
evidence of the validity of the claim.  
JUN 2 1960  
LARRY G. ...  
MINING RECORDER

**CANCELLED-SEC. 91-1 (C)  
JUL 11 1961  
THE MINING ACT**

150832

3 July/58

6th July/59

28th Sep.59 40

30 Sept./59

28 Oct/59

28 Oct/59

29 June 60

Order Mining Commissioner extending the time to 8 July 59  
Order Mining Commissioner extending the time to 30 Sept.59  
Geological Survey - survey approved 16th Dec./59  
"Pending Proceedings"  
Transfer all to Mr. Claude Cook, B 16379 (dt.18 Sept.  
By order of the Mining Commissioner. (43912)  
"Pending Proceedings" ended.  
46.4 a/d T43911 (filed 28 Sept) (43408)  
Order Mining Commissioner extending the time of 9 July/61

# Mining Claim T N<sup>o</sup> 43915

Stewart Mishimins, Elk Lake

WORK DONE  
DAYS

NAME AND ADDRESS OF LICENSEE

NUMBER OF LICENSE

J 4858 23 May 39

LOCALITY

TEMAGAMI PROV. FOREST

CLEMENT TWP: East of and adjoining T 43914, including land under water; Excl. 400' surface rights reservation.

( T 36496)

DATE AND HOUR OF STAKING

3 July 1957 at 3.15 PM.

DATE OF RECORDING

8 July 1957.

FORESTRY PERMIT GRANTED

FORESTRY PERMIT REFUSED

CERT. OF RECORD GRANTED

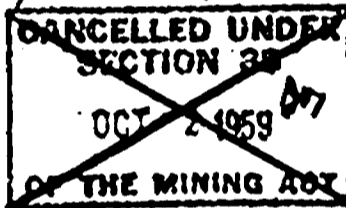
CERT. OF WORK GRANTED

3 July 58

6 July 59

28 Sept 59

*Order Mining Commissioner extending the time to 6 July 59. (u39)*  
*Order Mining Commissioner extending the time to 30 Sept. 59.*  
*no geological survey - survey approved 10 Dec 59*



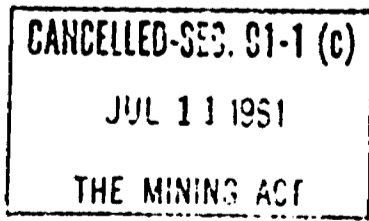
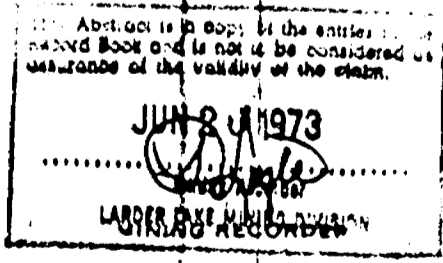
30 Sept. 59

28 Oct 59

28 Oct 59

29 June 60

*"Pending Proceedings"*  
*Transfer all to Wm Claude Cook, B. 16379 (2/18 Sept.)*  
*by order Mining Commissioner (u3912)*  
*Pending proceedings ended.*  
*46.4 Atd T43911 (filed 28 Sept.)*  
*Order Mining Commissioner extending the time to 9 July 61. (u3910)*



*SA* 150832

Mining Claim S. No 103007

WORK BOND DATA

ADDRESS OF

Claude Cook.

Elk Lake, Ont.

OF LICENSE

B16379

MacBeth twp.

Temagami Res.

Former S 86578.

ADD SURFACE RIGHTS INFORMATION

(No water on ground).

HOUR OF STAKING

July 2/57

@ 9.15 a.m.

RECORDING

July 15/57

PERMIT GRANTED

PERMIT REFUSED

RECORD GRANTED

WORK GRANTED

July 3/58

Extension to & incl. July 15, 1959 (103007)

July 6/59

Extension to and including Sept 30/59 (103007)

Sept. 28/59

46.4 (31.5 M.L.-14.9 D.D.) grouped

Sept. 28/59

40 ( Geological) approved Dec 16/59

Sept. 28/60

Extension of time to and including July 14/61 (103007)

July 11/61

40 power drilling (grouped)

July 20/61

Extension to and including October 16/61 (103007)

Oct. 18/61

Cancelled in error

Oct. 18/61

Extension to and including May 15/62 (103007)

CANCELLED-SEC. 91-1 (c)  
OCT 18 1961  
THE MINING ACT

CANCELLED-SEC. 91-1 (c)  
JUN 15 1962  
THE MINING ACT

**DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW**

Mining Claim S. N<sup>o</sup> 103007

WORK DONE  
DAYS

NAME AND ADDRESS OF  
LICENSEE

Claude Cook.

Elk Lake, Ont.

NUMBER OF LICENSE

B16379

CITY

MacBeth twp.

Temagami Res.

Former S 86578.

400' SURFACE RIGHTS EXTENSION

(No water on ground).

DATE AND HOUR OF STAKING

July 2/57

@ 9.15 a.m.

DATE OF RECORDING

July 15/57

DATE TRY PERMIT GRANTED

DATE TRY PERMIT REFUSED

DATE OF RECORD GRANTED

DATE OF WORK GRANTED

July 3/58

Extension to & incl. July 15, 1959 (103007)

July 6/59

Extension to and including Sept 30/59 (103007)

Sept. 28/59

46.4 (31.5 M.L.-14.9 D.D.) grouped

Sept. 28/59

40 ( Geological) approved Dec 16/59

June 28/60

Extension of time to and including July 14/61 (103007)

July 11/61

40 power drilling (grouped)

July 20/61

Extension to and including October 16/61 (103007)

Oct. 18/61

Cancelled in error

Oct. 18/61

Extension to and including May 15/62 (103007)

CANCELLED-SEC. 91-1 (c)

OCT 18 1961

THE MINING ACT

CANCELLED-SEC. 91-1 (c)

JUN 15 1962

THE MINING ACT

Mining Claim S. N<sup>o</sup> 103008

Claude Cook.

Elk Lake, Ont.

B 16379

MacBeth twp.

TEM. RES.

Former S 86579

(No Water on ground)

100' SURFACE RIGHTS REDEMPTION

July 2/57

@ 2.40 p.m.

July 15/57

ADDRESS OF

OF LICENSE

HOUR OF STAKING

RECORDING

PERMIT GRANTED

PERMIT REFUSED

RECORD GRANTED

WORK GRANTED

ly 3/58

Extension to & incl. July 15, 1959 (103007)

y 6/59

Extension to and including Sept 30/59 (103007)

28/59

46. (31.5 M.L.-14.9 D.D.) grouped

28/59

40 (Geological) approved Dec 16/59

28/60

Extension of time to and including July 14/61 (103007)

y 11/61

40 power drilling (grouped)

y 20/61

Extension to and including October 16/61 (103007)

ct. 18/61

Cancelled in error

ct. 18/61

Extension to and including May 15/62 (103007)

CANCELLED-SEC. 91-1 (c)  
OCT 13 1961  
THE MINING ACT

CANCELLED-SEC. 91-1 (c)  
JUN 15 1962  
THE MINING ACT

DUPLICATE COPY  
POOR QUALITY ORIGINAL  
TO FOLLOW

Mining Claim S. N<sup>o</sup> 103008

Claude Cook.

Elk Lake, Ont.

B 16379

MacBeth twp.

TEM. RES.

Former S 86579

(No Water on ground)

400' SURFACE MINING REPERMATION

July 2/57

@ 2.40 p.m.

July 15/57

WORK DONE  
DAYS

ADDRESS OF  
OFFICE

OF LICENSE

HOUR OF STAKING

RECORDING

PERMIT GRANTED

PERMIT REFUSED

RECORD GRANTED

WORK GRANTED

July 3/58

Extension to & incl. July 15, 1959 (103007)

July 6/59

Extension to and including Sept 30/59 (103007)

July 28/59

46.4 (31.5 M.L.-14.9 D.D.) grouped

July 28/59

40 ( Geological ) approved Dec 16/59

July 28/60

Extension of time to and including July 14/61 (103007)

July 11/61

40 power drilling (grouped)

July 20/61

Extension to and including October 16/61 (103007)

Oct. 18/61

Cancelled in error

Oct. 18/61

Extension to and including May 15/62 (103007)

OCT 13 1961  
THE MINING ACT

CANCELLED-SEC. 91-1 (c)  
JUN 15 1962  
THE MINING ACT

C.62

C.61

C.3

C-14

C-22

PLEASE NOTE

July 3rd, 1973

2 maps (geol 1" =  $\frac{1}{4}$  mi), Feb 1963 and claims sketch  
1" = 200') Sept 1959 - are missing from this file.  
Geo. Stevens, Research Officer, Mining Lands Branch,  
is to contact Manitou Lake and try to get copies  
for us.

Rec'd July 5/73  
(1 geol plan (1" =  $\frac{1}{4}$  mi)  
2nd " (1" = 200')

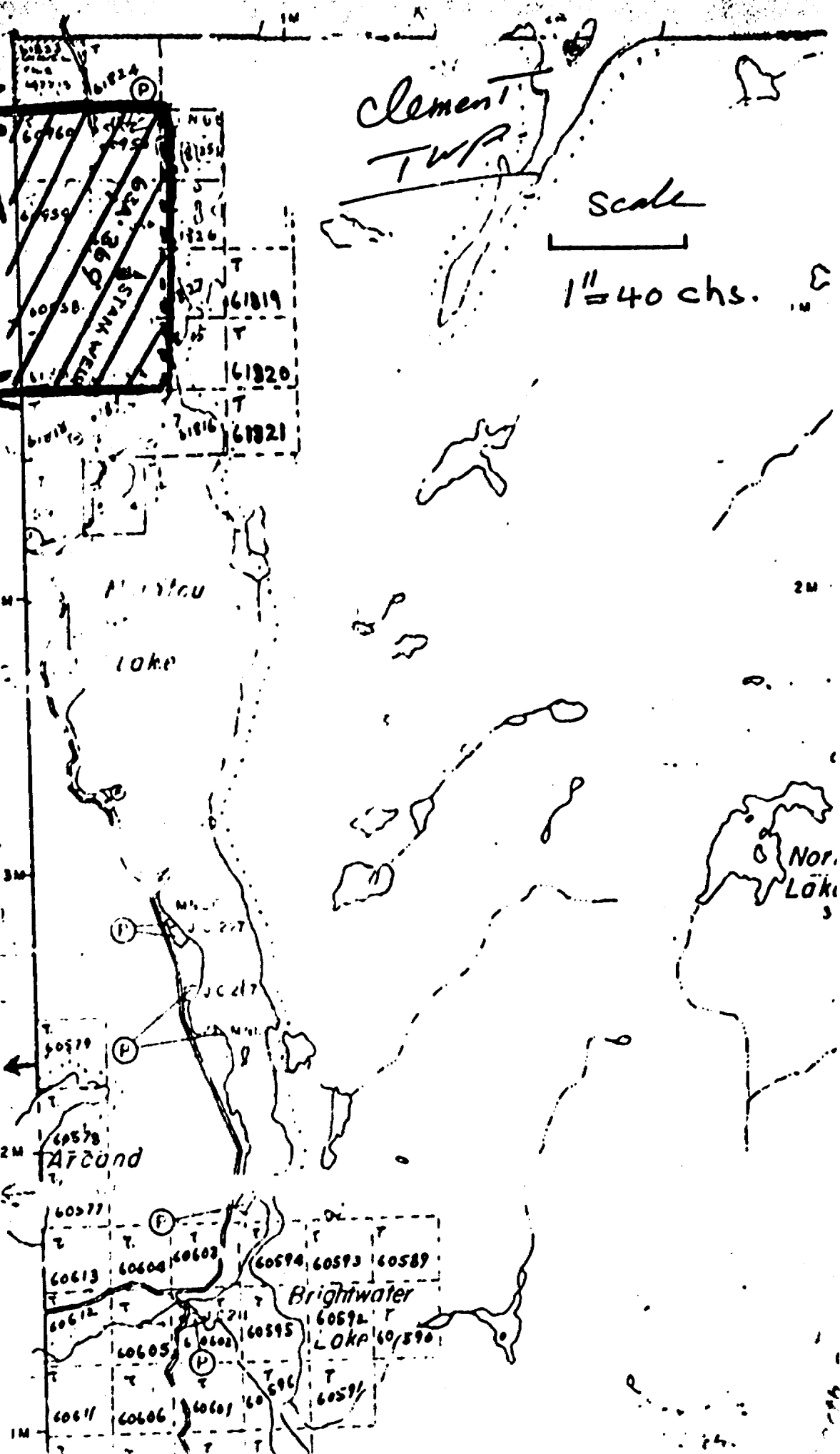


Macbeth Twp.

Clement Twp.

Scale

1" = 40 chs.



15.

4501.M

**H.**

**FOREST.**

MACBETH  
TWP  
M.1024

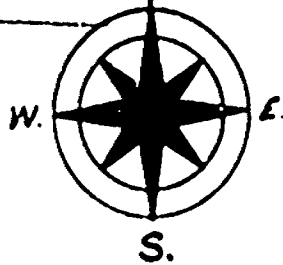
M.1024

Scale

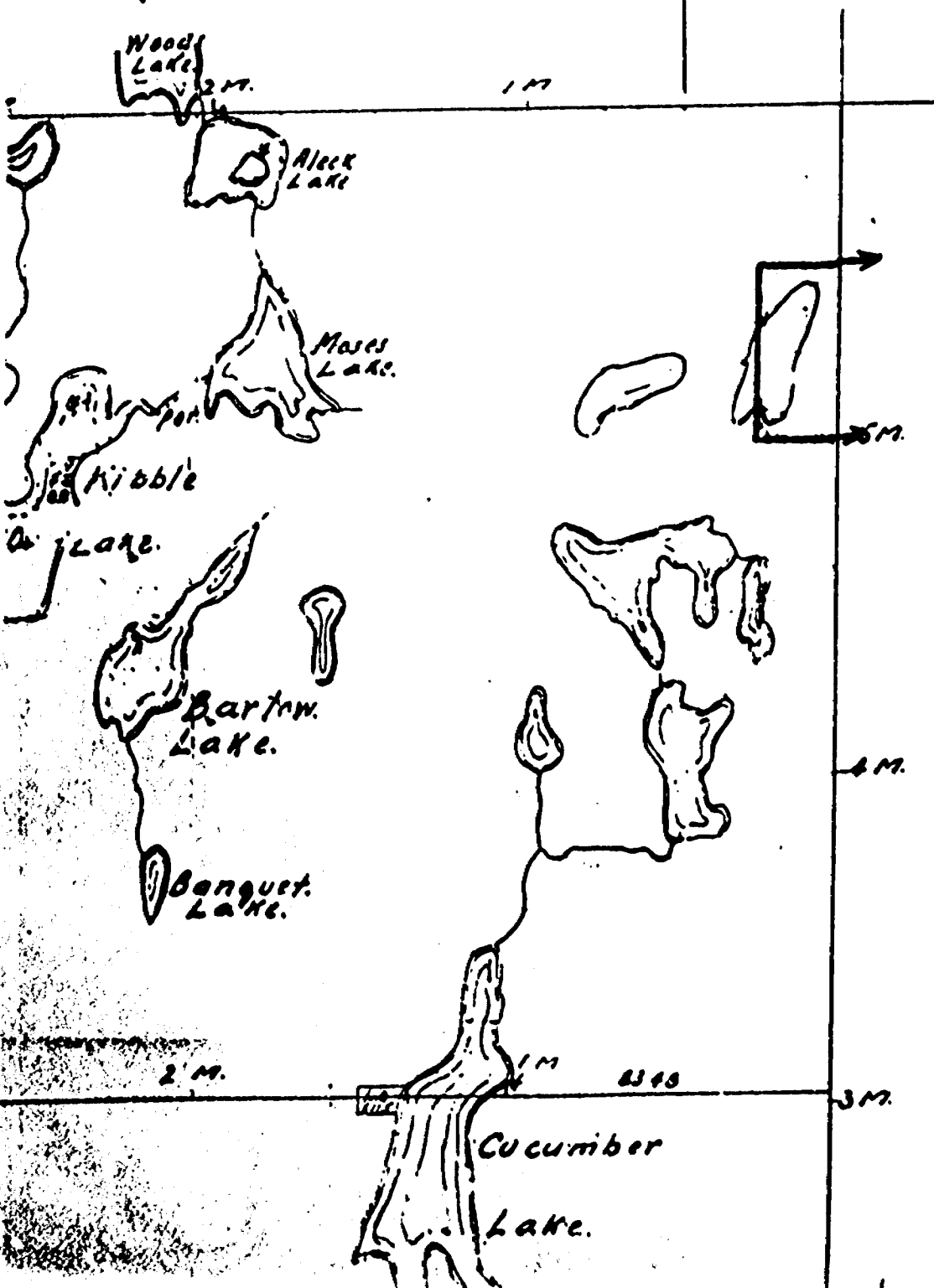
1" = 40 chs.

**3URY.**  
**DIVISION.**

inch.



Creek, C.

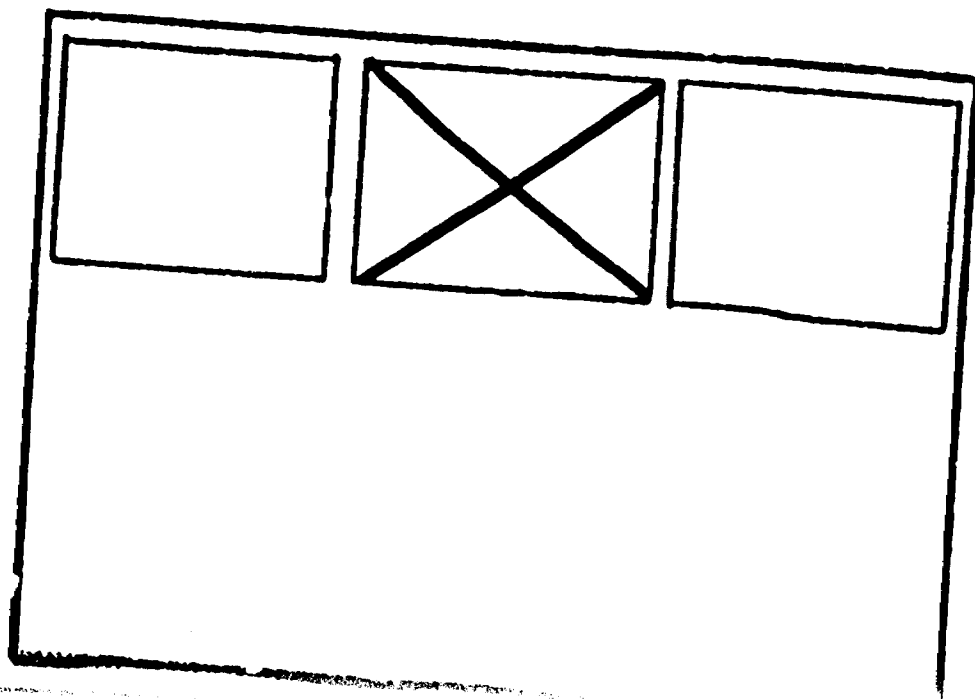


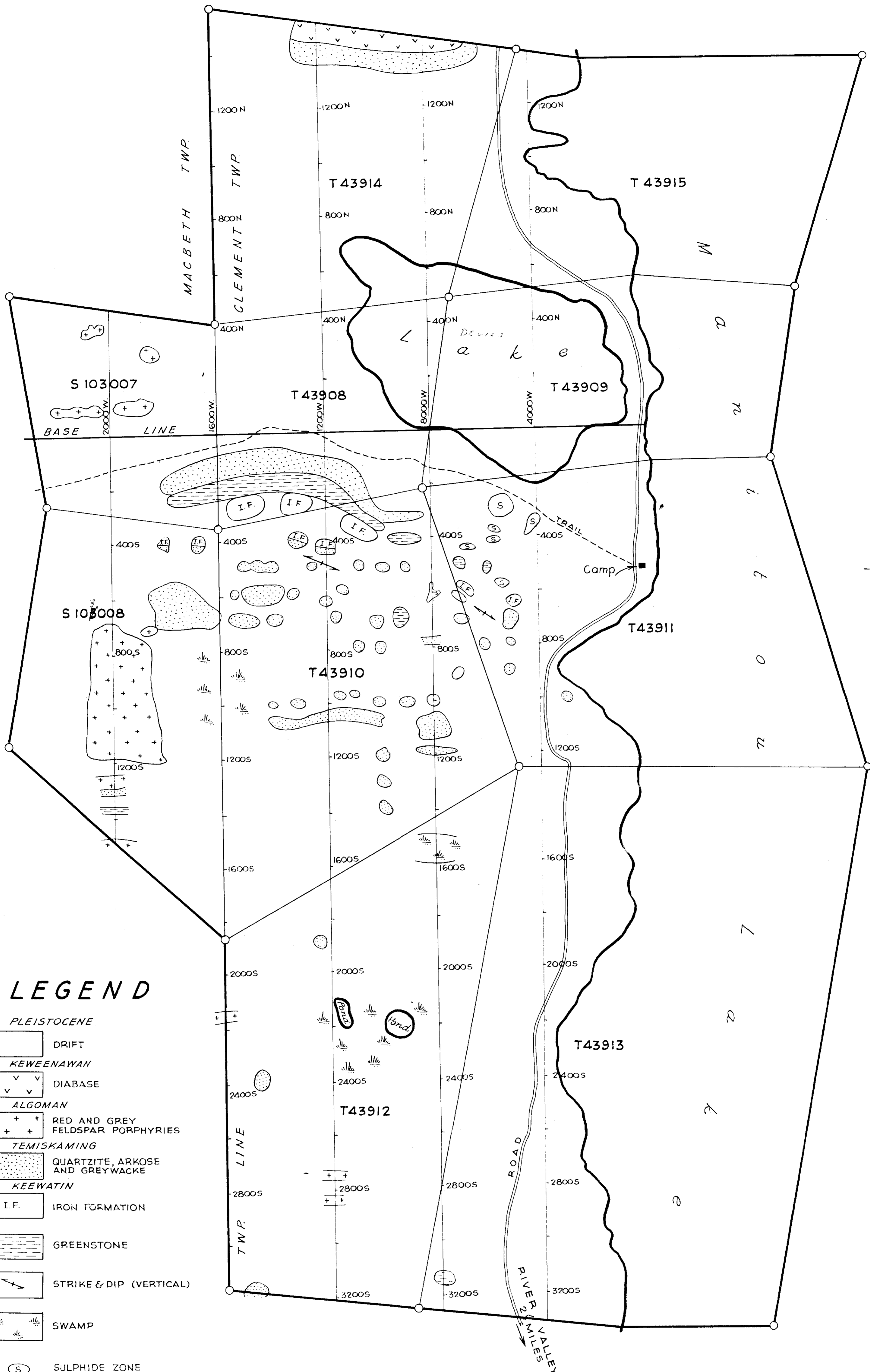
**LEMENT TWP.**

SEE ACCOMPANYING  
MAP(S) IDENTIFIED AS

CLEMENT - 0016 - B1 #1

LOCATED IN THE MAP  
CHANNEL IN THE FOLLOWING  
SEQUENCE (X)





**LEGEND**

- PLEISTOCENE
  - DRIFT
- KEWEENAWAN
  - DIABASE
- ALGOMAN
  - RED AND GREY FELDSPAR PORPHYRIES
- TEMISKAMING
  - QUARTZITE, ARKOSE AND GREYWACKE
- KEEWATIN
  - I.F. IRON FORMATION
  - GREENSTONE
  - STRIKE & DIP (VERTICAL)
  - SWAMP
  - SULPHIDE ZONE

**CLAIM GROUP**  
 MacBeth and Clement Twp.  
 PROVINCE OF ONTARIO



*F. J. Cook, Geologist*  
*Sept 23, 1957*

**CLEMENT - 0016-B1-#1**

