



42A01SE0145 2.3819 OTTO

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Assessment Report

Proton Magnetometer Survey

**Dyment-Kidston Group D, Vigrass Lake
Otto Township, Lardež Lake Mining Division**

March 26, 1981

L. M. Dyment

SUMMARY

The 4 claims comprising two water claims and two land claims were staked in October of 1979. The following summer lines were cut on the land claims and an extension of assessment work of 6 months was requested. During the winter of 1981 the lines were continued onto the lake and geophysical surveys were carried out.

INTRODUCTION

This report is to cover claims 544549, 544544, 544545, and 544546. The geology of the area around Vigrass Lake (formerly Pike Lake) can be found in the following publications:

1912	E.L.Bruce	Bureau of Mines
1920	Burrows & Hopkins	ODM
1923	Burrows & Hopkins	ODM
1922	GSC Memoir 131	
1948	Jas. E. Thompson	ODM
1972	H.L.Lovell	ODM
1979	L.Jensen field trip	ODM

LOCATION AND ACCESS

The property is located 2 Km from the town of Swastika and bordered on the north by Hwy. 55.

PREVIOUS WORK

A search of the Kirkland Lake Resident Geologist's assessment files failed to locate any work filed on this ground. Signs of old trenching probably going back to the 1920's are visible but little other work is noticeable.

SURVEY METHOD

A Barringer GM-122 Proton Mag was the instrument used

SURVEY METHOD cont'd

for the survey. A base station was established and a check was made at this station at regular intervals for diurnal drift variations and the loop system was used as a double check on reading repeatability.

SURVEY RESULTS

The contoured data are plotted on the map accompanying this report.

Two areas designated A and B show above background magnetics. Area A is completely covered by water and lies to the north of the four small islands of Vigrass Lake. L.Jensen (1979 field trip ODM) mapped the most westerly island as basaltic Komatiites showing polygonal jointing.

Area A at the moment is assumed to be a small syenite plug.

Area B which runs parallel to the Vigrass Lake Fault (Thompson 1941) is suspected to be a narrow Iron Sulphide horizon. Float picked up in prospecting the area would appear to verify this.

CONCLUSION

Two interesting areas of magnetic highs were located from the survey. There is good EM correlation on both of these areas (survey completed though not yet submitted). A program of geological mapping will be carried out this spring using the field trip brochure (Jensen ODM 1979 fig. 9) as an aid.



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

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(s) Proton Magnetometer
Township or Area OTTO
Claim Holder(s) JOCELYNE KIDSTON POK IVO
Survey Company Jom Minerals & Expediting Ltd
Author of Report L.M. Dymant
Address of Author RR #1 TARZWELL, ONT
Covering Dates of Survey July 11-31/80 Jan 09-31/81 Mar 2/81
(linecutting to office)
Total Miles of Line Cut 4.4

MINING CLAIMS TRAVERSED
Lineamentically

Table with columns for (width) and (number) containing handwritten claim numbers: 511519, 511519, 511514, 511515, 511516.

If space insufficient, attach list

SPECIAL PROVISIONS CREDITS REQUESTED
Geophysical
- Electromagnetic _____
- Magnetometer 20
- Radiometric _____
- Other _____
Geological _____
Geochemical _____
DAYS per claim

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

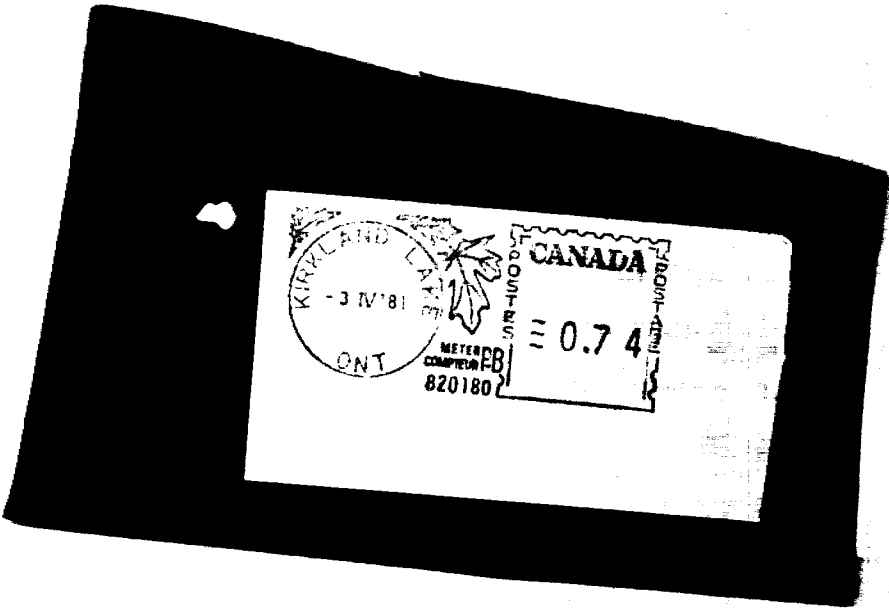
DATE: March 26/81 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications 2.2903.

Table with columns: Previous Surveys, File No., Type, Date, Claim Holder. Includes handwritten 'H.D.' in the Claim Holder column.

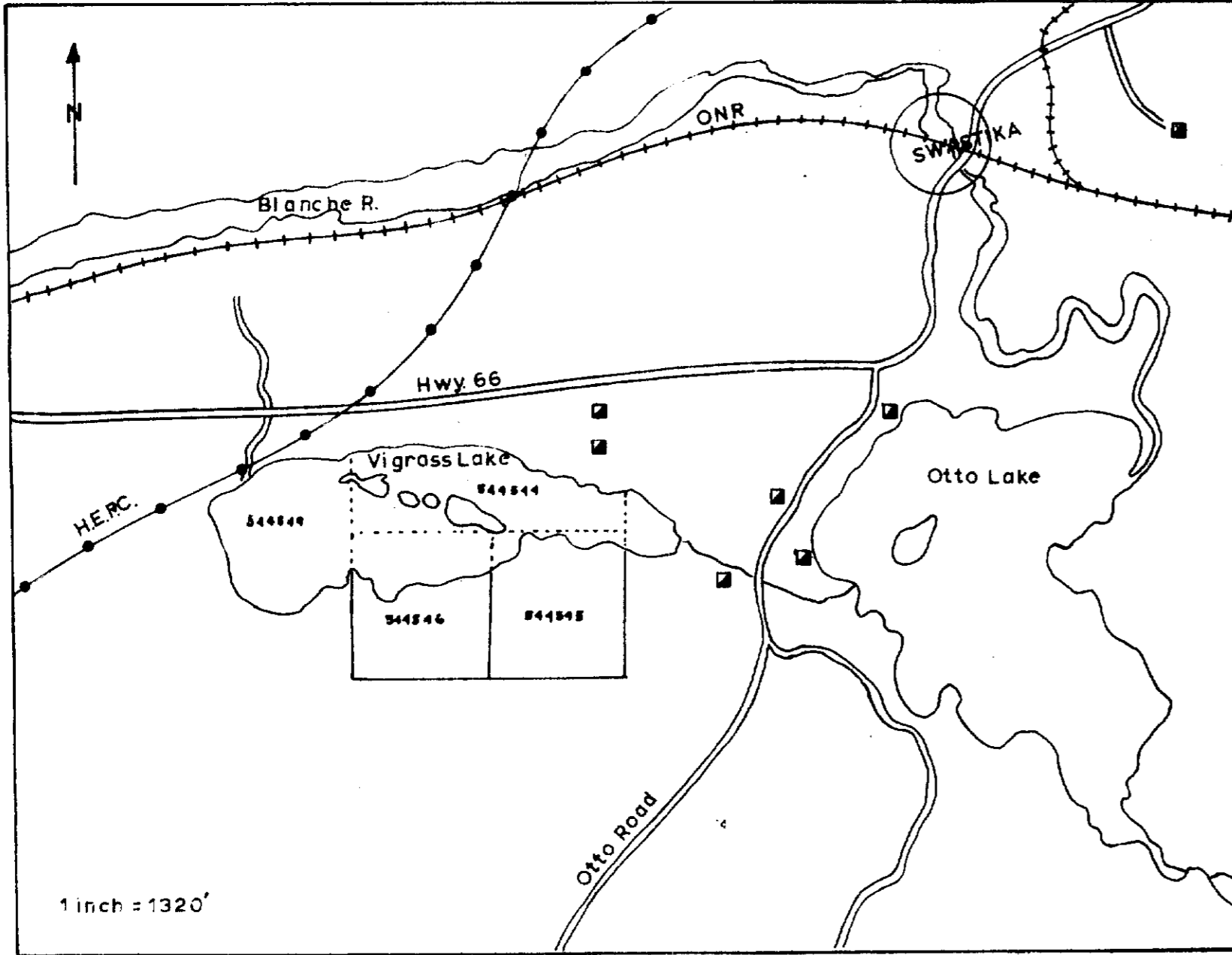
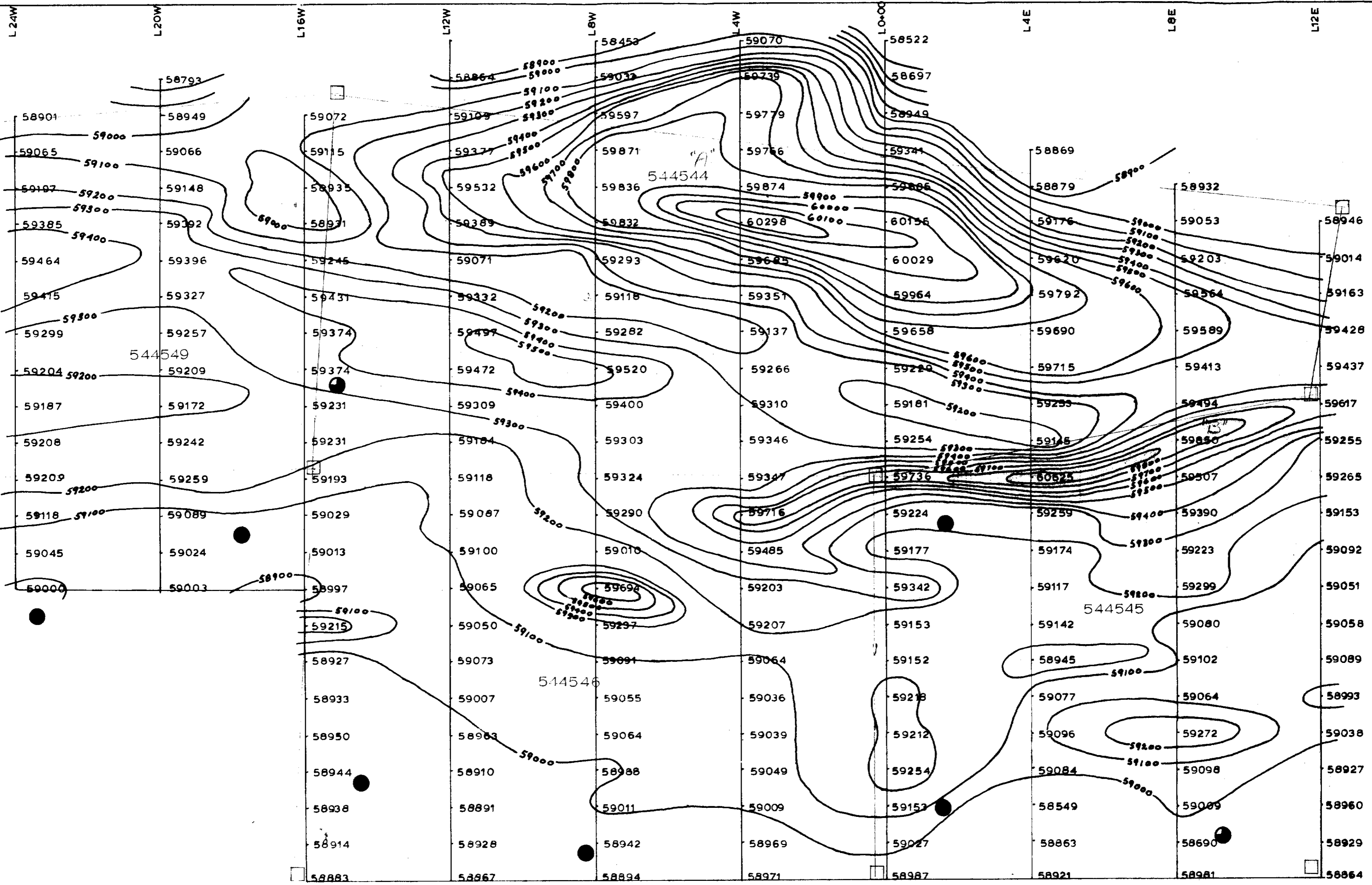
TOTAL CLAIMS _____

OFFICE USE ONLY



KIRKLAND LAKE ONT
- 3 IV '81

CANADA
METER NO. 820180
0.74



PROTON MAGNETOMETER SURVEY
 DYMENT-KIDSTON Group D
 Otto twp.
 LARDER LAKE MINING DIVISION
 DISTRICT OF TIMISKAMING

LEGEND
 Magnetic station and total field value: 59118
 Instrument: Barringer GM 122
 Base station: Δ
 Survey by: Jomi Minerals & Expediting Ltd.
 ● 6 channel AEM anomaly
 SCALE: 1 inch = 200 ft.

J. J. J.
 March 26/81



LOCATION MAP