



52M01SE0072 63.2288 HAMMELL LAKE

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63.2288

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LOCATION OF PROPERTY AND ACCESS

The 31 claim group is comprised of claims KRL 53014 to KRL 53043 inclusive and KRL 53746. The claims straddle the west boundary line of Fairlie Township and the east boundary line of Todd Township. The centre of the claim group is located approximately one and one-half miles north of the southeast corner post Todd Township. The claims are located in the District of Kenora and in the Red Lake Mining Division and approximately nine and one-half miles west of the town of Red Lake. Access to the property is by water.

OWNERS OF CLAIMS

Dickenson Mines Limited,
Balmertown, Ontario.

Company Mining Licence - A28691.

Dickenson Mines Limited - submitting herewith,
Magnetometer Survey as assessment work under "Special Provision" for Geophysical work - Ontario Department of Mines - Oct. 16, 1967.

DATES WORK PERFORMED

Line cutting and survey work was performed during January, February and March, 1965. Line cutting was done by D. Bloom, Balmertown, Ontario; David Keesic, Red Lake, Ontario and E. Pufhal, Red Lake, Ontario. Magnetometer operator was C. D. Huston, Balmertown, Ontario.

Total miles of line cut - 12.12 miles

Total stations established - 1,938.

TYPE OF INSTRUMENT

Sharpe - Model PMF-3 Fluxgate,
Magnetometer sensitivity - 100 gammas (per scale division)
on 3,000 gamma range.

GEOLOGICAL DATA

No detailed geological mapping has been done on the property, but the area is included in Ontario Department of Mines report, by H. C. Horwood, Volume XLIX, Part 2, 1940.

A geological preliminary map No. P338, 1966, by S. A. Ferguson of the Ontario Department of Mines, also covers this area. Rock formations found on the property include a large band of rhyolite-brecciated material in the northwest section of the claims and gives rise to a strong magnetic conductor with gamma readings as high as 14,000 gammas. Massive pyrrhotite and magnetite are responsible for the readings in this area. Narrow bands of sedimentary iron formation containing narrow beds of magnetite and chert give rise to most other conductors on the property. Pillowed basaltic material contains several narrow zones of sphalerite, galena, arsenopyrite and quartz veins. Low values in gold and silver have been obtained. These zones do not give rise to magnetic conductors.

WORK DONE TO DATE

Prospecting followed by stripping and rock trenching has been done at numerous locations on this property. Several areas have had large amounts of overburden removed by a tractor. To date fourteen drill holes have been put down for a footage of 3,400'.0. Line cutting followed by a magnetometer survey has been completed. A total of 12.12 miles of lines have been cut and a total of 1,938 stations established. Geological mapping has been done, which partially covers the southwestern portion of the claims. Diamond drilling was done under contract by Gisler Diamond Drilling Co. Ltd., Balmertown, Ontario. Tractor work was contracted by B. Wonitowy, Red Lake, Ontario. Line cutting was done by D. Bloom, David Keesic and E. Pufhal, while in the employ of Dickenson Mines Limited, Balmertown, Ontario.

C. D. Huston, Balmertown, Ontario, was the instrument operator for the magnetometer survey and was responsible for all work on the property.

CONCLUSIONS

The results of the magnetometer survey has outlined several magnetic anomalies and has been very helpful in the tracing of these conductors under overburden and under water. Diamond drilling of several conductors has shown the mineralization to consist of pyrrhotite and magnetite. No nickel values were obtained from massive pyrrhotite mineralization.

CONCLUSIONS - continued

The magnetite located can not be considered as a future source for iron ore.

Further geophysical surveying is recommended and should be of the electro-magnetic type. This type of an instrument has a better possibility for tracing the sphalerite-galena-arsenopyrite mineralization in areas of deeper overburden. If conductors are indicated from this work, it should be followed up by further diamond drilling.



C. D. Huston,
Exploration Superintendent,
Dickenson Mines Limited,
Balmertown, Ontario.

April 3, 1968.

GRAVES TWP. (M-2166)

THE TOWNSHIP OF
OF
FAIRLIE

DISTRICT OF
KENORA
(PATRICIA PORTION)

RED LAKE
MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

- PATENTED LAND ⊙
- CROWN LAND SALE ⊙
- LEASES ⊙
- LOCATED LAND ⊙
- LICENSE OF OCCUPATION ⊙
- MINING RIGHTS ONLY ⊙
- SURFACE RIGHTS ONLY ⊙
- ROADS ⊙
- IMPROVED ROADS ⊙
- KING'S HIGHWAYS ⊙
- RAILWAYS ⊙
- POWER LINES ⊙
- MARSH OR MUSKIES ⊙
- MINES ⊙
- CANCELLED ⊙

NOTES

400' Surface Rights Reservation
around all Lakes and Rivers.

DATE OF ISSUE

JUL 31 1968

ONTARIO DEPT. OF MINES

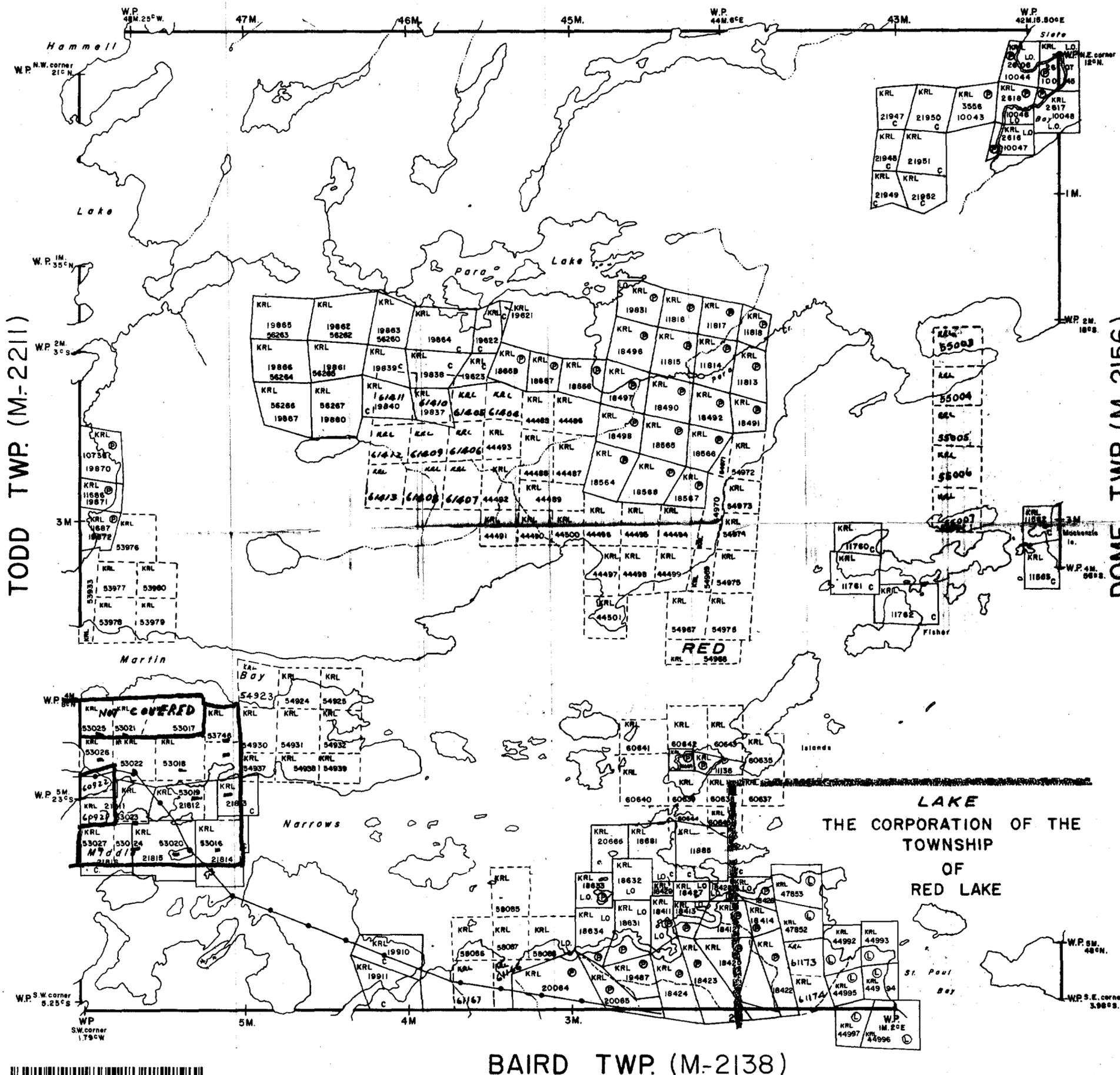
ONT. DEPT. OF MINES
MINING LANDS BR.

THIS MAP FOR CHECKING
PURPOSES ONLY - MUST
NOT BE SOLD.

PLAN NO. **M-2158**

DEPARTMENT OF MINES

— ONTARIO —



TODD TWP. (M-2211)

DOME TWP. (M-2156)

BAIRD TWP. (M-2138)



T O D D

RED LAKE MINING DIVISION

DISTRICT OF KENORA

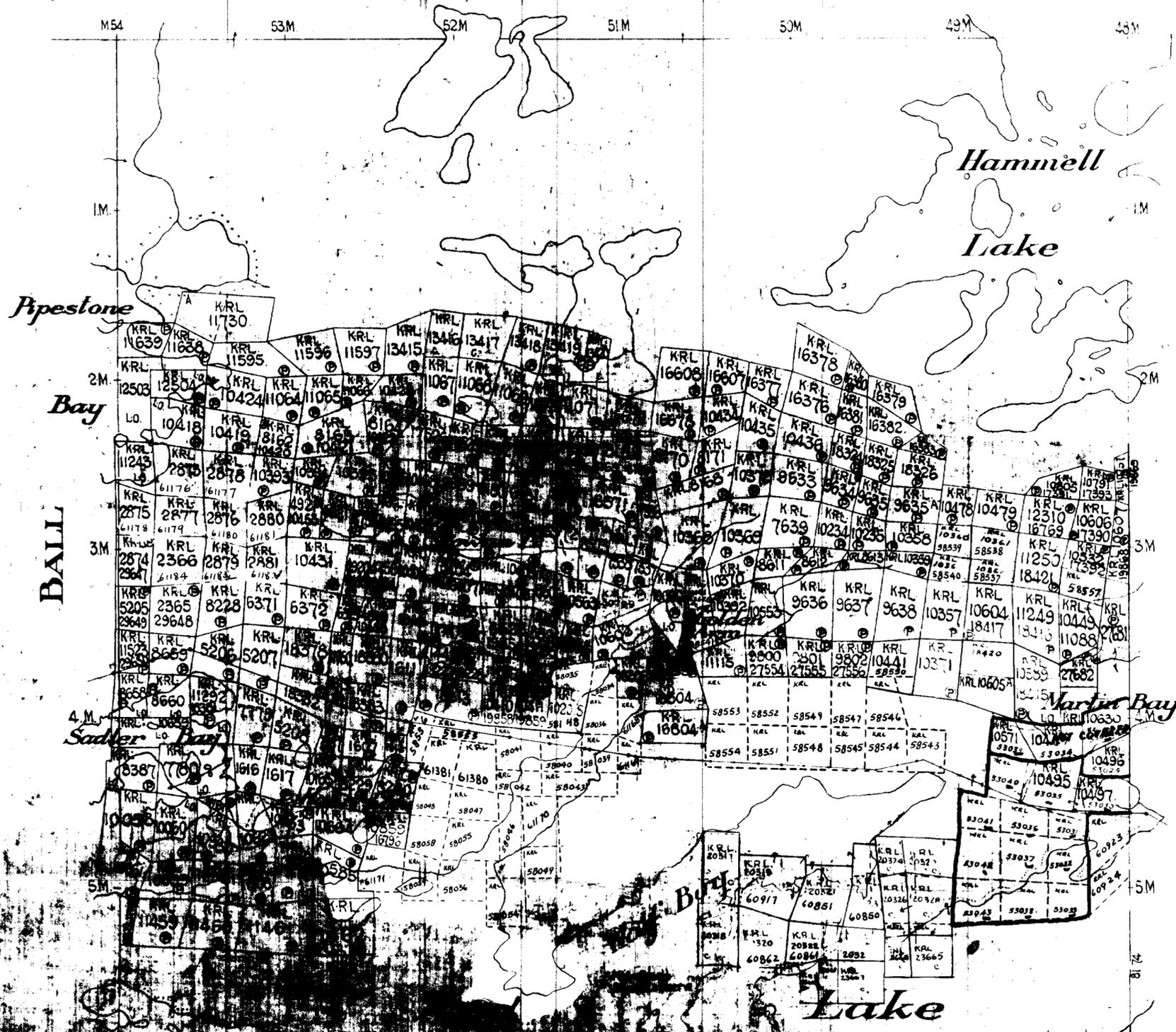
PATRICIA PORTION

Scale - 40 Chains - 1 Inch

DATE OF ISSUE
JUL 31 1968
ONTARIO

ONT. DEPT. OF MINES
MINING LANDS BR.
THIS MAP FOR CHECKING
PURPOSES ONLY - MUST
NOT BE SOLD.

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