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42A14NE0066 63.2747 REAUME

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E.F. CARR MINING CLAIMS

ELECTROMAGNETIC AND MAGNETOMETRIC SURVEYS

REAUME TOWNSHIP

PORCUPINE MINING DIVISION

PROVINCE OF ONTARIO

BY: C.F. DESSON

March, 1970

PROPERTY CLAIM LIST

The following contiguous unpatented mining claims are covered by this report:

P-102021 to P-102034 incl.	-	14 claims
P-102066 to P-102079 incl.	-	14 claims
TOTAL		28 claims

LOCATION AND ACCESSIBILITY

The property is situated in the north central portion of Reaume Township, District of Cochrane, Province of Ontario, about 7.5 miles south-west of the town of Cochrane.

Best means of access is via Hwy No. 11 (which is the northern route of the Trans Canada Highway) for 5 miles west from Cochrane and then southerly over fair gravel road for 7.5 miles to the property.

GENERAL GEOLOGY

The consolidated rocks of Reaume Township are largely drift covered and the geology from the scarce outcrops has been supplemented with air and ground geophysics and diamond drill holes completed by various operators working in the area from time to time, so that the general nature and type of underlying rocks is fairly well known.

These rocks, all of the Precambrian Era, consist of acid to basic lava flows interbedded with narrow bands of tuffs and sediments; and the whole has been intruded mainly by basic to ultrabasic peridotites and serpentine rocks.

Some nickel and asbestos was detected in the peridotites and one known showing of chromium also occurs in peridotites in the north-west portion of the township.

SUMMARY OF THE ELECTROMAGNETIC SURVEY

The survey was carried out over cut, chained and picketed lines striking due north across the property at 400 foot spacings, using an east-west base line, and tie lines for control. Instrument used was a Crone (V.E.M.) Vertical Loop Electromagnetic Unit Dual Frequency, 480 c.p.s. and 1,800 c.p.s. using fixed transmitter method. (See Appendix "B" for description of the instrument and method of the Crone V.E.M.). Readings were taken at 100' station intervals along the cross lines.

Four conductors were detected in the survey and some further detail is required for more proper assessment of the same. In addition to these, there exists three other areas where possible conductors are indicated, one of which has one good cross-over on one line. These latter three areas also require additional setups for further detail for proper appraisal.

The conductors and possible conductive zone are described as follows:

CONDUCTOR ZONE "A" is a moderately strong conductor traced for 2,000 feet in an east-west direction in an area of weak magnetics with minor relief.

CONDUCTOR ZONE "B" is a strong conductor traced for 1,600 feet in an east-west direction, also in an area of weak magnetics with minor relief.

CONDUCTOR ZONE "C" is a moderately strong conductor with weak areas traced for 3,200 feet roughly in an east-west direction. This conductor follows the south edge of a high magnetic anomaly. Further detail should be done with transmitter setups made on the conductor axis for a more thorough appraisal prior to a drill test. The conductor continues both east and west but is weak.

CONDUCTOR ZONE "D" is a weak conductor traced for 800 feet in an east-west direction off the west end of Conductor Zone "C" and may be part of this latter zone, although it breaks away from the magnetic high which is coincident with conductor "C".

POSSIBLE ZONE "E" - due to the lack of line overlap between separate traverses in this area and the high buildup of readings taken on the south traverse area and the reverse crossover to the north of this blank area, a conductor may exist here and a new setup should be made where indicated for a detail survey.

POSSIBLE ZONE "F" - one fair crossover exists here and with other inflections of possible conductor zone as indicated, additional detail is required as laid out for proper search and appraisal.

POSSIBLE ZONE "G" - weak inflections of possible conductor indicated and poor transmitter to receiver coupline of this area necessitates additional detail (as laid out) for proper search and appraisal.

SUMMARY OF MAGNETOMETRIC SURVEY

The survey was carried out over the same line grid as the electromagnetic survey with readings taken at 100' station intervals and at 50' intervals where additional detail was required.

Instrument used was a McPhar Fluxgate Magnetometer, Model M700. Magnetic control stations were established at workable intervals throughout the grid area, mostly along the main base line for close magnetic control of all traverses made. (See Appendix "A" for description of McPhar M700 Magnetometer).

Two high magnetic anomalies were detected in this generally weakly magnetic area.

Anomaly No. 1 is a major magnetically high anomaly which was traced for 6,400 feet from the property east boundary westward. The anomaly is 1,200 feet wide and strikes roughly east-west. This is probably the true width of a probable peridotite intrusive which is the likely magnetic source. Main geological structures in this area are normally fairly steep to vertical and the intrusives appear to be conformable when of linear proportions. The anomaly continues weakly to the west.

Anomaly No. 2 is a magnetically high area at the extreme northwest corner of the claim group.

This anomaly occurs at the ends of the grid lines and might also open up to the north as a major magnetic high.

Respectfully submitted,

TEXMONT MINES LIMITED

C.F. Desson

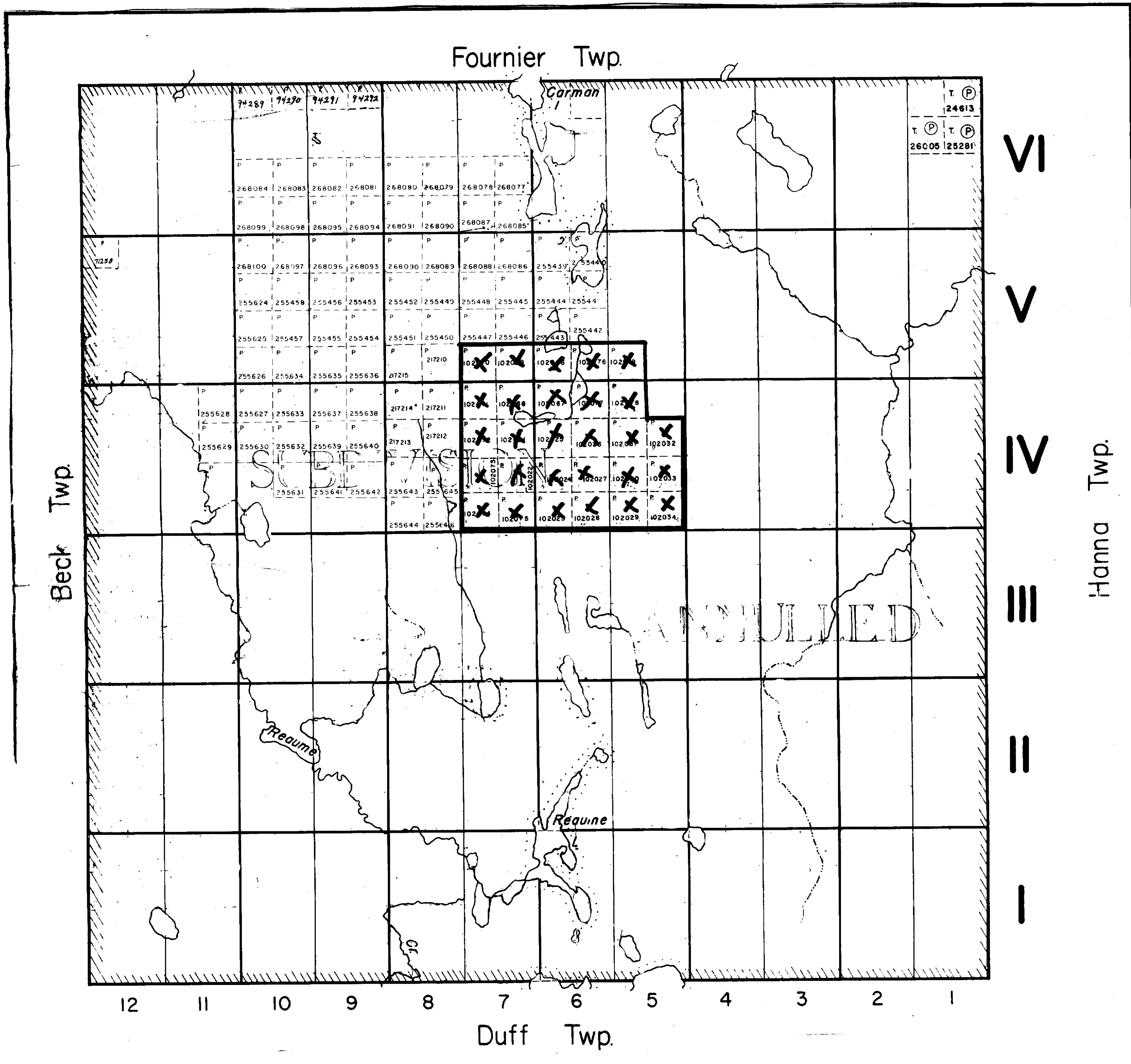
C.F. DESSON

APPENDIX "A"

McPHAR M.700 MAGNETOMETER

The McPhar M.700 Magnetometer is a vertical field flux-gate magnetometer. The self-levelling feature of this electronic magnetometer eliminates the need for bulky tripods and time consuming fine levelling procedures. Further, the instrument is relatively insensitive to orientation. Since the instrument can be adjusted electronically to cancel vertical magnetic fields from plus 100,000 gammas to minus 100,000 gammas there is no need for auxiliary magnets or complicated latitude adjustments.

The operation of the M.700 Magnetometer is very simple. The reading on the meter is set to zero at the chosen base station. This can be done to an accuracy of 5 gammas. As successive stations are occupied, the instrument is held roughly level, and the increase or decrease in the vertical component of the earth's magnetic field is read directly from the meter. Five ranges are available and on the most sensitive range the accuracy is ± 5 gammas.



THE TOWNSHIP OF
CLAIM MAP
REAUME

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
ROADS	
IMPROVED ROADS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	

NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

ENTIRE SUBDIVISION ANNULLED BY ORDER OF THE SURVEYOR GENERAL FILE 112122.

DATE OF ISSUE
MAY 13 1970
ONTARIO DEPT. OF MINES

PLAN NO. — M-576

DEPARTMENT OF MINES
—ONTARIO—

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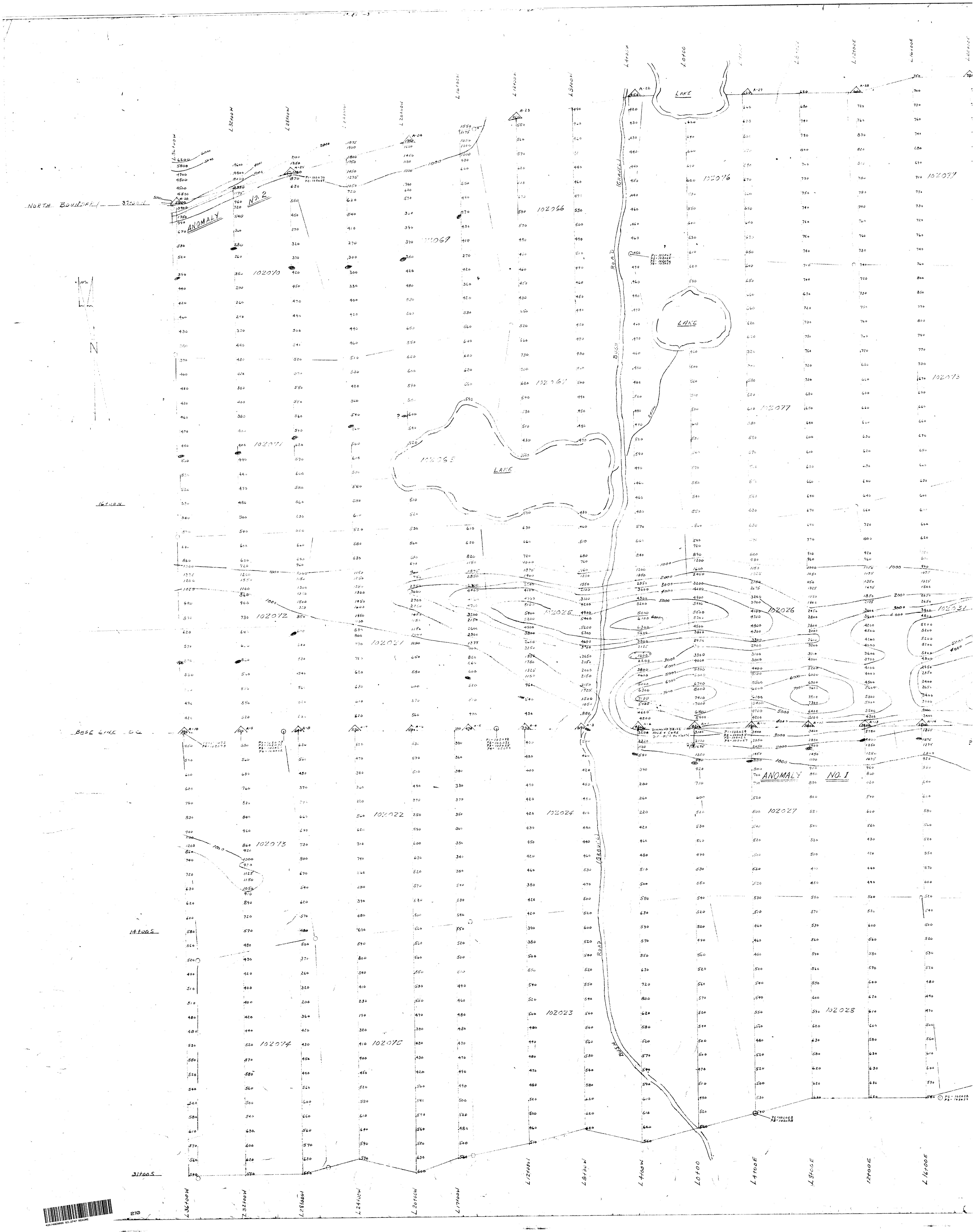
M.



NORTH BOUNDARY
ANOMALY No. 2
ANOMALY No. 1
N
LAKE
LAKE
LAKE
BUSH ROAD
BASE LINE 0+00
16+00N
14+00S
31+00S
L36+00W
L32+00W
L28+00W
L24+00W
L20+00W
L16+00W
L12+00W
L8+00W
L4+00W
L0+00
L4+00E
L8+00E
L12+00E
L16+00E
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102021
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102026
102027
102028
102031
210

L23+00W
L16+00W
L12+00W
L8+00W
L4+00W
L0+00
L4+00E
L8+00E
L36+00W
L32+00W
L28+00W
L24+00W
LAKE
102076
102066
102069
102070
CONDUCTOR ZONE "A"
102067
102077
CONDUCTOR ZONE "B"
102071
102068
LAKE
102072
102025
102026
102021
CONDUCTOR ZONE "D"
CONDUCTOR ZONE "C"
102022
102024
102073
102023
102074
102075
L48+00W
L44+00W
L40+00W
L36+00W
L32+00W
L28+00W
L24+00W
L20+00W
L16+00W
L12+00W
L8+00W
L4+00W
L0+00
L4+00E
L8+00E

APPENDIX "D"
63.2747
E.F. CARR CLAIM GROUP
REAUME TOWNSHIP ONT
MAGNETOMETER SURVEY
(MCPHAR M700)
SCALE 1"=200'
JUNE 1969
FIELD MAP
DRAWN BY. W. GLOSTER
MAGNETIC CONTOUR INTERVAL 1000 gammas
LOT 8
LOT 7
LOT 6
LOT 5
CON. V
CON. IV
LOCATION PLAN - REAUME TWP. ONT
SCALE 2" = 1 MILE
LAKE
LAKE
BUSH ROAD
ANOMALY NO. 1
102076
102077
102066
102073
102032
102026
102031
102025
102027
102033
102024
102034
102023
102028
102029

APPENDIX C
63.2747
E.F. CARR CLAIM GROUP
REAUME TOWNSHIP - ONT.
ELECTROMAGNETIC SURVEY
(CRONE V.E.M)
FIELD MAP
DRAWN BY: W. GLOSTER
SCALE 1" = 200'
JUNE 1969
E.M. PROFILE 1" = 20°
TRANSMITTER LOCATIONS
HI FREQ. - 1800 C.P.S.
LO FREQ. - 480 C.P.S.
LOT 8
LOT 7
LOT 6
LOT 5
CON V
CON IV
LOCATION PLAN - REAUME TWP. ONT.
SCALE 2" - 1 MILE
LAKE
102066
102076
102077
102067
102078
102025
102026
102031
102024
102030
102033
102034
102023
102028
102029
CONDUCTOR
ZONE "C"
POSS. CONDUCTOR ZONE
Proposed Tran. Setup
8 Line 8