



52G15NW0178 52G14SE0075 PENASSI LAKE

010

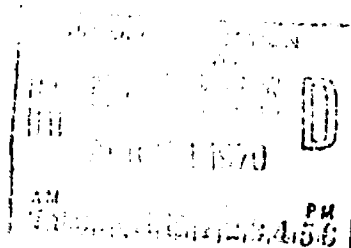
REPORT FOR
MATTAGAMI LAKE MINES LIMITED

Covering MAGNETIC and ELECTROMAGNETIC
surveys over their

"F" CLAIM GROUP

Sturgeon Lake Area
Patricia Mining Division, Ontario.

March, 1970.



Report for Mattagami Lake Mines Limited covering MAGNETIC and ELECTROMAGNETIC surveys over their GROUP "F" claims, Sturgeon Lake Area, Patricia Mining Division, Ontario.

LOCATION AND ACCESS:

This group of 40 contiguous claims numbered 205367 to 205368; 212710 to 212717; and 225631 to 225660 inclusive are located adjacent to the north-west boundary of Abitibi Pulp and Paper blocks #7. Access is via road from Highway # 599 or via Sturgeon Lake.

PREVIOUS WORK:

The GSC airborne magnetic maps 1117 G and 1127 G flown at 1000' show a strong magnetic high in Sturgeon Lake centered approximately 3/4 of a mile north of the claim group. There is no significant magnetic feature on the claim group itself. The ODM geological map #2169 shows the area as being underlain by Felsic Metavolcanic rocks. The area was flown by Questor for Mattagami Lake Mines with a weak conductor being detected on three flight lines. This anomaly is located in the lake on claim 212713.

EQUIPMENT USED:

Magnetic- A McPhar fluxgate magnetometer M - 700 was used measuring the vertical component of the magnetic field directly in gammas. Accuracy of the instrument is ± 10 gammas. Normal procedures using base stations and applying drift corrections were carried out.

Electromagnetic- A Crone Shoot back JEM unit was used with coil separation of 300' and a basic operating frequency of 1800 Hz. with readings also being taken at 480 Hz in anomalous areas. The "resultant dip angle" in degrees is recorded using the mid point between the two operators.

AUTOP. STORED. SEP.

The CRONE RADEM - VLF - EM unit was also used over the entire grid taking both "Dip Angle" and "Field Strength" measurements. Transmitting station used was primarily Seattle Washington 18.6 KHz and in some cases Cutler Maine 17.8 KHz. Instrument brochure attached.

LINECUTTING:

A base line was established with an azimuth of 75° and a grid cut and picketed with a 400' line interval over the entire claim group. Line cutting was performed by Mattagami Lake mines own crews under the direction of Robert Major, Box 190, Ignace, Ontario. Total mileage was 29.3 lines, and 3.2 baseline.

GEOPHYSICAL OPERATORS:

The field work was carried out by Mattagami Lake Mines crews under the party chief Robert Major, Box 190, IGNACE, Ontario.

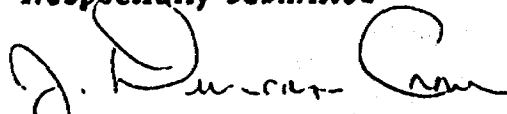
INTERPRETATION:

The Crone Shoot back JEM survey at 300' coil separation detected two weak conductors. "F-1" located along the shore of the lake between lines 36W and 52W. This conductor occurs underneath 50' to 75' of overburden and dips between 45° and 60° to the north. This anomaly was also detected by the RADEM survey particularly on line 36 N. Two drill holes have been spotted to test this conductor "F-2" at L 51 W, 126 + 00 N drilling true south at $- 55^{\circ}$ for 600' and "F-3" at 119 + 50 N, line 35 + 50 W drilling true south at 55° 600'. This anomaly is the one detected by the Questor survey. The second JEM anomaly is located on the island at approximately 149 + 00 N, line 76W and is similar in dip and conductivity to conductor F-1. This conductor was not detected by the RADEM survey perhaps due to clay overburden. Vertical loop detail is required prior to spotting a drill hole.

A well defined RADEM anomaly occurs between L 52 W and L 76 W at 109 + 00 N. A drill hole is recommended to test this conductor collared on L 68 W, 110 + 50 N and drilling grid south at 45° for 500'.

There is no clear cut magnetic correlation with any of the conductors although conductors F-1 and F-2 have nearly flanking magnetic highs in the order of 400 to 1200 gammas.

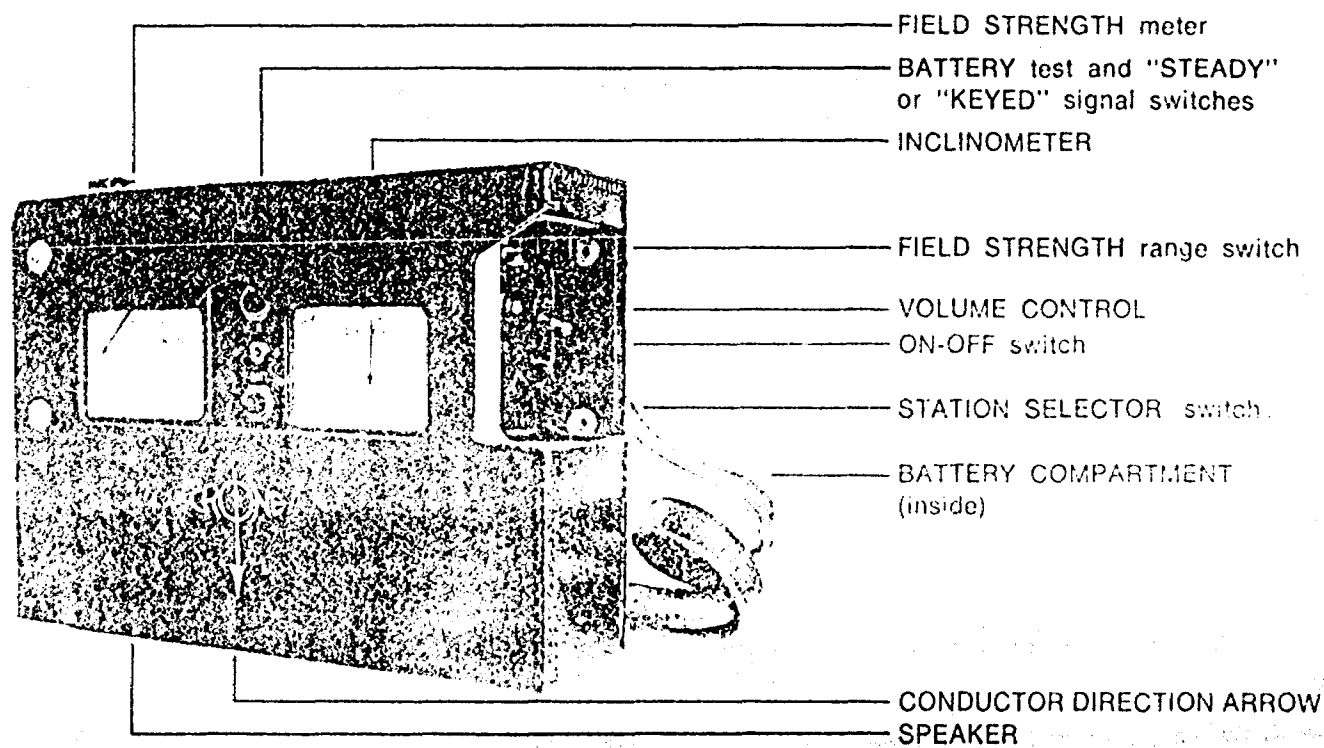
Respectfully submitted



J. DUNCAN CRONE B.A. P. Eng.
geophysicist.

MAD LVI

AND QUADRATURE COMPONENTS OF THE VLF COMMUNICATION STATIONS



This is a rugged, simple to operate, ONE MAN EM unit. It can be used without line cutting and is thus ideally suited for GROUND LOCATION OF AIRBORNE CONDUCTORS and the CHECKING OUT OF MINERAL SHOWINGS. This instrument utilizes higher than normal EM frequencies and is capable of detecting DISSEMINATED SULPHIDE DEPOSITS and SMALL SULPHIDE BODIES. It accurately isolates BANDED CONDUCTORS and operates through areas of HIGH HYDRO NOISE. The method is capable of deep penetration but due to the high frequency used its penetration is limited in areas of clay and conductive overburden.

The DIP ANGLE measurement detects a conductor from a considerable distance and is used primarily for locating conductors. The FIELD STRENGTH measurement is used to define the shape and attitude of the conductor.

SPECIFICATIONS

Source of Primary Field: VLF Communication Stations 12 to 24 KHz

Number of Stations: 7 switch selectable

Stations Available: The seven standard stations are Cutler, Maine, 17.8; Seattle, Washington, 18.6; Collins, Colorado, 20.0; Annapolis, Md., 21.4; Panama, 24.0; Hawaii, 23.4; England, 16.0. Alternative stations which may be substituted are: Gorki, Russia, 17.1; Japan, 17.4; England, 19.6; Australia, NWC, 22.3 KHz.

Check that Station is Transmitting: Audible signal from speaker.

Parameters Measured and Means:

(1) **DIP ANGLE** in degrees, from the horizontal of the magnetic component of the VLF field. Detected by minimum on the field strength meter and read from an inclinometer with a range of $\pm 80^\circ$ and an accuracy of $\pm \frac{1}{2}^\circ$.

(2) **Field Strength** (total or horizontal component) of the magnetic component of the VLF field. Measured as a per cent of normal field strength established at a base station. Accuracy $\pm 2\%$ dependent on signal. Meter has two ranges: 0 — 300% and 0 — 600%. Switch for "keyed" or "F.S." (steady) signal.

(3) **Out of Phase** component of the magnetic field, perpendicular in direction to the resultant field, measured without sign, as a per cent of normal field strength. This is the minimum reading of the Field Strength meter obtained when measuring the dip angle. Accuracy $\pm 2\%$.

Operating Temperature Range: -20° to $+110^\circ$ F.

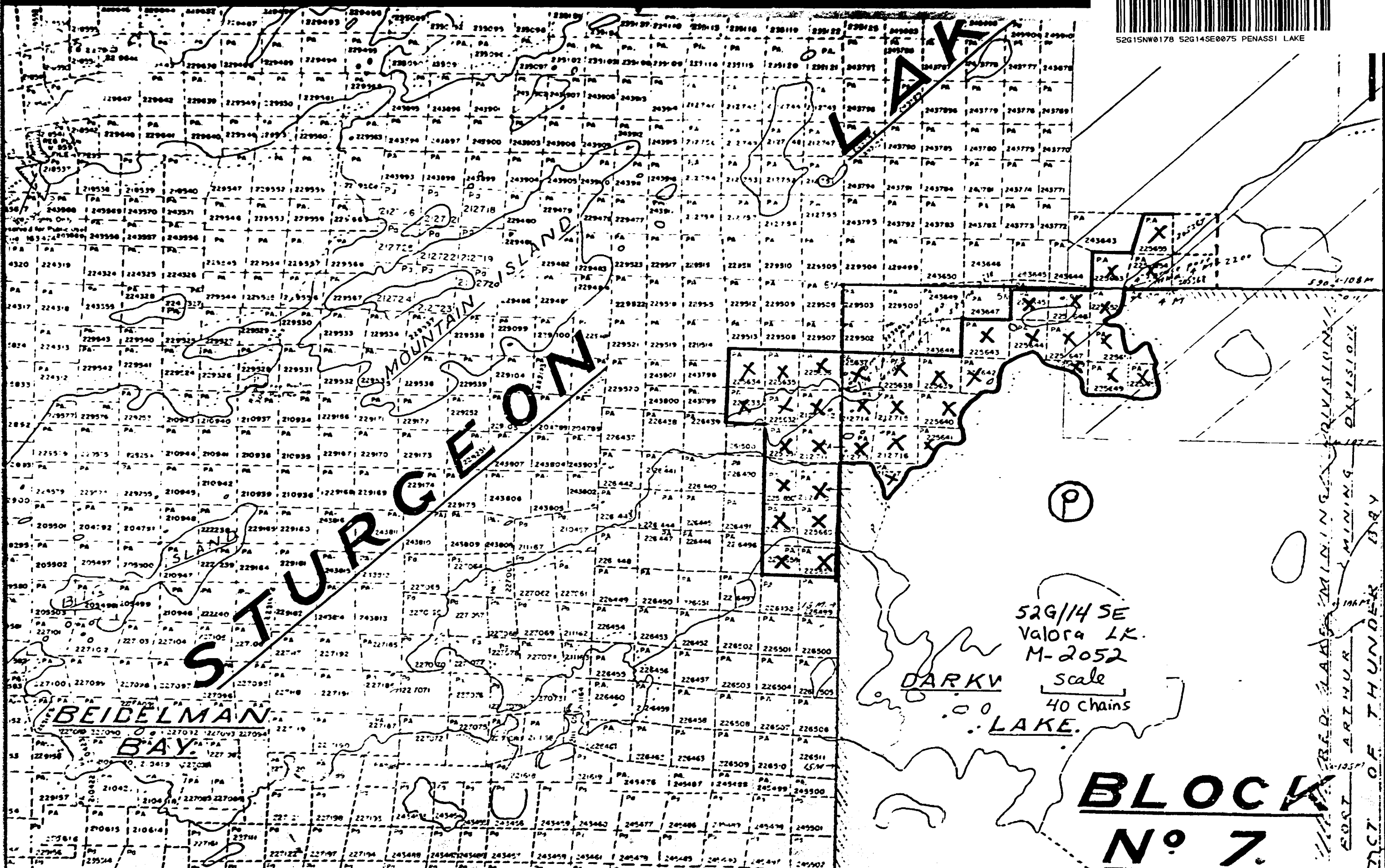
Dimensions and Weight: 3.5" \times 7.5" \times 10.5" — 6 lb.

Shipping: Foam lined wooden case — shipping wt. — 15 lb.

Batteries: 2 of 9 volt: Eveready 216, Burgess 2U6, Mallory M-1604
Average life expectancy — 3 weeks to 3 months dependent on amount of usage.

Units Available on a Rental or Purchase Basis.

Contract Services Available for Field Surveys.



STURGEON MOUNTAIN SLAND

BEIDELMAN BAY

52G/14 SE
Valora LK.
M-2052
scale
40 chains
DARKV LAKE.

BLOCK
Nº 7.

BRD. CLAS. MINING DIVISION
ART. MINING DIVISION
RECT. OF THUNDER

F

SPECIAL PROVISION
ASSESSMENT WORK DETAILS

Type of Survey MAGNETIC
A separate form is required for each type of survey

Chief Line Cutter or Contractor MATTAGAMI LAKE MINES CREW
Name Address

Party Chief ROBERT MAJOR, BOX 190, IGNACE, ONTARIO.
Name Address

Consultant J. DUNCAN CRONE, 979 LAKESHORE ROAD, E., PORT CREDIT, ONTARIO.
Name Address

COVERING DATES Line Cutting _____
Field Geology or Geophysics _____
Office _____

INSTRUMENT DATA Make, Model and Type Mc Phar - M - 700 FLUXGATE
Scale Constant or Sensitivity ± 10 GAMMAS
Or provide copy of instrument data from Manufacturer's brochure.

Total Number of Stations Within Claim Group 1590 Number of Miles of Line cut Within Claim Group 32.5

ASSESSMENT WORK CREDITS REQUESTED Geological Survey _____ Days per Claim
Geophysical Survey 40 Days per Claim

MINING CLAIMS TRAVERSED

205367, 205368, 212710, 212711, 212712, 212713, 212714, 212715, 212716, 212717;
225631, 225632, 225633, 225634, 225635, 225636, 225637, 225638, 225639, 225640,
225641, 225642, 225643, 225644, 225645, 225646, 225647, 225648, 225649, 225650,
225651, 225652, 225653, 225654, 225655, 225656, 225657, 225658, 225659, 225660.

_____ TOTAL 40
DATE April 20, 1970 SIGNED J. Duncan Crone

Special provision credits do not apply to Radiometric Surveys.

SPECIAL PROVISION
ASSESSMENT WORK DETAILS

Type of Survey ELECTROMAGNETIC SURVEY
A separate form is required for each type of survey

Chief Line Cutter or Contractor MATTAGAMI LAKE MINES CREW
Name Address

Party Chief ROBERT MAJOR, BOX 190, IGNACE, ONTARIO.
Name Address

Consultant J. DUNCAN CRONE, 979 LAKESHORE ROAD, E., PORT CREDIT, ONTARIO.
Name Address

COVERING DATFS Line Cutting _____

Field Geology or Geophysics _____

Office _____

INSTRUMENT DATA Make, Model and Type CRONE SHOOT BACK JEM 480-1800, RADEM VLF-EM

Scale Constant or Sensitivity ± 1°
Or provide copy of instrument data from Manufacturer's brochure.

Total Number of Stations Within Claim Group _____ Number of Miles of Line cut Within Claim Group 32.5
RADEM - 1436, SHOOT BACK JEM - 1424

ASSESSMENT WORK CREDITS REQUESTED

Geological Survey _____ Days per Claim

Geophysical Survey 20 Days per Claim

MINING CLAIMS TRAVERSED

PA 205367, 205368, 212710, 212711, 212712, 212713, 212714, 212715, 212716, 212717;

PA 225631, 225632, 225633, 225634, 225635, 225636, 225637, 225638, 225639, 225640,

225641, 225642, 225643, 225644, 225645, 225646, 225647, 225648, 225649, 225650,

225651, 225652, 225653, 225654, 225655, 225656, 225657, 225658, 225659, 225660.

_____ TOTAL 40

DATE April 20, 1970 SIGNED J. Duncan Crone

Special provision credits do not apply to Radiometric Surveys.

THE MINING ACT

DEPARTMENT OF MINES
PROJECTS SECTION

Assessment Work Credits

FILE: 174/C

DATE:

Name: Mattagami Lake Mines Limited,

Township or Area: Southwest Part of Sturgeon Lake Area.

Type of Survey and Number of Assessment Days Credits per Claim	Mining Claims
<p>GEOPHYSICAL</p> <p><input checked="" type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p> <p><input checked="" type="checkbox"/> Ground <input type="checkbox"/> Airborne</p> <p>Magnetometer 40 days</p> <p>Electromagnetic (VLF) 18 days</p> <p>(JEM) 18 days</p>	<p>PA 205367 to 68 incl. 212710 to 17 incl. 225631 to 60 incl.</p> <p>Note: Mining Claims PA 212713 to 17 incl. 225637 to 52 incl. are situated on patented land. The total geophysical credits of 1596 days for these claims only may be transferred to another group that has been geophysically surveyed and is held by the same licensee.</p>
<p>GEOLOGICAL days</p> <p><input type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p>	
<p>RADIOMETRIC days</p> <p><input type="checkbox"/> Ground <input type="checkbox"/> Airborne</p>	
<p>GEOCHEMICAL days</p>	
<p><input type="checkbox"/> Notice of Intent to be issued (credits have been reduced because of insufficient or partial coverage of claims)</p> <p><input type="checkbox"/> No assessment credits have been allowed for the following mining claims as they were not sufficiently covered by the survey.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as

THE MINING ACT

DEPARTMENT OF MINES
PROJECTS SECTION

Assessment Work Credits

FILE: 170/6

DATE:

Name: Nattagami Lake Mines Limited,

Township or Area: Southwest Part of Sturgeon Lake Area.

Type of Survey and Number of Assessment Days Credits per Claim	Mining Claims
<p>GEOPHYSICAL</p> <p><input checked="" type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p> <p><input checked="" type="checkbox"/> Ground <input type="checkbox"/> Airborne</p> <p>Magnetometer 40 days</p> <p>Electromagnetic (VLF) 18 days</p> <p>(JEM) 18 days</p>	<p>PA 205367 to 68 incl. 212710 to 17 incl. 225631 to 60 incl.</p> <p>Note: Mining Claims PA 212713 to 17 incl. 225637 to 52 incl. are situated on patented land. The total geophysical credits of 1506 days for these claims only may be transferred to another group that has been geophysically surveyed and is held by the same licensee.</p>
<p>GEOLOGICAL days</p> <p><input type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p>	
<p>RADIOMETRIC days</p> <p><input type="checkbox"/> Ground <input type="checkbox"/> Airborne</p>	
<p>GEOCHEMICAL days</p>	
<p><input type="checkbox"/> Notice of Intent to be issued (credits have been reduced because of insufficient or partial coverage of claims)</p> <p><input type="checkbox"/> No assessment credits have been allowed for the following mining claims as they were not sufficiently covered by the survey.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as

THE MINING ACT

DEPARTMENT OF MINES
PROJECTS SECTION

Assessment Work Credits

FILE: 174/C

DATE:

Name: Mattagami Lake Mines Limited.

Township or Area: Southwest Part of Sturgeon Lake Area.

Type of Survey and Number of Assessment Days Credits per Claim	Mining Claims
<p>GEOPHYSICAL</p> <p><input checked="" type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p> <p><input checked="" type="checkbox"/> Ground <input type="checkbox"/> Airborne</p> <p>Magnetometer 40 days</p> <p>Electromagnetic (VLF) 18 days</p> <p>(JEM) 18 days</p>	<p>PA 205367 to 68 incl. 212710 to 17 incl. 225631 to 60 incl.</p> <p>Note: Mining Claims PA 212713 to 17 incl. 225637 to 52 incl. are situated on patented land. The total geophysical credits of 1596 days for these claims only may be transferred to another group that has been geophysically surveyed and is held by the same licensee.</p>
<p>GEOLOGICAL days</p> <p><input type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p>	
<p>RADIOMETRIC days</p> <p><input type="checkbox"/> Ground <input type="checkbox"/> Airborne</p>	
<p>GEOCHEMICAL days</p>	
<p><input type="checkbox"/> Notice of Intent to be issued (credits have been reduced because of insufficient or partial coverage of claims)</p> <p><input type="checkbox"/> No assessment credits have been allowed for the following mining claims as they were not sufficiently covered by the survey.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as

THE MINING ACT

DEPARTMENT OF MINES
PROJECTS SECTION

Assessment Work Credits

FILE: 170/C

DATE:

Name: Nattagam Lake Mines Limited,

Township or Area: Southwest Part of Sturgeon Lake Area.

Type of Survey and Number of Assessment Days Credits per Claim	Mining Claims
<p>GEOPHYSICAL</p> <p><input checked="" type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p> <p><input checked="" type="checkbox"/> Ground <input type="checkbox"/> Airborne</p> <p>Magnetometer 40 days</p> <p>Electromagnetic (VLF) 18 days</p> <p>..... (JEM) 18 days</p>	<p>PA 205367 to 68 incl. 212710 to 17 incl. 225631 to 60 incl.</p> <p>Note: Mining Claims PA 212713 to 17 incl. 225637 to 52 incl. are situated on patented land. The total geophysical credits of 1506 days for these claims only may be transferred to another group that has been geophysically surveyed and is held by the same licensee.</p>
<p>GEOLOGICAL days</p> <p><input type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p>	
<p>RADIOMETRIC days</p> <p><input type="checkbox"/> Ground <input type="checkbox"/> Airborne</p>	
<p>GEOCHEMICAL days</p>	
<p><input type="checkbox"/> Notice of Intent to be issued (credits have been reduced because of insufficient or partial coverage of claims)</p> <p><input type="checkbox"/> No assessment credits have been allowed for the following mining claims as they were not sufficiently covered by the survey.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as

THE MINING ACT

DEPARTMENT OF MINES
PROJECTS SECTION

Assessment Work Credits

FILE: 174/C

DATE:

Name: Mattagami Lake Mines Limited

Township or Area: Southwest Part of Sturgeon Lake Area

Type of Survey and Number of Assessment Days Credits per Claim	Mining Claims
<p>GEOPHYSICAL</p> <p><input checked="" type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p> <p><input checked="" type="checkbox"/> Ground <input type="checkbox"/> Airborne</p> <p>Magnetometer 40 days</p> <p>Electromagnetic (VLF) 18 days</p> <p>(JEM) 18 days</p>	<p>PA 205367 to 68 incl. 212710 to 17 incl. 225631 to 60 incl.</p> <p>Note: Mining Claims PA 212713 to 17 incl. 225637 to 52 incl. are situated on patented land. The total geophysical credits of 1596 days for these claims only may be transferred to another group that has been geophysically surveyed and is held by the same licensee.</p>
<p>GEOLOGICAL days</p> <p><input type="checkbox"/> Special Provision <input type="checkbox"/> Man days</p>	
<p>RADIOMETRIC days</p> <p><input type="checkbox"/> Ground <input type="checkbox"/> Airborne</p>	
<p>GEOCHEMICAL days</p>	
<p><input type="checkbox"/> Notice of Intent to be issued (credits have been reduced because of insufficient or partial coverage of claims)</p> <p><input type="checkbox"/> No assessment credits have been allowed for the following mining claims as they were not sufficiently covered by the survey.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as

520/14 3E

AREA CODE — 416
TELEPHONE — 365-6918



WHITNEY BLOCK
QUEEN'S PARK
TORONTO 182, ONT

DEPARTMENT OF MINES AND NORTHERN AFFAIRS
MINING LANDS BRANCH 2.42

Mr. W. A. Buchan,
Mining Recorder,
Court House,
Sicux Lookout, Ontario.

Dear Sir:

Re: Mining Claim No. PA 205367 et al,
S.W. Part of Sturgeon Lake Area.

The Geophysical assessment work credits as shown on the
attached list have been approved as of the date above.
Please inform the recorded holder and so indicate on your
records.

Yours very truly,

Fred W. Matthews,
Supervisor,
Projects Section.

/dg.

c.c. Mattagami Lake Mines Ltd.,
205 - 8 King St., E.,
Toronto, Ontario.

Attn.: Mr. J.W. Harvey.

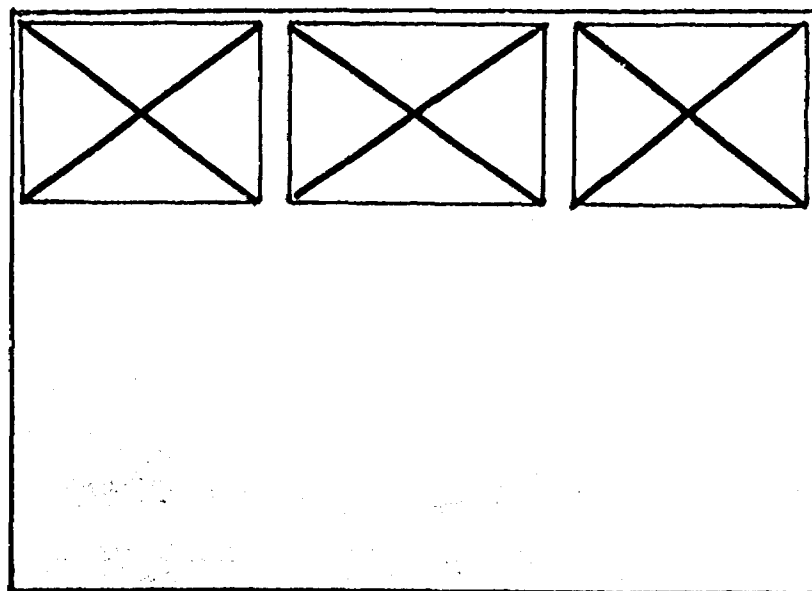
c.c. H.L. King, ✓
Resident Geologist,
808 Robertson St.,
Kenora, Ont.

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

52 G/14 SE - 0075 # 1-3

LOCATED IN THE MAP
CHANNEL IN THE
FOLLOWING SEQUENCE

(X)

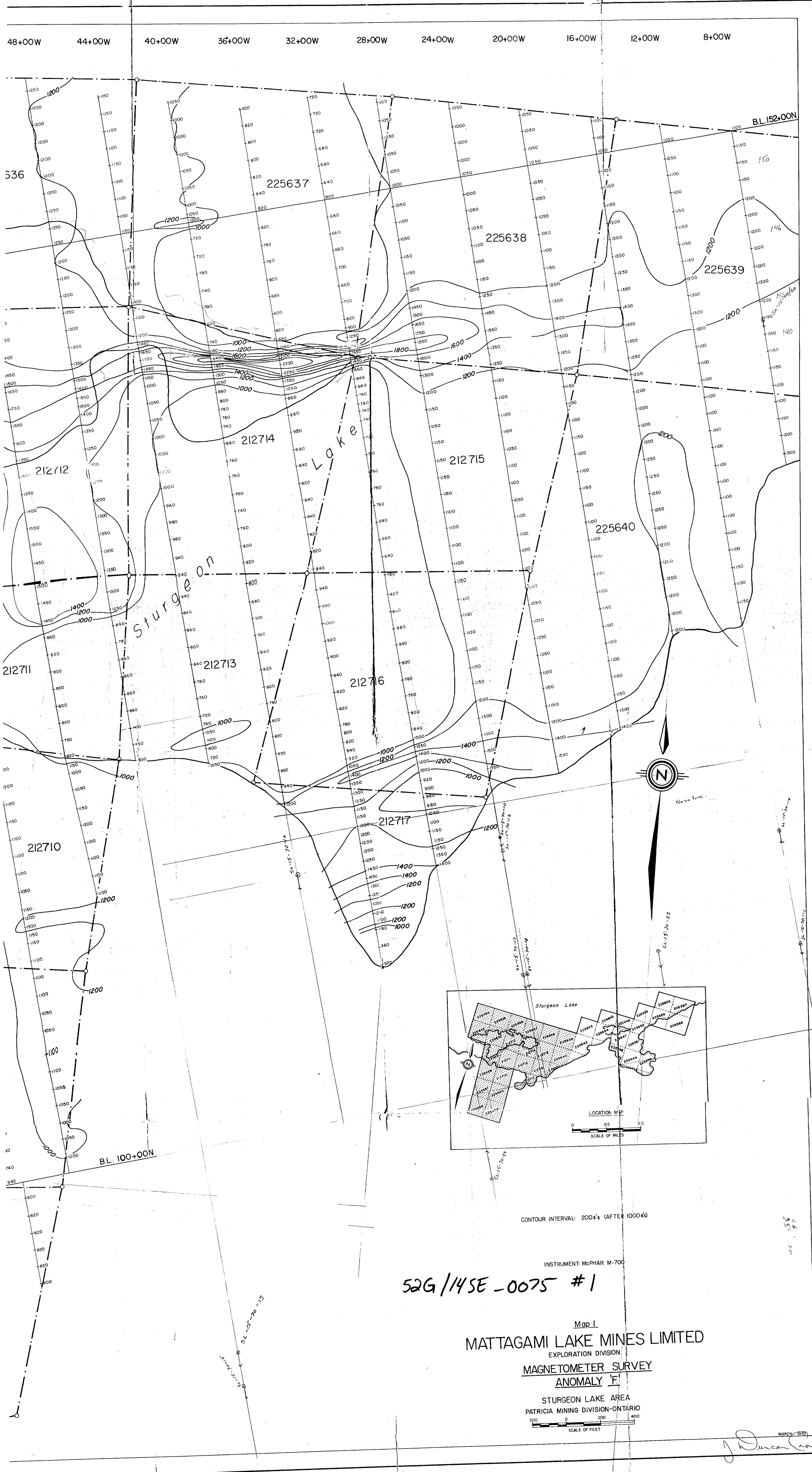


FOR ADDITIONAL

INFORMATION

SEE MAPS:

52 G/14SE-0075 ::= 4-8



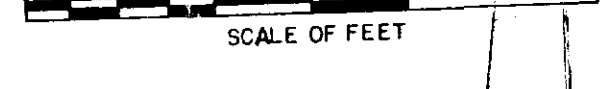
CONTOUR INTERVAL: 200's (AFTER 1000's)

INSTRUMENT McPHAR M-700

52G/14SE-0075 #1

Map I
MATTAGAMI LAKE MINES LIMITED
 EXPLORATION DIVISION
MAGNETOMETER SURVEY
ANOMALY 'E'

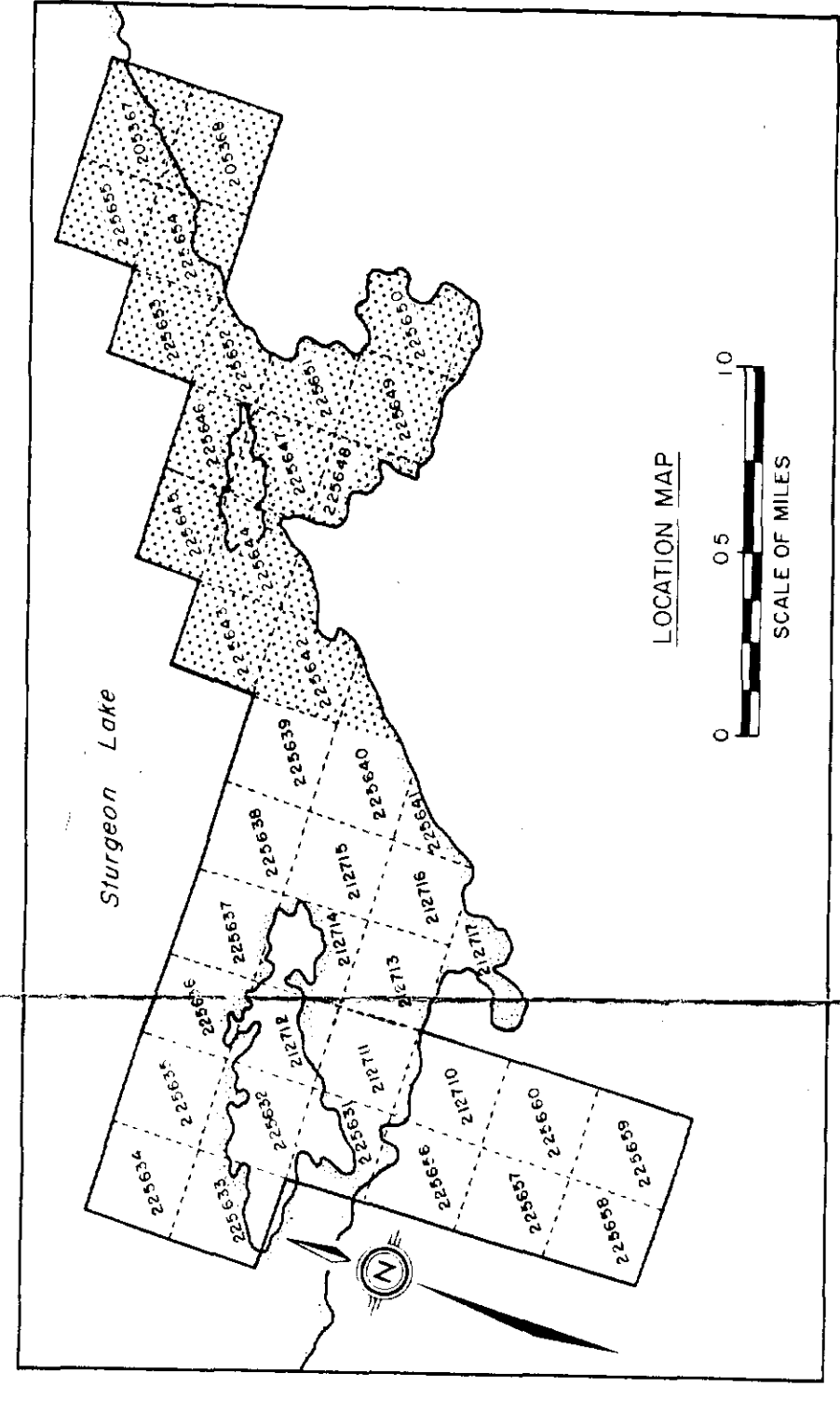
STURGEON LAKE AREA
 PATRICIA MINING DIVISION-ONTARIO



SCALE OF FEET

MARCH 1970

J. Duncan



CONTOUR INTERVAL: 200ft (AFTER 1200ft)

INSTRUMENT: MAPHAR M-700

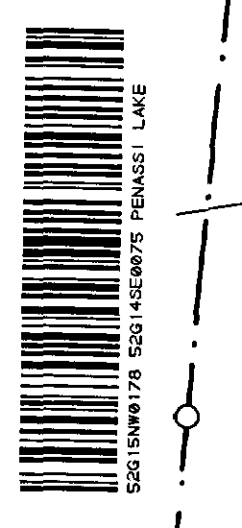
529/14 SE - 0075 #2

Map 2
MATTAGAMI LAKE MINES LIMITED

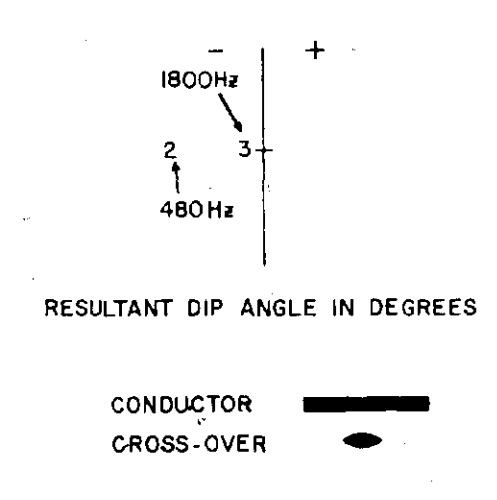
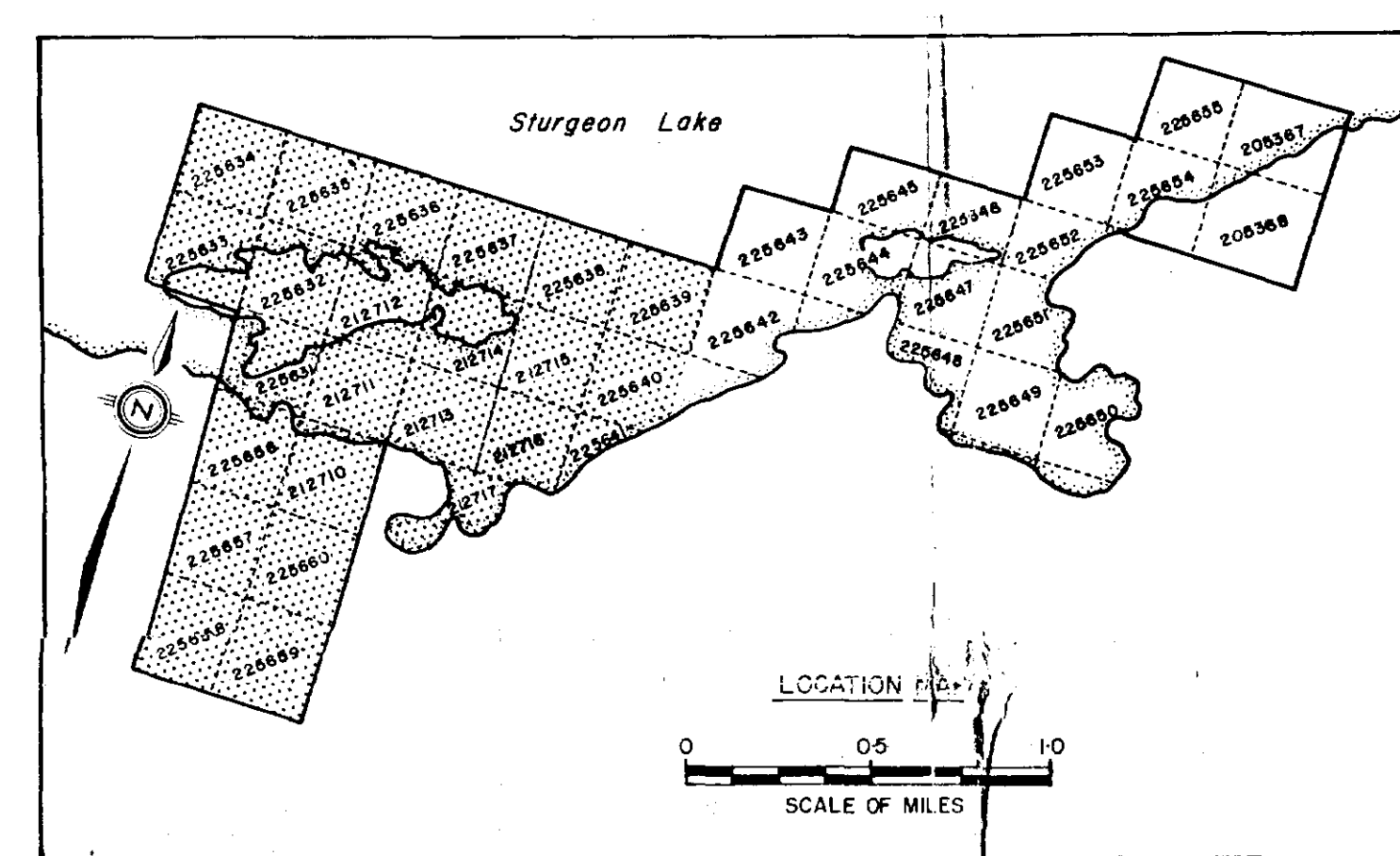
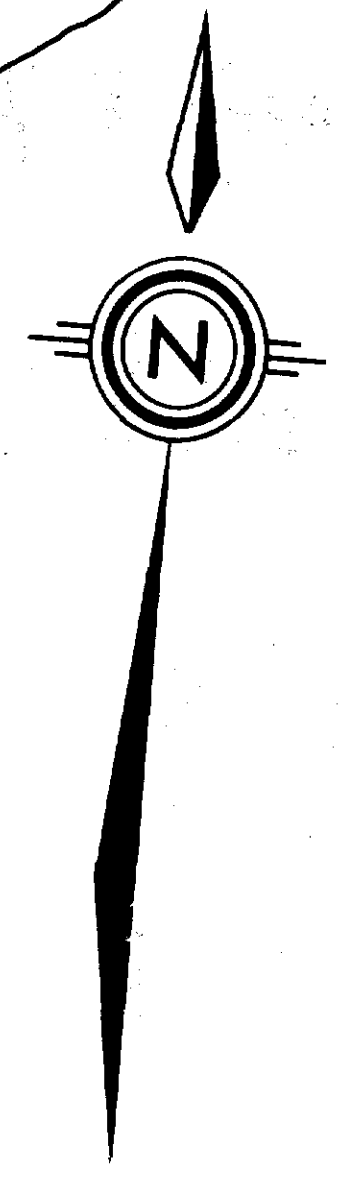
EXPLORATION DIVISION
MAGNETOMETER SURVEY

ANOMALY 'F'

STURGEON LAKE AREA
PATRICIA MINING DIVISION-ONTARIO

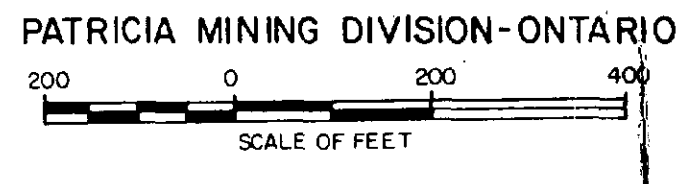


60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W 32+00W 28+00W 24+00W 20+00W 16+00W 12+00W 8+00W



52G/14SE-0075 #3

Map 1
MATTAGAMI LAKE MINES LIMITED
EXPLORATION DIVISION
E.M. SURVEY
ANOMALY F
STURGEON LAKE AREA
PATRICIA MINING DIVISION-ONTARIO

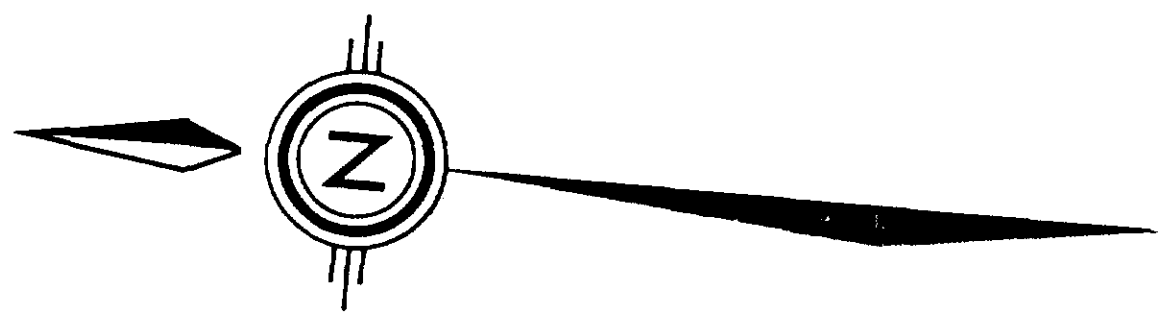


MARCH 1970

J. Duncan

42+00E 46+00E 50+00E 54+00E 58+00E 62+00E 66+00E 70+00E 74+00E 78+00E 82+00E

4+00W 8+00E 12+00E 16+00E 20+00E 24+00E 28+00E 32+00E 36+00E 40+00E



L a k e

Sturgeon

BL. 180+00N

205367

205368

225655

225654

225653

225646

225645

225644

225647

225643

225642

225648

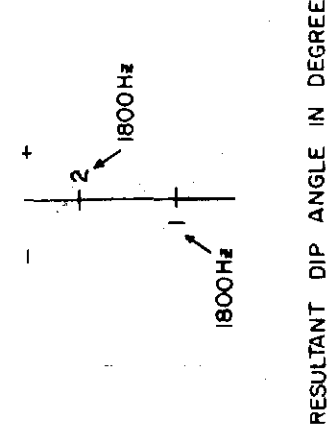
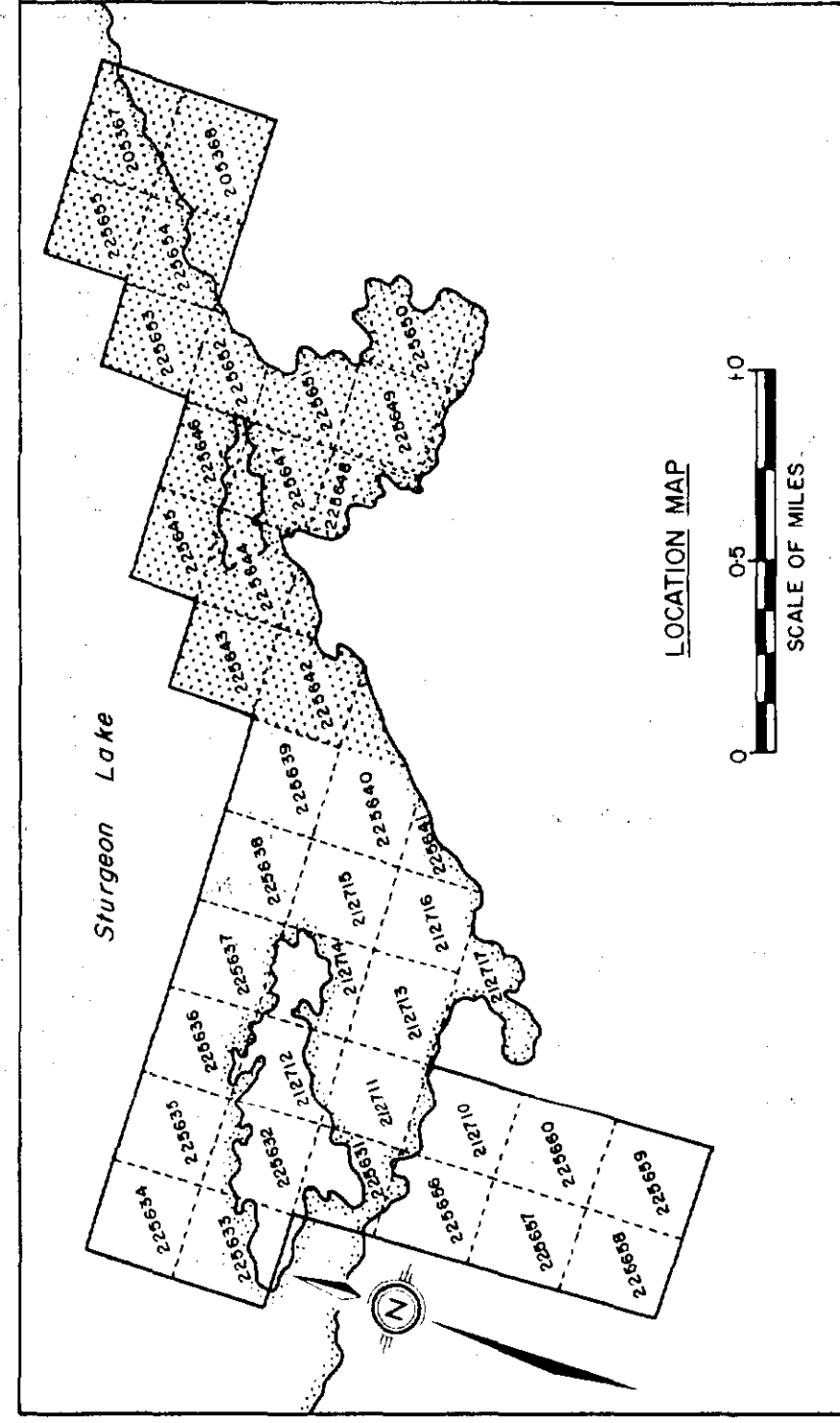
225649

225651

225650

225640

BL. 152+00N



SAG/14SE-0075 #4

CRONE INSTRUMENT-300' SEPARATION

MGP. 2

MATTAGAMI LAKE MINES LIMITED

EXPLORATION DIVISION

E.M. SURVEY

ANOMALY F

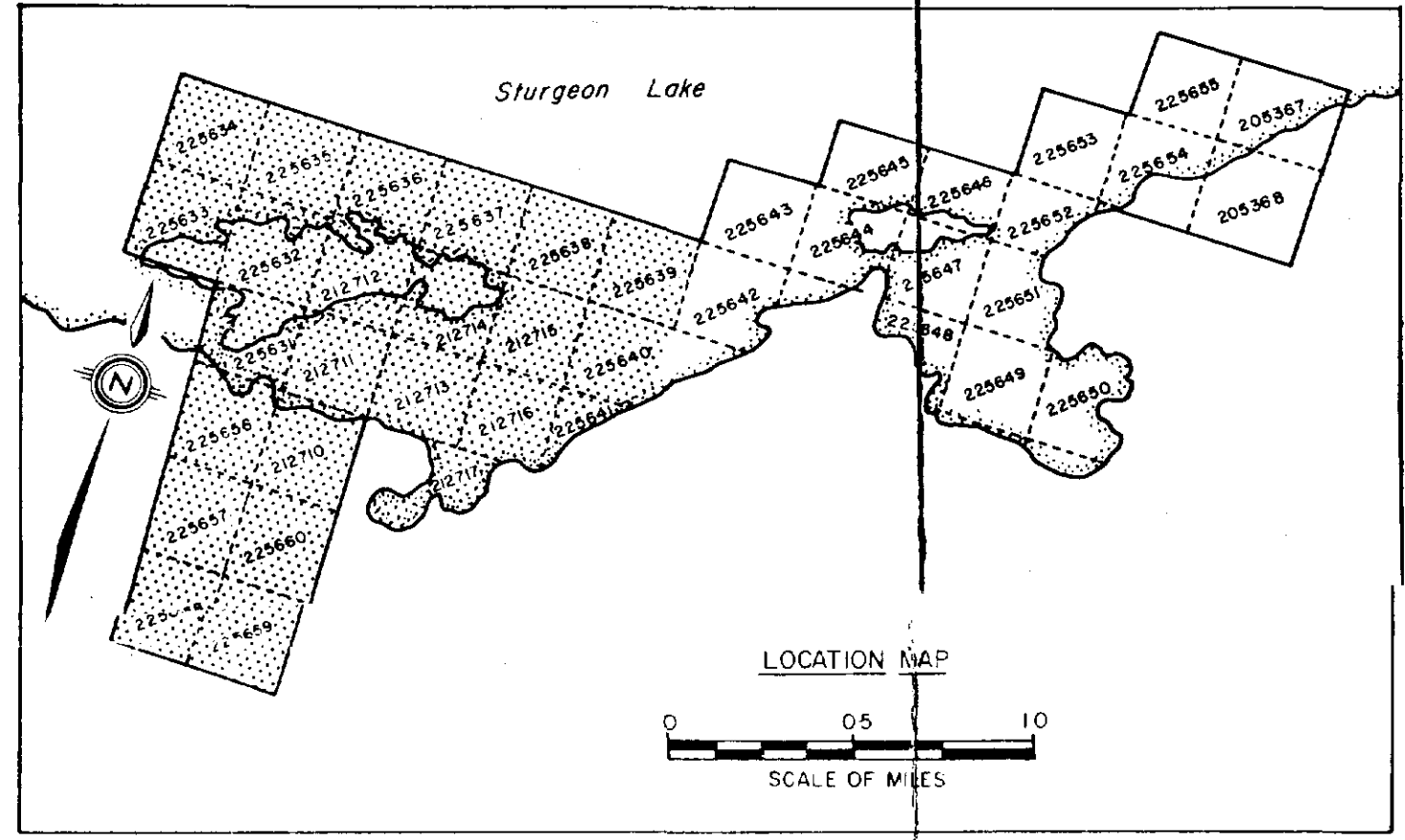
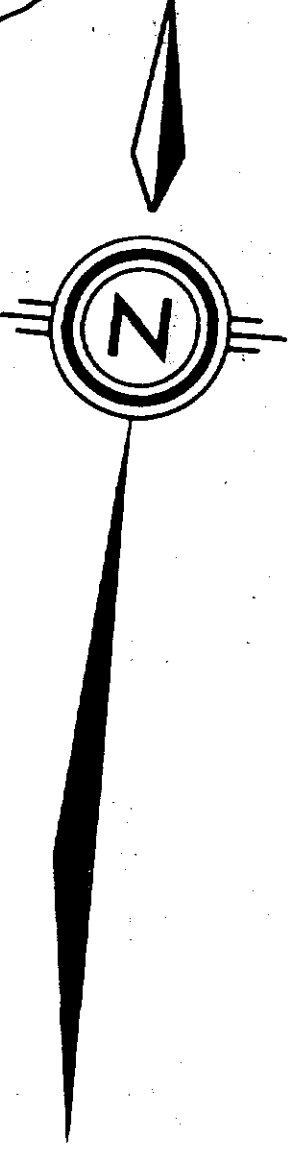
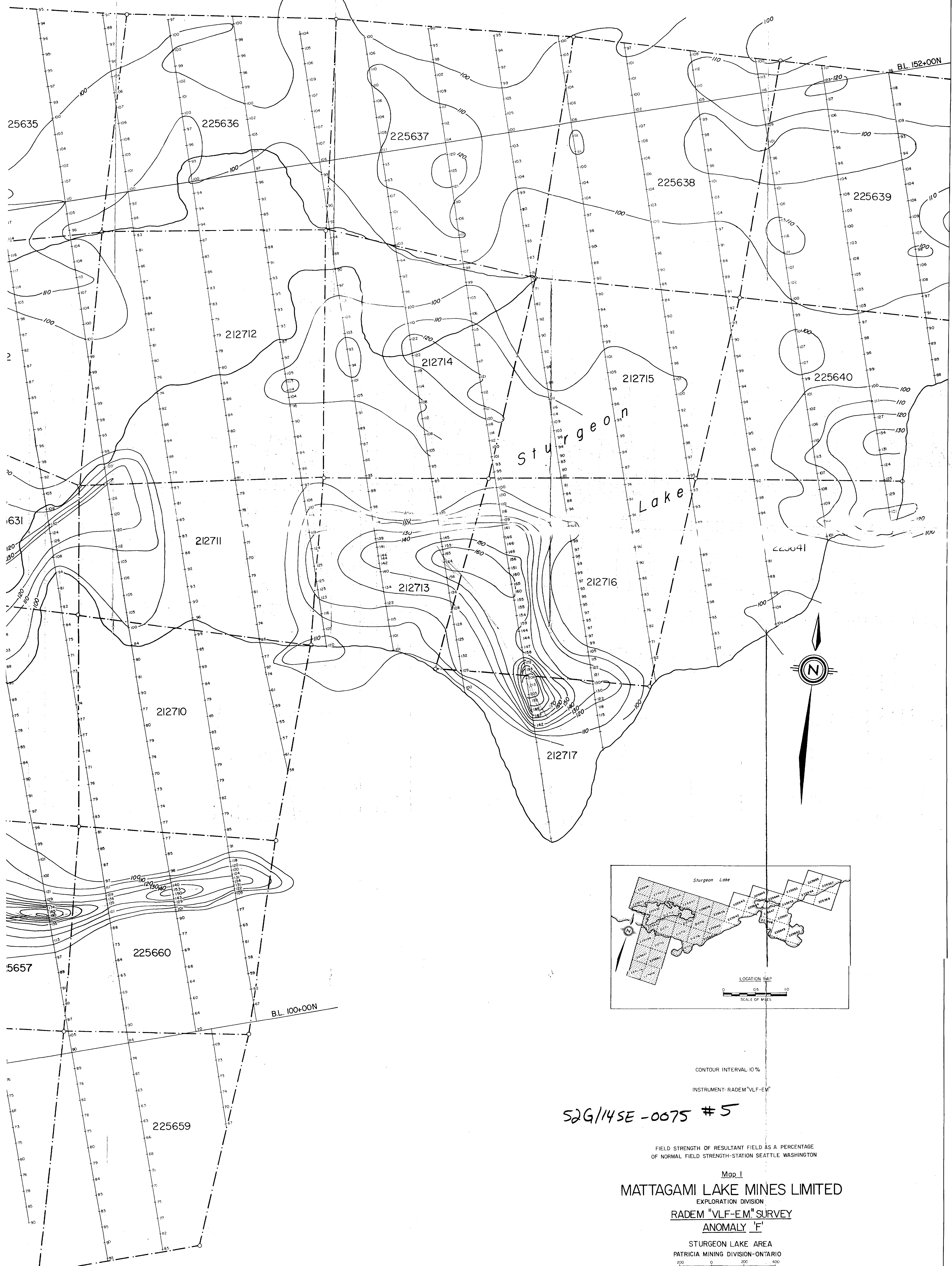
STURGEON LAKE AREA
PATRICIA MINING DIVISION-ONTARIO



MARCH 1970



60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W 32+00W 28+00W 24+00W 20+00W 16+00W 12+00W 8+00W



CONTOUR INTERVAL 10%
INSTRUMENT: RADEM "VLF-E"

52G/14SE-0075 #5

FIELD STRENGTH OF RESULTANT FIELD AS A PERCENTAGE
OF NORMAL FIELD STRENGTH-STATION SEATTLE WASHINGTON

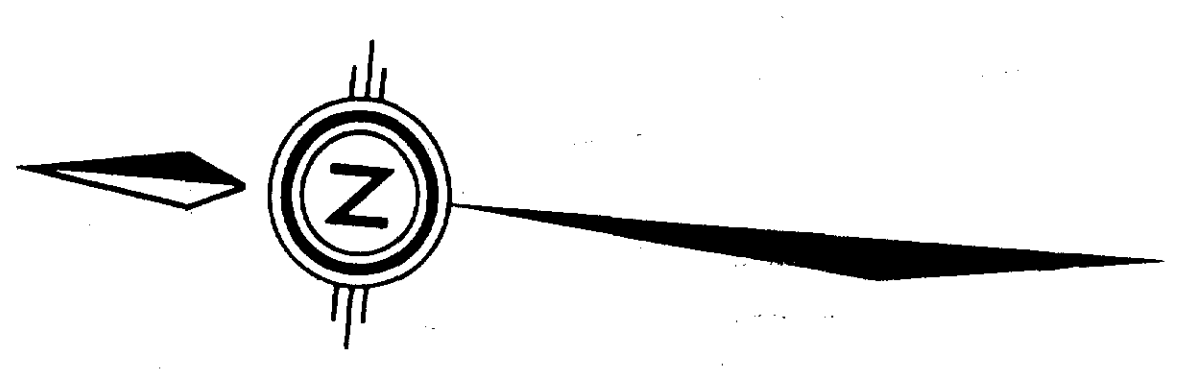
Map 1
MATTAGAMI LAKE MINES LIMITED
EXPLORATION DIVISION
RADEM "VLF-E.M." SURVEY
ANOMALY 'F'

STURGEON LAKE AREA
PATRICIA MINING DIVISION-ONTARIO
SCALE OF FEET
200 0 200 400

MARCH 1970
Duncan

42+00E 46+00E 50+00E 54+00E 58+00E 62+00E 66+00E 70+00E 74+00E 78+00E 82+00E

4+00 W 0+00 4+00E 8+00E 12+00E 16+00E 20+00E 24+00E 28+00E 32+00E 36+00E 40+00E



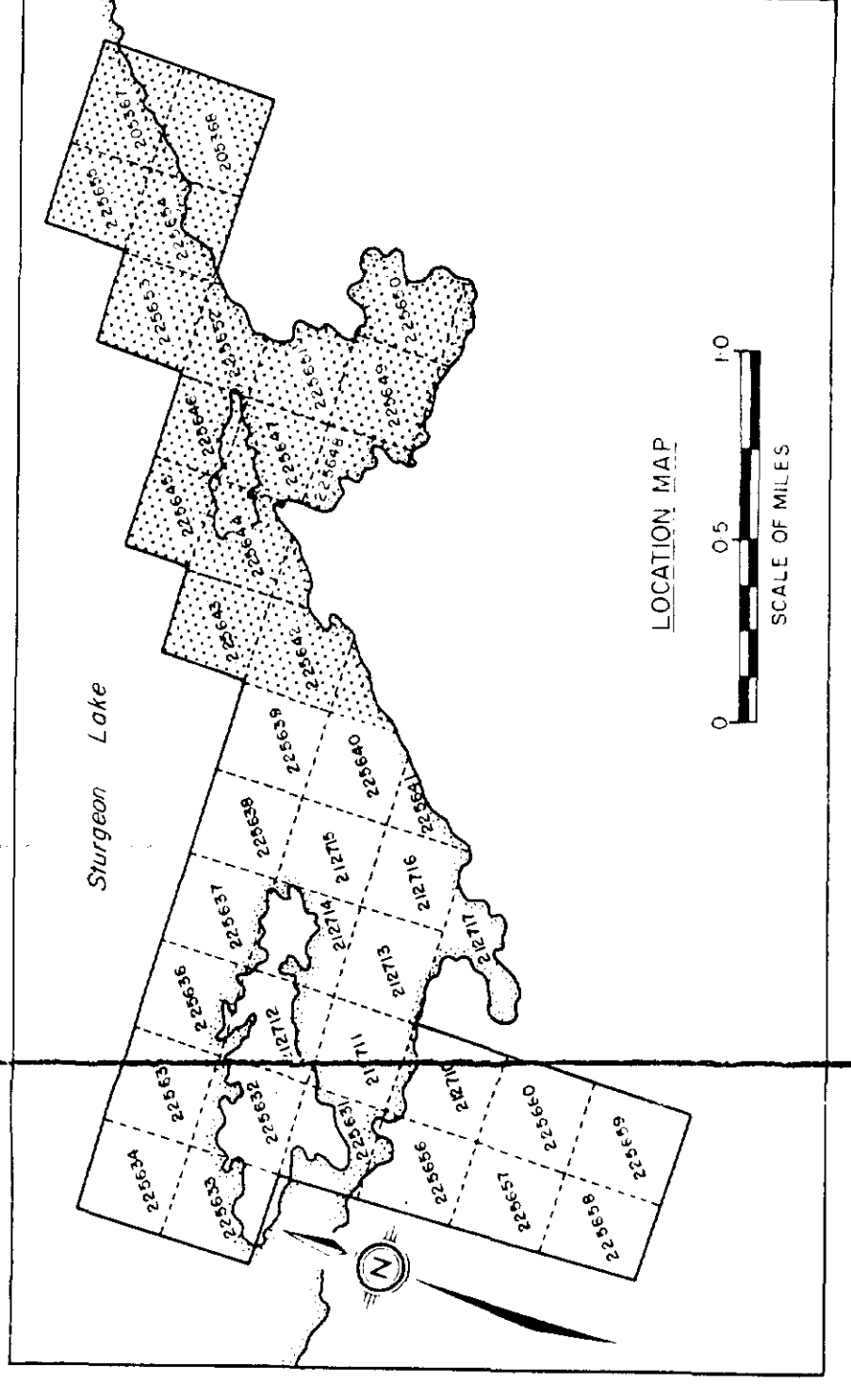
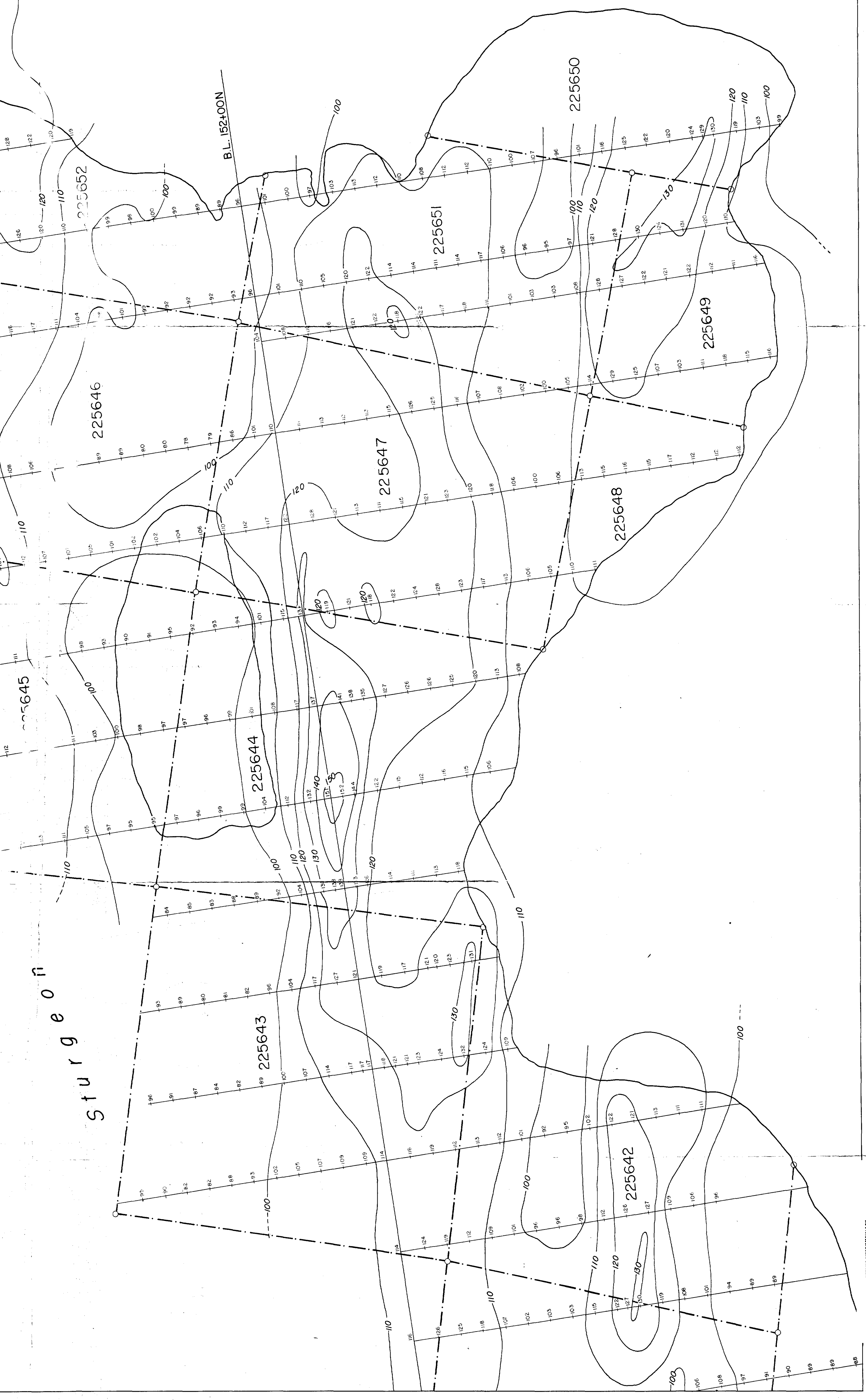
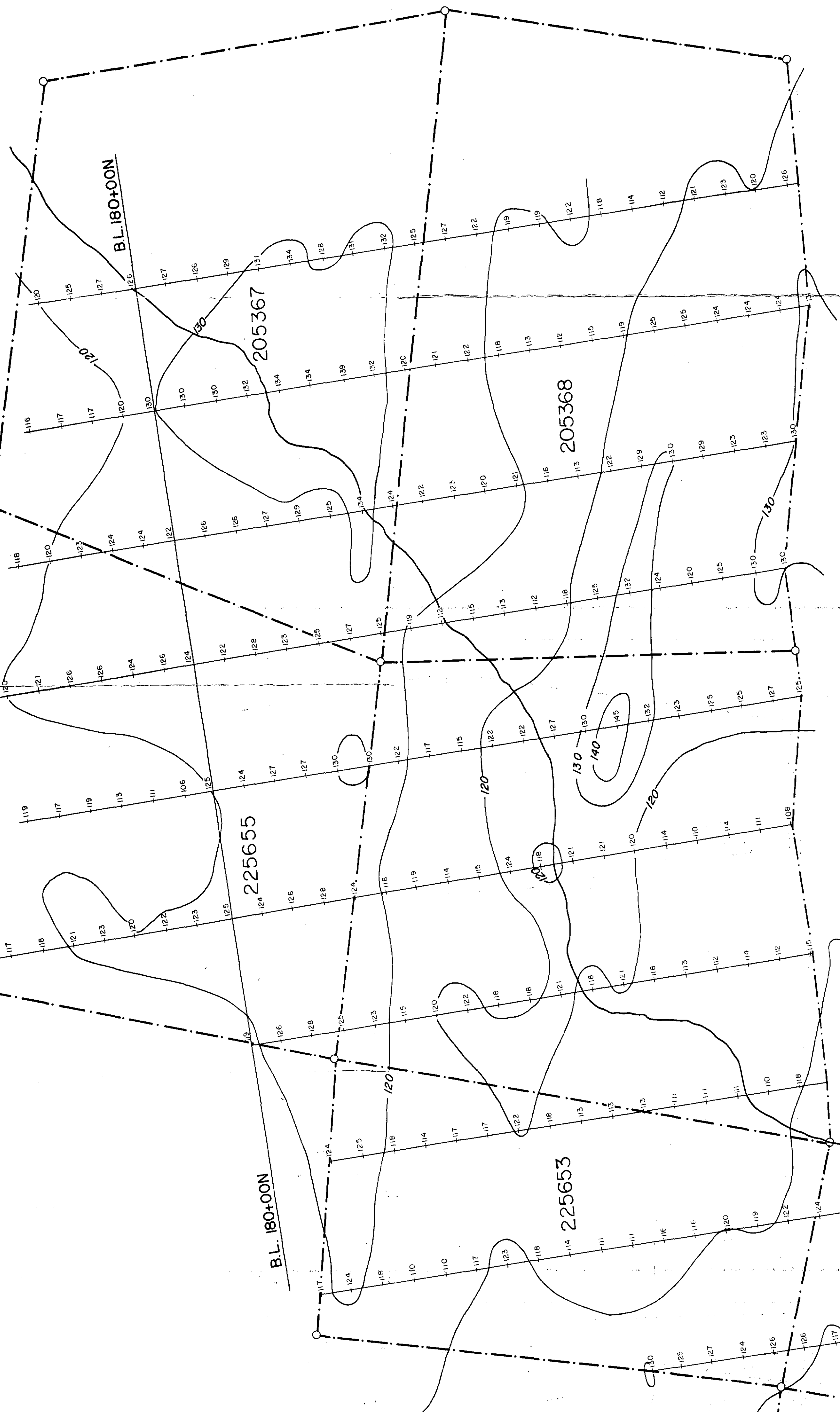
L a k e

S t u r g e o n

B.L. 180+00N

B.L. 180+00N

B.L. 182+00N



CONTOUR INTERVAL 10%
INSTRUMENT RADEW "L.F.E.M"

529/145E - 0075 #6

FIELD STRENGTH OF RESULTANT FIELD AS A PERCENTAGE
OF NORMAL FIELD STRENGTH-STATION SEATTLE WASHINGTON

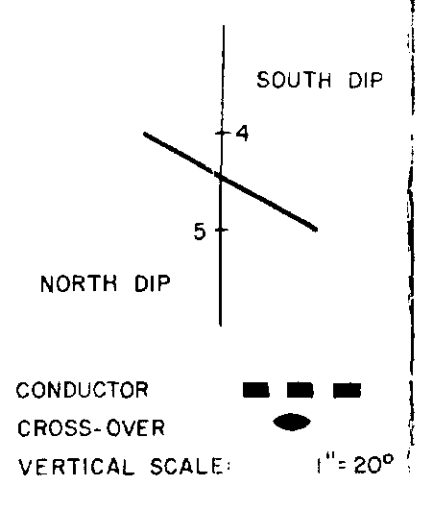
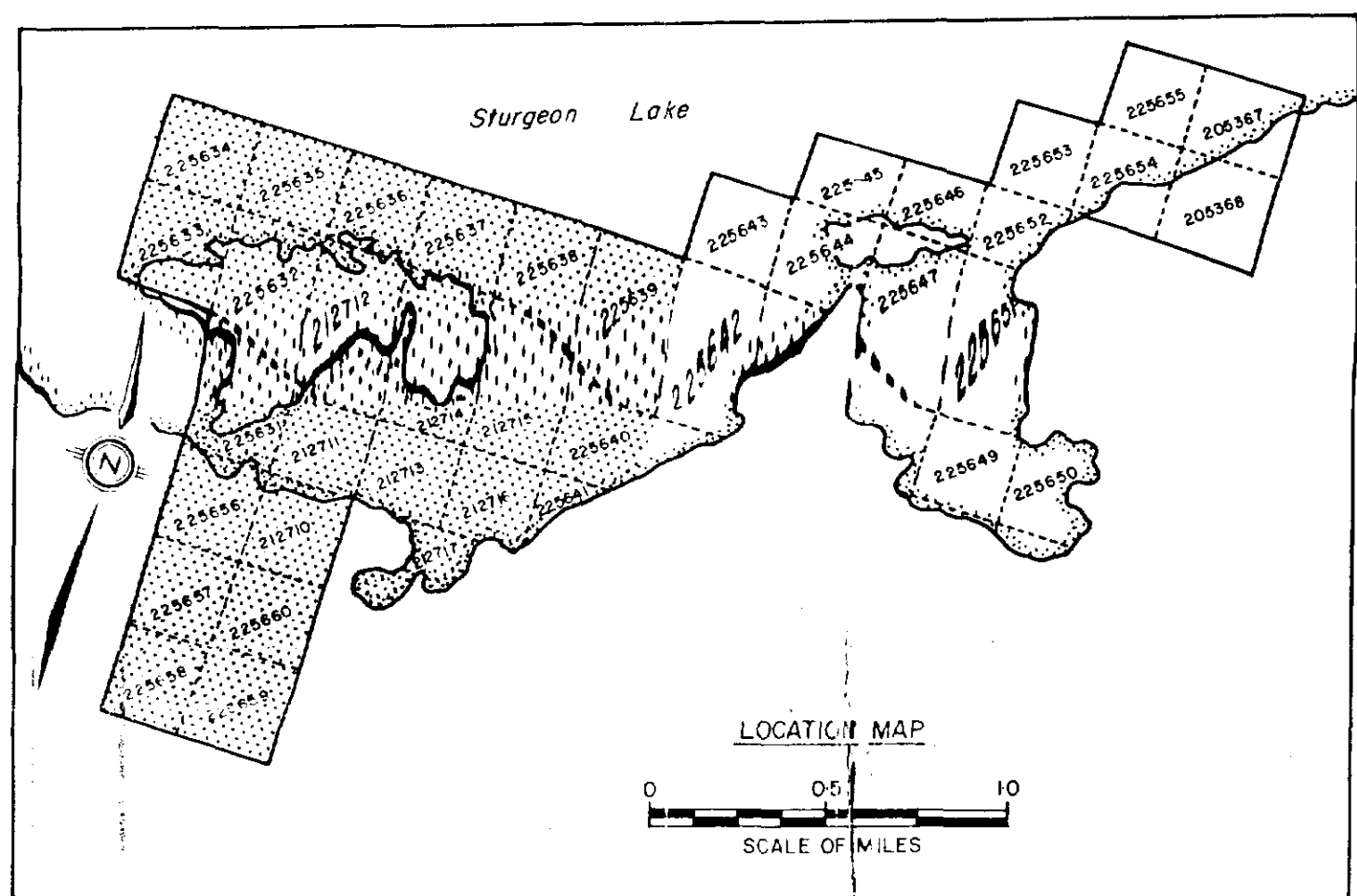
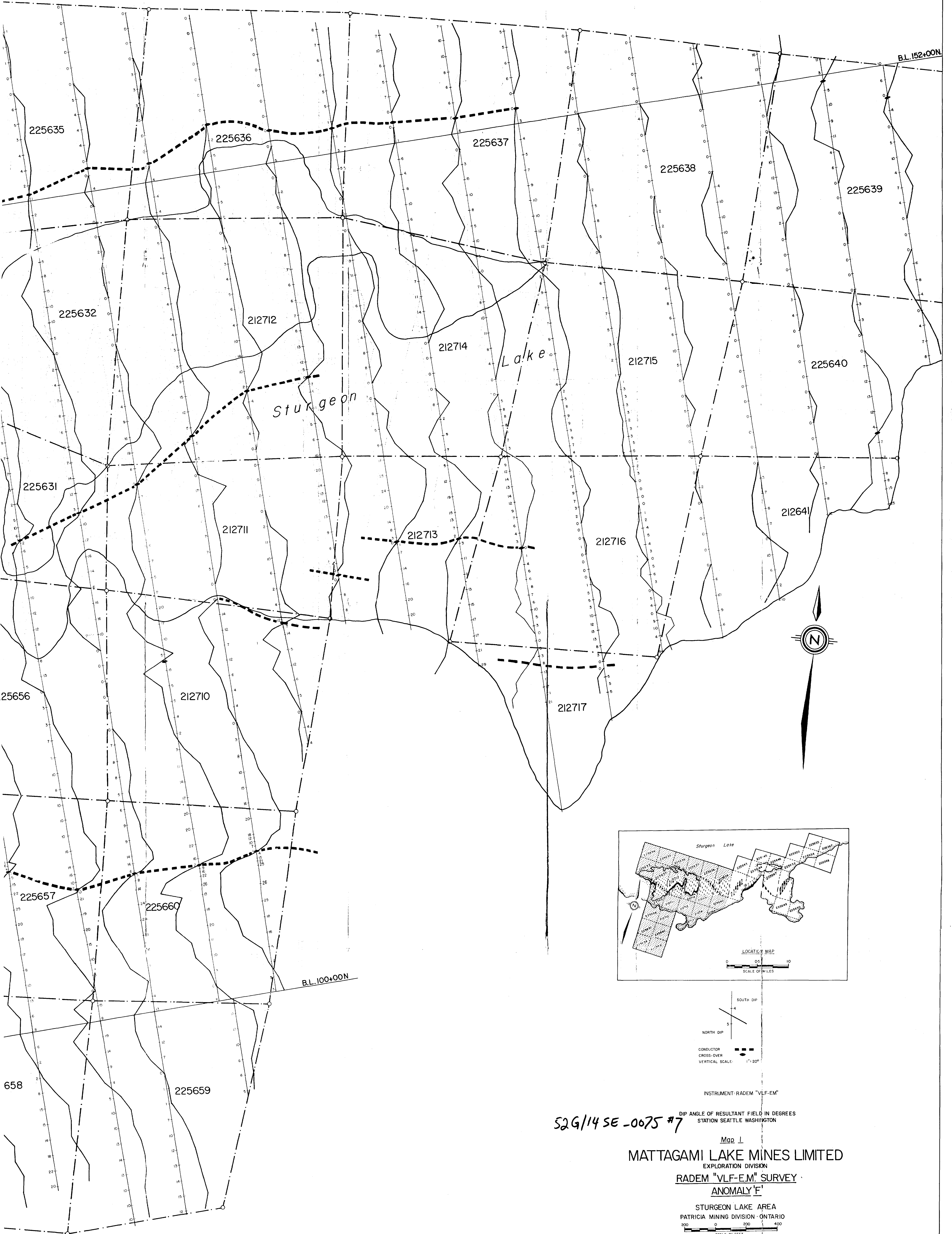
MATTAGAMI LAKE MINES LIMITED
EXPLORATION DIVISION
RADEM "L.F.E.M" SURVEY
ANOMALY F

STURGEON LAKE AREA
PATRICIA MINING DIVISION - ONTARIO

J. Duca



JW 60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W 32+00W 28+00W 24+00W 20+00W 16+00W 12+00W 8+00W



INSTRUMENT - RADEM "VLF-EM"

DIP ANGLE OF RESULTANT FIELD IN DEGREES
STATION SEATTLE WASHINGTON

52G/14 SE -0075 #7

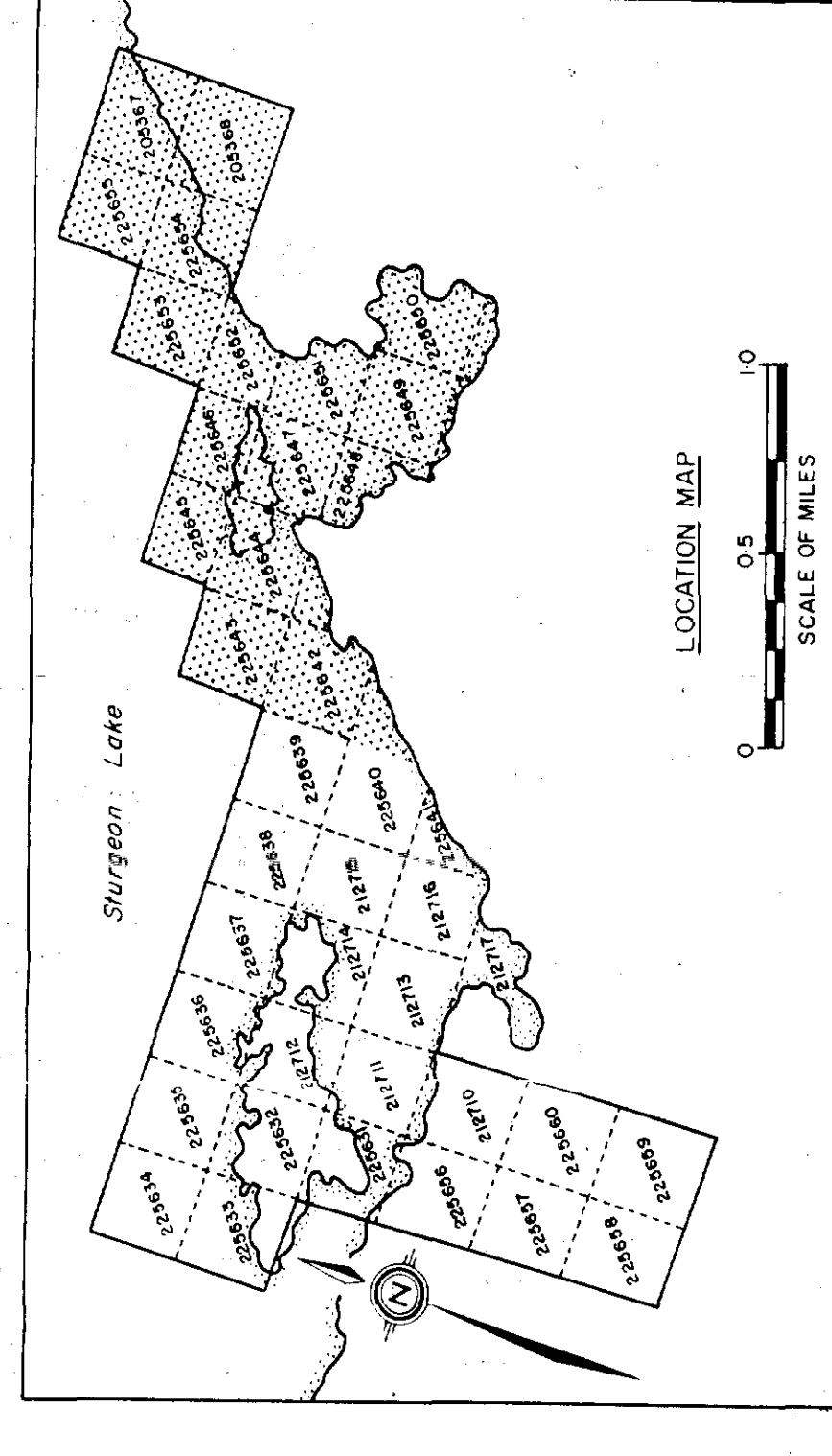
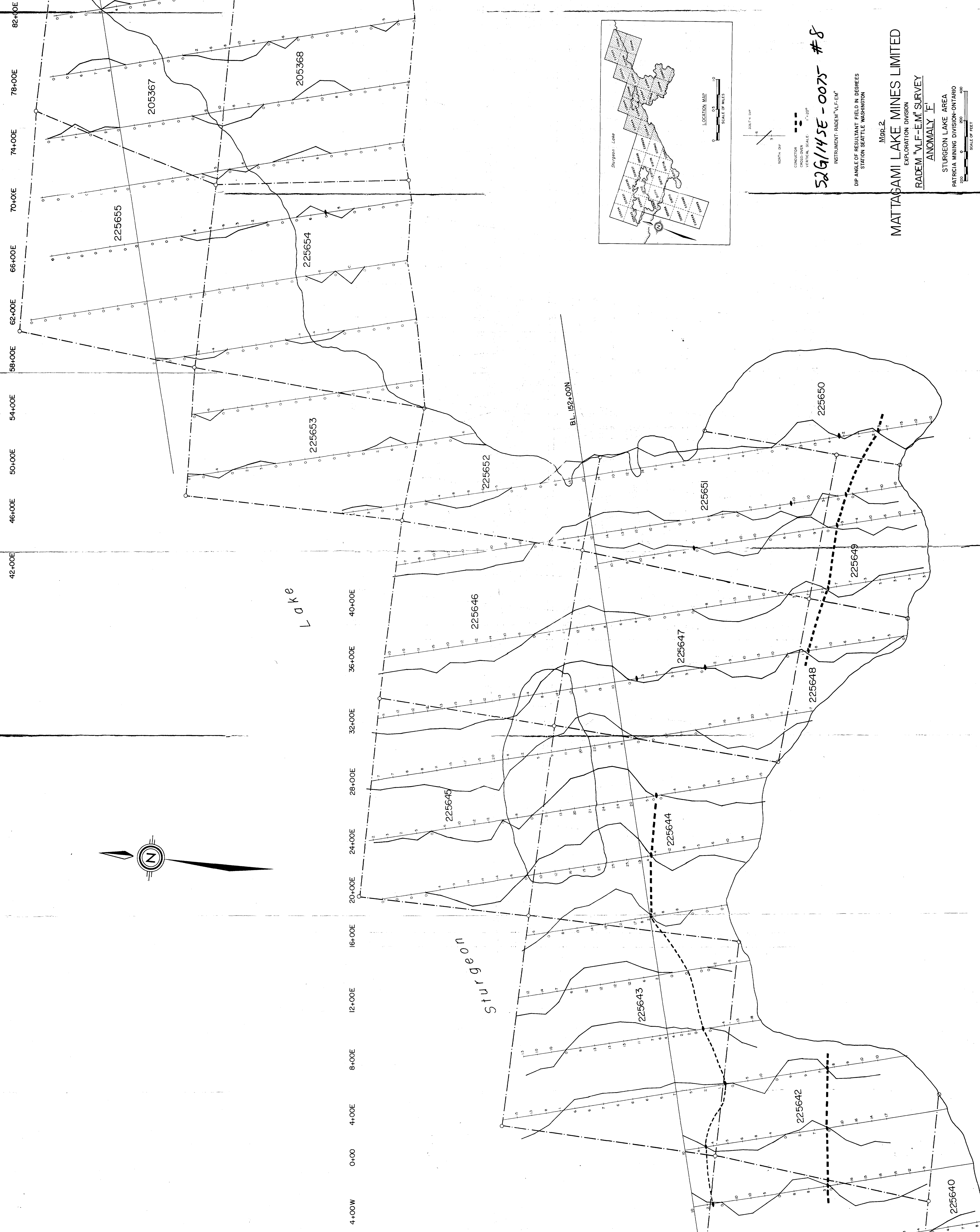
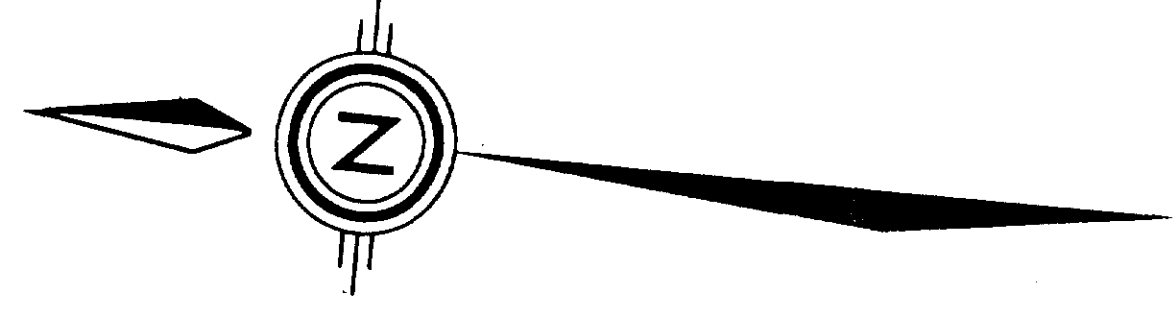
Map 1
MATTAGAMI LAKE MINES LIMITED
EXPLORATION DIVISION
RADEM "VLF-E.M." SURVEY
ANOMALY 'E'

STURGEON LAKE AREA
PATRICIA MINING DIVISION - ONTARIO

SCALE OF FEET: 0 200 400

MARCH 1970

J. Duncan

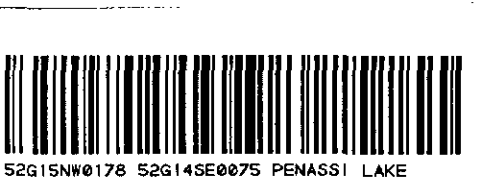
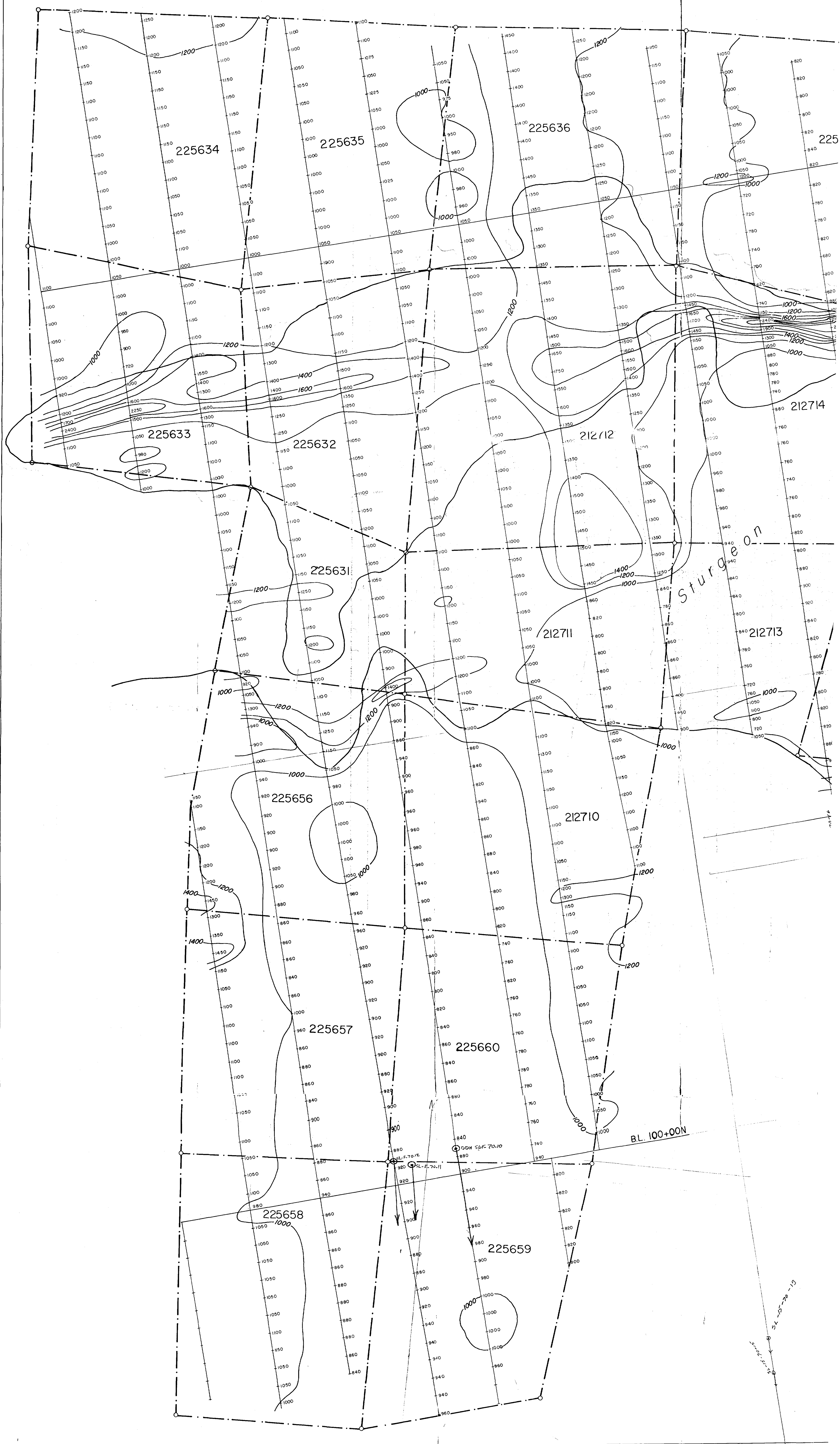


CONDUCTOR
VERTICAL SCALE 1"=20'
INSTRUMENT RADEM "VLF-EM"
DIP ANGLE OF RESULTANT FIELD IN DEGREES
STATION SEATTLE WASHINGTON

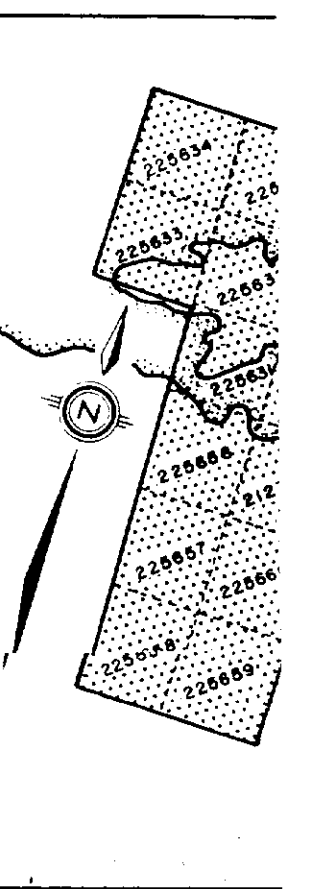
52G/145E-0075 #8

MATTAGAMI LAKE MINES LIMITED
EXPLORATION DIVISION
RADEM "VLF-EM" SURVEY
ANOMALY F
STURGEON LAKE AREA
PATRICIA MINING DIVISION-ONTARIO

76+00W 72+00W 68+00W 64+00W 60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W



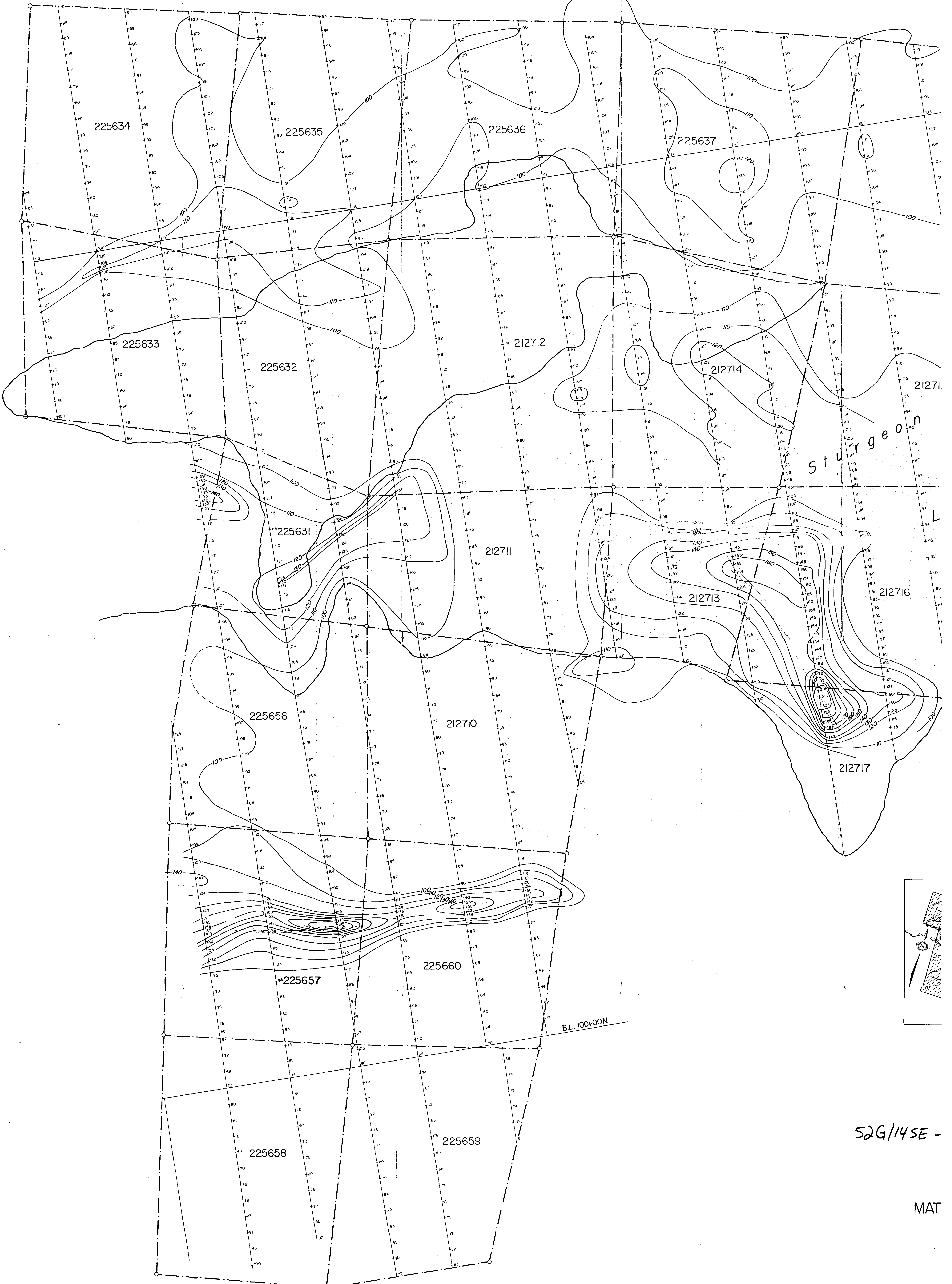
76+00W 72+00W 68+00W 64+00W 60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W 32+00W 28+00W 24+00W



52G/14SE -

MATT

76+00W 72+00W 68+00W 64+00W 60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W 32+00W 28+00W 24+00W

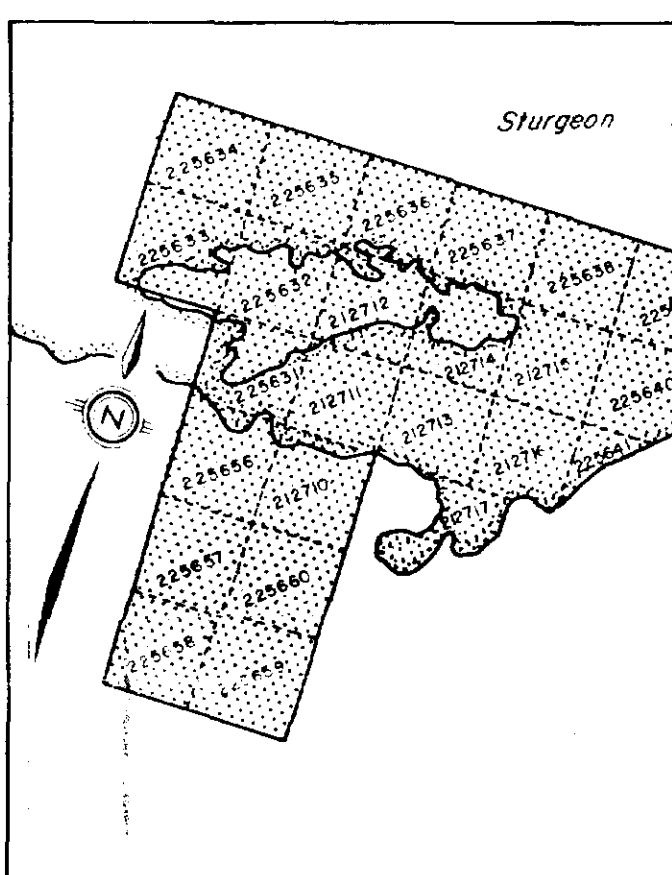
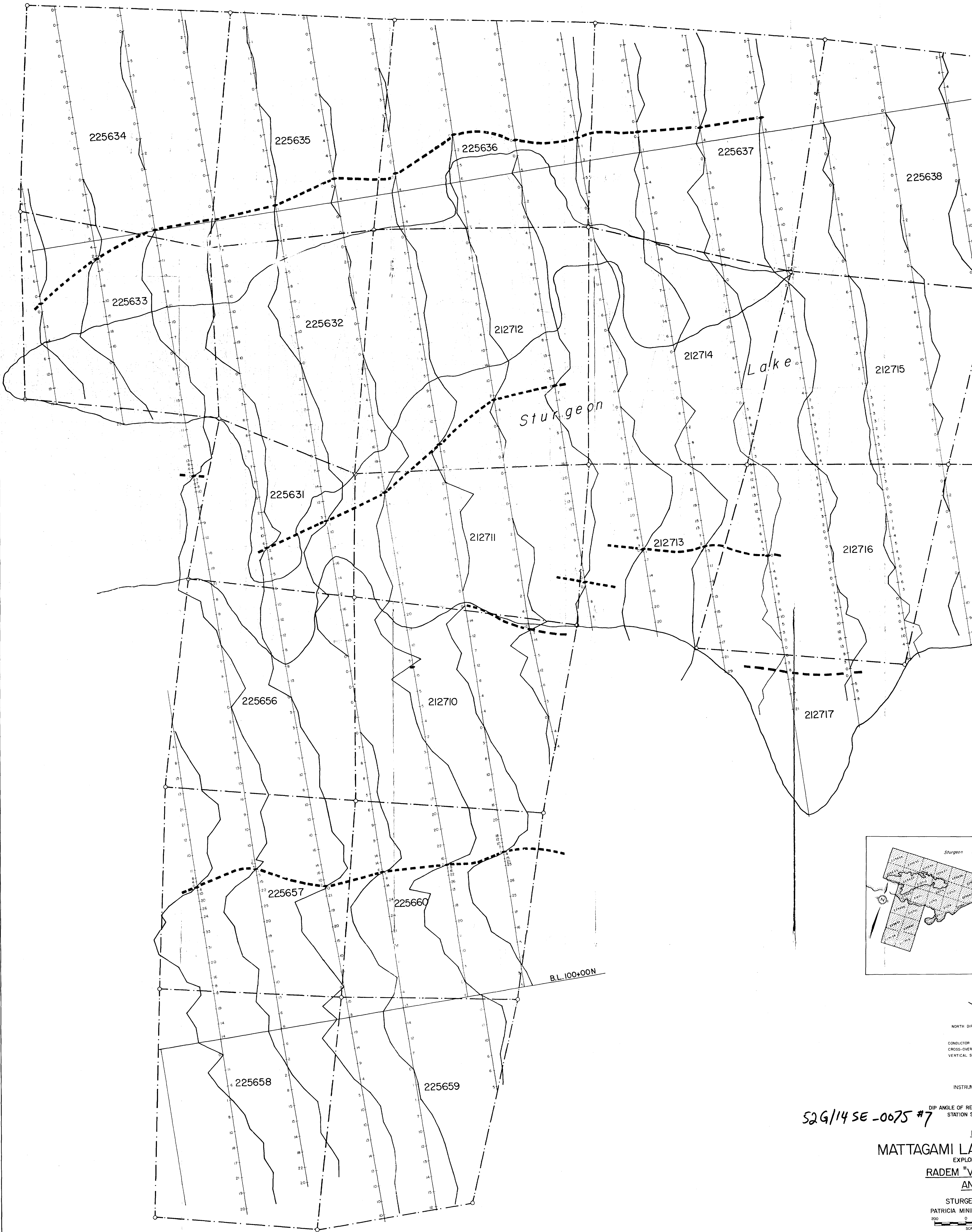


52G/14SE -

MAT



76+00W 72+00W 68+00W 64+00W 60+00W 56+00W 52+00W 48+00W 44+00W 40+00W 36+00W 32+00W 28+00W 24+00W 20+00W



NORTH DIP
CONDUCTOR
CROSS-OVER
VERTICAL SC

INSTRUM

DIP ANGLE OF RES
STATION SI

52G/14 SE -0675 #7

MATTAGAMI LA
EXPLOR
RADEM "VI
AN

STURGEON
PATRICIA MININ
200
SCALE

