010

N.T.S. 52-F-5

REPORT ON

GEOPHYSICAL SURVEYS

PERFORMED ON

ATIKWA - 1-86

CLAIM NO. K728482

KENORA MINING DIVISION

January 16th, 1987

BY: G. LaFleche
Box 272
Schumacher, Ontario
P0N 1G0

This report on electromagnetic and magnetic surveys are submitted under special provision for 20 assessment work days, per mining claim per survey. The person in charge of the surveys was Jack D. Martin, 682 Morin Street, North Bay, Ontario P1B 5R7 - 705-472-5592.

INTRODUCTION

Atikwa - 1-86 consists of two contiguous, unpatented claims numbered K728482 and K728287 (2 claims). These claims are in the name of Roy A. Martin, prospector's licence #E8275.

LOCATION AND ACCESS

These claims are located north of the eastern end of the east bay of Caviar Lake, and are approximately 120 miles south-east of the Town of Kenora.

The claims may be reached by float (summer) or ski (winter) equipped aircraft from Kenora or Nestor Falls. Also, by boat (summer) or skidoo (winter) from Whitfish Indian Reserve 32A at Dogpaw Lake. A third alternative is via the Maybrun Road to Eliza Lake, then by boat (summer) or skidoo (winter) to the claims.

TOPOGRAPHY AND VEGETATION

The central and west section of the claims is characterized by high ground with numerous outcrops. The eastern part is low and swampy. A large stand of red pine covers the central and western part of the claims. The eastern part is covered with tag alders, ash, cedar, spruce, balsam and poplar.

LINECUTTING

A base line was cut north from post No. 3 of claim No. 728482 to 445 metres north to post No. 4 of claim No. 728482. Cross lines were cut at right angles from the base line and were cut

at 100 metres from line 0+00 to 1+00 north, then at 1+50 metres north, 2+00 metres north, 2+50 metres north, 3+00 metres north, 4+00 metres north, 4+45 metres north. The base line and cross lines were all cut, chained and picketed at 0.25 metre intervals. In all, 4.0 kilometres of lines were cut, including a tie line on the eastern part of the claim.

ELECTROMAGNETIC SURVEY

The electromagnetic survey was done with a Crone radem V.L.F.E.M.

The instrument consists of a V.L.F. receiver with an attached inclinometer. The transmitter station used was Annapolis, Maryland, one of several locations situated in different parts of the world. The Annapolis station was chosen because it lies in the same direction as the regional strike of the formation. The primary electromagnetic transmission of the Annapolis station, with a frequency of 21.4 KHZ, links with any conductor, producing an induced current which gives rise to a secondary, electro magnetic field at a given receiving station. The direction of the resultant field is determined by means of the receiver with its attached inclinometer. Measurements are made in terms of dip angles and are recorded in terms of percent. The plotting of the dip angles gives profiles which are useful in estimating the depth and dip of

the conductor and its relative conductivity.

MAGNETIC SURVEY

The instrument used was a McPhar fluxgate magnetometer, model M-700.

Base readings were taken along the base line, and all other readings were calculated relative to the base readings. Readings were taken at the base control stations at periodic intervals to discern day to day and diurnal drift. Any changes noted in the magnetic intensity were then applied as factors and progressive adjustments were made to each reading taken during the specified period of time.

The results of the magnetic survey are shown on the prints accompanying this report.

RECOMMENDATION

Lines to be cut on claim K728287 and the west anomaly to be traced wouth with the V.L.F.E.M. and by prospecting to try to locate the conductor on surface. The east condutor with magnetic correlation to be detailed with a horizontal loop E.M.

G. LaFleche,

Schumacher, Ontario.

Jack D. Martin

per: Jack D. Martin

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N.T.S. 52-F-5

REPORT ON

GEOLOGICAL SURVEY

PERFORMED ON

ATIKWA - 1-86

CLAIM NO. K728482

KENORA MINING DIVISION

January 16th, 1987

BY: G. LaFleche,
Box 272
Schumacher, Ontario.
P0N 1G0

This report on geological survey is submitted under special provisions for credit of 20 assessment work days per mining claim per survey. The person in charge of the surveys was Jack D. Martin, 682 Morin Street, North Bay, Ontario P1B 5R7 705-472-5592

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GEOLOGY

Most of the claim is underlain by intermediate diorite, granodiorite and sheared meta volcanics. A quartz vein one foot wide, mineralized with approximately 5% py lies in sheared

grandiorite near the contact of the sheared meta volcanics. The quartz vein has been exposed for approximately 100 metres. A shaft 2 metres by 3 metres and approximately 6 metres deep has been sunk on the vein. The vein strikes north-south with a 90^{o} dip. Gold values of up to 2.0 ox. au per ton are reported in the vein.

G. LaFleche,

Schumacher, Ontario.

Jack D. Martin

per: Jack D. Martin

Ontario Ministry of Natural Resources

Report of Work
(Geophysical, Geolo
Geochemical and Ex

52F05NE0004 2.9718 ATIKWA LAKE (GRAPNEL

900

print. #14-8
mining claims traversed
on this form, attach a list.
credits calculated in the
s" section may be entered
end. Days Cr." columns.
aded areas below.

Type of Survey(s): ELECTROMAGNETIC, MAGNETOMETER, GEOLOGICAL

Township or Area: ATIKWA LAKE. G 2603

Claim Holder(s): ROY A. MARTIN

Prospector's Licence No.: E-8275

Address: % 682 MORIN STREET NORTH BAY, P1B 5R7.

Survey Company

Date of Survey (from & to): 24 Day | 10 Mo. | 86 Yr. | 28 Day | 10 Mo. | 86 Yr.

Total Miles of line Cut: 2 1/4 MILES.

Name and Address of Author (of Geo-Technical report): GERALD LAFLECHE 117 THIRD AVE. SCHUMACHER ONT P0N 1G0.

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	40
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	20
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	728482	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
JAN 28 1987
MINING LANDS SECTION

KENORA MINING DIV.
RECEIVED
JAN 23 1987
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

728482

Total number of mining claims covered by this report of work.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
80	Jan 23/87	M. Lemay
	Date Approved as Recorded: 87.2.4	Branch Director:

Date: JAN 13/87

Recorded Holder or Agent (Signature): Jack D. Mart

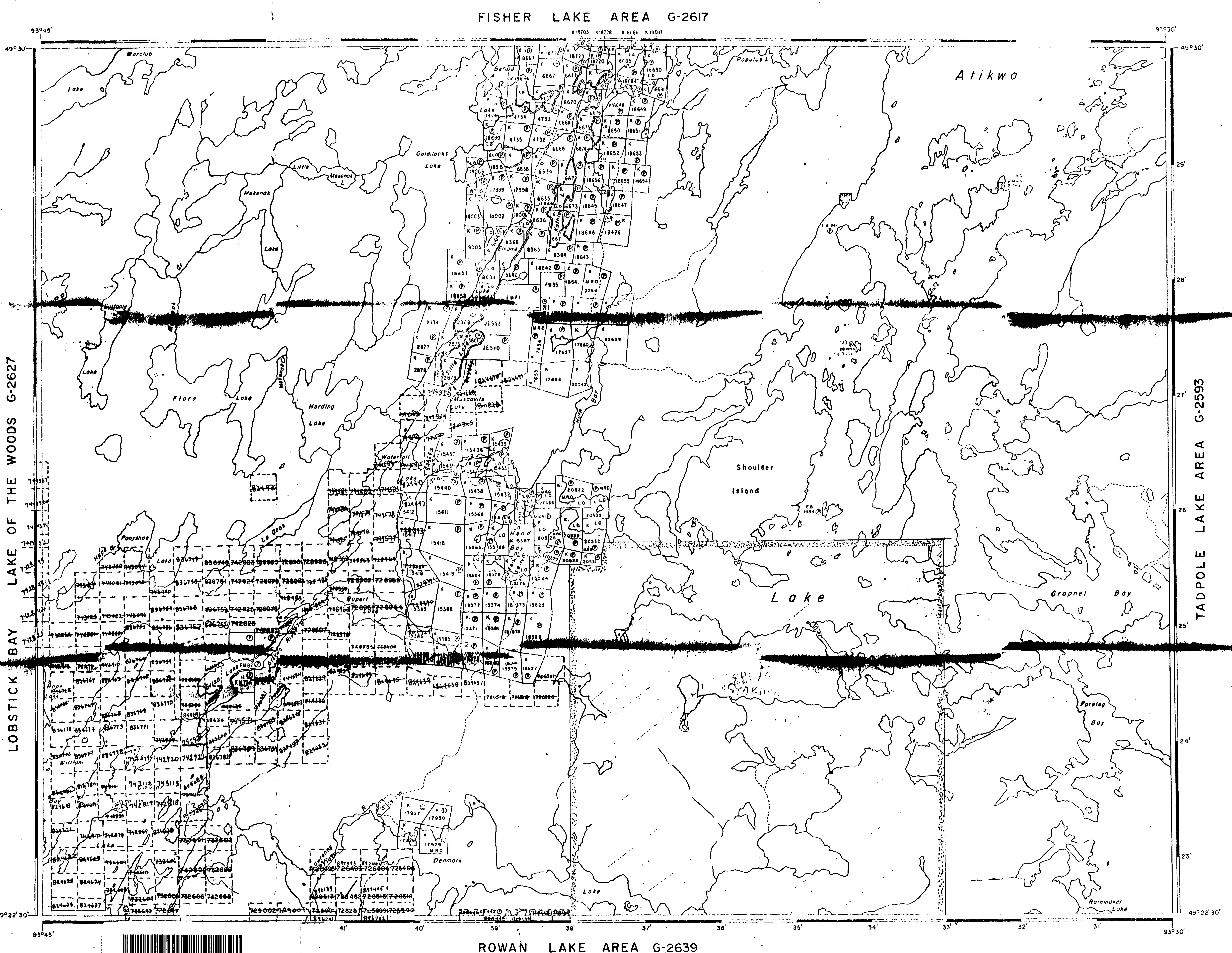
Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: JACK D. MARTIN 682 MORIN STREET NORTH BAY. ONTARIO P1B 5R7.

Date Certified: JAN 13/86

Certified by (Signature): Jack D. Mart



LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc
LICENSE OF OCCUPATION	L O
MINING RIGHTS ONLY	M R O
SURFACE RIGHTS ONLY	S R O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAIL WAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No	Date	Disposition	File

KENORA MINING DIV. RECEIVED JAN 22 1987 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

SCALE: 1 INCH = 40 CHAINS

AREA
ATIKWA LAKE
GRAPNEL BAY

M.N.R. ADMINISTRATIVE DISTRICT
KENORA
MINING DIVISION
PATRICIA
LAND TITLES / REGISTRY DIVISION
KENORA (PATRICIA PORTION)

Ministry of Natural Resources Ontario — Land Management Branch

Date FEBRUARY, 1984

Number G-2603

200

494933

0 BL

360° Az

445 N

400 N

300 N

250 N

200 N

150 N

100 N

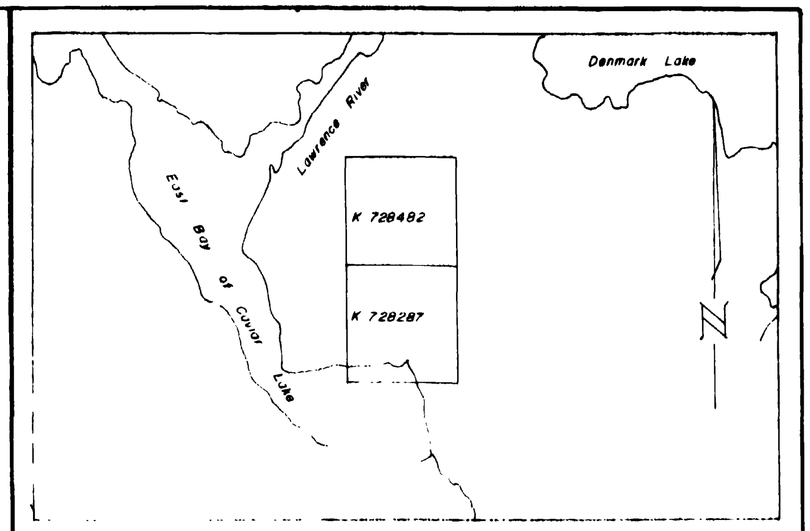
0

K 728482

K 728287

cedar

cedar



LOCATION PLAN

Atikwa Lake

Scale 1" = 1320

LEGEND

1 granodiorite

2 andesite

3 [illegible]

4 ash

SYMBOLS

outcrop

geological contact: assumed, defined

ridge or hill

swamp

29718

GEOLOGICAL SURVEY

Atikwa Lake 1-86

Atikwa Lake Area — Ontario

Atikwa Lake

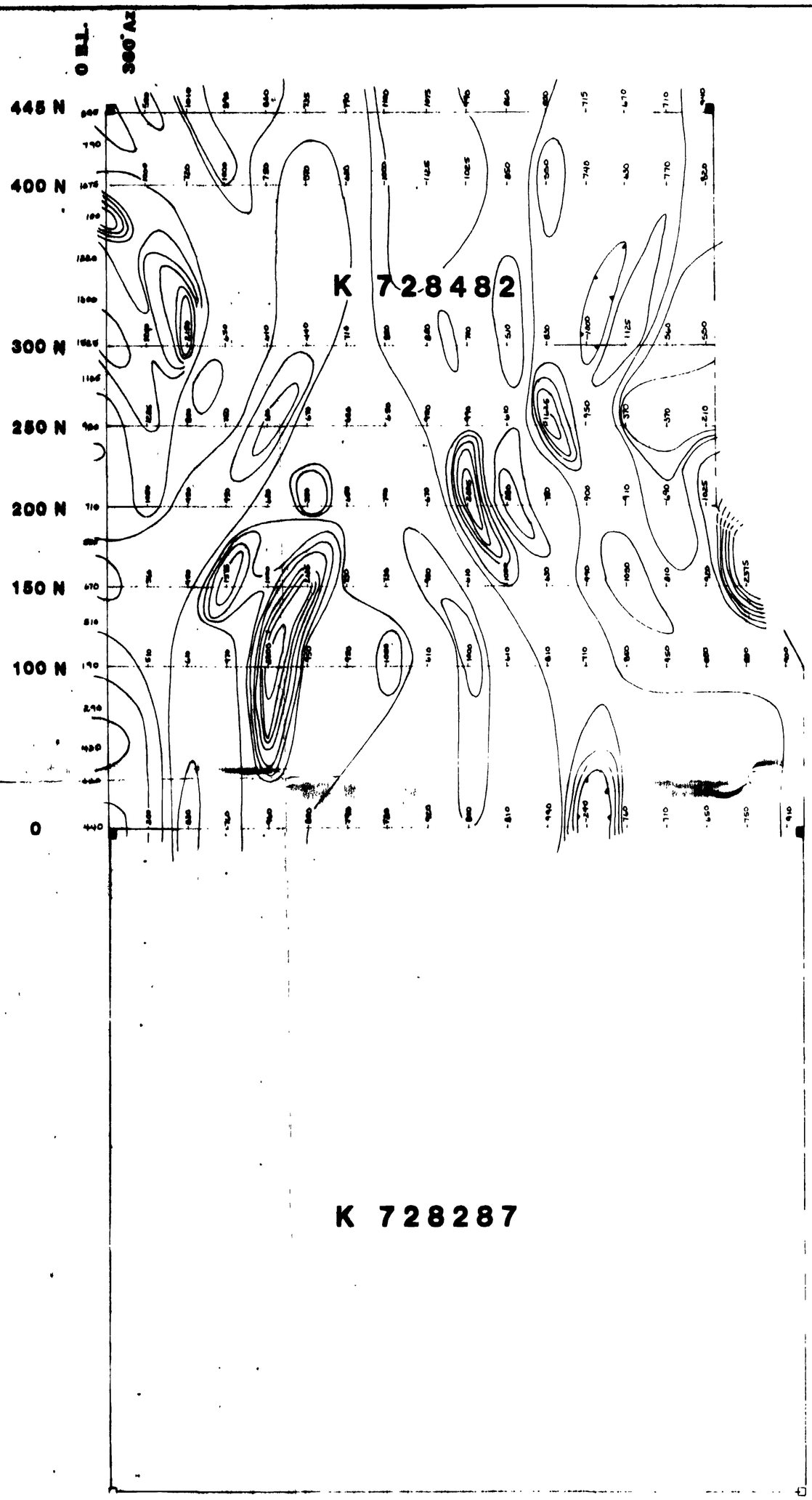
N.T.S. 52-F-5

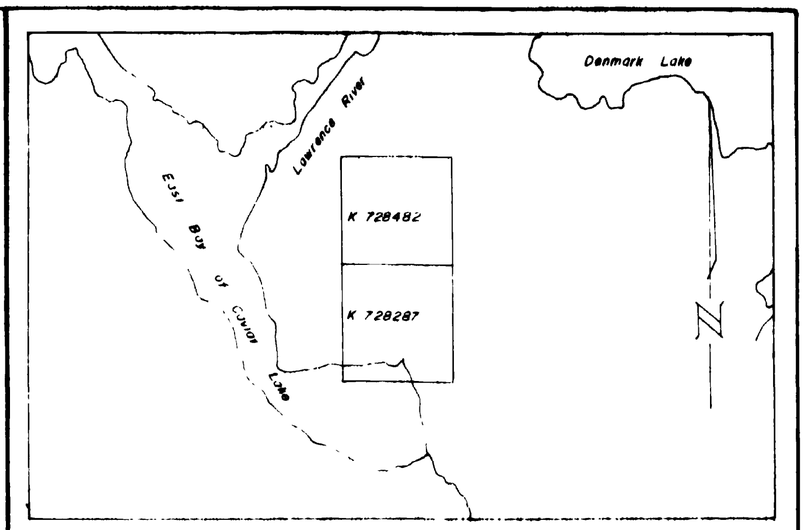
MINING DISTRICT Kenora District

SURVEYED BY: G LaFleche SCALE 1:2000

DRAWN BY: G LaFleche DATE Nov 1986

G. La Fleche





LOCATION PLAN

Atikwa Lake

Scale 1" = 1320'

LEGEND

INSTRUMENT: McPhar Fluxgate M-700
READINGS: Directly in gammas

Isomagnetic Contours — 860

Magnetic Depression

Magnetic Base Station ▲

Contoured at: 200 gammas
No. of readings: 143
Dates of Survey:

2.9718

MAGNETIC SURVEY

Atikwa Lake 1 - 86

Atikwa Lake Area — Ontario

Atikwa Lake

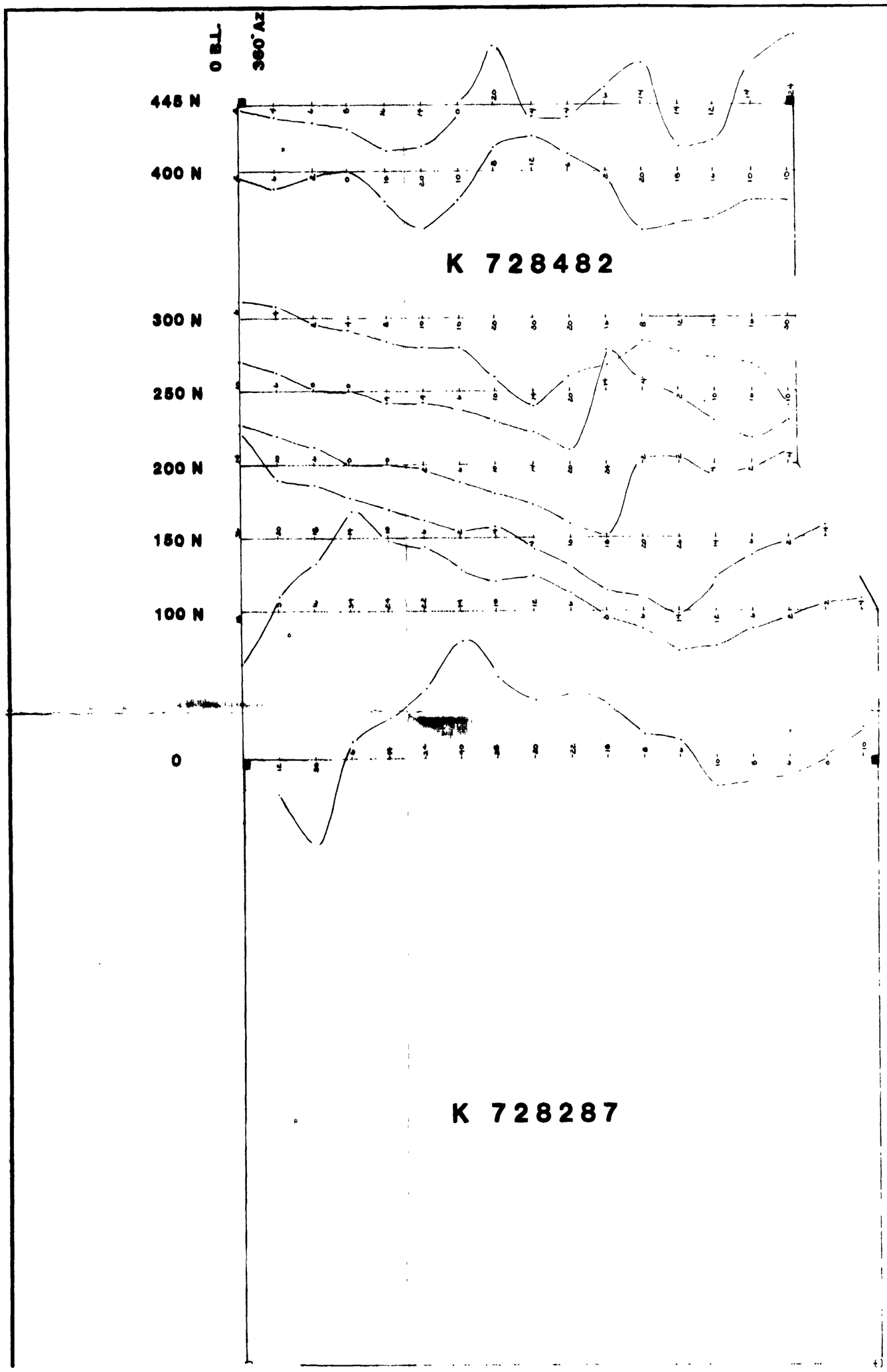
N.T.S. 52 - F - 5

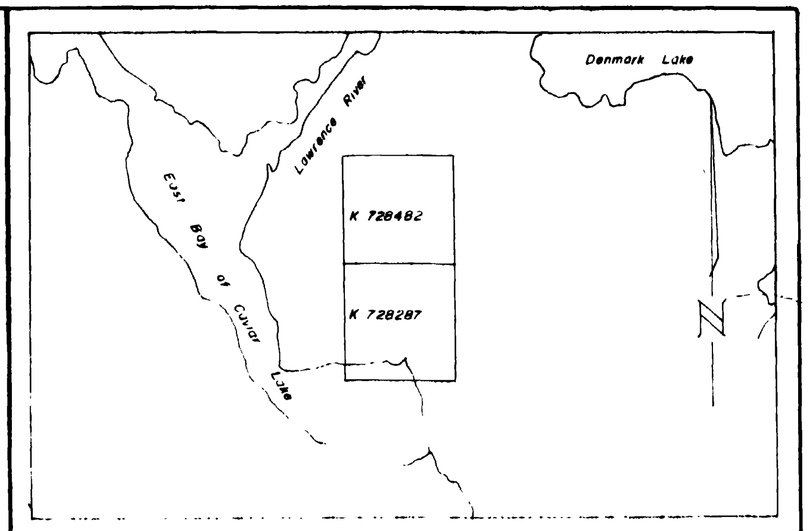
MINING DISTRICT
Kenora District

SURVEYED BY: J. Martin — SCALE: 1:2000

DRAWN BY: L. LaFleche — DATE: Nov. 1986

L. La Fleche





LOCATION PLAN

Atikwa Lake

Scale 1" = 1320'

LEGEND

INSTRUMENT Radem (Crone V L F)
READINGS Resultant E M F in degrees of dip
North (or West) readings plotted to right of line
South (or East) readings plotted to left of line
Profile Scale : 1cm = 10%

Defined Conductor Axis

Suggested Conductor Axis

Source Station A M
No of readings. 138
Dates of Survey

29718

V.L.F. SURVEY

Atikwa Lake 1-86

Atikwa Lake Area — Ontario

Atikwa Lake

N.T.S 52 F 5

MINING DISTRICT Kenora District

SURVEYED BY G LaFleche — SCALE 1 200'

DRAWN BY L LaFleche — DATE Nov 1986

G. La Fleche

0 B.L.

360° Az

445 N

400 N

300 N

250 N

200 N

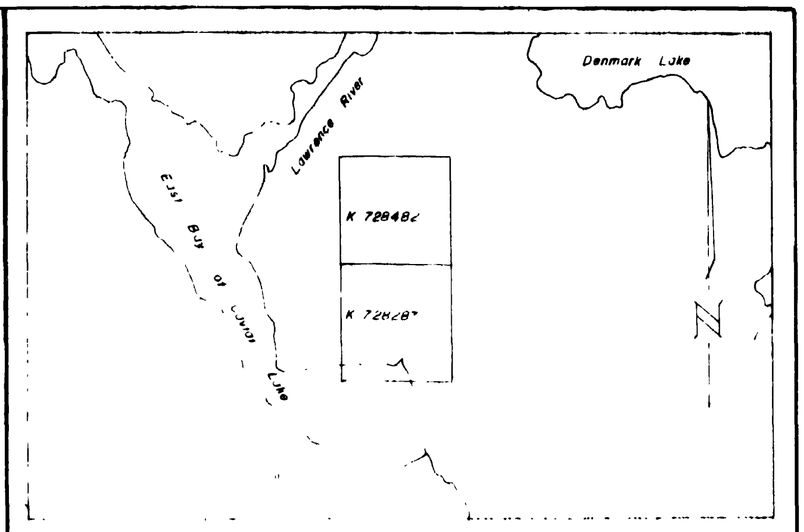
150 N

100 N

0

K 728482

K 728287



LOCATION PLAN

Atikwa Lake

Scale 1" = 1320'

2.9718

FRASER FILTER

Atikwa Lake 1-86

Atikwa Lake Area — Ontario

Atikwa Lake

N.T.S 52 - F - 5

MINING DISTRICT Kenora District

SURVEYED BY: _____ SCALE: 1 200'

DRAWN BY: L LaFleche DATE: Nov 1986

L. LaFleche