AGASSIZ RESOURCES LTD.

HODGE AND BOX LAKE GRIDS

MENARY AND SENN TOWNSHIPS

ONTARIO

NTS 52 C/13

REPORT ON

MAGNETIC, VLF AND HORIZONTAL LOOP EM SURVEYS

A. JAMES WALKER, P. ENG.

August 2, 1984

LIST OF CONTENTS

INTRODUCTION

At the request of Mr. Brian Christie of Agassiz Resources Ltd., Walker Exploration contracted to carry out magnetic and horizontal loop EM surveys over the Hodge Grid in Menary Township and magnetic and VLF-EM surveys on the Box Lake Grid in the adjoining Senn Township.

Lines were cut and chained by another contractor.

The magnetic survey was made with an EDA total field memory magnetometer. Drift was controlled by using an EDA base station magnetometer.

The horizontal loop EM survey was carried out with an Apex Parametrics MaxMin II PLUS unit, at 800 foot coil spacing and frequencies of 1777 Hz and 444 Hz. Some tests were carried out at 200 feet and 400 feet coil spacings.

The VLF-EM survey at Box Lake was made with a Geonics EM16 unit, using two transmitter stations, Seattle, Washington, (24.8 kHz) and Annapolis, Maryland (21.4 kHz).

Field work was carried out during the period June 11th - 30th, 1984.

SUMMARY

The magnetic survey shows a general north-east trend to the volcanic rocks over both grids. The survey traces were mafic units and suggest possible intrusives. Some north-south faulting is indicated.

The electromagnetic survey located 5 conductors on the Hodge grid,

all but one of which is associated with gossans containing pyrite. A surface expression of the remaining conductor has not yet been found.

The VLF-EM survey over the Box Lake grid has shown conductors likely caused by mineralized shears or faults.

Further examination of conductors and cross cutting shears and faults will be required.

PROPERTY

The property is lcoated about 20 kilometers north of Emo. Ontario, and about 3 kilometers east of Highway 71, in the northeast part of Menary Township (43 claims) and the northwest part of Senn Township (6 claims). Claims are held by Agassiz Resources Ltd. Access is by a bush road extending east of Highway 71.

PREVIOUS WORK

Several gossan areas have been located on previous prospecting and mapping. One zone was tested by drilling 2 holes in 1973, by Hudson Bay Mining and Smelting which gave low values in zinc. Hudson Bay are reported to have flwon an EM survey as well as some ground EM tests.

GEOLOGY

Ref. Map 2325 Off Lake, Burditt Lake by C. F. Blackburn.

The grids are located along a northeast trending belt of Precambrian mafic volcanics, with granite to the west and felsic to intermediate volcanics to the east. Intrusives of diabase, diorite and granite have been mapped along the belt.

Prospecting and mapping by Mr. Brian Christie has located several gossan areas on the grid, with pyrite the main sulphide mineral.

SURVEY METHODS

The magnetic survey was made with an EDA PPM 300 total field proton magnetometer reading 50 foot stations along lines 400 feet apart.

Diurnal drift control was made using an EDA PPM 400 base station magnetometer. Both magnetometers ahve solid state memories, which allows for automatic drift correction. Print-outs of values and profiles to scale were made each day to monitor errors and be available for the geologist. Final maps are presented with values and contours of values on separate sheets.

The horizontal loop EM survey was made with an Apex Parametrics MaxMin II Plus unit. Coil spacing was 800 feet and frequencies used were 444 Hz and 1777 Hz. An attempt was made to use 222 Hz, but results were too "noisey". Some tests were carried out over anomalous areas at 200 foot spacing. A test was made over a gossan area with 400 foot spacing. Observations were made at 100 foot stations, on lines 400 feet apart. Values and profiles for each frequency are plotted on separate sheets.

The VLF-EM survey of the Box Lake Grid was carried out using a Geonics EM16 VLF unit. Transmitting stations observed were Seattle, Washington, NLK (24.8 kHz) and Annapolis, Maryland, NSS (21.4 kHz). Data is plotted in

plotted in profile form, as well as contours of filtered dip angle values. Stations were read at 50 foot intervals.

An inclinometer survey was used prior to commencing the MaxMin II survey. The survey allowed for calculations for control of the MaxMin survey, providing average coil tilts, and correction of in-phase values in rough topography. The computer program also gave relative station elevations along a line. A topographic map with elevation values and contours was also provided from the data.

SURVEY RESULTS

Hodge Grid

The magnetic survey values have been contoured, and show a general northeast trend to the volcanics. The higher magnetic units likely represent the more mafic flows. Offsets in the trends suggest some north-south faulting. A strong north-south fault is located along the east part of the largest lake. Some intrusives are also suggested, such as the north end of lines 16E, 20E and 24E. Also at the south end of lines 12W and 16W.

The power line near the east end of the grid caused interference, eliminating good data along the lines (2 high voltage lines).

The MaxMin II EM horizontal loop survey located 5 conductors, of which only one has not been located in the geological mapping programme. We are advised by Mr. Brian Christie of Agassiz that he has located pyrite bearing gossans along the other conductors. Conductors are mainly narrrow and steep dipping.

Conductor 1 on lines 52W and 48W has weak to medium conductivity with a suggested depth of more than 200 feet. The zone is along a magnetic unit.

Conductor 2 on lines 16W to 8W, (400 to 600 feet north of base line) has weak to medium conductivity and magnetic coincidence. Depth suggested by 800 foot coil separation is greater than 200 feet. However depth indicated by a 200 foot coil spacing test is only 50 feet. There may be two separate zones.

Conductor 3 on lines 20W to 12W and 950 feet south to 600 feet south is similar to Conductor, with magnetic coincidence and possibly an upper and lower conductive zone.

Conductor 4 on lines 32E to 48E and from 300 to 900 feet north of base line is a weak conductor with magnetic coincidence. Depth is greater than 200 feet. On line 40E a 200 foot coil spacing test indicates a zone of shallower depth and up to 100 feet north of the deeper zone.

Conductor 5 on line 20W at about 1500 south is a short zone of medium conductivity with a depth of 80 feet. It is not seen in the regular 800 foot coil spacing survey, probably because of short strike length. It is coincident with a narrow, short magnetic zone.

The EM survey over the small sulphide zone where previous drilling had some low zinc values, did not locate a conductor.

Box Lake Grid

The magnetic survey has been contoured, and shows a general north-east trend, comparable to the volcanic rocks. Narrow magnetic bands are

present, likely representing more mafic units.

The VLF-EM survey has shown several parallel conductors cutting across the general volcanic trend. Of particular interest is the area from 1000 north on line 2W to 200 north on line 8W, where a north-south fault is suggested by both VLF and magnetics. The VLF conductors seem to terminate at this structure. Conductivity is generally weak to medium and conductors likely represent shearing or faulting.

CONCLUSIONS

The magnetic survey on both grids has outlined mafic volcanic flows, which have been displaced by north-south faults.

The EM survey on the Hodge grid has located zones of weak to medium conductivity, usually with magnetic coincidence, which has been explained in part by gossan zones containing pyrite. However, as the zones appear to be deep, the gossans may not entirely represent the zones at depth.

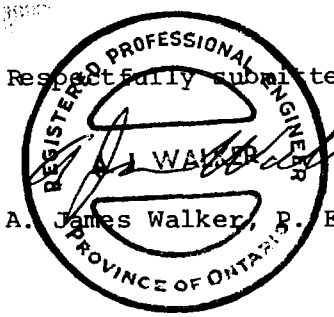
The VLF-EM survey on the Box Lake grid has located several weak conductors, likely representing shearing and faulting, and likely represent the most interesting area for precious or base metals.

The surveys should assist in the prospecting and mapping of the properties.

The survey data should be compared to the known geological data and previous work, and gossans should be sampled and assayed to determine if conductors at depth could have any chance for precious or base metals.

It has previously been recommended that a geophysicist review the data and results of these surveys.

Respectfully submitted,



A. James Walker, P. Eng.

AJW:sb
August 2, 1984.

SURVEY DATA

Hodge and Box Lake Grids, AGASSIZ RESOURCES LTD.
Menary and Senn Twps., KENORA MINING DIVISION, Ontario.

COVERING DATES:	Field Work -	Linecutting:	May 14, June 16, 1984
		Geophysics :	June 11-June 30, 1984
	Office -	Drafting :	July 10-25, 1984
		Data :	July 5-13, 1984
		Report :	July 26-Aug. 2, 1984

CREW

MaxMin II EM Survey	James Tough, Bracebridge, Ontario
	P. Miles, Proton Station, Ontario
	D. Miles, Proton Station, Ontario
Magnetometer Survey	P. Miles, Proton Station, Ontario
	D. Miles, Proton Station, Ontario
VLF-EM Survey	J. Tough, Bracebridge, Ontario
Consulting	J. Betz, Toronto, Ontario
	F. Jagodits, Toronto, Ontario

INSTRUMENTS

Horizontal Loop EM	Apex Parametrics, MaxMin II Plus
	Frequencies Used: 444 Hz, 1777 Hz
	Coil Spacing: 800 feet
	Tests : 200 feet and 400 feet
	Readings at 100 foot intervals

Magnetometer Survey	EDA PPM 300 Total Field, Proton with solid State Memory EDA PPM 400 Base Station Total Field, Proton with solid State Memory Corrected Values Stored on Cassette, Tape of HP85 Computer Readings at 50 foot stations
VLF-EM Survey	Geonics EM16 Measuring dip angles in % Quadrature phase % Transmitter Stations Used: NLK, Seattle, Washington, 24.8 kHz NSS, Annapolis, Maryland 21.4 kHz Readings at 50 foot stations.

CERTIFICATE

With regards to my report of August 2nd, 1984, for Agassiz Resources, I, A. James Walker of 406 Canterbury Crescent, Oakville, Ontario do certify that:

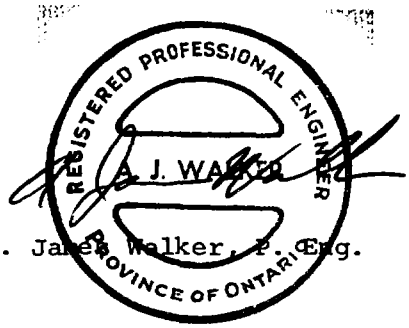
1) I am a Registered Professional Engineer in the Province of Ontario.

2) I am a graduate of the Haileybury School of Mines (1947).

3) I have been practising my profession continuously since 1948.

4) I am President of Walker Exploration Ltd., a survey contracting company.

5) I have no interest in the claims covered by this report in Menary and Senn Townships or in the shares of Agassiz Resources Ltd., nor do I expect to receive any interest.



August 2, 1984

A. James Walker, P. Eng.

APPENDIX

ENCLOSURES

Hodge Lake	Magnetic Survey - Contours
	Magnetic Survey Values
	Electromagnetic Survey 800' Spacing 1777 Hz
	Electromagnetic Survey 800' Spacing 444 Hz
	Electromagnetic Survey 200' Spacing 1777 Hz
	Electromagnetic Survey 200' Spacing 444 Hz
Box Lake	Magnetic Survey - Contours
	Magnetic Survey - Values
	VLF-EM Values and Profiles - Seattle
	VLF-EM Values and Profiles - Annapolis
	VLF-EM Filtered Values and Contours - Seattle
	VLF-EM Filtered Values and Contours - Annapolis

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#172-84

Minin

52C13NW0007 2.7149 BEADLE LAKE

900

Type of Survey(s): EM AND MAG	Township or Area: MENARY TP M-2066
Claim Holder(s): AGASSIZ RESOURCES LIMITED	Prospector's Licence No.: T 1421
Address: SUITE 2314 401 BAY STREET, TORONTO, ONTARIO M5H 2Y4	
Survey Company: WALKER EXPLORATION LIMITED	Date of Survey (from & to) Day / Mo. / Yr.: 13 06 84 — 28 06 84
Total Miles of line Cut: 41.14	
Name and Address of Author (of Geo-Technical report): A.J. Walker 10 Hurontario Street Mississauga, Ontario L5G 3G7	

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
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
AUG - 9 1984
MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

KENORA MINING DIV. AUG 2 1984 AM 10:55 am

Calculation of Expenditure Days Credits: Total Expenditures $ ÷ 15 = Total 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.

Date	Recorded Holder or Agent (Signature)
Aug 2/84	Brian Christie

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	695992	
	695993	
	695994	
	695995	
	695996	
	695998	
	695999	
	696000	
	728050	
	728051	
	728052	
	728053	
	728054	
	728055	
	728056	
	728057	
	728058	
	728059	
	728060	
	728061	
	728062	
	728063	
	728064	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	728065	
	728066	
	728067	
	728068	
	728069	
	728070	
	728071	
	728072	
	728073	
	728074	
	728075	
	728076	
	728077	
	762867	
	762868	
	762869	
	762870	
	762871	
	728020	
	728021	
	see revised statement	

695992

Total number of mining claims covered by this report of work: 43

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
2580	Aug 2/84	M E Lemay
	Date Approved as Recorded	Branch Director

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	Date Certified	Certified by (Signature)
BRIAN CHRISTIE 24 LYON HEIGHTS ROAD SCARBOROUGH ONTARIO M1P3G7	Aug 2/84	Brian Christie

1362 (81/9)

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

Mining Act

Oct 1st #171-84

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): EM AND MAG	Township or Area: SENN TP M-2068
Claim Holder(s): AGASSIZ RESOURCES LIMITED	Prospector's Licence No.: T 1421
Address: SUITE 2314, 401 BAY STREET, TORONTO, ONTARIO, M5H 2Y4	
Survey Company: WALKER EXPLORATION LIMITED	Date of Survey (from & to) Day/Mo./Yr.: 13 06 84 – 28 06 84
	Total Miles of line Cut: 5.56
Name and Address of Author (of Geo-Technical report): A.J. Walker, 10 Hurontario Street, Mississauga, Ontario L5G 3G7	

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions: For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Man Days: Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	
Airborne Credits: Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
K	751049	
	751050	
	751051	
	751052	
	770264	
	770265	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
AUG - 9 1984
MINING LANDS SECTION

KENORA MINING DIV.
AUG 2 1984
10.55 a.m.
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

see revised statement

751049

Total number of mining claims covered by this report of work: 6

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.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
369	Aug 2/84	M E Lemay
	Date Approved as Recorded	Branch Director

Date	Recorded Holder or Agent (Signature)
Aug 2/84	/Susan Christie

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: BRIAN CHRISTIE, 24 LYON HEIGHTS ROAD, SCARBOROUGH, ONTARIO M1P 3G7

Date Certified: Aug 2/84

Certified by (Signature): /Susan Christie

1362 (81/9)

Ontario

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) Magnetic and Electromagnetic

Township or Area Menary

Claim Holder(s) _____

Survey Company Walker Exploration Ltd.

Author of Report A. James Walker, P. Eng.

Address of Author 406 Canterbury Cr., Oakville, Ontario.

Covering Dates of Survey May 16 - Aug. 2, 1984
(linecutting to office)

Total Miles of Line Cut _____

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	40
–Magnetometer	20
–Radiometric	
–Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Aug. 3, 1984 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
695992	728064
695993	728065
695994	728066
695995	728067
695996	728068
695998	728069
695999	728070
69600	728071
728050	728072
728051	728073
728052	728074
728053	728075
728054	728076
728055	728077
728056	762867
728057	762868
728058	762869
728059	762870
728060	762871
728061	728020
728062	728021
728063	

If space insufficient, attach list

TOTAL CLAIMS 43

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 2259 Number of Readings Mag 4352, EM 1766

Station interval Mag 50 feet, EM 100 feet Line spacing 400 feet

Profile scale EM 1" = 40%

Contour interval Mag 100 gammas

MAGNETIC

Instrument EDA PPM 300, EDA PPM 400 Base Station

Accuracy – Scale constant 0.1 Gammas

Diurnal correction method Continuous recording digital base station

Base Station check-in interval (hours) 30 seconds

Base Station location and value Between Line 12E and 16E at 2000 North

59994 Gammas

ELECTROMAGNETIC

Instrument MaxMin II PLUS

Coil configuration Horizontal

Coil separation 800 feet Tests 200 feet and 400 feet

Accuracy ± 0.5%

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency 1777 Hz and 444 Hz
(specify V.L.F. station)

Parameters measured In-Phase and Quadrature Components of secondary electromagnetic field

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION / RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

Ontario

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) Magnetic and Electromagnetic

Township or Area Senn Township

Claim Holder(s) AGASSIZ RESOURCES LTD.

Survey Company Walker Exploration Ltd.

Author of Report A. James Walker, P. Eng.

Address of Author 406 Canterbury Cr., Oakville, Ontario

Covering Dates of Survey May 16 - Aug. 2, 1984 (linecutting to office)

Total Miles of Line Cut 5.5 miles

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	40
–Magnetometer	20
–Radiometric	
–Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Aug. 3, 1984 SIGNATURE: A. J. Walker
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
751049	
751050	
751051	
751052	
770264	
770265	

If space insufficient, attach list

TOTAL CLAIMS 6

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings Mag. 590, VLF 598

Station interval Mag. 50 feet, VLF-EM 50 feet Line spacing _____

Profile scale VLF - 1" = 50%

Contour interval VLF Filter 10 Mag. 100 Gammas

MAGNETIC

Instrument EDA PPM 300, EDA PPM 400 Base Station

Accuracy – Scale constant 0.1 Gammas

Diurnal correction method Continuous Recording digital base station

Base Station check-in interval (hours) 30 seconds

Base Station location and value Between 12E and 16E at 2000 North on Hodge Grid - 59994 Gammas

ELECTROMAGNETIC

Instrument _____

Coil configuration _____

Coil separation _____

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____ (specify V.L.F. station)

Parameters measured _____

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

Mining Lands Section

File No 2.7149

Control Sheet

TYPE OF SURVEY ✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

Doug

Signature of Assessor

LD

24/09/84

Date

Your File: 171-84 & 172-84
Our File: 2.7149

1984 10 30

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Madam:

RE: Notice of Intent dated October 9, 1984
Geophysical (Electromagnetic & Magnetometer)
Survey on Mining Claims K 695992 et al in the
Townships of Menary and Senn

The assessment work credits as listed with the above mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, ONtario
M7A 1W3
Phone: (416) 965-4888

D. Isherwood:ig

Encls.

cc: Agassiz Resources Limited
Suite 2314
401 Bay Street
Toronto, Ontario
M5H 2Y4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: Resident Geologist
Kenora, Ontario

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7149

Date 1984 10 09

Mining Recorder's Report of Work No. 172-84

Recorded Holder: AGASSIZ RESOURCES LIMITED

Township or Area: MENARY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 695992 695994 to 996 inclusive 695998 to 6000 inclusive 728020-021 728050 to 067 inclusive 728069 to 077 inclusive 762867 to 871 inclusive
Electromagnetic _____ days	
Magnetometer 20 days	
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

10 DAYS

K 728068
695993

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

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 follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File: 2.7149

Date: 1984 10 09

Mining Recorder's Report of Work No.: 171-84

Recorded Holder: AGASSIZ RESOURCES LIMITED

Township or Area: SENN TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 751049 751051-052 770264-265
Electromagnetic 40 days	
Magnetometer 20 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

10 DAYS ELECTROMAGNETIC
5 DAYS MAGNETOMETER

K 751050

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

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 follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:

828 (83/6)

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.7149

Date 1984 10 09

Mining Recorder's Report of Work No. 172-84

Recorded Holder
AGASSIZ RESOURCES LIMITED

Township or Area
MENARY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	K 695992 to 996 inclusive 695998 to 6000 inclusive 728020-021 728050 to 077 inclusive 762867 to 871 inclusive
Electromagnetic 33 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

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 follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19) — 60:

828 (83/6)

Ministry of Natural Resources

Ontario

Oct 24/84

1984 10 09

Your File: 171-84 & 172-84
Our File: 2.7149

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Madam:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

RO D. Isherwood:mc

Encls.

cc: Agassiz Resources Limited
Suite 2314
401 Bay Street
Toronto, Ontario
M5H 2Y4

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: Resident Geologist
Kenora, Ontario

Ministry of Natural Resources
Ontario

Notice of Intent

for Technical Reports

1984 10 09

2.7149/171-84 & 172-84

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

1984 09 17

Your File: 171-172
Our File: 2.7149

Mining Recorder
Ministry of Natural Resources
808 Robertson Street
Box 5080
Kenora, Ontario
P9N 3X9

Dear Madam:

We have received reports and maps for a Geophysical (Electromagnetic & Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims K 695992 et al in the Townships of Menary and Senn.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-6918

A. Barr:sc

cc: Agassiz Resources Limited
Suite 2314
401 Bay Street
Toronto, Ontario
M5H 2Y4

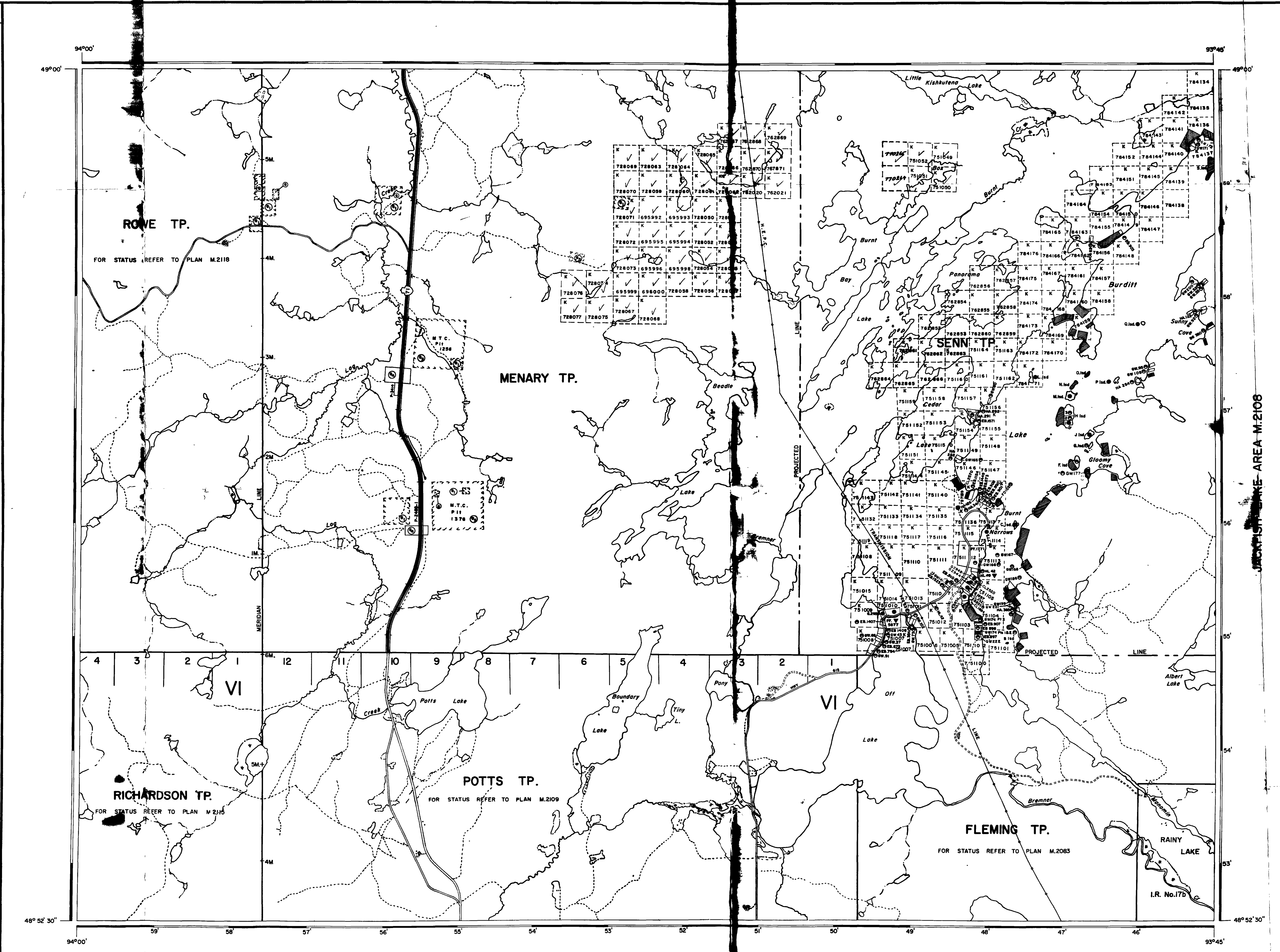
cc: A.J. Walker
10 Hurontario Street
Mississauga, Ontario
L5G 3G7

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Summer Resort Locations of Reg. plan SM.128 shown thus.

- File: 73000
- M.T.C Pit 1256
- " = 1376
- Gravel Pit P-2485-1
- Gravel File 73000
- Quarry Permit



LEGEND

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES:
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	▼
CROWN LAND SALE	C.S.
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	Ⓧ
SAND & GRAVEL	Ⓖ

DATE OF ISSUE
SEP 2 1974
Ministry of Natural Resources
TORONTO

SCALE : 1 INCH = 40 CHAINS

FEET 0 500 1000 2000 4000 6000 8000
METRES 0 200 400 600 800 1 KM 2 KM

ACRES 40 HECTARES 16

AREA
BEADLE LAKE

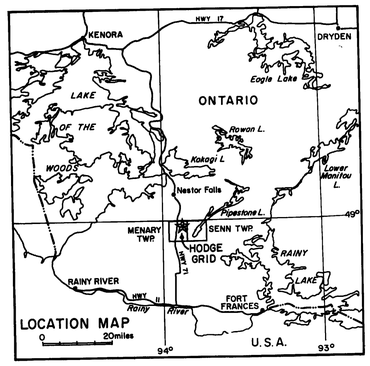
DISTRICT
RAINY RIVER

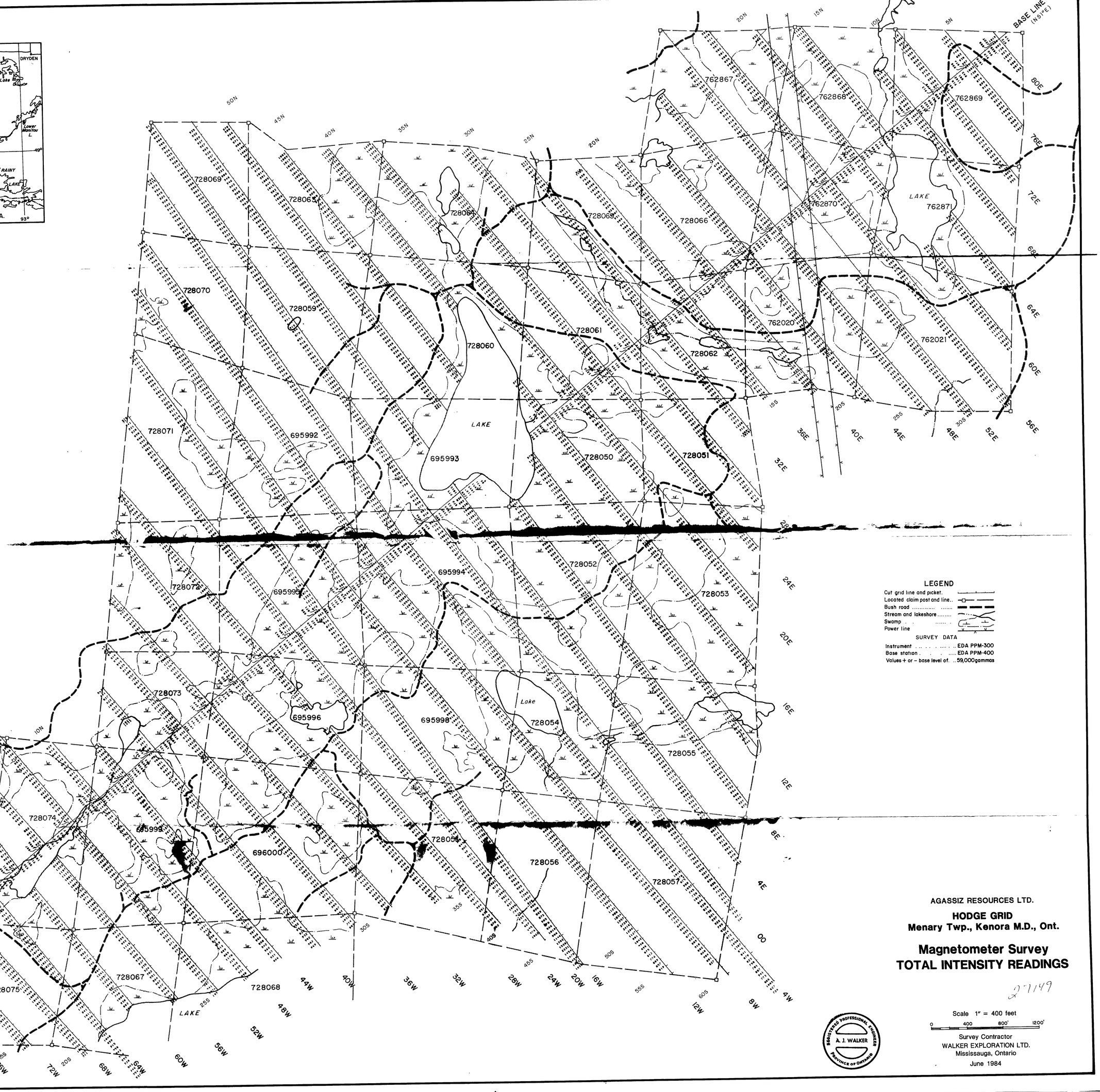
MINING DIVISION
KENORA

Ministry of Natural Resources
Ontario Surveys and Mapping Branch

Date MAR 28, 73
Plan No. M.2068
National Topographical Series 52C13

52C13NW0087 2.7149 BEADLE LAKE
200
488934





LEGEND

Cut grid line and picket.
Located claim post and line..
Bush road .....
Stream and lakeshore.....
Swamp . . . . . .
Power line

SURVEY DATA

Instrument . . . . . EDA PPM-300
Base station . . . . . EDA PPM-400
Values + or – base level of. . 59,000gammas

AGASSIZ RESOURCES LTD.

HODGE GRID
Menary Twp., Kenora M.D., Ont.

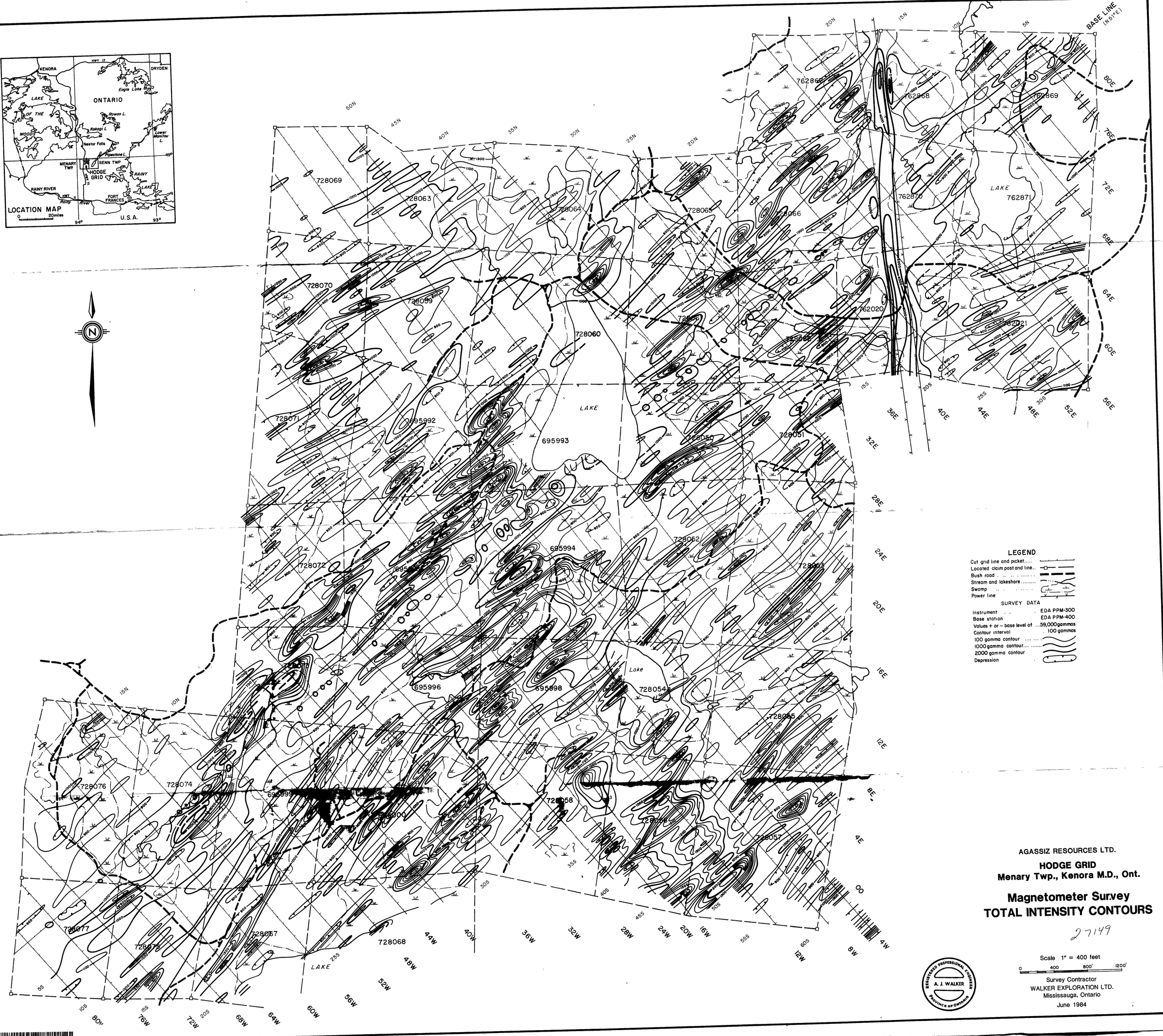
Magnetometer Survey
TOTAL INTENSITY READINGS

2.7149

Scale 1" = 400 feet
0 400 800' 1200'

REGISTERED PROFESSIONAL ENGINEER A. J. WALKER PROVINCE OF ONTARIO

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984



LEGEND

Cut grid line and picket	
Located claim post and line	
Bush road	
Stream and lakeshore	
Swamp	
Power line	

SURVEY DATA

Instrument	EDA PPM-300
Base station	EDA PPM-400
Values + or – base level of	59,000gammas
Contour interval	100 gammas
100 gamma contour	
1000 gamma contour	
2000 gamma contour	
Depression	

AGASSIZ RESOURCES LTD.

HODGE GRID
Menary Twp., Kenora M.D., Ont.

Magnetometer Survey
TOTAL INTENSITY CONTOURS

2714 9

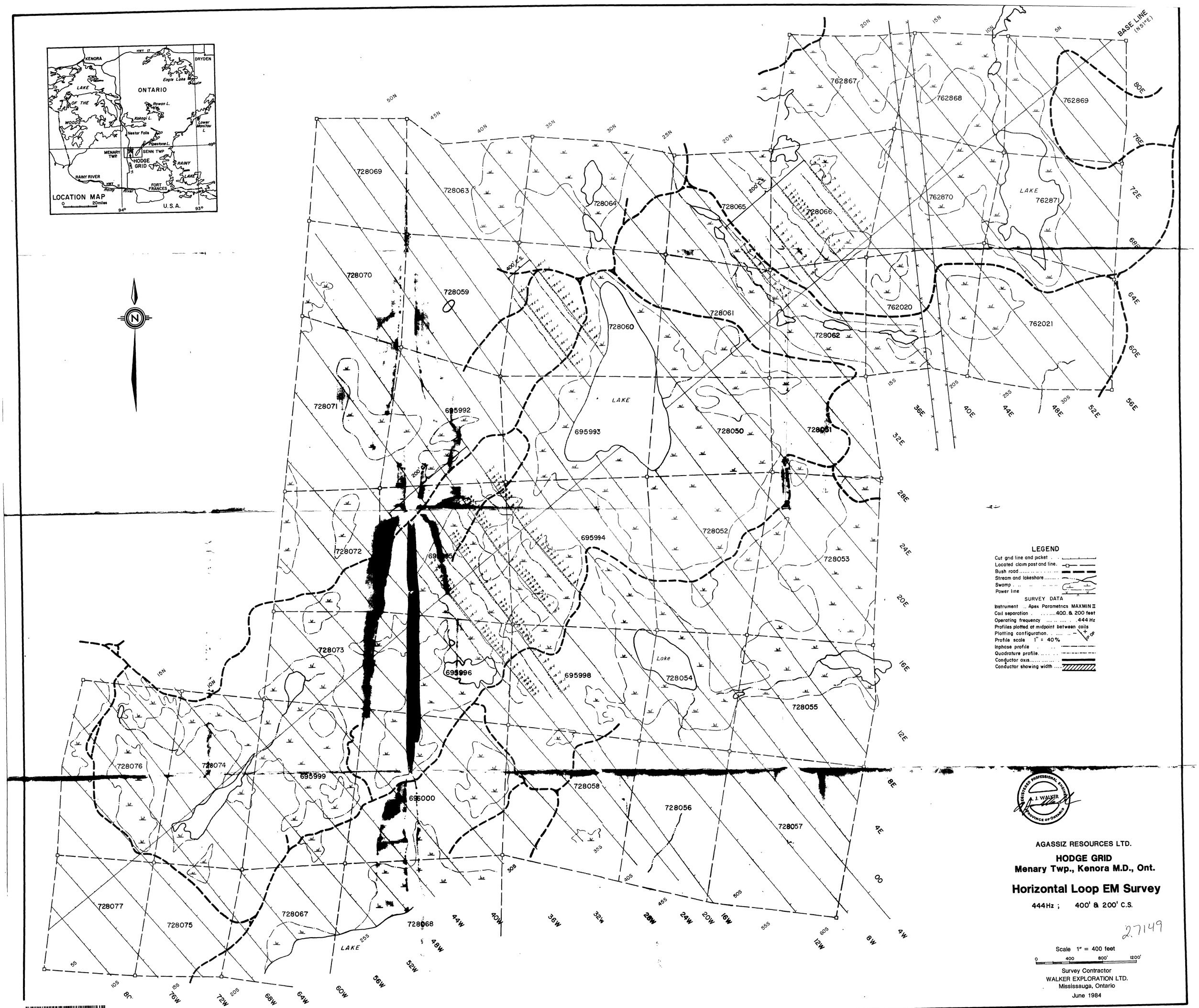
Scale 1" = 400 feet

0 400 800' 1200'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario

June 1984

REGISTERED PROFESSIONAL ENGINEER
A. J. WALKER
PROVINCE OF ONTARIO



LEGEND

- Cut grid line and picket
- Located claim post and line.
- Bush road
- Stream and lakeshore
- Swamp
- Power line

SURVEY DATA

- Instrument .. Apex Parametrics MAXMIN II
- Coil separation ..... 400 & 200 feet
- Operating frequency ..... 444 Hz
- Profiles plotted at midpoint between coils
- Plotting configuration ..... IP OP
- Profile scale 1" = 40%
- Inphase profile
- Quadrature profile
- Conductor axis
- Conductor showing width

REGISTERED PROFESSIONAL ENGINEER J. WALKER PROVINCE OF ONTARIO

AGASSIZ RESOURCES LTD.

HODGE GRID
Menary Twp., Kenora M.D., Ont.

Horizontal Loop EM Survey

444Hz ; 400' & 200' C.S.

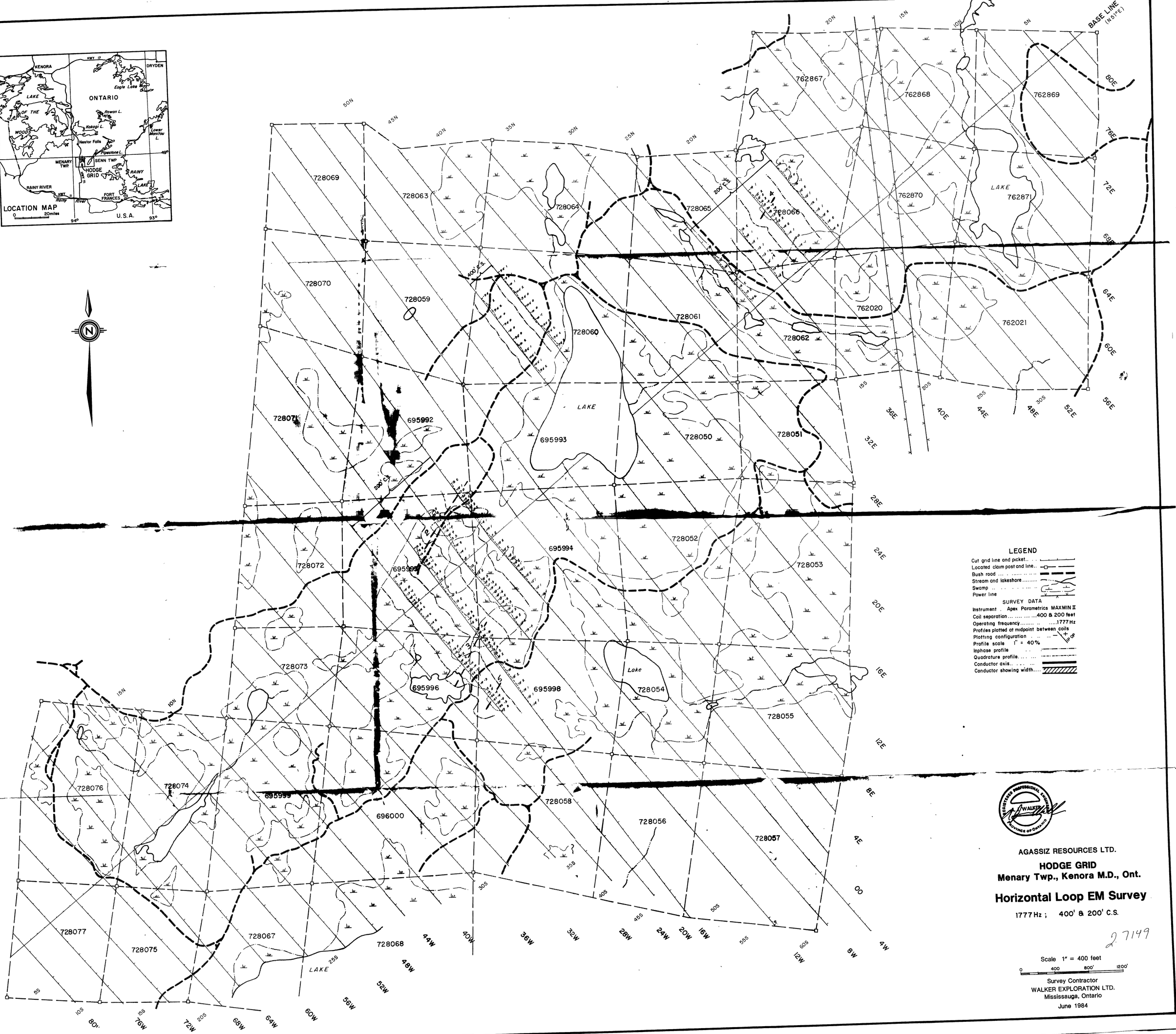
27149

Scale 1" = 400 feet

0 400 800' 1200'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario

June 1984



LEGEND

- Cut grid line and picket
- Located claim post and line
- Bush road
- Stream and lakeshore
- Swamp
- Power line

SURVEY DATA

- Instrument . Apex Parametrics MAXMIN II
- Coil separation ..... 400 & 200 feet
- Operating frequency ..... 1777 Hz
- Profiles plotted at midpoint between coils
- Plotting configuration
- Profile scale 1" = 40%
- Inphase profile
- Quadrature profile
- Conductor axis
- Conductor showing width

AGASSIZ RESOURCES LTD.

HODGE GRID
Menary Twp., Kenora M.D., Ont.

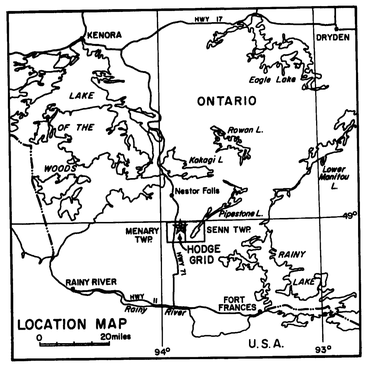
Horizontal Loop EM Survey

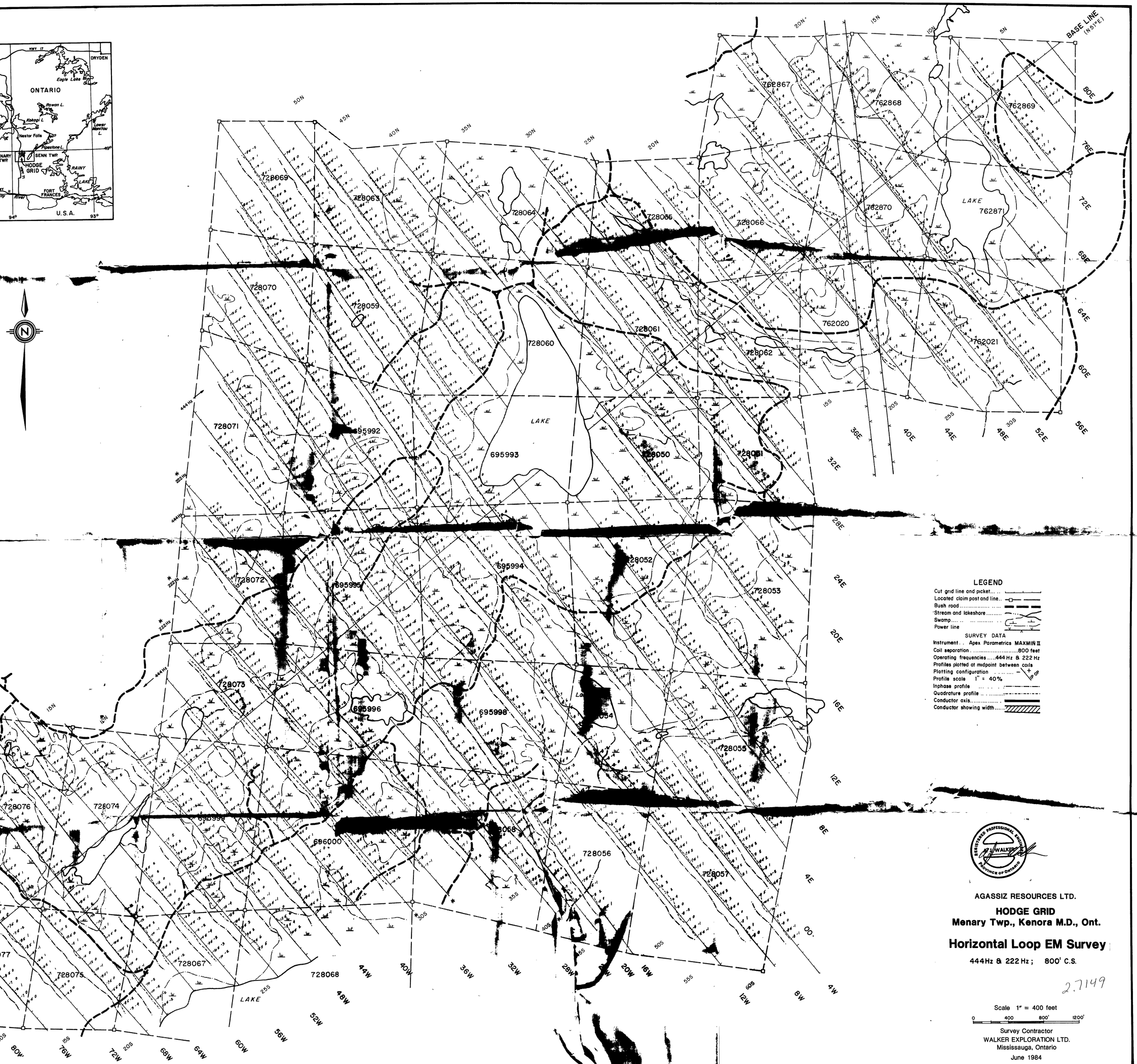
1777 Hz ; 400' & 200' C.S.

2 7149

Scale 1" = 400 feet
0 400 800' 1200'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984





LEGEND

- Cut grid line and picket
- Located claim post and line
- Bush road
- Stream and lakeshore
- Swamp
- Power line

SURVEY DATA

- Instrument: Apex Parametrics MAXMIN II
- Coil separation: 800 feet
- Operating frequencies: 444 Hz & 222 Hz
- Profiles plotted at midpoint between coils
- Plotting configuration: − +
- Profile scale 1" = 40%
- Inphase profile
- Quadrature profile
- Conductor axis
- Conductor showing width

REGISTERED PROFESSIONAL ENGINEER — WALKER — PROVINCE OF ONTARIO

AGASSIZ RESOURCES LTD.

HODGE GRID
Menary Twp., Kenora M.D., Ont.

Horizontal Loop EM Survey

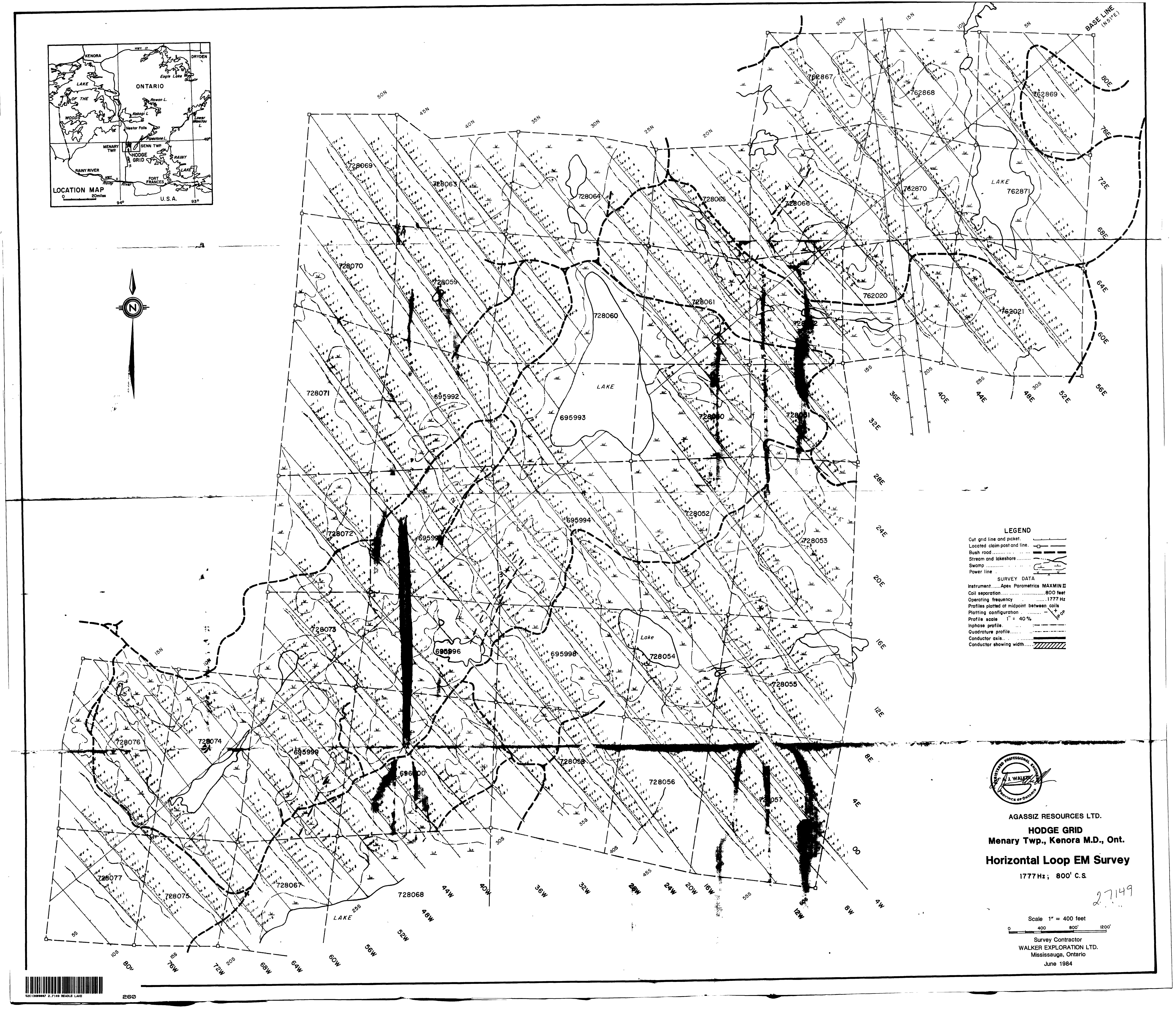
444Hz & 222Hz; 800' C.S.

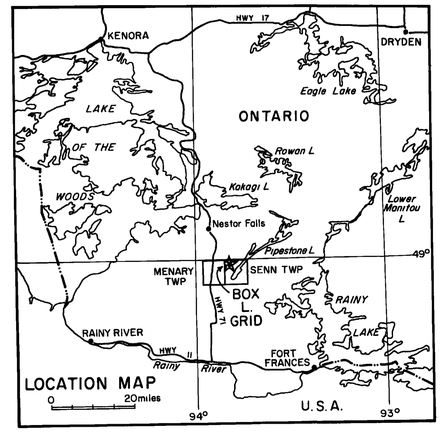
2.7149

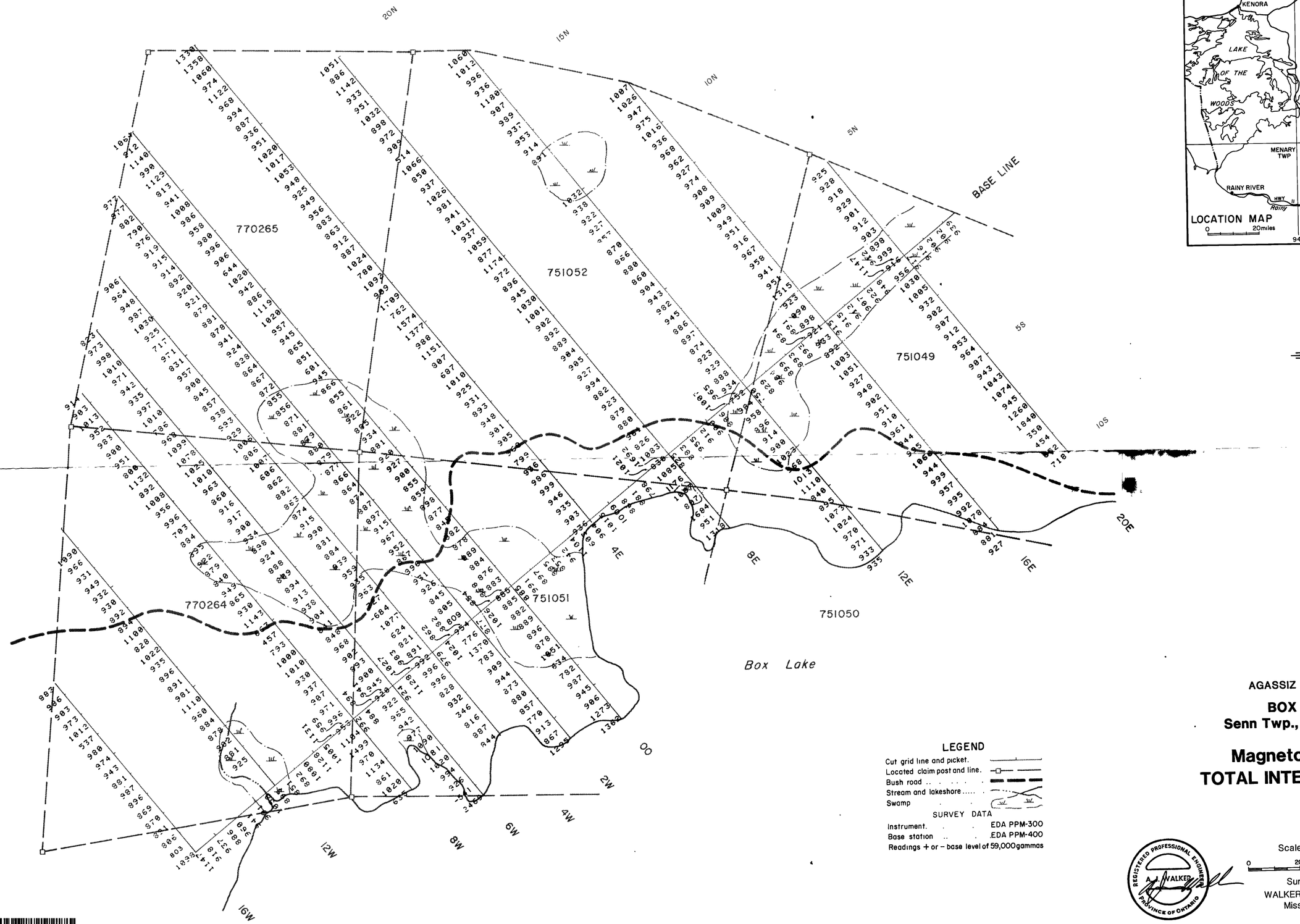
Scale 1" = 400 feet

0 400 800' 1200'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984


LOCATION MAP
ONTARIO
KENORA
DRYDEN
LAKE OF THE WOODS
Eagle Lake
Rowan L.
Kakagi L.
Nestor Falls
Lower Manitou L.
Pipestone L.
MENARY TWP
SENN TWP
HODGE GRID
RAINY LAKE
RAINY RIVER
Rainy River
FORT FRANCES
U.S.A.
20miles
94°
93°
49°
BASE LINE (N51°E)
LAKE
Lake
728069
728063
728064
728065
728066
762867
762868
762869
762870
762871
728070
728059
728060
728061
728062
762020
762021
728071
695992
695993
728050
728051
728052
728053
695994
695995
728072
728073
695996
695998
728054
728055
728076
728074
695999
696000
728058
728056
728057
728077
728075
728067
728068
LEGEND
Cut grid line and picket.
Located claim post and line.
Bush road
Stream and lakeshore
Swamp
Power line
SURVEY DATA
Instrument......Apex Parametrics MAXMIN II
Coil separation....................800 feet
Operating frequency..........1777 Hz
Profiles plotted at midpoint between coils
Plotting configuration
Profile scale 1" = 40 %
Inphase profile.
Quadrature profile
Conductor axis
Conductor showing width
AGASSIZ RESOURCES LTD.
HODGE GRID
Menary Twp., Kenora M.D., Ont.
Horizontal Loop EM Survey
1777 Hz; 800' C.S.
27149
Scale 1" = 400 feet
0 400 800' 1200'
Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984
52C13NE0007 2.7149 BEADLE LAKE
260





LEGEND

Cut grid line and picket.
Located claim post and line.
Bush road
Stream and lakeshore
Swamp

SURVEY DATA

Instrument. EDA PPM-300
Base station EDA PPM-400
Readings + or – base level of 59,000 gammas

AGASSIZ RESOURCES LTD.

BOX LAKE GRID
Senn Twp., Kenora M.D., Ont.

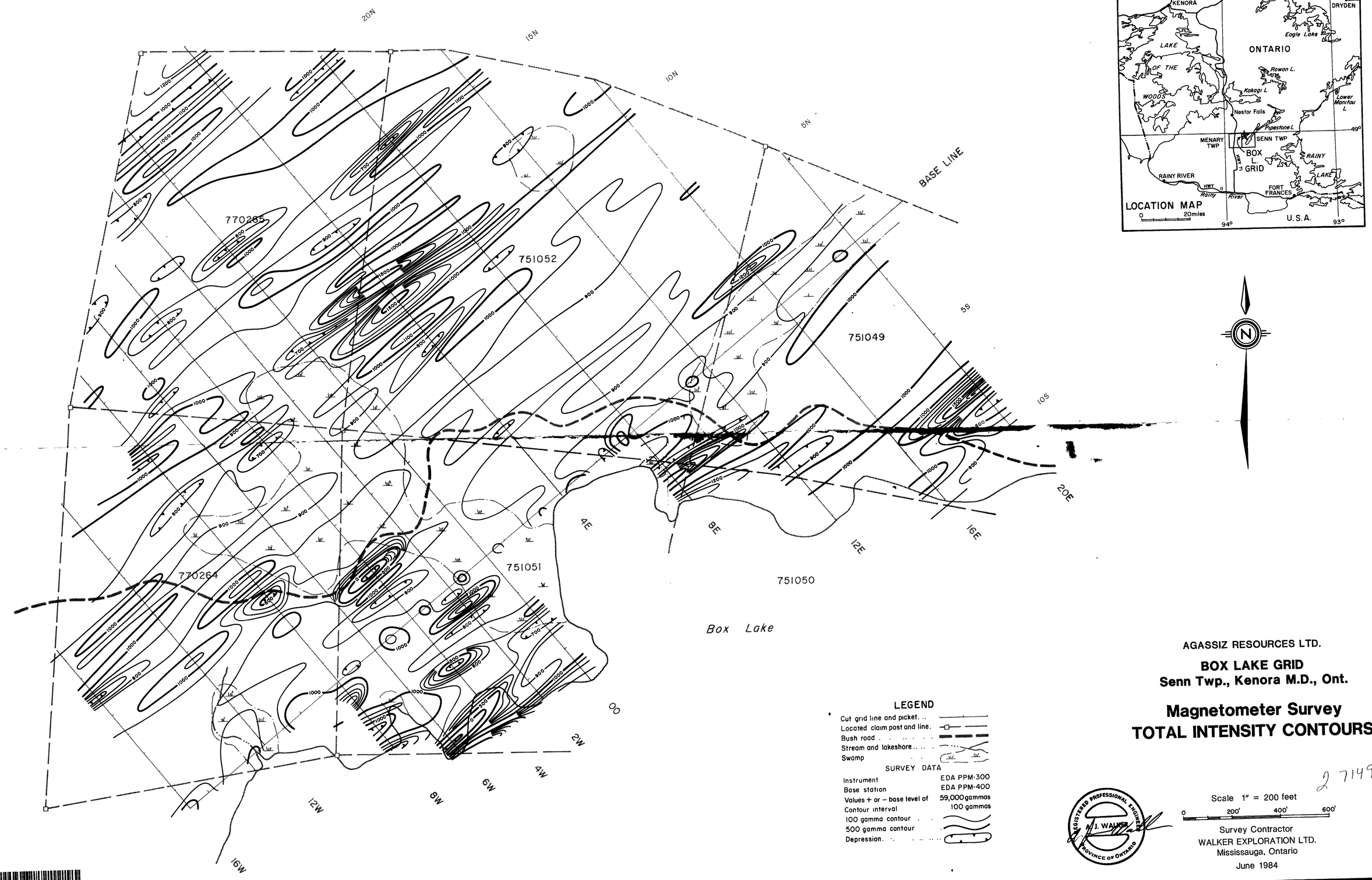
Magnetometer Survey
TOTAL INTENSITY READINGS

2.7149

Scale 1" = 200 feet
0 200' 400' 600'

REGISTERED PROFESSIONAL ENGINEER
WALKER
PROVINCE OF ONTARIO

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984



LEGEND

Cut grid line and picket	
Located claim post and line	
Bush road	
Stream and lakeshore	
Swamp	

SURVEY DATA

Instrument	EDA PPM-300
Base station	EDA PPM-400
Values + or – base level of	59,000 gammas
Contour interval	100 gammas
100 gamma contour	
500 gamma contour	
Depression	

AGASSIZ RESOURCES LTD.

BOX LAKE GRID
Senn Twp., Kenora M.D., Ont.

Magnetometer Survey
TOTAL INTENSITY CONTOURS

2 7149

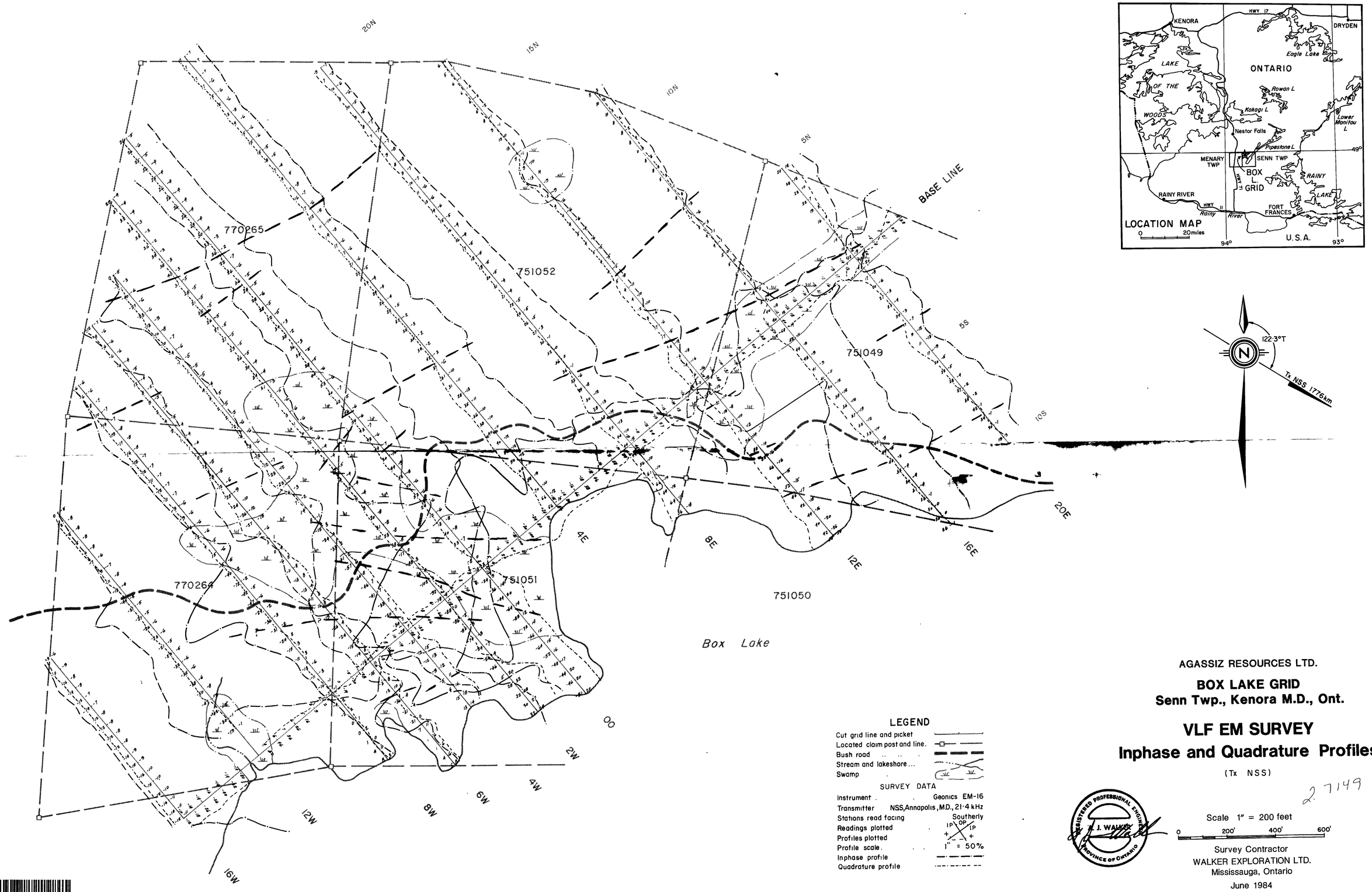
Scale 1" = 200 feet
0 200' 400' 600'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984

REGISTERED PROFESSIONAL ENGINEER
A. J. WALKER
PROVINCE OF ONTARIO

52C13NW0007 2.7149 BEADLE LAKE

280



LEGEND

- Cut grid line and picket
- Located claim post and line.
- Bush road
- Stream and lakeshore
- Swamp

SURVEY DATA

Instrument	Geonics EM-16
Transmitter	NSS, Annapolis, MD., 21·4 kHz
Stations read facing	Southerly
Readings plotted	IP OP IP
Profiles plotted	
Profile scale	1" = 50%
Inphase profile	
Quadrature profile	

AGASSIZ RESOURCES LTD.

BOX LAKE GRID
Senn Twp., Kenora M.D., Ont.

VLF EM SURVEY
Inphase and Quadrature Profiles

(Tx NSS)

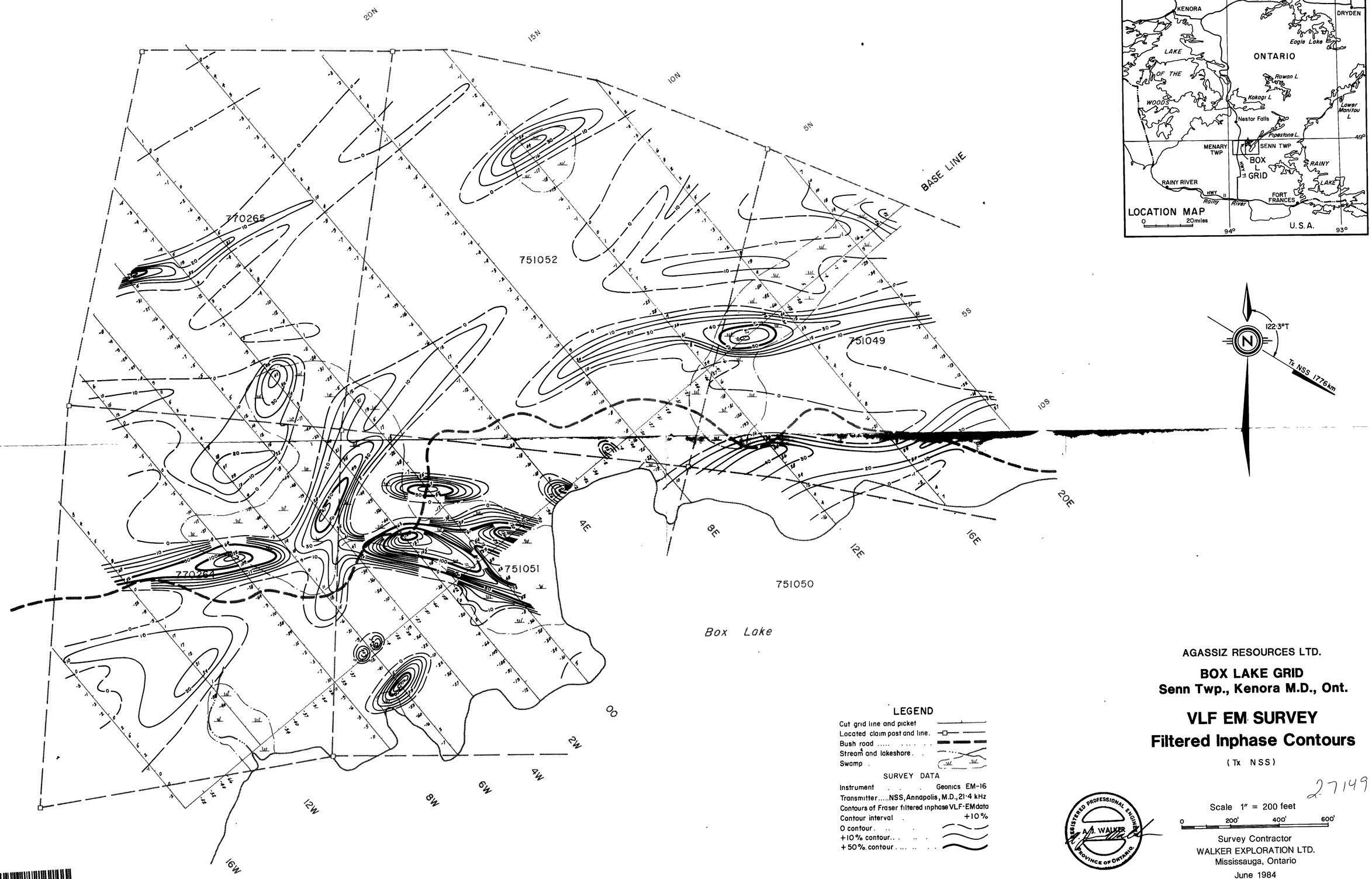
2.7149

REGISTERED PROFESSIONAL ENGINEER — R. J. WALKER — PROVINCE OF ONTARIO

Scale 1" = 200 feet

0 200' 400' 600'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario
June 1984



LEGEND

Cut grid line and picket	
Located claim post and line.	
Bush road	
Stream and lakeshore	
Swamp	

SURVEY DATA

Instrument	Geonics EM-16
Transmitter	NSS, Annapolis, M.D., 21·4 kHz
Contours of Fraser filtered inphase VLF-EM data	
Contour interval	+10%
0 contour	
+10% contour	
+50% contour	

AGASSIZ RESOURCES LTD.

BOX LAKE GRID
Senn Twp., Kenora M.D., Ont.

VLF EM SURVEY
Filtered Inphase Contours

(Tx NSS)

27149

Scale 1" = 200 feet

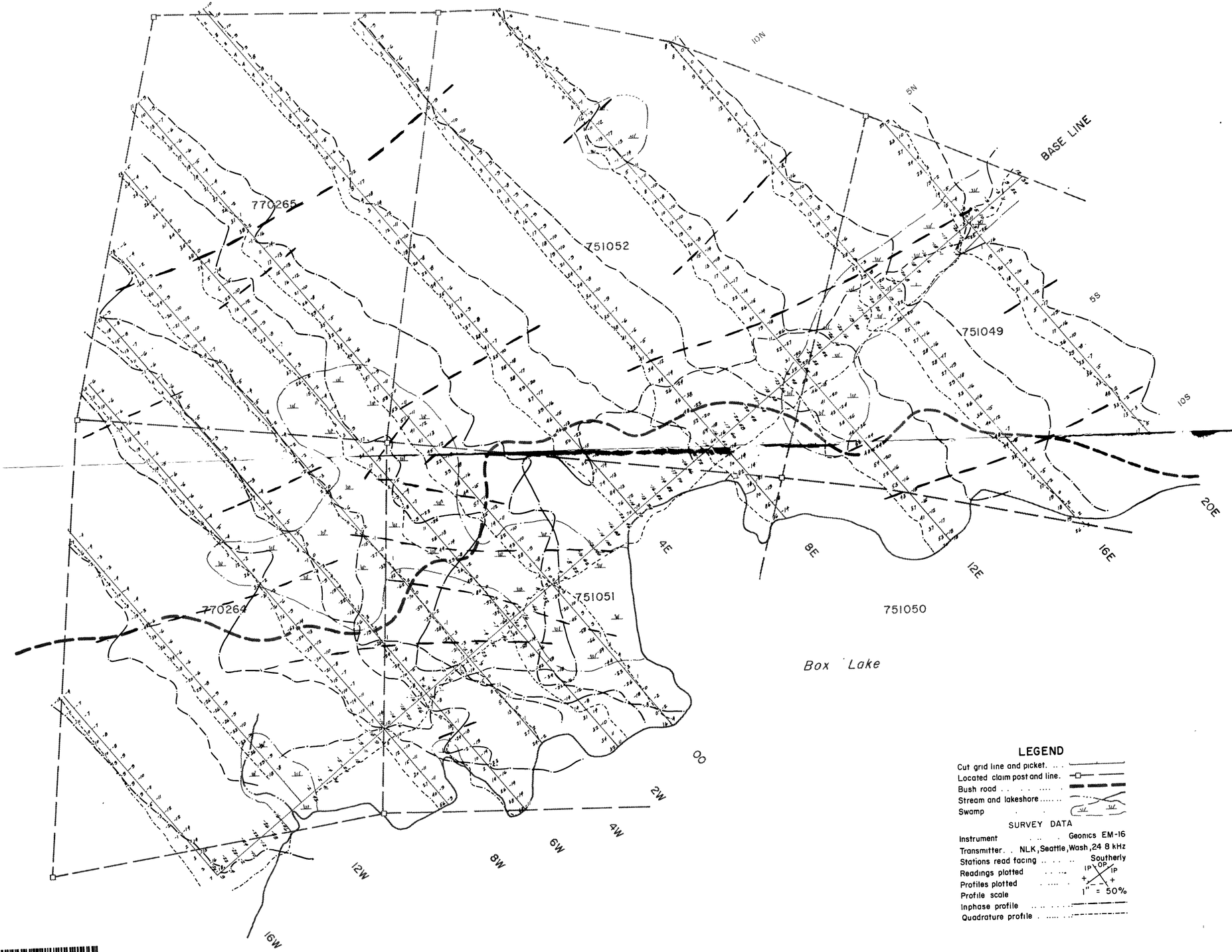
0 200' 400' 600'

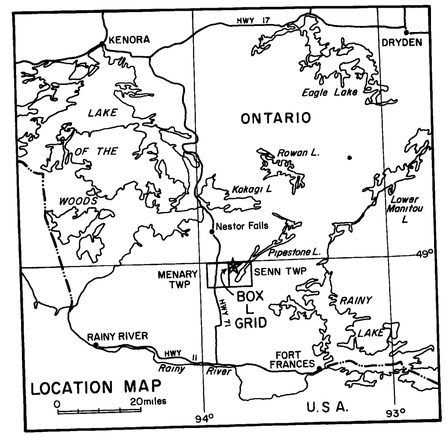
REGISTERED PROFESSIONAL ENGINEER A.J. WALKER PROVINCE OF ONTARIO

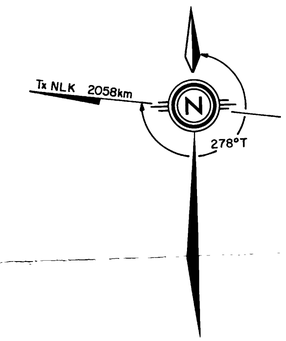
Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario

June 1984

300







LEGEND

- Cut grid line and picket. . . .
- Located claim post and line.
- Bush road . . . . . .
- Stream and lakeshore . . . . . .
- Swamp . . . .

SURVEY DATA

Instrument	Geonics EM-16
Transmitter	NLK, Seattle, Wash, 24.8 kHz
Stations read facing	Southerly
Readings plotted	IP OP IP
Profiles plotted	+ + +
Profile scale	1" = 50%
Inphase profile	
Quadrature profile	

AGASSIZ RESOURCES LTD.

BOX LAKE GRID
Senn Twp., Kenora M.D., Ont.

VLF EM SURVEY
Inphase and Quadrature Profiles

(Tx NLK)

2.7149

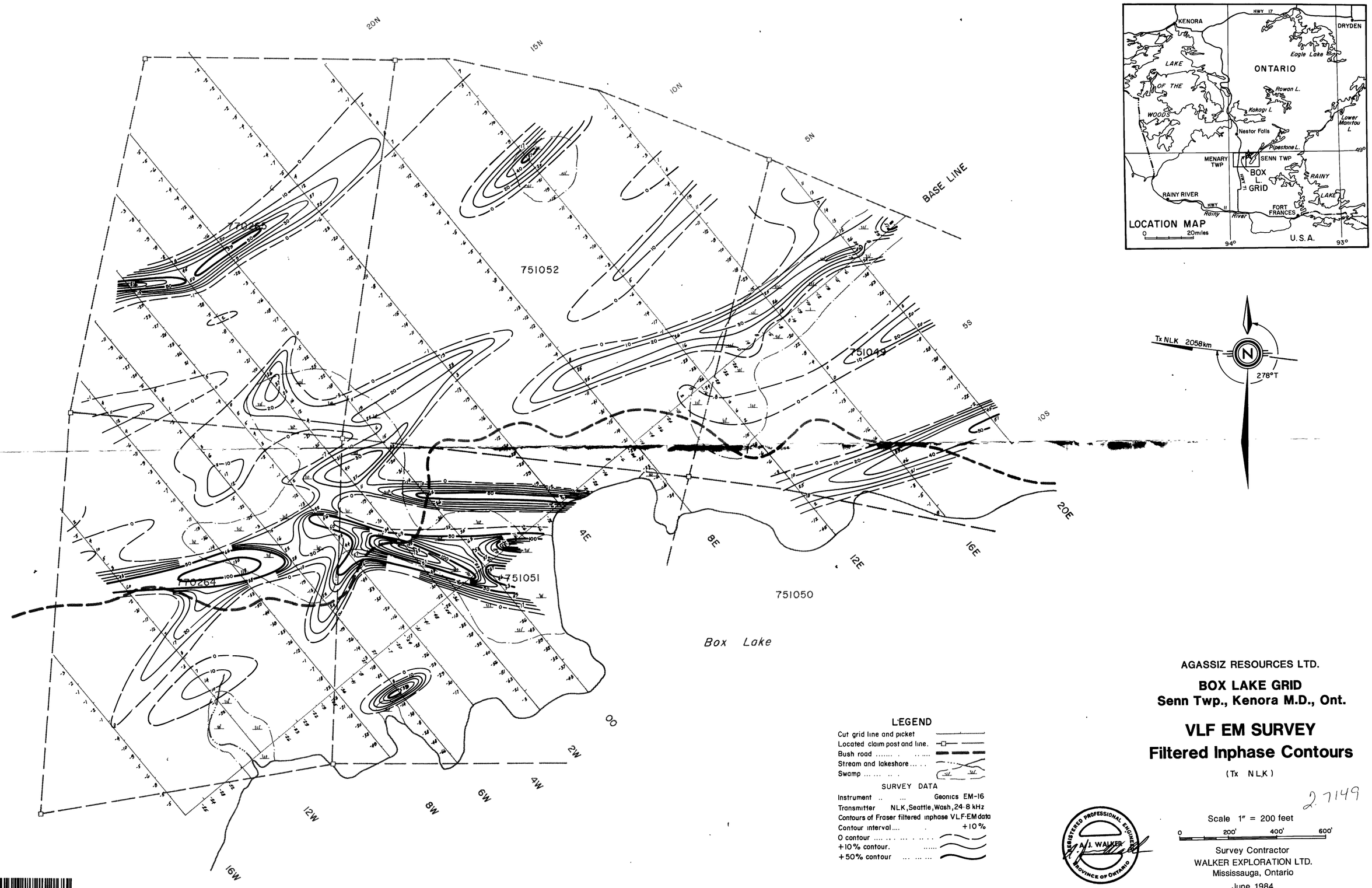
REGISTERED PROFESSIONAL ENGINEER — WALKER — PROVINCE OF ONTARIO

Scale 1" = 200 feet

0 200' 400' 600'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario

June 1984



LEGEND

Cut grid line and picket
Located claim post and line.
Bush road
Stream and lakeshore
Swamp

SURVEY DATA

Instrument	Geonics EM-16
Transmitter	NLK, Seattle, Wash, 24.8 kHz
Contours of Fraser filtered inphase VLF-EM data	
Contour interval	+10%
0 contour	
+10% contour.	
+50% contour	

AGASSIZ RESOURCES LTD.

BOX LAKE GRID
Senn Twp., Kenora M.D., Ont.

VLF EM SURVEY
Filtered Inphase Contours

(Tx NLK)

2.7149

Scale 1" = 200 feet
0 200' 400' 600'

Survey Contractor
WALKER EXPLORATION LTD.
Mississauga, Ontario

June 1984

REGISTERED PROFESSIONAL ENGINEER
A. J. WALKER
PROVINCE OF ONTARIO