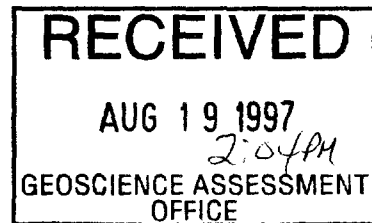


2.17621

**REPORT ON HORIZONTAL LOOP
ELECTROMAGNETIC SURVEYS
ON THE
WEBSTER PROPERTY
LUTTERWORTH TOWNSHIP, MINDEN AREA
SOUTH EASTERN ONTARIO, NTS: 31 D/15
FOR
BLAINE WEBSTER**



JULY 1997



31D15SW0005 2.17621 LUTTERWORTH

**REPORT ON HORIZONTAL LOOP
ELECTROMAGNETIC SURVEYS
ON THE
WEBSTER PROPERTY
LUTTERWORTH TOWNSHIP, MINDEN AREA
SOUTHEASTERN ONTARIO, NTS: 31 D/15**

For: **BLAINE WEBSTER**
27 Blue Spruce Lane
Thornhill, Ontario L3T 3W8

Tel: (905) 881-8488

By: **JVX LTD.**
60 West Wilmot St, Unit #22
Richmond Hill, Ontario
L4B 1M6

Tel: (905) 731-0972

Fax: (905) 731-9312

JVX ref. 9761

July 1997

TABLE OF CONTENTS

1.	INTRODUCTION	1
2.	SURVEY SPECIFICATIONS	2
3.	PERSONNEL	3
4.	FIELD INSTRUMENTATION	3
4.1	HLEM Survey	3
5.	DATA PROCESSING	4
5.1	HLEM Data	4
6.	DISCUSSION OF RESULTS	4
7.	RECOMMENDATIONS	5



31D15SW0005 2.17621 LUTTERWORTH

010C

LIST OF FIGURES

Figure: Location Map

LIST OF TABLES

Table 1: HLEM Survey Parameters

Table 2: HLEM Production Summary

LIST OF APPENDICES

Appendix A: Instrument Specification Sheets

Appendix B: Plates

LIST OF PLATES

Plate 1: HLEM (Max-Min) Profiles; 440 Hz; Scale 1:2500

Plate 2: HLEM (Max-Min) Profiles; 1760 Hz; Scale 1:2500

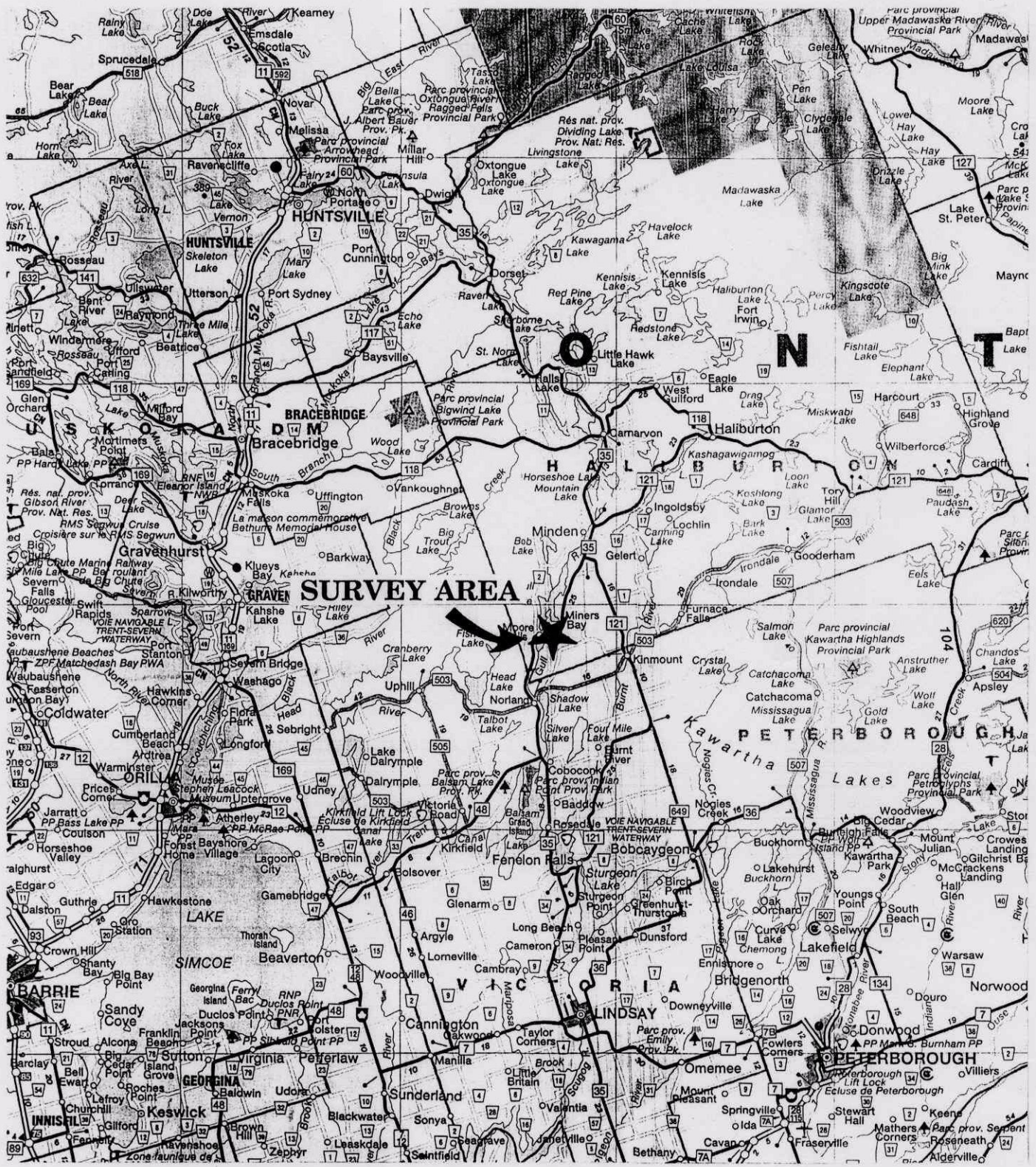
Plate 3: HLEM (Max-Min) Profiles; 3520 Hz; Scale 1:2500

1. INTRODUCTION

JVX Ltd. conducted Horizontal Loop Electromagnetic (HLEM) surveys on the Webster Property in Lutterworth Township. The work was done between March 11 and 13, 1997.

The survey grid is located in Lutterworth Township, Haliburton county, in Southeastern Ontario. The Location Map (Figure) is shown at a scale of 1:750,000. The property is composed of 12 contiguous claims (1150609 to 1150613 and 1150640 to 1150546) shown on Plate 1. ³⁹

The purpose of the surveys was to locate favourable exploration targets which may be associated with economic mineralization.



LOCATION MAP
BLAINE WEBSTER
LUTTERWORTH TWP. PROJECT
 Lutterworth Twp., County of Haliburton
 N.T.S. 31 D/15
GROUND GEOPHYSICAL SURVEY
 Scale : 1 : 750,000

Surveyed by JVX Ltd.
 March 1997

Figure 1

2. SURVEY SPECIFICATIONS

Instrumentation and survey specifications for the Lutterworth Property are outlined in the following tables:

TABLE 1: HLEM Survey Parameters	
HLEM System	APEX MaxMin I-10
Recorded Frequencies	440 Hz & 3520Hz
Coil Separation	100 m
Line Separation	100 m
Station Interval	25 m
Number of Lines Surveyed	11
Number of Readings	483
Survey Coverage	12 900 m

Table 1: HLEM Survey Parameters

TABLE 2: HLEM Survey Production Summary				
Line	From Station	To Station	Distance (m)	No. of Readings
200E	550S	1025N	1575	60
300E	525S	1000N	1525	58
400E	500S	1000N	1500	57
500E	500S	1000N	1500	57
600E	500S	1000N	1500	57
700E	500S	1000N	1500	57
800E	500S	900N	1400	53
900E	0N	625N	625	22
1000E	0N	600N	600	21
1100E	0N	600N	600	21
1200E	0N	575N	575	20
Total			12 900	483

Table 2: HLEM Survey Production Summary

3. PERSONNEL

John Gilliatt (Geophysicist)

Mr. Gilliatt operated the **Apex Parametrics MaxMin I-10** receiver and transmitter and was responsible for overall data quality and the day-to-day operation and direction of the survey. He was also responsible for interpreting the data, and preparing this report.

Manuel E. Ng-Lai (Geologist)

Mr. Ng-Lai assisted in the acquisition of the HLEM data.

Dagmar Piska & Vaso Lymberis (Drafting)

Ms. Piska and Ms. Lymberis carried out the manual drafting on the figures/plates and on the Compilation Map and assembled this report.

Blaine Webster (President)

Mr. Webster provided overall supervision of the survey.

4. FIELD INSTRUMENTATION

JVX supplied the geophysical instruments described below. Additional information about the geophysical method may be found in Appendix A.

4.1 HLEM Survey

The **Apex Parametrics MaxMin I-10** EM system was used to conduct the HLEM survey. The in-phase and quadrature components of the secondary field were measured as a percentage of the primary field at 25 metre intervals along survey lines. The nominal coil separation was 100 metres with both the receiver and transmitter coils held horizontally.

5. DATA PROCESSING

After being transferred to a field computer at the end of each survey day, the data were examined, corrected and organized by the instrument operator. The results were plotted on the following printer:

- STAR NX-80 colour dot-matrix printer

These plots were used to monitor progress and data quality, and to make an initial interpretation. Thus survey parameters and design were altered when necessary.

The data were delivered to the head office of JVX in Richmond Hill, Ontario. They were processed and results were plotted on the following printers as was necessary:

- HEWLETT PACKARD DESIGNJET 750C 36 inch colour plotter
- HEWLETT PACKARD 5L Laser printer

5.1 HLEM Data

Profile plots of the HLEM data were generated in the head office using the **GEOSOFT Line Processing package**. A sample interval of 25 meters was used for posting values with the profiles.

6. DISCUSSION OF RESULTS

The HLEM data have been plotted as profiles with posted values on the plan maps (440 Hz on Plate 1, 1760 Hz on Plate 2 and 3520 Hz on Plate 3). Three conductive trends have been identified and are outlined on the 440 Hz Plate 1.

HLEM conductors **MM-1** and **MM-2** are weakly conductive trends coinciding with White Birch and South Beaver Lakes respectively. They probably represent conductive lake bottom clay minerals. **MM-3** is also a weak conductor centered at Line 1200E/2+50N. This feature is better defined on the 440 Hz profile map and may represent a weak bedrock response. The anomaly may continue to the east.

7. RECOMMENDATIONS

Three conductive trends have been identified by the HLEM survey. **MM-1** and **MM-2** appear to related to conductive lake bottom sediments. **MM-3** is a weak one line anomaly at Line 1200E on the eastern edge of the grid which may represent a bedrock conductor. This conductor should be followed up by trenching. Extension of the survey lines to the eastern claim boundary should also be considered.

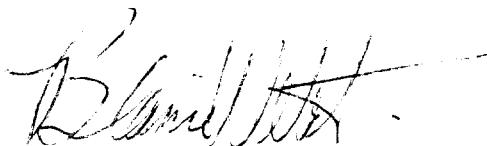
If there are any questions with regard to the survey or the interpretation please call the undersigned.

Respectfully submitted,

JVX Ltd.



John Gilliatt, B.Sc.
Geophysicist



Blaine Webster, B.Sc.
President

APPENDIX A

APEX

MAXMIN I-10 EM SYSTEM

- Designed for geoenvironmental applications and groundwater and mineral exploration, continuing and expanding the concepts of the earlier and highly popular MaxMin models.
- Frequency span is extended to ten octavely spaced frequencies from 110 to 56320 Hz, with increased range and number of coil separations. These and other developments result in greater performance, with more applications and enhanced interpretation.
- Advanced spheric and powerline interference rejection is still further improved, resulting in faster and more accurate surveys, particularly at the larger coil separations.
- MaxMin Computer or MMC, which is described in a separate data sheet, is offered for digital data processing, display, storage and transfer. The MMC displays and stores the in-phase and quadrature readings, their standard deviations, and the corresponding apparent ground conductivity values. Rough terrain surveys are also simplified with the MMC.
- Data interpretation and presentation programs are available for layered earth parametric soundings and discrete conductor surveys done with MaxMin EM.



TRANSMITTER



RECEIVER + MMC

APPENDIX B

Plates



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Revised

Transaction Number (Office use) 09790.000 71



31D15SW0005 2.17621 LUTTERWORTH

900

3) of the Mining Act. Under section 8 of the and correspond with the mining land holder. Item Development and Mines, 6th Floor.

When using a claim, use form 0240.

Print in ink

2.17621

1. Recorded holder(s): (Attach a list if necessary)

Name: BLAINE WEBSTER, Address: 27 BLUE SPRUCE LANE Thornhill, Ontario L3T 3W8, Client Number: 207197, Telephone Number: 905-731-0972, Fax Number: 905-731-9312

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [checked], Physical: drilling, stripping, trenching and associated assays, Rehabilitation

Work Type: Linecutting Horizontal Loop Electromagnetic Surveys, Office Use, Date Work Performed: From 1 Day 03 97 To 15 Day 03 97, Township/Area: Lutterworth Twp, M or L Plan Number: (E-1296)

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assaying work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: JUX LTD., Address: Unit 20-60 W. Wilmet Richard Hill, Telephone Number: 905-731-0972, Fax Number: 905-731-9312

4. Certification by Recorded Holder or Agent

I, Blaine Webster, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature: Blaine Webster, Date: 11/17/97, Agent's Address, Telephone Number, Fax Number

Deemed Nov. 17/97

Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work is done on other eligible mining land, show in this column the location number shown on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	18 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 ✓ 1150609	1/6	1772	800	0	972 ✓
2 ✓ 1150610	1/6	1000	800	200	✓
3 ✓ 1150611	1/6	1000	800	200	✓
4 ✓ 1150612	1/6	1000	800	200	✓
5 ✓ 1150613	1/6	1000	800	200	✓
6 ✓ 1150640	1/6		800		✓
7 ✓ 1150641	1/6		800		✓
8 ✓ 1150642	1/6	1000	800	200	200 ✓
9 ✓ 1150643	1/6	1000	800	200	✓
10 ✓ 1150644	1/6	1000	800	200	✓
11 ✓ 1150645	1/6	1000	800	200	✓
12 ✓ 1150646	1/6	1000	800	200	✓
13					
14					
15					
Column Totals		10772	9600	1800	1172

Blaine Webster do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 8/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: Blaine Webster Date: Aug 20/92

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

Personal information collected on this form is obtained under the authority of subsection 8(1) of the Assessment Work Regulation, 1995, under section 9 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 9th Floor, 963 Ramsey Lake Road, Sudbury, Ontario, P9E 8B5.

621

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Max Min I 3/4 Job	12.9 Km	\$350 ⁰⁰	4515
Line cutting	12.9 Km	\$300 ⁰⁰	3870
Report Maps	12.9 Km Map	\$10 ⁰⁰ /km	387 ⁰⁰ ✓
Associated Costs (e.g. supplies, mobilization and demobilization).			
	Mob Demob		\$1000 ⁰⁰ ✓
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			10,772

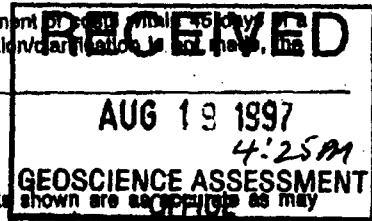
Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement or to provide a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.



Certification verifying costs:

I, Blaine Webster (please print full name), do hereby certify, that the amounts shown are as reported as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Blaine Webster (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signed: Blaine Webster Date: Aug 18/1997

January 29, 1998

BLAINE RICHARD WEBSTER
27 BLUE SPRUCE LANE
THORNHILL, Ontario
L3T-3W8

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

Dear Sir or Madam:

Submission Number: 2.17621

Status

Subject: Transaction Number(s): W9790.00071 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jerome12@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: January 29, 1998

Submission Number: 2.17621

Transaction Number: W9790.00071

<u>Claim Number</u>	<u>Value Of Work Performed</u>
1150609	1,900.00
1150610	1,150.00
1150611	1,150.00
1150612	1,150.00
1150613	1,150.00
1150645	1,150.00
1150646	1,150.00
	<hr/>
Total: \$	8,800.00

Work Report Assessment Results

Submission Number: 2.17621

Date Correspondence Sent: January 29, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9790.00071	1150609	LUTTERWORTH	Approval After Notice	December 19, 1997

Section:

14 Geophysical EM

Reduction

The 45 days outlined in the Notice dated November 3, 1997 have passed.

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet. Note the costs have been increased from the 45 day notice.

Correspondence to:

Resident Geologist
Tweed, ON

Recorded Holder(s) and/or Agent(s):

BLAINE RICHARD WEBSTER
THORNHILL, Ontario

Assessment Files Library
Sudbury, ON

REFERENCES

WITHDRAWN FROM DISPOSITION

Order No.	Date	Disposition	File
W/785	2/1/85	S.R.O.	188325
W/785	4/3/85	S.R.O.	

ANSON TOWNSHIP

LEGEND

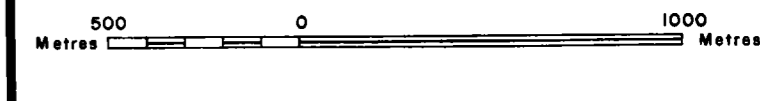
HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIP, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE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

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	
LICENSE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1910, CHAP. 260, SEC. 62, SUBSEC. 1

SCALE 1:20 000



0 500 1000 METERS

DATE OF ISSUE

OCT 3 1 1997

PROVINCIAL RECORDING OFFICE - GUDBURY

400 SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES AND RIVERS

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

TOWNSHIP

LUTTERWORTH

M.N.R. ADMINISTRATIVE DISTRICT

MINDEN

MINING DIVISION

SOUTHERN ONTARIO

LAND TITLES / REGISTRY DIVISION

HALIBURTON

Ontario

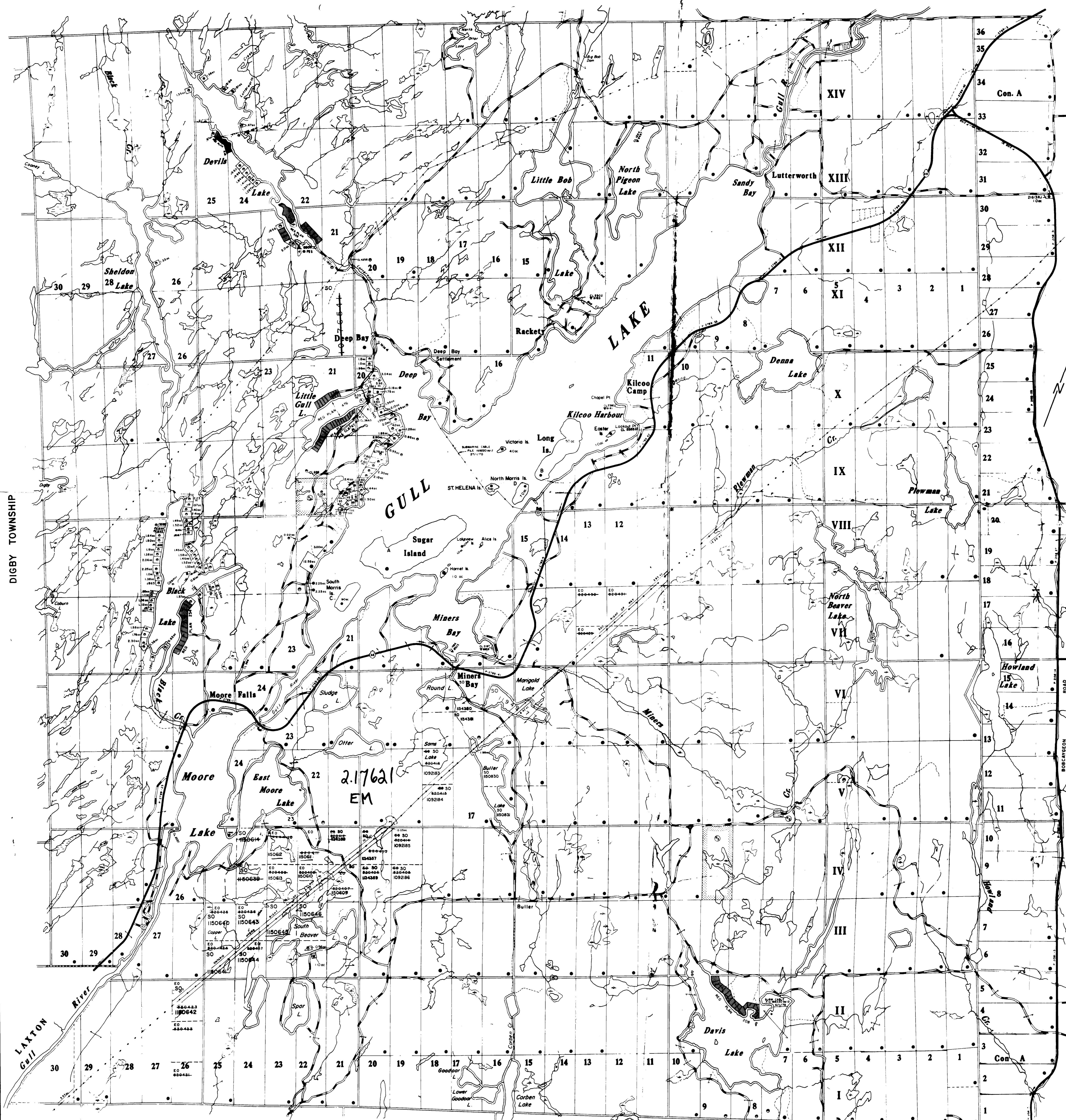
Ministry of Natural Resources and Mines

Ontario

DATE: FEBRUARY 1987

Number

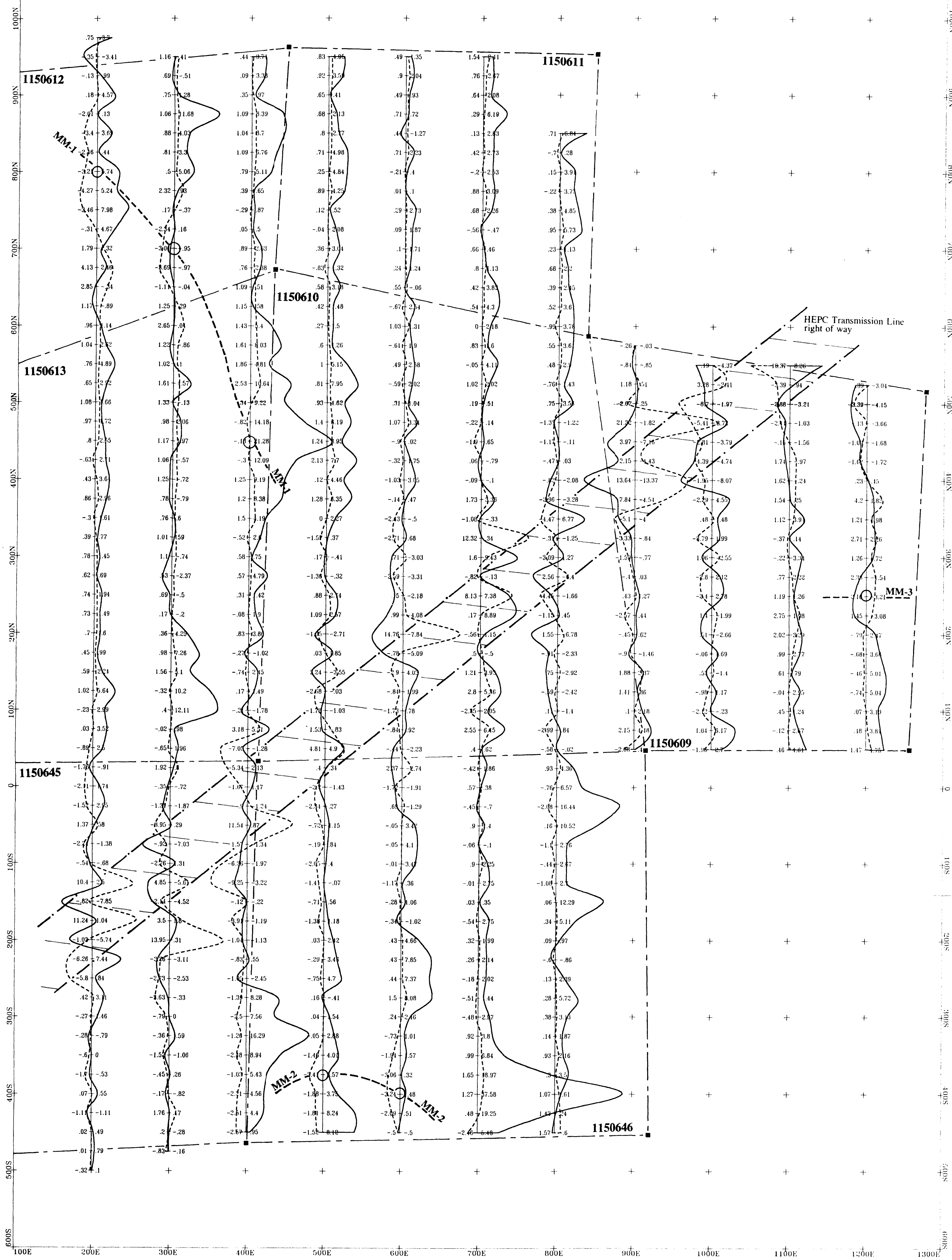
G-1296



SOMMERVILLE TOWNSHIP



200

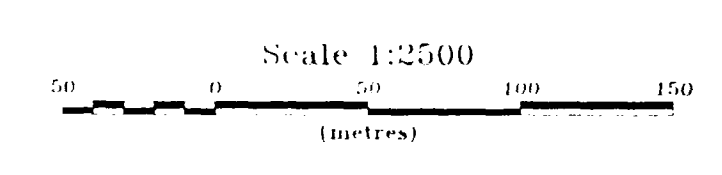


MM-3 Max Min Trend



210

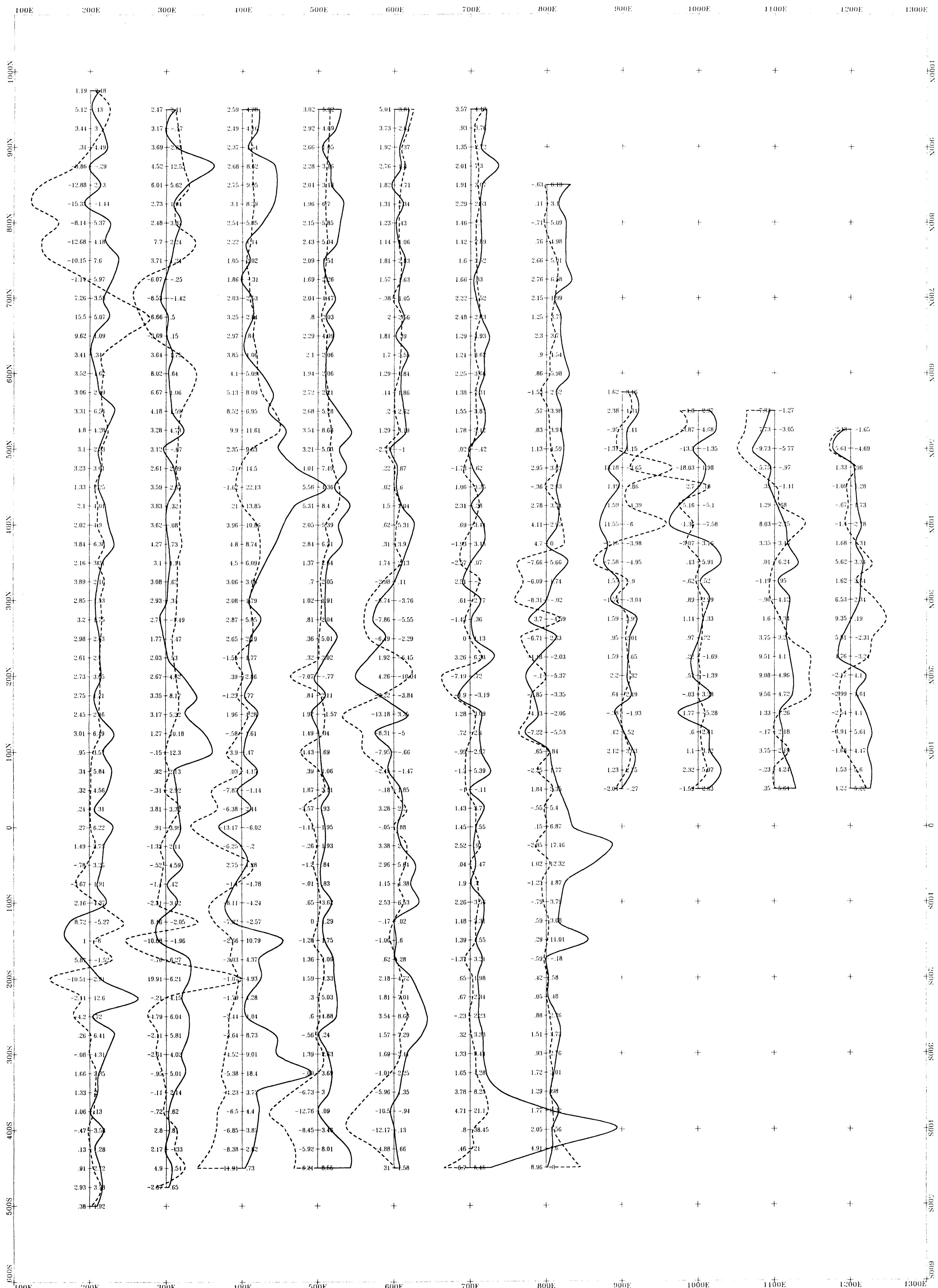
2.17621



2017M JM

PLATE 1

BLAINE WEBSTER
 LUTTERWORTH TWP. PROJECT
 LUTTERWORTH TWP., COUNTY OF HALBURTON
 NTS: 31D/15, Ontario
 MAX-MIN PROFILES
 Transmitted f=440 Hz; 1 cm rep. 5%
 In-phase posted to East; Full Line
 Out-of-phase posted to West; Dashed Line
 JVX LTD (March, 1997)



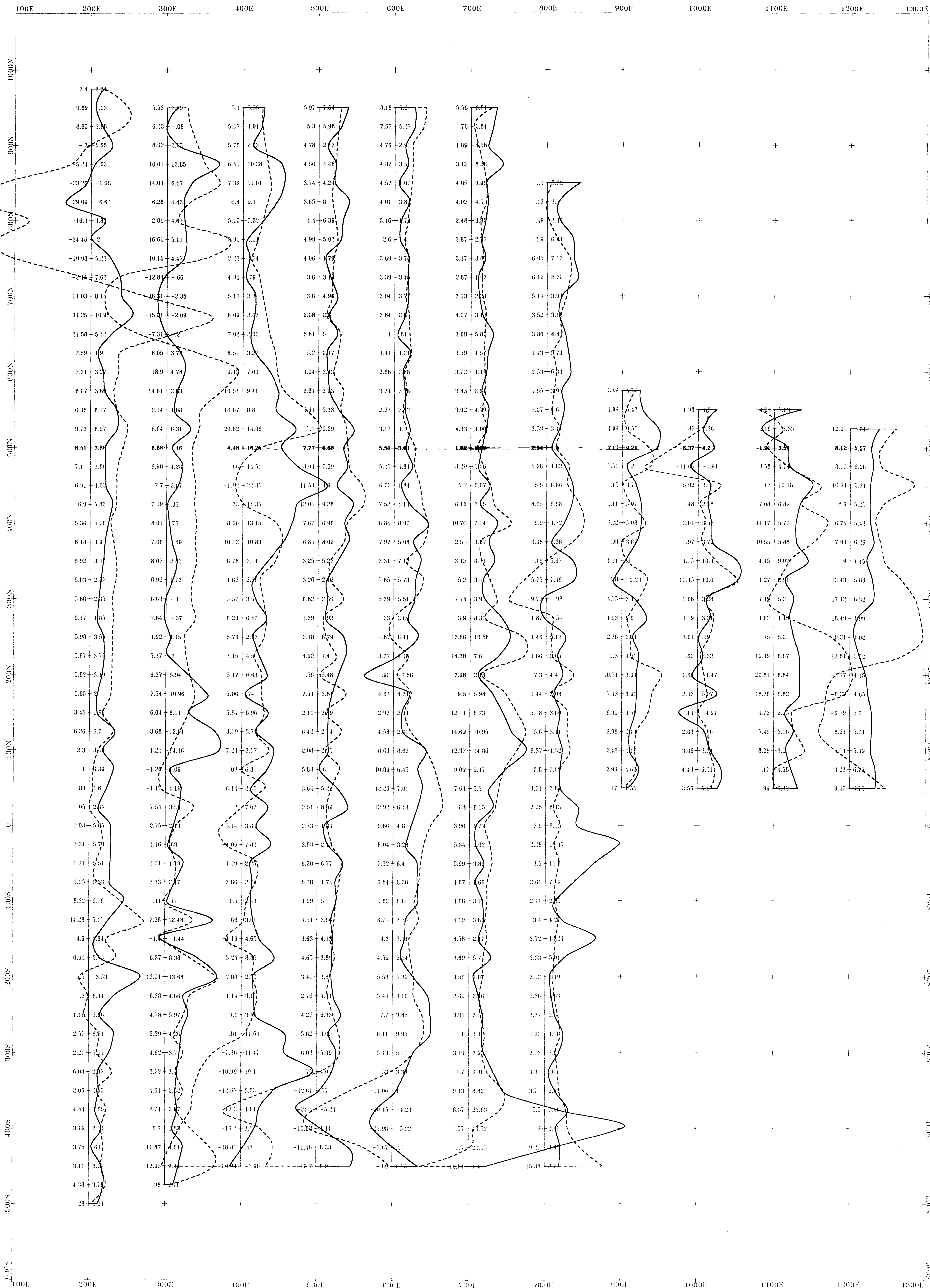
220

2.17621

Scale 1:2500
 50 0 50 100 150
 (metres)
 2014 PM JM

PLATE 2

BLAINE WEBSTER
 LUTTERWORTH TWP. PROJECT
 LUTTERWORTH TWP., COUNTY OF HALIBURTON
 NTS: 31D/15, Ontario
 MAX-MIN PROFILES
 Transmitted f=1760 Hz; 1 cm rep. 5"
 In-phase posted to East; Full Line
 Out-of-phase posted to West; Dashed Line
 JVX LTD (March, 1997)



230

2.17621

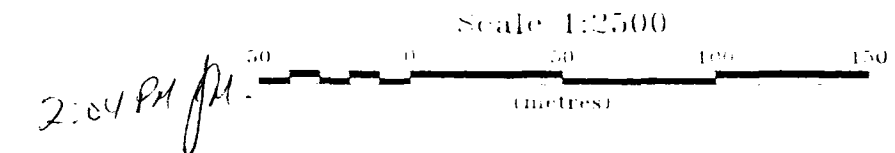


PLATE 3
 BLAINE WEBSTER
 LUTTERWORTH TWP. PROJECT
 LUTTERWORTH TWP., COUNTY OF HALIBURTON
 NTS: 31D/15, Ontario
 MAY-MIN PROFILES
 Transmitted: 3520 Hz; 1 cm. resp. 5"
 In-phase posted to East; Full Line
 Out-of-phase posted to West; Dashed Line
 JVN LTD (March, 1997)