



42A02SE0126 2.6738 BADEN

010

REPORT ON
A GROUND VLF ELECTROMAGNETIC SURVEY
and
A GROUND MAGNETIC SURVEY

performed on the

BADEN GOLD PROPERTY
LARDER LAKE MINING DIVISION
ONTARIO

for

HANSON MINERAL EXPLORATION LTD.

JOHN H. Mc ADAM
Bsc. Geol. Eng.
April 1984

RECEIVED

MAY 10 1984

MINING LANDS SECTION



42A02SE0126 2.6738 BADEN

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SUMMARY: This report describes the results of ground geophysical surveys performed on a group of fourteen claims located in Baden and Powell Townships in the Larder Lake Mining Division of Ontario. Hanson Mineral Exploration Limited holds the claims known as the Baden property under option.

Access to the property is by means of float or ski equipped aircraft or by means of boat or snowmobile from nearby Matachewan.

The property is underlain predominantly by mafic meta-volcanics with minor felsic volcanics. Matachewan diabase dikes and a small granite plug cut the country rocks.

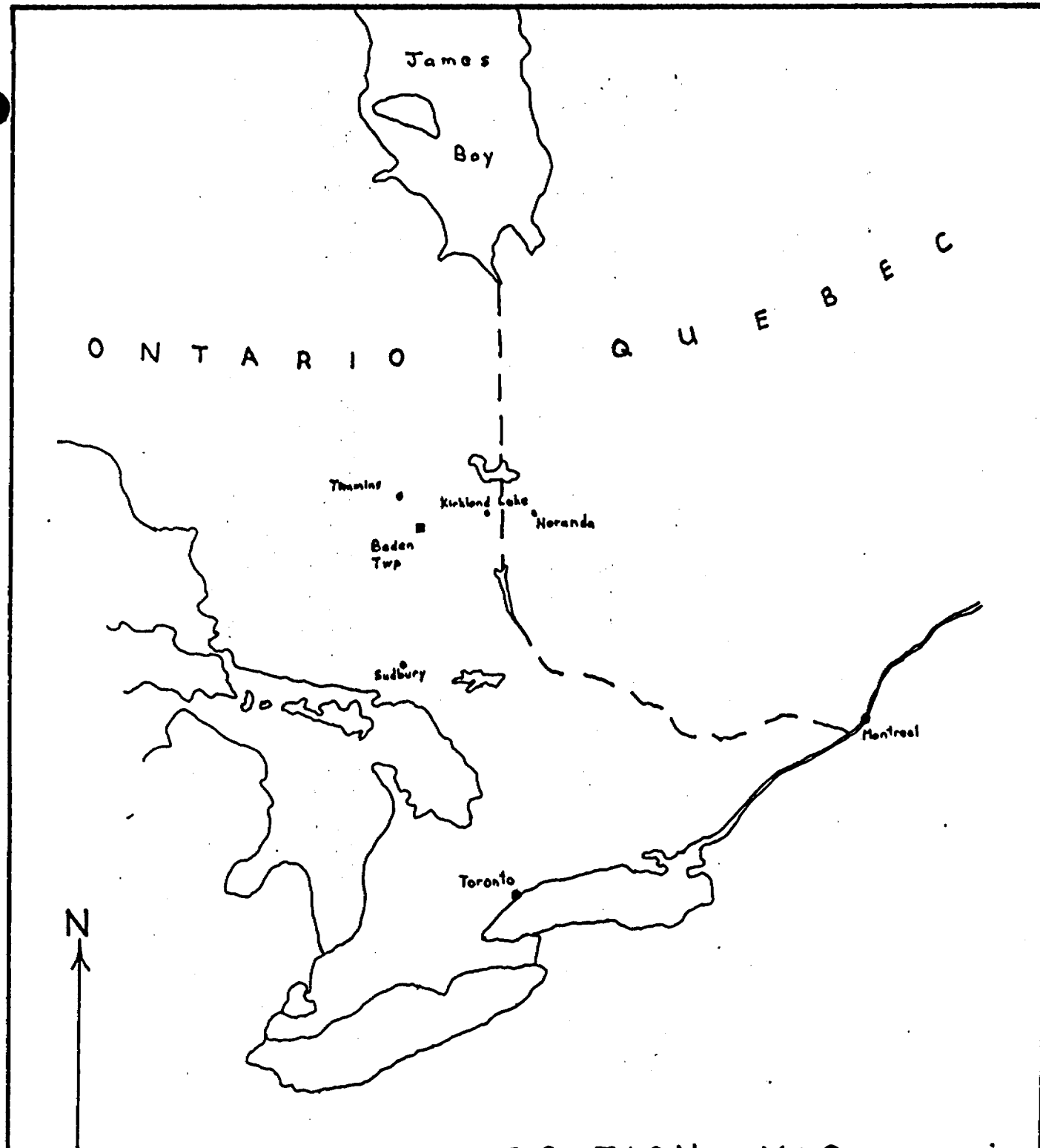
An interesting gold showing is located on the claims having first been discovered in 1936. The showing has yielded assays of gold of up to 1.43 ounce of gold per ton from a coarse felsic fragmental rock. The auriferous unit is stratabound and strataform and as such allows exciting potential.

Ground VLF electromagnetic and magnetic surveys were performed on the property. Six conductive zones believed to have a bedrock origin were detected. One zone overlies the showing in part.

The magnetic survey confirmed the east-west strike of the underlying lithologic units. The magnetic response of all conductors varied.

The results of the ground surveys which constituted PHASE I are very encouraging and a three phase follow up program is recommended. Phase II consists of a detailed mapping, prospecting and trenching program. PHASE III consists of an exploration diamond drilling program. PHASE IV, contingent on the results of the previous program, consists of a further drilling program.

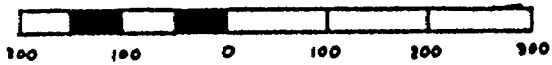
It is recommended that work proceed as soon as is practical.



LOCATION MAP

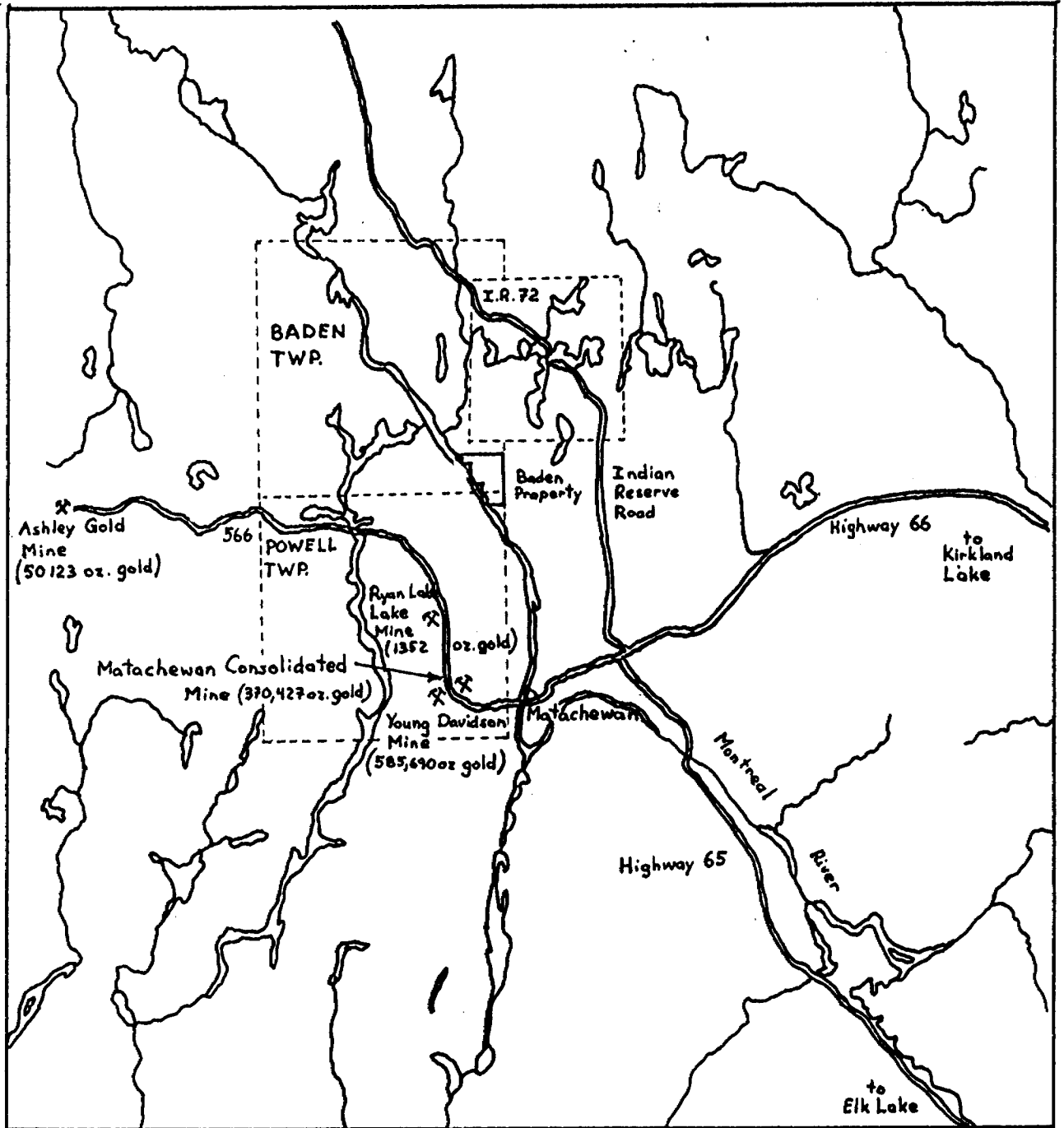
Baden Twp.

Ontario



KILOMETRES

Figure 1a



Baden Property Map

Access

Baden and Powell Townships
 Larder Lake Mining Division
 Ontario

KILOMETRES

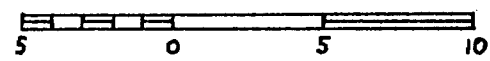


Figure 1b

PURPOSE: This report describes the results of ground geophysical surveys (consisting of a VLF electromagnetic survey as well as a magnetic survey) conducted on a group of fourteen claims located in Baden and Powell townships, Ontario. Hanson Mineral Exploration Ltd holds the claim group under an option agreement signed on November 18, 1983. The office of Hanson is located at Suite 601, 25 Adelaide Street East, Toronto, Ontario, M5C 1Y2.

PROPERTY AND LOCATION: The property consists of fourteen unpatented claims numbered as follows: L 737105 to L737113 inclusive as well as L 760125 to L 760129 inclusive.

The claim group is located on the east side of the Montreal River and lies in both Baden and Powell Townships in the Larder Lake Mining Division of Ontario as illustrated in Figure 1. Access to the property is by means of float or ski equipped aircraft or by means of boat or snowmobile north along the Montreal River from Matachewan; a distance of 9 kilometers (6 miles). An all weather road passes 5 kilometers (3 miles) east of the property.

GEOLOGY: The property lies within the large belt of greenstones that extends from Chibougamau, Quebec in the east to Timmins in the west. The area is underlain predominantly by Archean meta-volcanic rocks however numerous felsic batholiths, stocks and plugs are found in the general area. Younger Cobalt group sediments overlie these rocks to the south of the project area.

On a local scale the claim group is underlain predominantly by east-west trending mafic meta-volcanics with minor felsic volcanics. Numerous north-south trending Matachewan diabase dikes and a small granite plug cut the country rocks.

The claim group hosts a very interesting gold showing that was first discovered in 1936. Several generations of samplers have obtained gold assays of up to 1.43 ounces of gold per ton. The showing is contained within a band of felsic volcanics and the gold bearing horizon itself is contained in a coarse fragmental rock. Currently the showing is known to extend at least 100 meters, however a recent gold bearing sample indicates the horizon may extend another 300 meters minimum.

The occurrence appears stratabound and strataform and as such is most exciting. Geologically, it permits the possibility of extending the zone on the same horizon as well as permitting the repetition of an identical horizon stratigraphically above or below this known showing.

PREVIOUS WORK: A large portion of the property was held by Erie Canadian Mines Limited in 1936. A work program conducted under the supervision of G. L. Holbrooke identified " a strong vertical east - west shear containing parallel quartz veins yielded assays from grab samples of 0.01 to 0.46 ounce of gold per ton over a width of 12 feet and a length of 600 feet."

In 1971 Melville Mines and Industries Ltd. contracted Shield Geophysics to perform field work consisting of geologic mapping, magnetic and electromagnetic surveying over a large portion of the present claim group. Shield sampled the Erie showing and obtained assays of 1.43, 0.95, 0.46, and 0.06 ounce of gold per ton from " quartose " grab samples. Wallrocks assayed as high as 0.05 ounce of gold per ton.

Shield submitted a summary report on the property for Melville Mines in 1973.

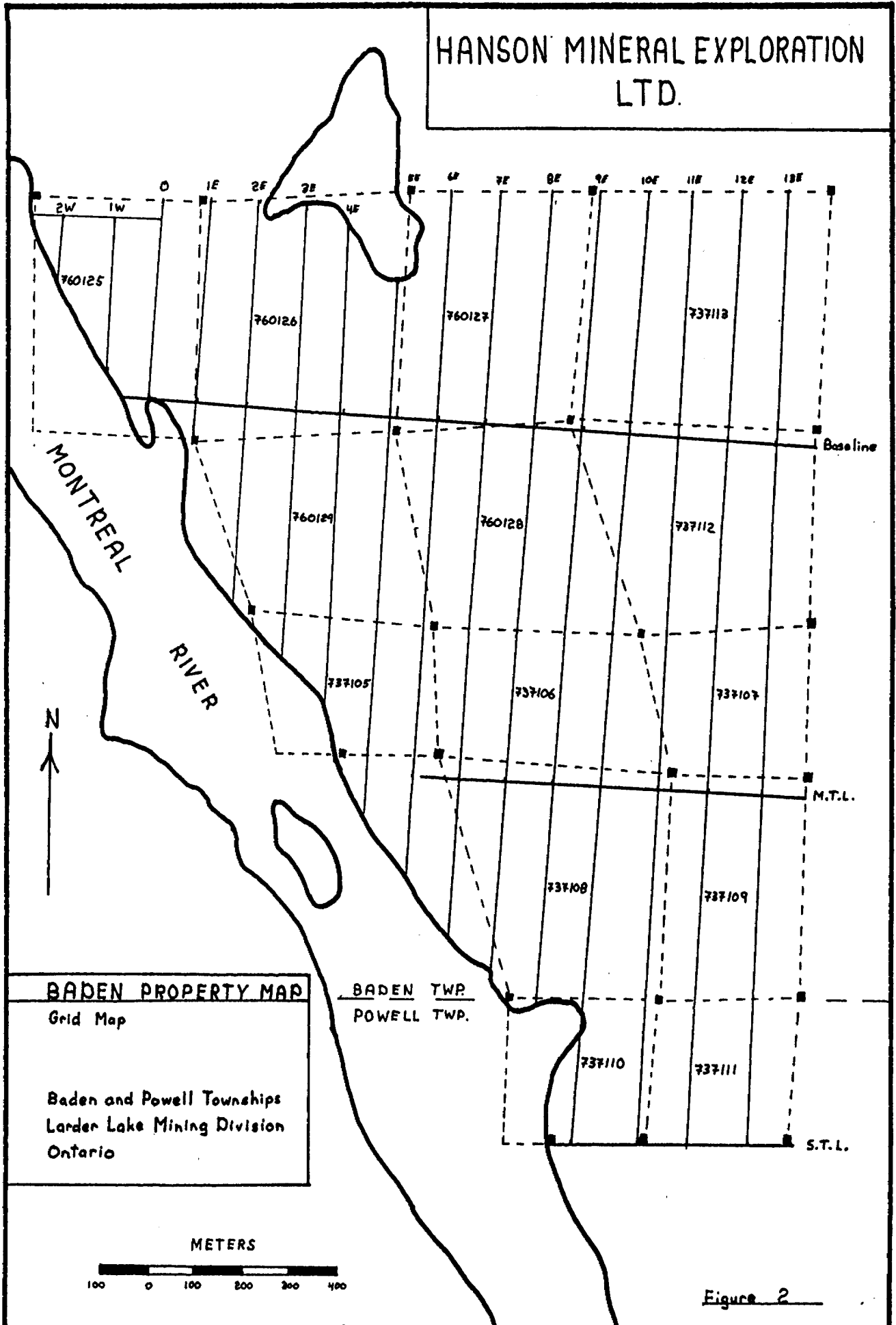
WORK PROGRAM: As a first step in the exploration program it was necessary to establish location control. To this end, a grid of north-south picket lines was cut at 100 meter intervals. A total of 21.426 kilometers of grid were cut. The grid map is illustrated in Figure II.

The linecutting was performed by Thomas J. Obradovich of 11 Mc Kelvey Street, Kirkland Lake, Ontario under contract to Hanson Mineral Exploration Ltd. The work was performed during the month of January 1984.

A ground geophysical program was subsequently performed by John H. Mc Adam of 533 Merton Street, Toronto, Ontario under contract to Hanson Mineral Explorations Ltd. The field work was performed during the month of February 1984 and the report completed on April 12, 1984.

The program discussed herein is referred to as PHASE I of a four phase program. The surveys and results are discussed below.

HANSON MINERAL EXPLORATION LTD.



GEOPHYSICAL SURVEYS: A VLF electromagnetic and a magnetic survey were performed over the entire grid.

VLF EM Survey

Instrument: A Geonics EM-16 VLF was used to read the north-south lines reading the Cutler, Maine transmitting station. The signal is transmitted at a frequency of 17.8 kHz. Dip angles were recorded to the nearest per cent.

A Crone Radem VLF was used to read the east-west lines reading the Annapolis, Maryland transmitting station. The signal frequency is 21.4 kHz. Dip angles were recorded to the nearest degree.

Procedure: Readings were taken at an interval of between 16 and 25 meters on all survey lines. A total of 866 readings were taken over 21.426 kilometers of grid line.

Presentation: The results of the VLF surveys are illustrated on Figures 3 and 4. Figure 3 illustrates profiles of dip angles recorded in per cent and Figure 4 illustrates the contoured Fraser Filtered data.

Results: Numerous anomalies were detected by the survey. Of these, several are believed to be bedrock conductors given they are essentially parallel with the general trend of the underlying lithological units. Six conductive zones were identified for further investigation.

- 1) a strongly conductive horizon located at the north edge of the eastern portion of the grid. This zone strikes off the grid to the north as it proceeds westerly. The zone is known between lines 13 East and 6 East as well as having been detected on the northerly extension of line 4 East. A Filter Unit value of over 70 was recorded on line 12 East.
- 2) a strongly conductive discontinuous horizon that extends from the river in the west to line 9 East. It is situated north of the baseline between approximately 1 and 3 North. A Filter Unit value of over 80 was recorded on line 7 East.
- 3) a bi-modal conductive area that straddles the Baseline between 9 and 12 East. Filter Unit values of up to 62 were recorded on line 11 East.
- 4) a conductor that appears to directly overlie, at least part, of the gold showing described above. It extends between lines 3 and 6 East at approximately 1 to 2 South. The maximum Filter Unit value recorded was 34 on line 4 East.
- 5) a very strongly conductive body located between lines 4 and 7 East at a distance of 400 to 500 meters south of the baseline. A Filter Unit value of 110 was recorded on line 5 East.

6) a conductor located on lines 11 and 12 East at approximately 600 to 700 meters south of the baseline. A Filter Unit value of 34 on line 12 East was the maximum recorded on this conductor.

Magnetic Survey

Instrument: A Scintrex MF-2 Fluxgate Magnetometer was used to record the vertical component of the earth's magnetic field. Positive and negative readings were taken on various scales including a 1000 gamma scale, a 3000 gamma scale and a 10000 gamma scale.

Procedure: Readings were taken at intervals of between 16 and 25 meters on all lines. Diurnal corrections were effectuated by means of establishing a base station and using the tie back method at intervals of one half hour to two hours. A total of 1108 readings were taken over 20.626 kilometers of grid line.

Presentation: The contoured results of the magnetic survey are illustrated on Figure 5. Contours are drawn at 0, 500, 1000, 2000 and 3000 gammas.

Results: The survey results confirm the general east-west trend of the underlying lithological units. It is observed that four east-west trending areas of stronger and more variable magnetic response are superimposed on a background of weaker and less variable magnetic character. The four anomalous areas are located as follows:

- 1) between lines 3 and 8 East at approximately 300 to 400 meters north of the baseline.
- 2) between lines 7 and 13 East at approximately 300 to 500 meters south of the baseline.
- 3) between lines 7 and 12 East at approximately 600 to 1000 meters south of the baseline.
- 4) between lines 10 and 13 East at approximately 1300 to 1400 meters south of the baseline.

The range of readings in gammas was from -3300 to 5300 gammas however most readings were in the range of 0 to 2000 gammas.

DISCUSSION: There is no typical magnetic response for each of the conductors identified in the VLF survey.

Conductor 1 is not typified by a specific magnetic regime as the conductor axis transgresses areas of both magnetic regimes.

Conductor 2 lies predominantly in an area of low magnetic relief. It is bounded immediately to the north from line 3 East to line 8 East as well as to the south at line 8 East by areas of higher magnetic response.

Conductor 3 lies in an area of low magnetic relief.

Conductor 4 is underlain in part by a narrow tongue of slightly more magnetic response.

Conductor 5 has a very pronounced magnetic signature. There is positive magnetic relief of up to 2500 gammas over the surrounding area.

Conductor 6 lies within a broad area of stronger magnetic response.

It is very encouraging that several well defined conductors were encountered in the survey and it is especially encouraging that one conductor appears to be spatially associated with very impressive gold values. All six conductive bodies should be evaluated for their gold potential. Conductor 5 is especially interesting given the coincident magnetic response as well as the particularly strong VLF response. Conductors 1 and 2 are interesting given their long strike length.

RECOMMENDATIONS: It is recommended that PHASE II of a four phase program to evaluate the gold potential of the claims be undertaken as soon as practical. The work described in this report constitutes PHASE I of a four phase program. Phases II, III and IV are described below.

PHASE II - Mapping, prospecting and trenching.

The property has never been properly mapped and it is recommended that a detailed mapping and prospecting program be performed on the property. It is recommended that boulder prospecting be conducted down ice of all the conductors.

It is also recommended that the known showing be exposed, mapped and systematically sampled. A thorough understanding of the showing and particularly clues as to its genesis would aid greatly the exploration effort on the showing itself. It would also help the search for other similar occurrences.

To investigate the showing further and to attempt to expose the bedrock source of the other conductors, it is recommended that a backhoe or similiar type equipment be mobilized to the property. It is noteworthy that the axis of Conductor 5 lies near the river on the side of a large hill with almost no overburden. This allows the prospect of washing the overburden off the bedrock with the use of a pressure pump. The conductor could be evaluated very simply and cheaply.

At the end of PHASE II the property will have been subjected to a relatively thorough surface examination and drilling targets can be established.

PHASE III - Exploration diamond drilling

The diamond drilling should await the results of PHASE II, however it is anticipated that a program of 500 meters should be warranted.

PHASE IV - Exploration and definition diamond drilling.

PHASE IV would be contingent on the results of PHASE III of course, however a fourth phase could involve 1000 meters of drilling to further explore or define one or more deposits.

Anticipated budgets for PHASES II, III and IV are recommended below.

BADEN GOLD PROPERTY

PHASE II - Mapping, prospecting and trenching

DETAILED GEOLOGIC MAPPING		3000
PROSPECTING and TRENCHING (2 men X 7 days)		1400
STRIPPING - scouting	200	
- road	2100	
- stripping	2800	
- float	200	

	5300	5300
ASSAYS		1700
VEHICLE		600
OFFICE, TRAVEL and OVERHEAD		1000

subtotal		13000
contingency @ 10%		1300

TOTAL		14300
		\$ 15000

BADEN GOLD PROPERTY

PHASE III - Exploration diamond drilling

DIAMOND DRILLING PROGRAM (500 m @ \$80)	40000
MOB and DEMOB	5000
DRILL SUPERVISION and REPORTS	6000
· ASSAYS	3400
VEHICLE	700
OFFICE, TRAVEL and OVERHEAD	2500 -----
subtotal	57600
contingency @ 10 %	5760 -----
TOTAL	63360 \$ 65000 -----

BADEN GOLD PROPERTY

PHASE IV - Exploration and definition diamond drilling	
DIAMOND DRILLING PROGRAM (1000 m @ \$80)	40000
MOB and DEMOB	5000
DRILL SUPERVISION and REPORTS	12000
ASSAYS	6800
VEHICLE	1350
OFFICE, TRAVEL and OVERHEAD	4000 -----
subtotal	108350
contingency @ 10 %	10835 -----
TOTAL	119185 ----- \$ 120000 -----

REFERENCES:

Bradshaw, R. J., 1971, Geological Survey on the property of Melville Mines and Industries Ltd., Baden Township, Ontario., Assessment Research Files, Toronto

Bradshaw, R. J., 1971, Magnetic - Electromagnetic Survey on the property of Melville Mines and Industries Ltd., Baden Township, Ontario., Assessment Research Files, Toronto.

Bradshaw, R. J., 1973, Report on the property of Melville Mines and Industries, Baden Township, Ontario., Assessment Research Files, Toronto.

Lovell, H. L., 1967, Geology of the Matachewan Area, Geological Report 51, Ontario Department of Mines.

Mc Adam, J. H., 1983, An Exploration Proposal for the Baden Gold Property, Baden and Powell Townships, Larder Lake Mining Division, Ontario., unpublished report for Hanson Mineral Exploration Ltd., Toronto.

ODM 1963, Geological Map of Baden Township, Baden Township, District of Timiskaming, Ontario., Ontario Department of Mines, Preliminary Geological Map No. P. 195.

ODM 1975, Airborne Electromagnetic Survey and Total Intensity Magnetic Survey, Baden Township, District of Timiskaming, Ontario Division of Mines, Preliminary Map P. 1019.

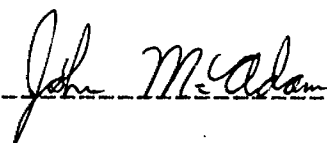
CERTIFICATE

I, John H. Mc Adam, residing at 533 Merton Street, Toronto, Ontario, a consulting geologist based in Toronto, do hereby certify that;

I attended Queen's University, Kingston, Ontario and graduated with a B.Sc. in Geological Engineering in 1978.

I have been practising my profession since 1978 with the exception of the period February 1981 to February 1982 during which I was employed by the Investment Research Department of Mutual Life of Canada in Waterloo, Ontario.

Respectfully Submitted,



John H. Mc Adam
B.Sc. Geol. Eng.
April 12, 1984.



42A02SE0126 2.6738 BADEN

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HANSON MINERAL EXPLORATION LTD.

Baden Property

Baden and Powell Townships
Larder Lake Mining Division
Ontario

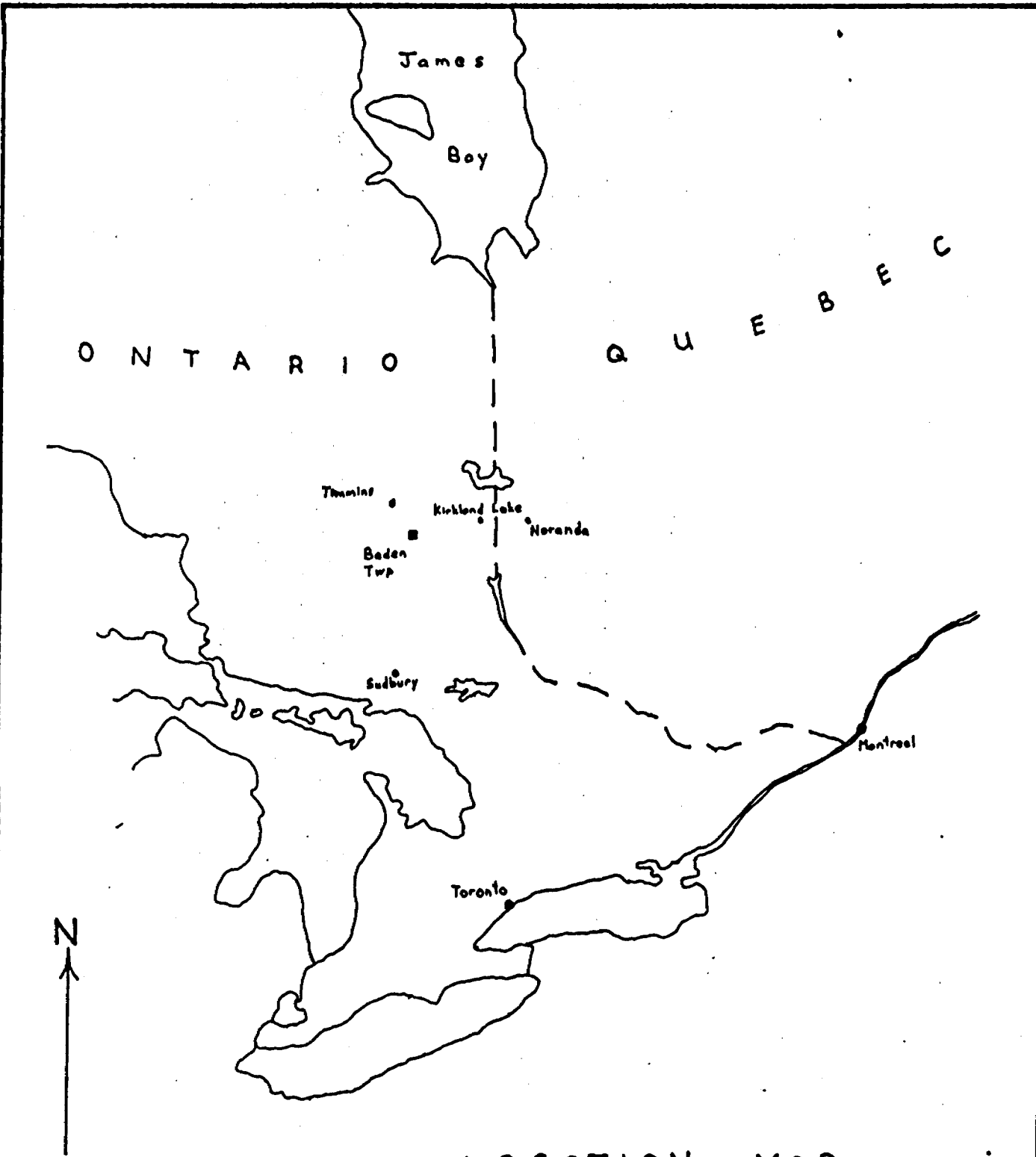
Sketch of Grab Sample Locations

RECEIVED

MAY 10 1984

MINING LANDS SECTION

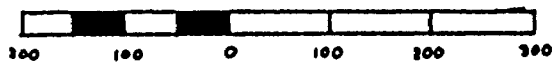
John H. McAdam
BSc. Geol. Eng.
April 12, 1984



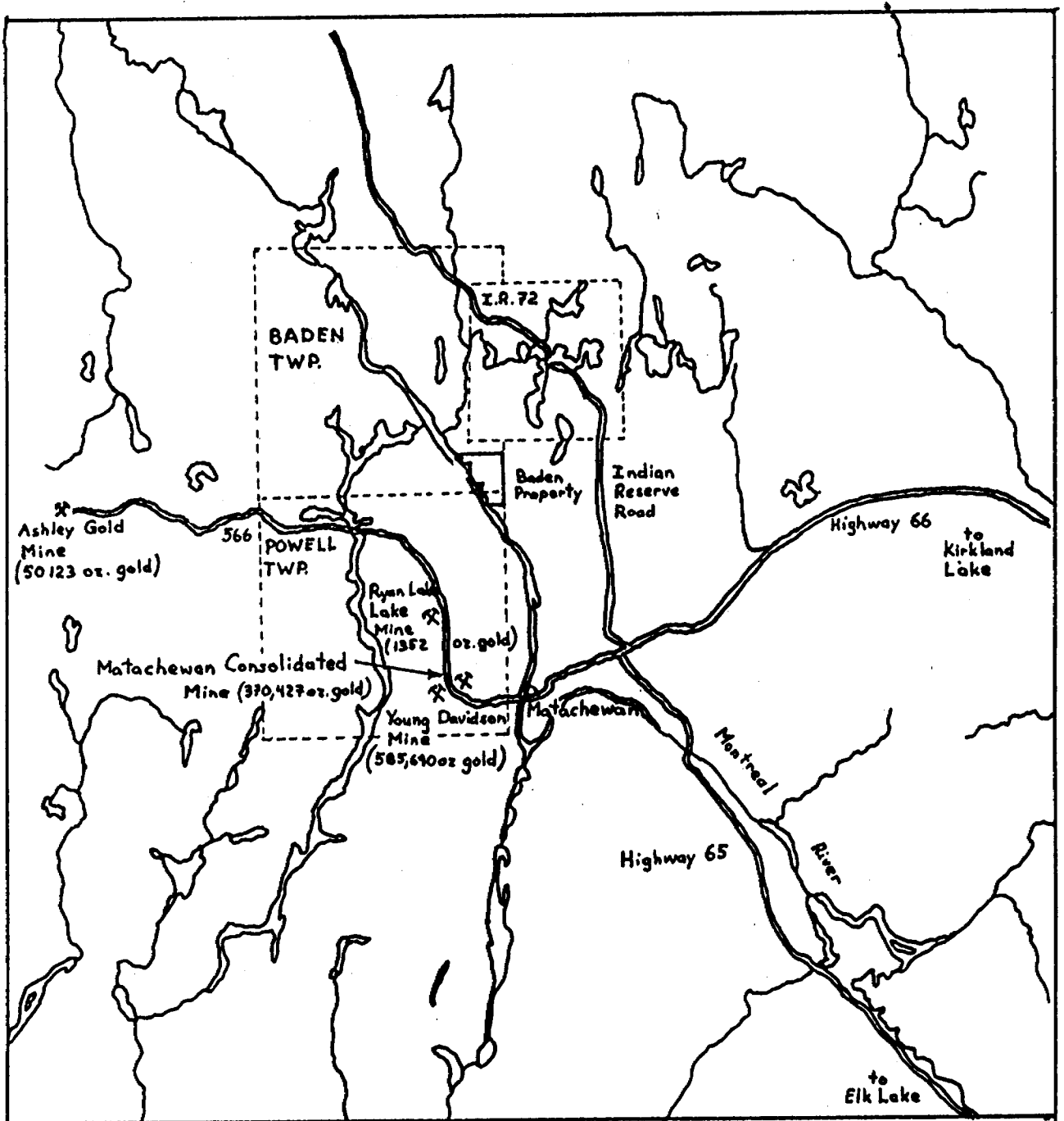
LOCATION MAP

Baden Twp.

Ontario



KILOMETRES



Baden Property Map

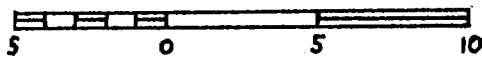
Access

Baden and Powell Townships

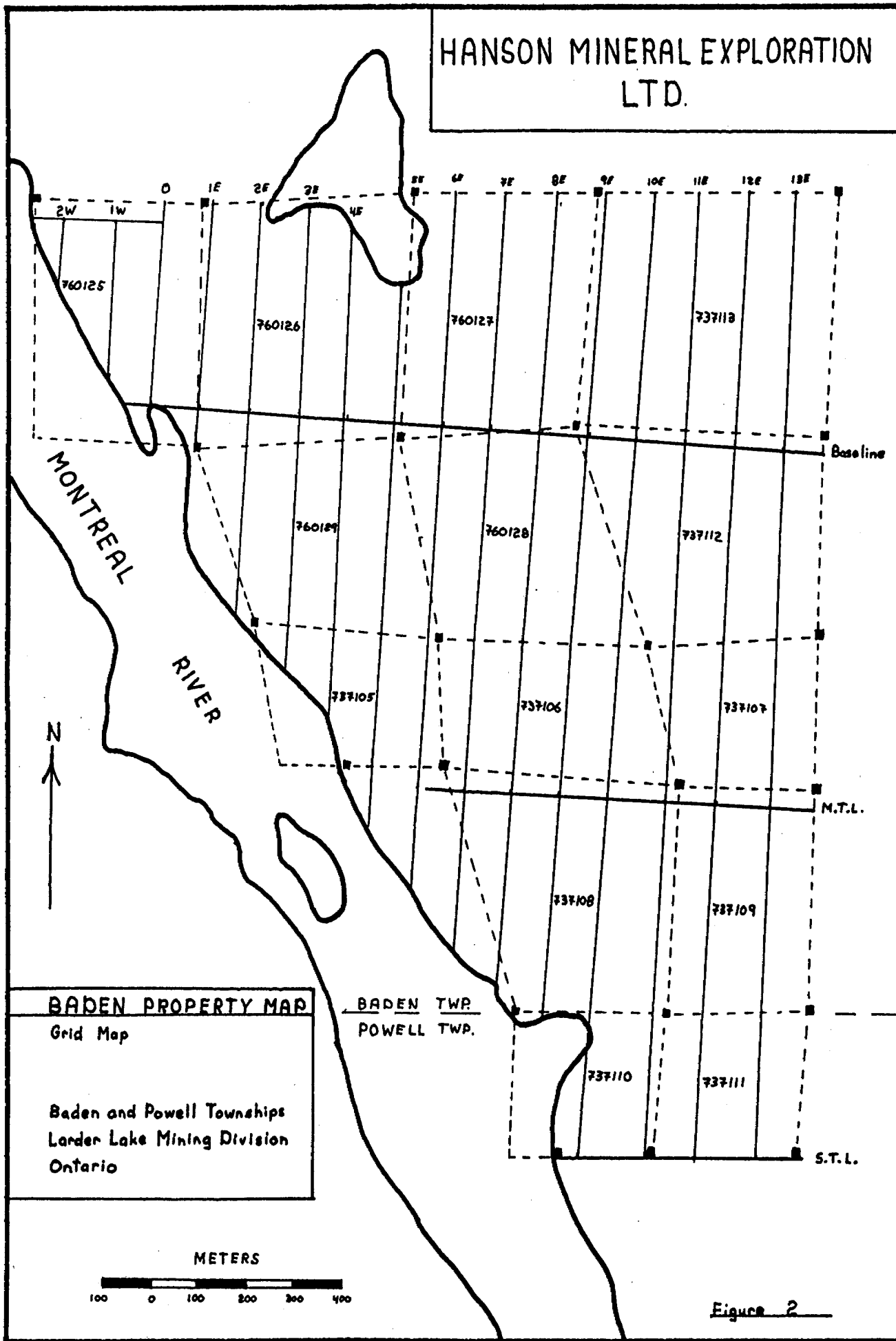
Larder Lake Mining Division

Ontario

KILOMETRES



HANSON MINERAL EXPLORATION LTD.



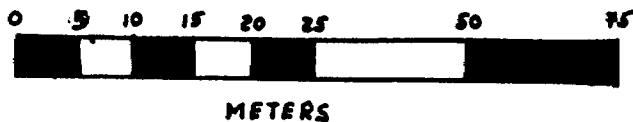
↑
No.1 Post of claim 760129
No.3 Post of claim 760128
15 m North

HANSON MINERAL EXPLORATION LTD

BADEN PROPERTY

Baden + Powell Townships
Larder Lake Mining Division
Ontario

Select Grab Samples and Gold Assays in oz/ton
on claim 760128, Baden Twp.



Line 5E

T 0+505

0+755

1+005

1+285 rusty pyrite bearing
felsic fragmental

Trench
8819 .096

mafic
volcanic

Line 6E

T 0+505

0+755

1+005

felsic fragmentals

8815 .002
8812 .007
8814 .001
8817 .001
8818 .003
Trench

Trench
8820
nil

8813
nil

magnetic
north

N

John H. McAdam
B.Sc. Geol. Eng.
April 12, 1984.

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET, DON MILLS, ONTARIO M3B 3J4

PHONE 416-445-5755

TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO: JOHN MCADAM
533 MERTON STREET
TORONTO, ONTARIO
M4S 1B4

CUSTOMER NO. 40

DATE SUBMITTED
19-OCT-83

REPORT 19386

REF. FILE 15222-R4

15 ROCKS

WERE ANALYSED AS FOLLOWS:

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001
AG OZ/TON	FA	0.100

X-RAY ASSAY LABORATORIES LIMITED

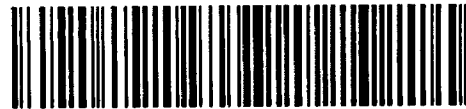
DATE 24-OCT-83

CERTIFIED BY 

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD PULPS 180 DAYS ***
AND REJECTS 90 DAYS FROM DATE OF THIS REPORT

SAMPLE	AU OZ/TON	AG OZ/TON
8812	0.007	TRACE
3813	NIL	NIL
3814	0.001	NIL
3815	0.002	NIL
3817	0.001	NIL
3818	0.003	NIL
3819	0.096	TRACE
3820	NIL	TRACE
3RY-1	NIL	--
3RY-2	NIL	--
3RY-3	NIL	--
3RY-4	NIL	--
3RY-5	0.001	--
W4U-1	NIL	--
W4U-2	NIL	--

Baden Property Assays



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) VLF - ELECTROMAGNETIC AND MAGNETIC
Township or Area BADEN and POWELL TOWNSHIPS
Claim Holder(s) HANSON MINERAL EXPLORATION LTD.

Survey Company John H. McAdam
Author of Report John H. McAdam
Address of Author 533 Merton Street, Toronto, Ont. M4S 1B4
Covering Dates of Survey JAN 1 - APRIL 12, 1984
Total Miles of Line Cut 21.426 Kilometers

Table with 2 columns: SPECIAL PROVISIONS CREDITS REQUESTED, DAYS per claim. Rows include Electromagnetic (40), Magnetometer (20), Radiometric, Other, Geological, Geochemical.

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

DATE: April 12/84 SIGNATURE: John McAdam
Author of Report or Agent

Res. Geol. Qualifications

Table with 4 columns: File No., Type, Date, Claim Holder. Includes a RECEIVED stamp dated MAY 10 1984 and MINING CLAIMS SECTION stamp.

MINING CLAIMS TRAVERSED List numerically. Table with 2 columns: (prefix), (number). Lists claim numbers from 737.105 to 760.129, totaling 14 claims.

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____
Station interval _____ Line spacing _____
Profile scale _____
Contour interval _____

MAGNETIC

Instrument Scintrex MF-2 Fluxgate Magnetometer
Accuracy - Scale constant _____
Diurnal correction method Tie in Method.
Base Station check-in interval (hours) 1/2 hr - 2 hrs
Base Station location and value Base station BL. at LO East. Established Reading of 7108 and all values on the grid are tied into this station. The total field strength at this station is not known.

ELECTROMAGNETIC

Instrument Crone VLF Radem and Geonics EM-16
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency Cutler Maine 17.8 kHz Annapolis, Maryland 21.4 kHz
(specify V.L.F. station)
Parameters measured Dip Angles

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 _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD



Numbers of claims from which samples taken 1 - 760128

Total Number of Samples 8

Type of Sample grab rock samples
(Nature of Material)

Average Sample Weight 2 lbs

Method of Collection grab

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, (circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory X-Ray Laboratory

Extraction Method _____

Analytical Method Assay

Reagents Used _____

General _____

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

2.6738

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.

File L737105)

Mining Act June 18/84

Type of Survey: VLF-ELECTROMAGNETIC and MAGNETIC SURVEYS
 County: Baden and Powell
 Township or Area: Baden and Powell
 Prospector's Licence No.: P983
 Name of Surveyor: HANSON MINERAL EXPLORATION LTD.
 Name and Address of Author for Geophysical Report: SUITE 601, 25 ADELAIDE STREET EAST, TORONTO, ONT. MSC 1Y2
 Date of Survey (from & to): 01 01 84 to 12 04 84
 Total Miles of line Cut: 21436 Km
 Name and Address of Author for Geological Report: John H. McAdam, 533 Merton Street, Toronto, Ontario, M4S 1R4

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

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

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

Mining Claims Traversed (List in numerical sequence)			Mining Claims Traversed (List in numerical sequence)		
Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
L	737105		L	760125	
	737106			760126	
	737107			760127	
	737108			760128	7.9
	737109			760129	
	737110				
	737111				
	737112				
	737113				

LARDER LAKE MINING DIV
 RECEIVED
 APR 16 1984
 AM 7 18 19 10 11 12 1 2 3 4 5 6 PM

RECEIVED
 MAY 9 1984
 MINING LANDS SECTION

Expenditures (excludes power stripping)

Type of Work Performed: Assays

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: \$ 118 ÷ 15 = Total Days Credits: 7.9

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.

Total number of mining claims covered by this report of work: 17

By: April 12/84
 Approved Holder or Agent: John McAdam
 Certification Verifying Report of Work

I hereby certify that I have personally supervised the work reported on this report and that the work was performed in accordance with the Mining Act and Regulations.

John H. McAdam
 1984

For Office Use Only

Total Days Cr. Date Reported: APR 16 1984
 Mining Recorder: [Signature]
 Approved as Received: 84.7.16
 Date Reported: April 12/84

XRAL

X-RAY ASSAY LABORATORIES LIMITED

1885 LESLIE STREET • DON MILLS ONTARIO M3B 3J4 • (416) 445-5755

COPY TO:

INVOICE TO:

JOHN MCADAM
533 MERTON STREET
TORONTO, ONTARIO
M4S 1B4

CUSTOMER NO. 40

SUBMITTED TO:

JOHN MCADAM
533 MERTON STREET
TORONTO, ONTARIO
M4S 1B4

INVOICE NO.	INVOICE DATE	WORK ORDER NO.	DATE SUBMITTED
19386	24-OCT-83	15222	19-OCT-83
TERMS			
C. O. D.			

CLIENTS P.O. NO.	CLIENT PROJECT NO.	TYPE OF SAMPLES SUBMITTED
		ROCK

NO. OF PKGS	SHIPPED VIA	WAY BILL NO.	SHIPPED FROM
1 BOX	SELF		

QUANTITY	DESCRIPTION METHOD	XRAL CODE	UNIT COST	AMOUNT
1. 8	AU & AG CONCURRENT	50, 10, 7, 0, 0, 0	12.00	96.00
2. 7	AU	50, 10, 7, 0, 0, 0	7.00	49.00
3. 15	ROCK, CRUSHING & MILLING (CHROME STEEL MILL)	99, 1, 0, 0, 0, 0	2.75	41.25
<p>Baden Property</p> <p>8x#12 = 96</p> <p>8x#2.75 = 22</p> <p style="text-align: right;">#108</p>				
***** ADVANCED PAYMENT RECEIVED CDN \$186.25 *****				
SUB-TOTAL				\$ 186.25

SHIPPING CHARGES	CUSTOM BROKERAGE	TELEX	MINIMUM CHARGES
MISC. CHARGES	OTHER		BURCHARGE - RUSH SERVICE

TOTAL IN CANADIAN FUNDS \$ 186.25

ORIGINAL INVOICE

1984 05 23

Our File: 2.6738

Mr. George J. Koleszar
Mining Recorder
Ministry of Natural Resources
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic and Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) and Data for Assaying on Mining Claims L 737105 et al in the Townships of Baden & Powell.

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:mc

cc: Hansen Mineral Exploration Ltd
Suite 601
25 Adelaide Street East
Toronto, Ontario
M5C 1Y2

cc: John H. McAdam
533 Merton Street
Toronto, Ontario
M4S 1B4

Mining Lands Section

File No 2.6738

Control Sheet

TYPE OF SURVEY

GEOPHYSICAL

GEOLOGICAL

GEOCHEMICAL

EXPENDITURE

MINING LANDS COMMENTS:

L.D.

Dennis King
Signature of Assessor

July 11/84
Date

2.6738

	<u>E.M.</u>	<u>Mag.</u>		<u>E.M.</u>	<u>Mag.</u>
L.-737105		1/4	L.-760125		~✓
06		✓	26		~✓
07		✓	27		✓
08		✓	28		✓
09		✓	760129		✓
10		~1/2			
11		✓			
12		✓			
737113		✓			
			2 several 1/4's + one 1/2, but		D.K.
			all covered.		

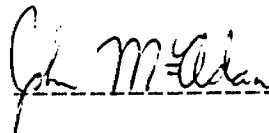
CERTIFICATE

I, John H. Mc Adam, residing at 533 Merton Street, Toronto, Ontario, a consulting geologist based in Toronto, do hereby certify that;

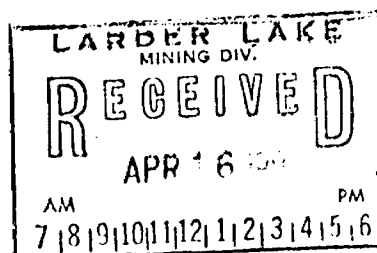
I attended Queen's University, Kingston, Ontario and graduated with a B.Sc. in Geological Engineering in 1978.

I have been practising my profession since 1978 with the exception of the period February 1981 to February 1982 during which I was employed by the Investment Research Department of Mutual Life of Canada in Waterloo, Ontario.

Respectfully Submitted,



John H. Mc Adam
B.Sc. Geol. Eng.
April 12, 1984.



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MAY 9 1984
MINING LANDS SECTION

DAF

2W 1W 0 1E 2E 3E 4E 5E 6E 7E 8E 9E 10E 11E 12E 13E

5N
4N
3N
2N
1N
BL
1S
2S
3S
4S
5S
6S
7S
8S
9S
10S
11S
12S
13S
14S

MONTREAL

RIVER

HANSON MINERAL EXPLORATION LTD.

**BADEN PROPERTY
BADEN AND POWELL TOWNSHIPS
LARDER LAKE MINING DIVISION
ONTARIO**

MAGNETIC SURVEY

CONTOURS of vertical component of the earth's magnetic field

Contours at: 0, 500, 1000, 2000 and 3000 gammas

BADEN TWP.

POWELL TWP.



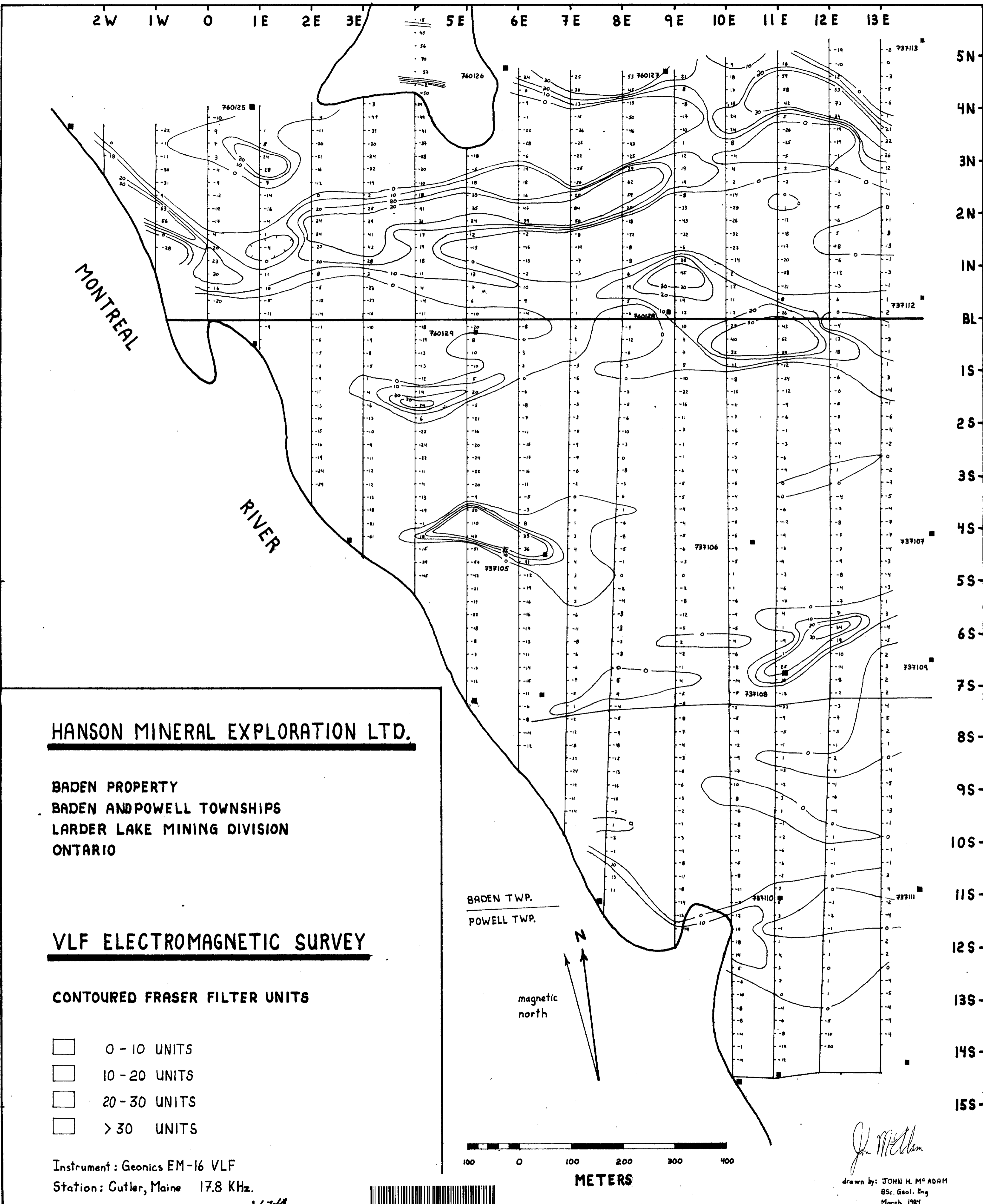
METERS

drawn by: JOHN H. McADAM
B.Sc. Geol. Eng.
March 1984

Instrument: Scintrex MF-2 Fluxgate Magnetometer



2-6748



HANSON MINERAL EXPLORATION LTD.

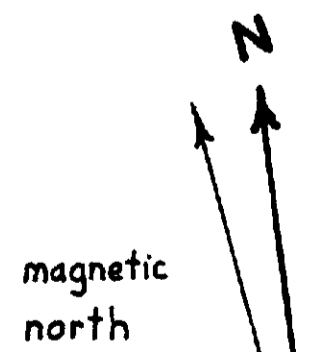
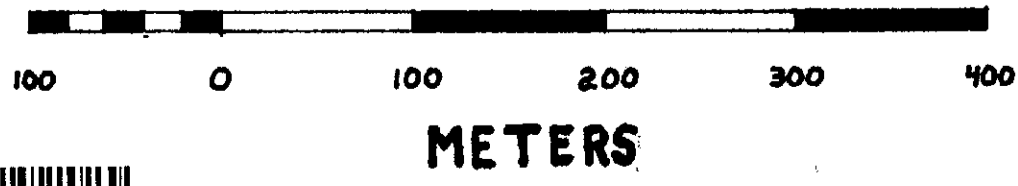
**BADEN PROPERTY
BADEN AND POWELL TOWNSHIPS
LARDER LAKE MINING DIVISION
ONTARIO**

VLF ELECTROMAGNETIC SURVEY

CONTOURED FRASER FILTER UNITS

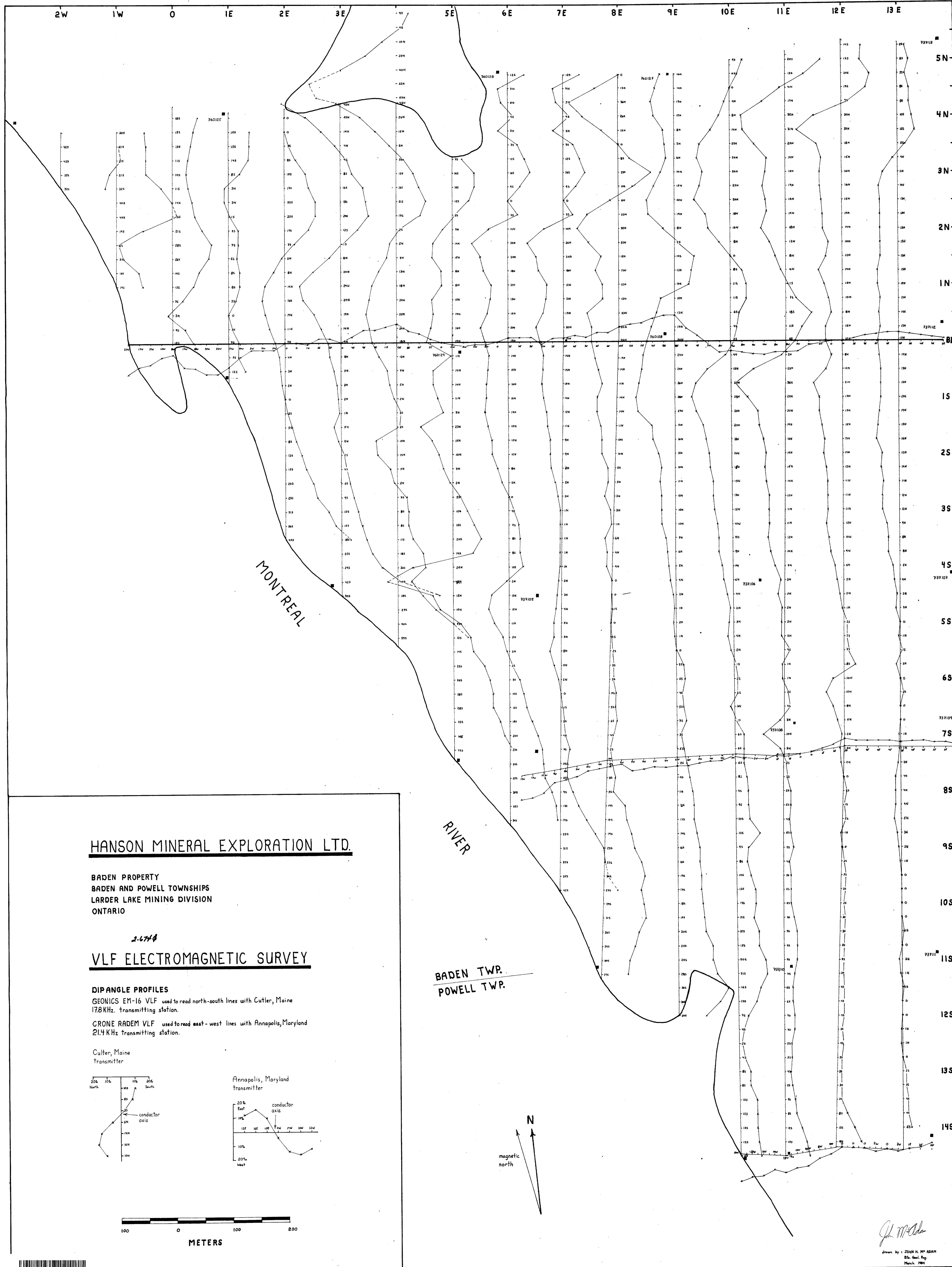
- 0 - 10 UNITS
- 10 - 20 UNITS
- 20 - 30 UNITS
- > 30 UNITS

Instrument: Geonics EM-16 VLF
Station: Cutler, Maine 17.8 KHz.



John McAdam
drawn by: JOHN H. Mc ADAM
BSc. Geol. Eng
March 1984





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 BADEN AND POWELL TOWNSHIPS
 LARDER LAKE MINING DIVISION
 ONTARIO

2-6748

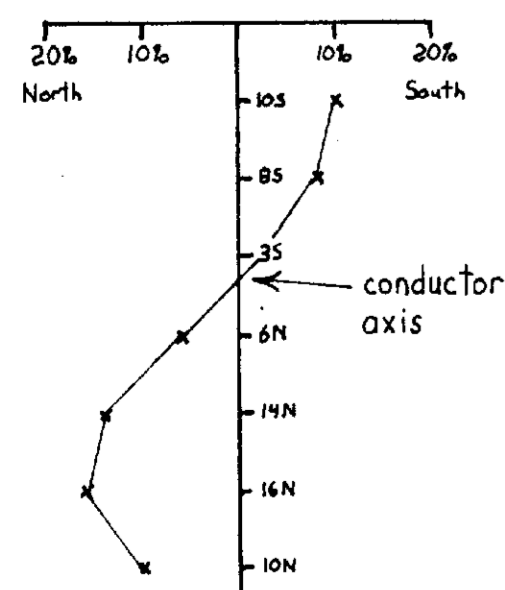
VLF ELECTROMAGNETIC SURVEY

DIP ANGLE PROFILES

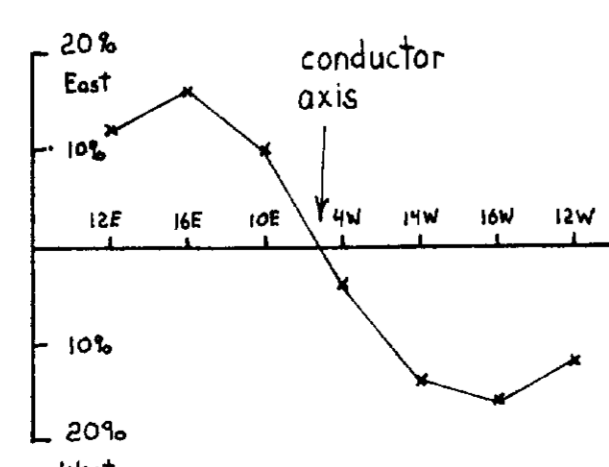
GEONICS EM-16 VLF used to read north-south lines with Cutler, Maine 17.8 KHz. transmitting station.

CRONE RADEM VLF used to read east-west lines with Annapolis, Maryland 21.4 KHz transmitting station.

Cutler, Maine transmitter

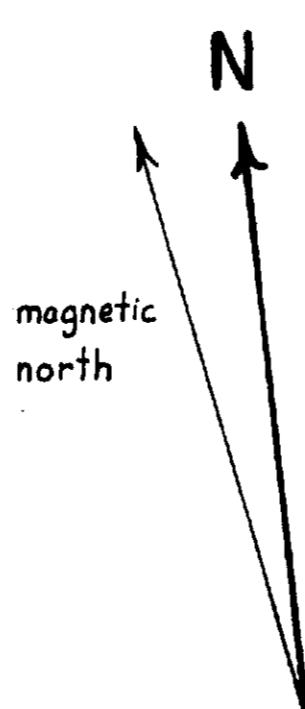


Annapolis, Maryland transmitter



METERS

BADEN TWP.
 POWELL TWP.



J. M. Allen

drawn by J. M. Allen, M.A. AGAM
 855, Queen St. W.
 March, 1984

