REPORT
ON A
HORIZONTAL LOOP ELECTROMAGNETIC SU
ON THE
WALKER TOWNSHIP CLAIMS
2.16272
OF
MERLE S. COSBY

OCT 1995
ST. CATHARINES ONTARIO

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF MAP SHEETS

1.0 INTRODUCTION

DURING THE PERIOD MAY 7 TO 14 1995 A HORIZONTAL LOOP ELECTROMAGNETIC HLEM SURVEY WAS CARRIED OUT ON CUT LINES OF THE WALKER TOWNSHIP CLAIMS (1200338, #1200339. #1140850, #1140851, #1140864 AND #1140865 BELONGING TO MERLE. S. Cosby IN NORTHEASTERN ONTARIO. APPROXIMATELY 8400 LINE-METRES 24.000 LINE FEET) HLEM SURVEYING KNOWN INPUT CONDUCTOR DETECT THE POSSIBLE PRESENCE OF CONDUCTIVE VOLCANOGENIC MASSIVE SULPHIDE MINERLIZATION IN THE BEDROCK UNDERLYING THE CLAIMS

THIS REPORT DESCRIBES THE HLEM SURVEY AND SPECIFICATION, METHODS AND PROCEDURES USED IN THE COLLECTION OF DATA, AND PRESENTS A DISCUSSION AND INTERPRETATION OF THE RESULTS OF THE SURVEY

2.0 LOCATION AND ACESS

THE PROJECT AREA IS LOCATED NEAR THE NORTHERN BOUNDARY OF WALKER TOWNSHIP APPROXIMATELY 10 KM SOUTHEAST OF IROQUO FALLS OR 16 KM NORTH-NORTHWEST OF MATH IN NORTHEASTERN ONTARIO.
ACCESS TO THE GRID IS VIA AN ALL WEATHER RO NORTH FROM MATHESON

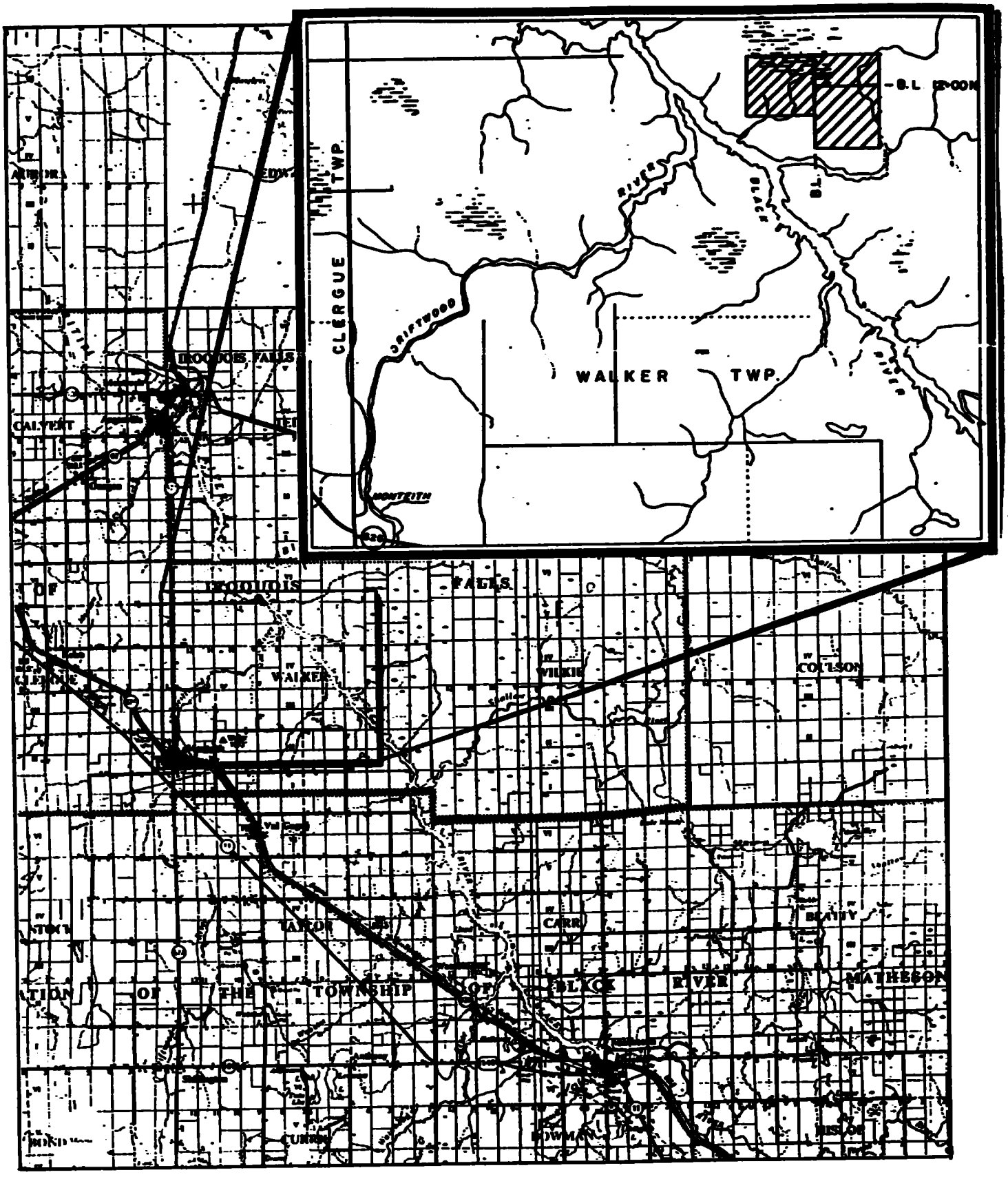


Figure 1: Location of the Merle Cosby Walker Township Claims

3.6 SURVEY DESCRIPTION

3.1 PERSONNEL

THE FOLLOWING PERSONNEL WERE INVOLVED IN THE LINE COTTING AND GEOPHYSICAL SURVEY PROGRAM

M. Cosby	TECHNICIAN
R. Cosby	FIELD ASSISTANT
R. BASEMENT	FIELD ASSISTANT

3.2 THE CREW ARRIVED AT MATHESON IN THE EVENING OF MAY 7/1995. THE FOLLOWING MORNING THEY COMMENCED LINE COTTING AND CHAINING ON THE PROPERTY. FOLLOWING COMPLETION OF LINE CUTTING ON, MAY 11 THE CREW PROCEDED TO COLLECT THE HLEM DATA UNTIL MAY 13 WHEN THE CREW DEMOBILIZED BACK TO ST. CATHARINE ONT MAY 14

THE FIELD WORK MAY BE SUMMARIZED AS FOLLOWS

MAY 7 CREW MOBs TO MATHESON ESTABLISHES BASE IN MATHESON

MAY 7-11 CREWS AND CHAINS SURVELINES

MAY 12 CREW COLLECTS HLEM DATA ON SURVEY LINE
13 CREW COLLECTS HLEM DATA TILL 830 PM
MAY 14 CREW LEAVES MATHESON FOR ST. CATHARI

3.3

LINE CUTTING

A GRID WAS WAS RE-ESTABLISHE USING ORIGINAL BASELINE AND SEVEN CROSSLINES. N. PREVIOUSLY CUT (1994) BOT REQUIRING COMPLETE RECUTTING AND CHAINING BASELI 12+00N METRESWAS RE-ESTABLISHED FROM 0+00 TO 26+00E ALONG WITH THE SEVEN CROSSLINES 120 METRES INTERVALS (0+00 T 24+00E EACH FROM NORTH BOUNDRY OF CLAIMS GROUP. ALL LINES WERE CHAINED AN PICKETED AT INTERVALS OF 25 METRES

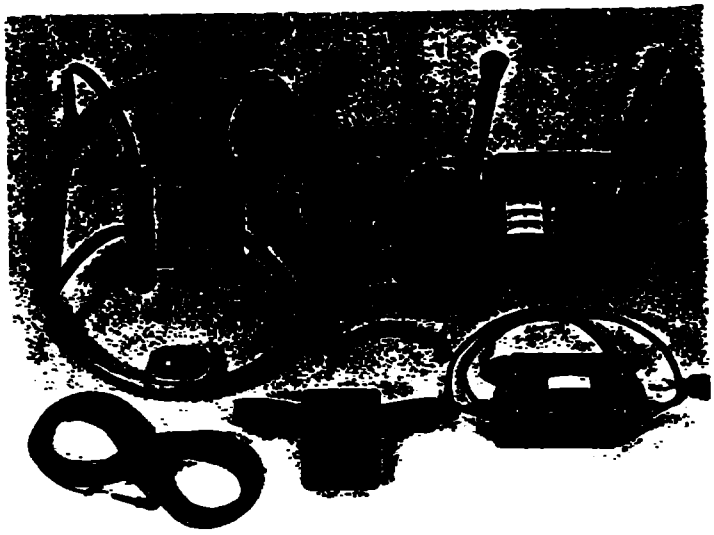
4.0 GEOLOGY

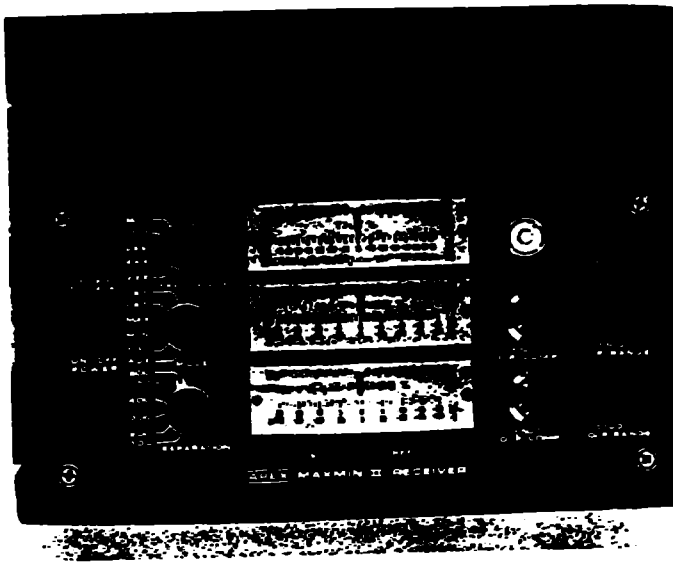
THE COSBY WALKER TOWNSHIP CLAIMS ARE LOCATED IN THE MATHESON - BLACK RIVER AREA OF THE ARCHEAN ABITIBI GREENSTONE BELT. THEIR IS NO OUTCROP ON THE PROPERTY, BUT PRESUMABLY IT LIES NEAR THE CONTACT BETWEEN THE FE RICH METAVOLCANICS OF THE KIDD - MUNRO ASSEMBLAGE AND CALC - ALKALIC METAVOLCANICES OF DUFF - COULSON - RAND ASSEMBLAGE. THE BACKGROUND AEROMAGNETIC LEVEL (GUPTA 19
IN THE VICINITY OF THE PROPERTY IS RELATIVELY HIGH WHICH SUGGESTS THAT THE SURVEY BLOCK LIES JUST WITHIN THE KIDD - MUNRO ASSEMBLAGE. A LARGE AMPLITUDE EAST - TRENDING MAGNETIC FEATU
TYPICAL OF GABBROS AND ULTRAMAFIC LAVA OF THE KIDD - MUNRO ASSEMBLAGE LIES JUST OFF THE SOUTH EDGE OF THE PROPERTY SUPPORTS THIS INTERPRETATION

A BREAK IN THE EAST - TRENDING MAGNETIC FEATURE DESCRIBED ABOVE SUGGESTS A POSSIBLE NORTH - SOUTH FAULT CROSSING THROUGH THE EASTERN PART OF THE PROPERTY.

APPENDIX A

EQUIPMENT SPECIFICATION





SPECIFICATIONS :

Frequencies: 222, 444, 888, 1777 and 3555 Hz.

Modes of Operation:
- MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with refer. cable.
- MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.
- V.L. : Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

Coil Separations: 25, 50, 100, 150, 200 & 250 m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIIF).
Coil separations in V.L. mode not restricted to fixed values.

Parameters Read:
- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
- Tilt-angle of the total field in V.L. mode.

Readouts:
- Automatic, direct readout on 90 mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
- Tilt angle and null in 90 mm edgewise meters in V.L. mode.

Scale Ranges:

NOW ALSO ±4% QUADRATURE FULL SCALE.

In-Phase:	±20%, ±100% by push-button switch.
Quadrature:	±20%, ±100% by push-button switch.
Tilt:	±75% slope.
Null (V.L.):	Sensitivity adjustable by separation switch.

Readability: In-Phase and Quadrature: 0.25% to 0.5% ; Tilt: 1%.

Repeatability: ±0.25% to ±1% normally, depend on conditions, frequencies and separation used.

Transmitter Output:
- 222 Hz : 220 Atm^2
- 444 Hz : 200 Atm^2
- 888 Hz : 120 Atm^2
- 1777 Hz : 60 Atm^2
- 3555 Hz : 30 Atm^2

Receiver Batteries: 9V trans. radio type batteries Life: approx. 35 hrs. continuous ty (alkaline, 0.5 Ah), less in weather.

Transmitter Batteries: 12V 6 Ah Gel-type recharge battery. (Charger suppl

Reference Cable: Light weight 2-conductor te cable for minimum friction. Unr ed. All reference cables opt at extra cost. Please spe

Voice Link: Built-in intercom system voice communication betwee ceiver and transmitter opera In MAX and MIN modes, vi ference cable.

Indicator Lights: Built-in signal and reference ing lights to indicate erron readings.

Temperature Range: -40°C to +60°C (-40°F to +14

Receiver Weight: 8kg (13 lbs.)

Transmitter Weight: 13kg (29 lbs.)

Shipping Weight: Typically 80kg (135 lbs.), de ing on quantities of refer cable and batteries incl Shipped in two field/shipping

Specifications subject to change without notific

APEX PARAMETRICS LIMITED
BOX 818, R.R. NO.1, UXBRIDGE, ONTARIO, CANADA L0C

Phone: (416) 640-6102 852-5875 Cables: APEXPARA TORONTO Telex 06-966625 APEXPARA

APEX MAXMIN II PORTABLE EM

- Five frequencies: 222, 444, 888, 1777 and 3555 Hz.
- Maximum coupled (horizontal-loop) operation with reference cable.
- Minimum coupled operation with reference cable.
- Vertical-loop operation without reference cable.
- Coil separations: 25, 50, 100, 150, 200 and 250 m (with cable) or 100, 200, 300, 400, 600 and 800 ft.
- Reliable data from depths of up to 180 m (600 ft).
- Built-in voice communication circuitry with cable.
- Tilt meters to control coil orientation.

APEX MAXMIN COMPUTER MMC

- The MMC interfaces with MaxMin EM System receivers for digital data processing, display, storage and transfer, enhancing survey productivity and data accuracy.

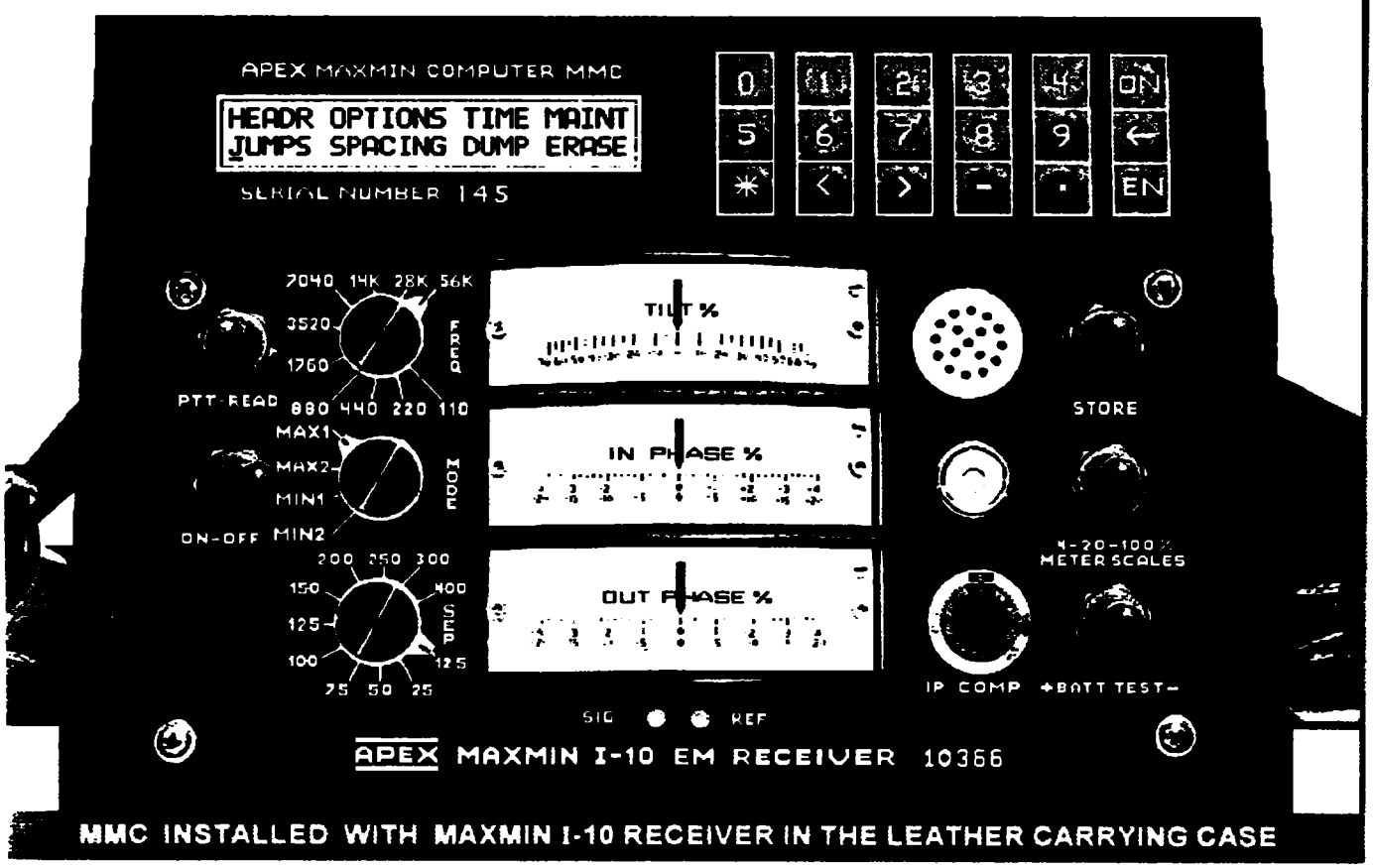
- Digital display and logging of in-phase (real) and quadrature (imaginary) readings with standard deviations, the corresponding apparent ground conductivity values, line, station, terrain slope and coil tilt information.

- Easy fingertip operation by read and store switches on MaxMin receiver front panel, with digital averaging for improved signal to noise ratio.

- Rough terrain surveys are simplified with the use of built-in tilt meter, slope entry and computed coil orientation and separation information.

- Data transfer, formatting, correction and viewing programs are supplied for personal computers. Program for computing multi-frequency best-fit apparent conductivities and fit errors is provided.

- Data interpretation and presentation programs are available for multi-layer parametric or geometric soundings and discrete conductor surveys done with MaxMin EM.



MMC INSTALLED WITH MAXMIN I-10 RECEIVER IN THE LEATHER CARRYING CASE

MAXMIN COMPUTER MMC SPECIFICATIONS:

OPERATING SYSTEM:	Menu driven user-friendly hierarchial operating system, interfacing with MaxMin EM System receiver and with personal computers.
DISPLAY:	Liquid Crystal Display, with two lines of 24 alphanumeric characters each.
KEYBOARD:	18 tactile pushbutton keys
BEEPER:	To provide audible operator guidance and to speed up operations, especially in very cold weather.
CLOCK CALENDAR:	Date and Time (year, month, day, hour and minute)
COIL TILT:	Tilt display, with built in tilt sensor and circuitry, with 0±99% grade range and with 1% resolution
IN-PHASE & QUADRATURE:	0±199.9% autoranging programmable gain system with 0.1% resolution for displayed data and 0.01% resolution for stored data
APPARENT CONDUCTIVITY:	0.1 to 3276 milliSiemens (millimho) per metre available conductivity range, with conductivity arrived at using the quadrature, in-phase, frequency and coil separation data
PROCESSOR:	16 bit low power CMOS CPU and bus at 6 MHz clock rate
MEMORY:	ROM: 16 Kb, expandable to 64 Kb RAM: 256 Kb, static CMOS
PHYSICAL SIZE:	24.2 x 17.3 x 4.3 cm, to fit inside MaxMin receiver leather case notebook pocket.
WEIGHT:	1.0 Kilogram
BATTERIES:	Two 9 Volt- 0.57 Ampere-hour alkaline batteries. Battery life 28 hours continuous duty, less in cold weather. Optional 1.2 Ah lithium batteries recommended for very cold weather operation. One lithium 3 Volt back-up battery, type 2032.
CONNECTIONS:	19 pin bayonet connector receptacle to connect to MaxMin receiver with the supplied aluminum tube connectors. One each of DB25S and DB9S data transfer cords supplied for downloading data to personal computer serial port.
TEMPERATURE RANGE:	Minus 30 to plus 60 degree Celsius. Temperature sensor and temperature display built-in.

Specifications subject to changes without notification

1993-10-04

Telephone: (1) 905 852 5875 Facsimile: (1) 905 852 9688

APEX PARAMETRICS LIMITED

P. O. Box 818, Uxbridge, Ontario, Canada L9P 1N2

Airport: Toronto International

REFERENCE

GUPTA, VK, 1991 SHADED IMAGE OF TOTAL MAGNETIC FIELD OF ONTARIO EAST-CENTRAL SHEET. ONTARIO GEOLOGICAL SURVEY, MAP 2586 SCALE 1: 1,000,000

O.G.S. 1984 AIRBORNE ELECTROMAGNETIC AND TOTAL MAGNETIC INTENSITY MAGNETIC SURVEY MATHESON - BLACK RIVER WALKER TOWNSHIP DISTRICT OF COCHRANE: BY QUESTOR SURVEYS LTD FOR THE ONTARIO GEOLOGICAL SURVEY MAP 80673 GEOPHYSICAL/GEOCHEMICAL SERIES SCALE: 1:20000 SURVEY AND COMPILATION MARCH TO JULY 1983

LOGISTICS AND INTERPRETATION REPORT

ON A HLEM SURVEY

CONDUCTED BY MR. MERLE COSBY

ON THE

WALKER TWP. PROPERTY

Submitted by: R.J. Meikle
Rayan Exploration Ltd.

INTRODUCTION

The following is a brief logistics and interpretation report for the work conducted on the Walker Township property, as requested by M. Cosby. It will deal with the HLEM survey carried out by Mr. Cosby, and will be included within the scope of a complete assessment report to be submitted by him at a later date.

WORK PROGRAM

The work program carried out on the Walker Township Property by Mr. Cosby took the form of a HLEM survey. A brief description of the instrument and the parameters used can be found below.

HORIZONTAL LOOP EM SURVEY

The Horizontal Loop EM survey was carried out with an Apex Max-Min II instrument. These surveys are commonly called "Max-Min" surveys in recent times.

The Max-Min II instrument can operate at five frequencies (3555HZ, 1777HZ, 888HZ, 444HZ, 222HZ)., and is capable of coil separations from 25 meters to 200 meters. Although it can be used in the vertical loop mode as well as minimum coupled, it is most often used in the Maximum Coupled, Co-Planer mode which is in effect a Horizontal Loop Electromagnetic Survey.

The instrument records the "In-Phase" and "Out-of-Phase" components of the anomalous resultant field from a conductor as a percentage of the primary field strength. Both components are used in the interpretation of the results. Generally, the larger the ratio of peak negative responses between In-Phase and Out-of-Phase, the higher the conductivity of the anomaly. A ratio of 1:1 is considered a medium conductor.

The purpose of reading more than one frequency is to obtain more information about the conductor itself as well as the conductivity of the overburden etc. The higher frequencies will respond to weaker conductive features such as faults, conductive overburden etc. As a result the signal from these frequencies can attenuate very quickly, possibly not penetrating to the bedrock at all. The lower frequencies having a longer wavelength tend to penetrate deeper and generally only respond to anomalies with a higher order of conductance,. Thus as with most geophysical techniques it is a trade off as to depth of penetration vs. conductance threshold detectable. The use of multi frequency surveys helps to alleviate this problem at a minimal extra cost.

The Max-Min survey was carried out using an Apex Max-Min II instrument reading 3555HZ, 888HZ, and 222HZ with a constant coil spacing of 150 meters. The Maximum Coupled mode was employed with the coils co-planer. A reading interval of 25 meters was used. An inclinometer was used to determine differences in elevation and recorded in a data logger as well as the data. The in-phase readings were corrected for topographic effects using the data logger.

Rayan Exploration Ltd. was provided with the data on diskette and processed and plotted from same.

HLEM SURVEY RESULTS

The HLEM Survey results appear to be relatively noisy, especially on the higher frequencies. This is probably due to conductive clay known to underlay much of the grid and or topographic effects influencing the in-phase component.

Many of the readings appear to be abnormally high and do not fit in with the rest of the survey. There may have been some problem with the data logger or the way in which the data was recorded and corrected.

While there are several infections in the data, there does appear to be a legitimate conductive response on L0w/400s and L400w/575s. They are labelled 'A' and 'B' but may be the same conductor.

If after the results of this survey are correlated with all other information available on the property, the client feels that these two conductive responses warrant further work, they could be drill tested and or surveyed with a Time Domain EM system which should provide better resolution in the above mentioned conductive clay overburden.

CERTIFICATION

I, Raymond Joseph Meikle of Timmins, Ontario hereby certify that:

1. I hold a three year Technologist Diploma from the Haileybury School of Mines, Haileybury, Ontario, obtained in May 1975.

2. I have been practising my profession since 1973 in Ontario, Quebec, Nova Scotia, New Brunswick, Newfoundland, NWT, Manitoba, Germany and Chile.

3. I have been employed directly with Teck Corporation, Metallgessellschaft Canada Ltd. Sabina Industries, .S. Middleton Exploration Services Ltd., self employed 1979-1985 (Rayan Exploration Ltd.) and currently with Rayan Exploration Ltd.

4. I have based conclusions and recommendations contained in this report on knowledge of the area, my previous experience and on the results of the field work conducted on the property by Mr. Cosby, during 1995.

5. I hold no interest, directly or indirectly in this property, nor do I expect to receive any interest or considerations from the property other than professional fees for services rendered.

Dated this 19th day of Oct., 1995
at Timmins, Ontario.

R.J. Meikle

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9580.00747

Res. - Kirkland Lake

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16272

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for requi Recorder.
- A separate copy of this form must be completed
- Technical reports and maps must accompany thi
- A sketch, showing the claims the work is assigne

42A10NE0028 2.16272 WALKER

900

Recorded Holder(s): MERLE S Cosby	Client No.: 121174
Address: 13 WINDERMERE RD ST.CATHARINES ONT L2T3W1	Telephone No.: 905.684.7953
Mining Division: Larder Lake	Township/Area: Walker twp
	M or G Plan No.:
Dates Work Performed — From: May 7/14/95 mc	To: May 7/14/95 mc

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	HORIZONAL LOOP ELECTRICMAGNETIC SURVEY
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

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NOV 23 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 4971. ~~4971.00~~ mc

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
M. Cosby	13 WINDERMERE RD ST CATHARINES ONT
R. Cosby	6 CHERWOOD ST. " " "
R. BASEMENT	NIAGARA FALLS ONT

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

	Date	Recorded Holder or Agent (Signature)
I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	~~OCT 30/95~~ May 7/14/95 mc	Merle Cosby

Certification of Work Report

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

Name and Address of Person Certifying		
MERLE S Cosby 13 WINDERMERE RD ST.CATHARINES ONT		
Telepone No.: 905.684.7953	Date: OCT 30/95	Certified By (Signature): Merle Cosby

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$4971	Nov. 3/95 dm	acting	RECEIVED LARDER LAKE MINING DIVISION NOV 3 1995
	Deemed Approval Date: Feb 1/96	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
Jan 5/96	1200338	1	829 526 mc	829 526 mc		
"	1200339	1	829 526 mc	829 526 mc		
Sept 96	1140850	1	829 526 mc	829 526 mc		
	1140851	1	829 526 mc	829 526 mc		
and "	1140854	1	829 526 mc	829 526 mc		
"	1140855	1	826 526 mc	826 526 mc		
Total Number of Claims	6	6	4971	4971		0
			Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature: Merle Cooley	Date: Nov 1/95

241 (03/91)

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9680.00747

2.1622

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7284.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7284.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	Jan Bach Richard	
	Field Supervision Supervision sur le terrain	Don Burnett	500
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type		
			4971.17
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
		Total Direct Costs Total des coûts directs	4971.17

4971

2. Indirect Costs/Coûts indirects

** Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
		Sub Total of Indirect Costs Total partiel des coûts indirects	
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)	Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)		4971

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NOV 23 1995
MINING LANDS BRANCH

RECEIVED
NOV 23 1995

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

MINING LANDS BRANCH

Filing Discounts

Remises pour dépôt

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
× 0.50 =	

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.

2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Évaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as Merle L Cosley (Recorded Holder, Agent, Position in Company) I am authorized

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ (titulaire enregistré, représentant, poste occupé dans la compagnie) je suis autorisé

à faire cette attestation.

Signature	Date
Merle L Cosley	Nov 1/95

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

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

Telephone: (705) 670-5853
Fax: (705) 670-5863

April 03, 1996

Our File: 2.16272
Transaction #: W9580.00747

Mining Recorder
Ministry of Northern Development & Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS L.1200338 ET AL IN WALKER TOWNSHIP

The 45 days specified in the Notice of Credit Reduction have passed.

Assessment work credits have been approved as outlined on the attached credit form. The credits have been approved under Section 14, Geophysics (EM), Mining Act Regulations.

The approval date is April 2, 1996.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5858.

Yours Sincerely,
ORIGINAL SIGNED BY:

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

LJ/jl
Enclosure:

cc: Resident Geologist
Kirkland Lake, Ontario

Assessment Files Library
Sudbury, Ontario

ASSESSMENT WORK PERFORMED ON CLAIMS

APRIL 03, 1996
FILE NUMBER: 2.16272
TRANSACTION NUMBER: W9580.00747

CLAIM	VALUE OF WORK DONE ON THIS CLAIM
L.1200338	694
1200339	694
1140850	694
1140851	694
1140854	694
1140855	693
	4163

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

NOTE

4.0 SURFACE RIGHTS RESERVATION AROUND ALL LAKES AND RIVERS

L.O. 81472 ISSUED FOR FLOODING RIGHTS ALONG THE SHORES OF ABITIBI BLACK RIVER AND DRIFTWOOD RIVER

PENDING SURFACE RIGHTS APPLICATION

--- ABITIBI DE TROYES PROVINCIAL PARK

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.

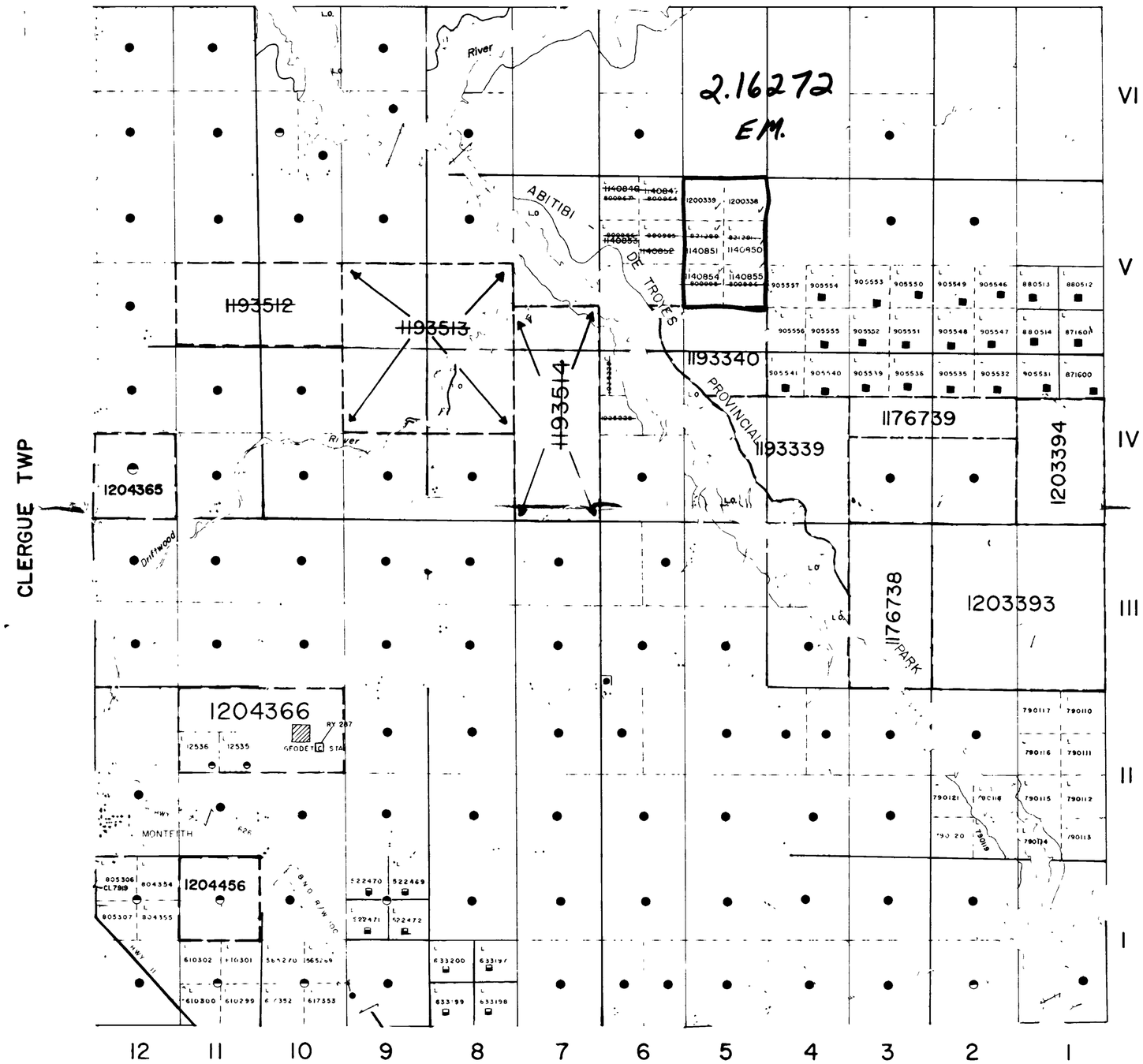
NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE WATABEAG MANAGEMENT UNIT

AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT PO BOX 129
SWASTIKA, ONT
POK 1TO
705-642-3222

Surface Rights Withdrawn under Sec 36.
The Mining Act R.S.O. 980 ORDER NO. W-01/91/ONT
(Trans Canada Pipeline Right of Way and Buffer
Zone particularly 40.25 meters or 132 ft on either side of centre line of right of way)

TEEFY TWP



COPY OF THIS G-PLAN WAS ARCHIVED ON MAY 17/93

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 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	▤
LICENCE OF OCCUPATION	▼
ORDER IN COUNCIL	OC
RESERVATION	(R)
CANCELLED	(X)
SAND & GRAVEL	(S)

SCALE 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 1 KM 2 KM

2.16272

CIRCULATED FEB. 26, 1990

DATE OF ISSUE
NOV 3 1995
LARDER LAKE MINING RECORDER'S OFFICE

WALKER

COCHRANE

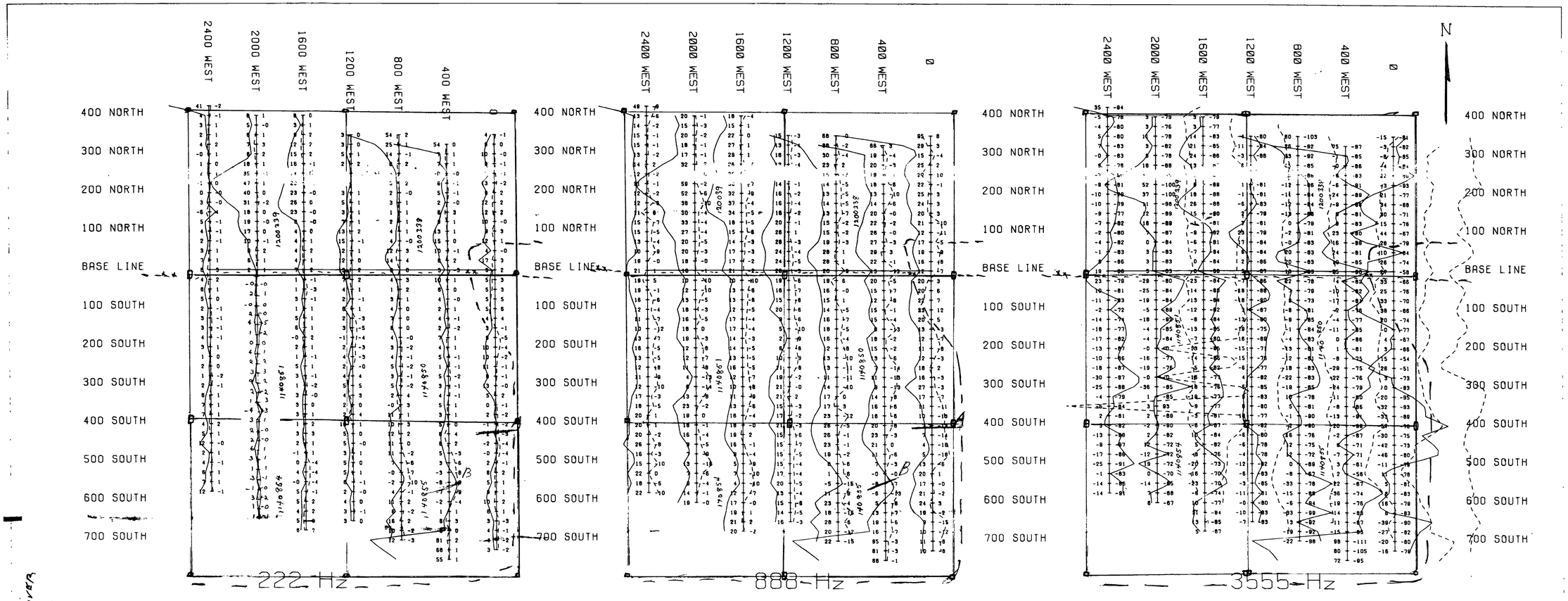
RECEIVED
NOV 28 1995
MINING LANDS BRANCH

LARDER LAKE

COCHRANE

DECEMBER 1991

G-3584



COSBY "WALKER TWP." PROPERTY

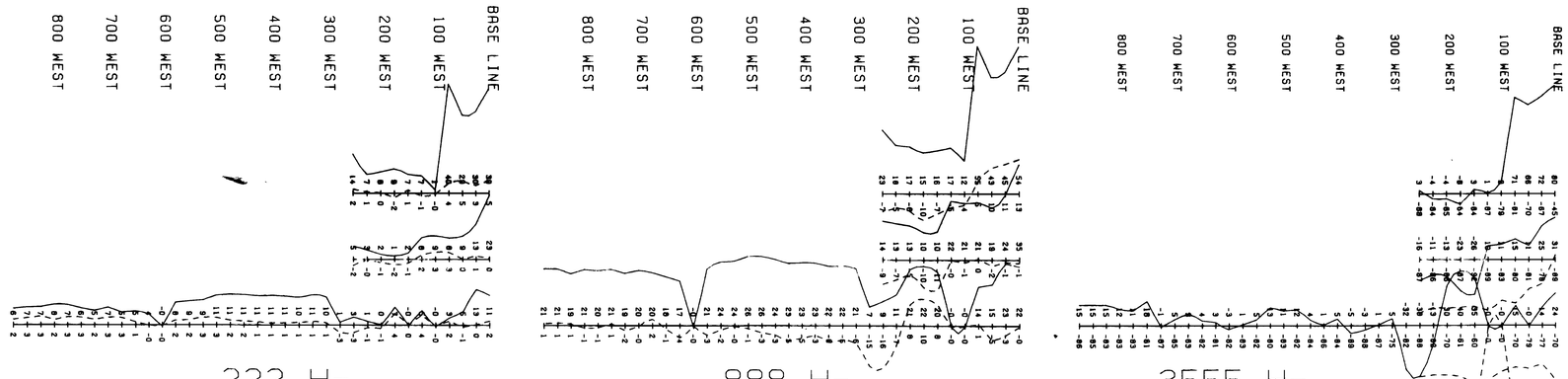
N/S HLEM SURVEY - 150 METER COIL SEP. PRELIM MAP

BEACH RIVER

2.16272 MAP 1

CULVERT
CREEK
ROAD GRAVEL
CLAIM LINE
CLAIM POST
CONC LOT
M. Cosby

RECEIVED
NOV 23 1995
MINING LANDS BRANCH



COSBY E/W HLEM SURVEY - 150 M COIL SEP.

PRELIM MAP 1:5000