



42H08NE0051 2.9876 NEWMAN

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REPORT ON THE GEOPHYSICAL SURVEYS  
MIKWAM RIVER PROPERTY,  
NEWMAN AND TOMLINSON TOWNSHIPS, ONTARIO  
NTS 42 H/8  
FOR CHESBAR RESOURCES INC.

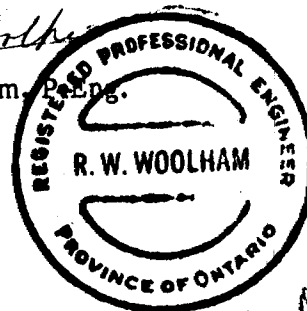
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**MINING LANDS SECTION**

DERRY, MICHENER, BOOTH & WAHL

*R. W. Woolham*  
R. W. Woolham, P. Eng.



*Just  
63.1718*

Ref: 87-15

February 25, 1987  
Toronto, Canada

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## SUMMARY

Geophysical surveys, consisting of 142 line km of magnetometer survey and 124 line km of electromagnetic survey, have been performed on the Mikwam River property. The work was designed to identify a possibly auriferous volcano-sedimentary iron formation/conductive horizon, which has a strike length of 4.5 km within the property boundaries.

The surveys identified two probable iron formation horizons (Zones E and F) trending east-west across the south portion of the property. Paralleling Zone E at the east end, approximately 300 m to the north, is a magnetic-conductive horizon (Zones D and DD). Other shorter, less continuous, conductive horizons, with paralleling or coincident magnetic associations, occur north of the main conductive trend (A, B and C). Two of the conductive zones were tested previously in 1967 and 1976 in three diamond drill holes at the extreme east end of the property.

There are three crosscutting magnetic anomalies on the west third of the property thought to represent diabase dyke sources, which are ubiquitous throughout the Shield greenstone belts. Numerous magnetic and electromagnetic trend displacements and interruptions have been interpreted to indicate fold/fault breaks. A total of 14 such structures have been identified on an interpretation compilation map. Four of these structures represent major crosscutting features.

It is recommended that the main through-going conductor thought to mark the volcano-sedimentary transition zone be investigated further, especially where major crosscutting fold/fault breaks are present. At the present time, a major program of reverse circulation overburden drilling designed to sample the basal till layer, down-ice from this horizon is in progress.

Zone D and DD at the east end of the property are also recommended for investigation as well as the remaining conductive-magnetic zones which all have potential for base and precious metal mineralization.

## INTRODUCTION

This report, prepared by Derry, Michener, Booth & Wahl for Chesbar Resources Inc., describes the results of geophysical surveys completed on the Mikwam River property, Newman and Tomlinson townships, Province of Ontario. A volcano-sedimentary contact horizon having potential for gold mineralization was identified from regional geological and airborne geophysical information, as well as local ground surveys and drilling results performed in previous years. The horizon trends through the claim group. The ground geophysical survey program was designed to delineate the horizon of interest more accurately and to facilitate the planning of a bedrock sediment sampling program.

The surveys utilized the magnetic and electromagnetic method. The magnetic and electromagnetic surveys were performed by Walker Exploration Ltd. Mr. F. Sharpley, a geological consultant, was in charge of the overall exploration program and consulted with the author regarding survey specifications prior to the beginning of the survey. The surveys were conducted during the period December 8th to December 21st, 1986.

## PROPERTY, LOCATION AND ACCESS

The property is located 80 km northeast of Cochrane, Ontario and straddles the Newman-Tomlinson township line. It is 48 km north of Lake Abitibi and 30 km west of the Ontario-Quebec border. The Cochrane-Detour highway passes the area approximately 20 km to the northwest. The area is accessible by helicopter from Cochrane. A location map is shown on the claim and survey line maps (87-15-15 to 17).

### PROPERTY DESCRIPTION

The property consists of 71 contiguous claims held by Grandad Resources Ltd. and Seal River Explorations Ltd. as shown in Figure 1 and numbered as follows:

<u>Claim Number</u>	<u>No. of Claims</u>
L800080 to L800103 inclusive	24
L801915 to L801920 inclusive	6
L801922 to L801927 inclusive	6
L801929 to L801934 inclusive	6
L858240 to L858268 inclusive	<u>29</u>
	Total <u>71</u>

The claims form the east part of a larger group totalling 136 contiguous claims. The property was optioned to Chesbar Resources Inc. who can earn an interest by incurring exploration expenditures on the claims.

The claims lie in the James Bay Lowlands which are characterized by low-lying swampy spruce-covered areas. There is very little outcrop exposure in the area.

### EXPLORATION HISTORY

Geophysical surveys and drilling were completed by Texas Gulf, 1967 (2 holes for 181 m), Dome Exploration Ltd., 1975 (2 holes for 209 m) and Teck Corporation, 1976 (1 hole for 107 m). The Texas Gulf and Teck drill holes tested two separate conductive horizons on the extreme eastern part of the claim group while the Dome drill holes tested similiar targets just west of the western boundary of the property (Figure 1). These exploration programs were designed to explore for massive base metal sulphide deposits.

In 1985 Grandad Resources Inc. contracted for an airborne, electromagnetic and magnetic survey by Terraquest Ltd. This survey covered the claim area and environs.



## GEOLOGY AND MINERALIZATION

The property lies within the central Abitibi Greenstone Belt, which stretches from Chibougamau, Quebec to Timmins, Ontario, a distance of 500 m. The belt is a major feature of the Superior structural Province of the Canadian Shield. The rocks consist of volcanics, volcano-sedimentary assemblages and basic and felsic intrusives, all cut by diabase dykes.

The claim group is located within a volcano/sedimentary contact zone. Outcrop is sparse to nonexistent, but the boreholes in the area provide some information on the underlying bedrock. Just west of the west boundary of the property, one hole intersected 35 m of pyritic dacite tuff containing trace to .005 oz. Au per ton. This section was at the interface between intermediate to basic volcanics and graphitic sediments. A second hole to the north intersected felsic to intermediate tuff. These two holes were drilled by Dome Exploration Ltd. On the eastern end of the property, the Teck and Texas Gulf diamond drill holes intersected felsic to intermediate tuff with disseminated to massive pyrite and some pyrrhotite. The Texas Gulf holes which are south of the Teck hole also intersected graphitic tuff and graphitic argillites intercalated with the volcanics.

## SURVEY PARAMETERS AND PRESENTATION

### Magnetic Survey

EDA PPM 300 and 500 total field proton magnetometers were used for the survey. These instruments are microprocessor controlled and can be programmed to automatically record the station location, time and magnetic value. Magnetic diurnal variations were monitored by a EDA PPM 400 magnetic base station. Instrument specifications are contained in Appendix I. Readings were taken along grid lines spaced 100 m apart at 12.5 m station intervals. In all 142 line km of data were recorded and stored automatically for a total of 11,412 readings.

Diurnal corrections to the magnetic field values recorded were automatically calculated by the microprocessor controlled base station recorder

prior to storing the field data into a data storage device at the end of each day's data collection.

Subsequently, office compilation by Walker Exploration Ltd. consisted of editing of the data and loading of the data values into an automatic plotting device. A regional value of 58,000 nanotesla (nT) was subtracted from all the corrected magnetic values. Using modified software by GEOSOFT, survey maps of magnetic values and contour maps, at an interval of 25 nT, were generated at a scale of 1:5,000 with appropriate title and legend (see maps 87-15-1 to 6 inclusive).

#### Electromagnetic Survey

The electromagnetic instrument was an Apex Parametrics Ltd. Max-Min II unit modified with the RAUTARUUKKI OY Model KTP-84 microprocessor controlled automatic data collection system. Similar to the magnetic survey unit, this data collection instrument is microprocessor controlled and can be programmed to automatically record the station location in addition to the in-phase and quadrature components in tenths of a percent. Instrument specifications are contained in Appendix I. A coil spacing of 150 m was used for the survey with a station reading interval of 25 m. Survey lines were 100 m apart. Accurate leveling of the coils was monitored at each station and correct coil distance was maintained using the picket line chainages. The in-phase and quadrature readings at frequencies of 888 Hz and 3555 Hz were recorded at each station. A total of 124 line km of two frequency data or about 20,000 total readings were collected on the property.

Subsequently, office compilation by Walker Exploration Ltd. consisted of editing of the data and automatic entry of the data values into their plotting system. Using modified software by GEOSOFT, survey maps of in-phase and quadrature values and profiles, at a scale of 1 cm = 20% were generated at a map scale of 1:5,000 with appropriate title and legend (see maps 87-15-7 to 12 inclusive).



## RESULTS

### Magnetic Survey (Maps 87-15-4 to 6 inclusive)

The regional magnetic background is approximately 58,950 nT being lower, by about 100 nT, in the extreme western part of the grid. The major magnetic features of the area are two sinuous, consistent, narrow magnetic linear anomalies having amplitudes ranging from a few hundred nT to as high as 14,000 nT above background. These horizons trend east-west across the southern quarter of the eastern two-thirds of the survey grid. The most southern horizon, which has the highest amplitude response and is not completely delineated by the grid coverage, is about 400 m south of the northern anomaly. The contour patterns pinch and swell along the length of the anomalies as the amplitude response of the horizons decreases and increases. Both horizons are associated with major conductive zones as will be discussed in the next section on the electromagnetic results.

The second type of obvious magnetic features are two north-south linear zones located at approximately line 47E and line 65E. They are from about 100 nT to 400 nT above background.

The rest of the survey area is characterized by short 200 to 800 m narrow linears trending in a general east-west direction. They tend to be erratically distributed throughout the area, being most prominent in the east and west parts of the grid. In spite of the apparent discontinuity of the linear trends because of anomaly interruptions and displacements, some of the linears when traced along strike form a zone or horizon up to 2 km long. In four locations these magnetic linears are associated or coincident with short conductive zones as discussed in the next section.

### Electromagnetic Survey (Maps 87-15-7 to 12 inclusive)

The horizontal loop responses from conductive sources on the property all have common properties of narrow width, medium to good conductivity width values of 10 to over 70 mhos, and east-west linear trend directions across the grid. Estimated depth to source values are slightly higher for the lower frequency

data than the higher frequency data indicating possible conductor width effects. Table 1 lists the depth estimates using a Phasor diagram for conductors on alternate lines. Note that the extreme eastern end of the survey area, from about 95E has a thin overburden cover. The background quadrature value is generally zero throughout the area for the lower frequency data. Conducting overburden effects make it difficult to determine the background for the higher frequency data. The background in-phase value varies from area to area between +1 and -3 for the lower frequencies and 0 to +6 for the higher frequencies.

The main conductors are two major horizons in the south part of the grid which are coincident, or flank, the two major magnetic horizons discussed previously. The widths of the conductors are variable with the wider conductor indications occurring in the east part of the zones. Characteristics of these wide response areas suggest that several conductive parallel sources are present. Small anomaly trend displacements are present in a few locations along their strike length.

In addition to the main conductive zones, there are several good conductivity, narrow conductors which occur as either one line anomalies or have line to line continuity over several hundred meters. All but one of the conductive zones have associated magnetic responses. Two of these conductors occur in the east part of the grid east of line 94E parallel to and about 300 m north of the main conductive horizon described previously. The remaining conductors occur in the west third of the narrower part of the grid.

Table 1

Depth Estimates Using Phasor Diagram

<u>Line</u>	<u>Station</u>	<u>Depth to Conductive Source (Meters)</u>		<u>Estimated Depth Maximum Meters</u>
		<u>888 Hz</u>	<u>3555 Hz</u>	
45E	325N	40	20	35
45E	510N	55	40	50
47E	330N	40	40	40
65E	530S	75	60	70
69E	540S	70	45	60
71E	475S	35	20	30
73E	525S	40	40	40
75E	575S	35	35	35
77E	615S	50	45	50
79E	650S	40	35	40
81E	670S	30	25	30
83E	720S	25	15	25
85E	725S	20	15	20
87E	750S	30	25	30
89E	700S	20	20	20
91E	725S	20	15	20
93E	725S	20	20	20
95E	725S	15	less than 15	15
97E	725S	20	less than 15	20
99E	675S	less than 15	less than 15	less than 15
101E	700S	less than 15	less than 15	less than 15
103E	720S	less than 15	less than 15	less than 15
105E	700S	25	less than 15	25
106E	675S	15	less than 15	15

CONCLUSIONS

In order to more easily assimilate and discuss the geophysical results, the magnetic and conductive trends have been assembled into an interpretative geophysical compilation as shown on maps 87-15-13 and 14. These maps show the geophysical trends and their interpreted source, where applicable, as well as fold/fault breaks. The latter structures represent an axis along which either folding or faulting may have occurred based on anomaly trend inflections and displacements. The fold/fault structures have been given a number designation prefixed by the letter F and the conductive trends given letter only designations.

The most obvious features on the interpretation map are the two long formational magnetic-conductive zones E and F on the south part of the area.

The western part of Zone F is discontinuous mainly because the zone trends off the south boundary of the claim group and both magnetic and electromagnetic coverage was incomplete. Zones E and F are probably sulphide-bearing iron formation, probably pyrrhotite, as the peak of the magnetic anomaly is generally coincident with the conductive zones. The eastern area of Zones E and F are the most significant as they contain several crosscutting fold/fault structures, F-5, F-6, F-7, F-8 and F-9, as well as a secondary magnetic-conductive horizon designated as Zones D and DD about 300 m north of Zone E. These conductors were no doubt the targets tested by the old Teck and Texas Gulf diamond drill holes. Unfortunately, the exact location of the holes is not known but assessment information suggests that they were drilled in the area of line 103E. The Teck hole appears to have tested conductor DD while the Texas Gulf holes may have cross-sectioned conductor Zone E.

On the west side of the property, conductive zones A, B and C are all associated with fold/fault structures. Just to the north of conductor A, there are three local conductive responses which form a staggered north-south pattern which are cut by structure F-1. These conductors may represent responses from a single, structurely complex, source that cannot be resolved by the geophysics. The magnetic associations suggest that the source of the conductor is pyrrhotite. The Dome diamond drill holes just to the west of this area tested similar geophysical features. Conductor A is approximately on strike with the most southern Dome hole which intersected the transitional volcanic-sedimentary contact.

Conductors B and C were single line, low amplitude conductors, possibly under 60 to 70 m of overburden cover. They may be more extensive because their depths are near the limit of detection of the 150 m coil separation used in the electromagnetic survey. A very weak response on the line to the east of conductor B suggests a longer strike length is probable. Conductor C is associated with a longer low amplitude magnetic horizon just to the south. The location and characteristics of Conductors A and C suggest that they may be on the same horizon as the conductor zones D and DD to the east.

The remaining east-west trending magnetic linears throughout the area are probably related to magnetite and/or pyrrhotite-bearing mafic flows and tuffs. Based on the cross-cutting anomaly characteristics of the ground magnetic patterns as well as the previous, more extensive, aeromagnetic survey results, three features have been interpreted to indicate northerly trending diabase dykes, as shown at the west end of the survey area.

### RECOMMENDATIONS

The favourable volcano-sedimentary contact horizon is probably demarcated by conductive-magnetic Zone E. A basal till sampling reverse circulation drilling program testing the down-ice portion of this horizon is recommended and is presently in progress. The most favourable portion of the horizon is thought to be at the east end of the zone where slightly more complex structures are present.

Although the results of the previous drilling of conductor DD were not encouraging, further testing of this horizon, interpreted to be reflected in conductors A, C and D is recommended. These conductors have base and precious metal potential.

At the east end of the conductive Zone E, overburden thicknesses are interpreted to be shallow. A geochemical sampling program in this area may indicate local areas of gold mineralization.

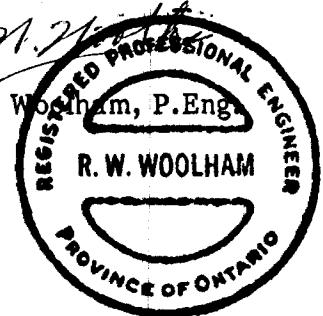
CERTIFICATE OF QUALIFICATION

I, Roderick W. Woolham of the town of Pickering, Province of Ontario, do hereby certify that:-

1. I am a geophysicist and reside at 1463 Fieldlight Blvd., Pickering, Ontario, L1V 2S3.
2. I graduated from the University of Toronto in 1961 with a degree of Bachelor of Applied Science, Engineering Physics, Geophysics Option.
3. I am a member in good standing of the following organizations: The Association of Professional Engineers of the Province of Ontario (Mining Branch); Society of Exploration Geophysicists; South African Geophysical Association.
4. I have been practising my profession for a period of more than 25 years.
5. I am an Associate with Derry, Michener, Booth & Wahl, Consulting Geologists and Engineers.
6. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the properties or securities of Chesbar Resources Inc. or any affiliate.
7. I personally was involved with the technical supervision of the survey and wrote the report.
8. I consent to the use of this report in submissions for assessment credits and for similar regulatory requirements.

Toronto, Ontario  
February 25, 1987

1251.21  
R. W. Woolham, P. Eng.



APPENDIX I  
INSTRUMENT SPECIFICATIONS

# PPM SERIES Portable Magnetometers

# EDA

## General Description

The portable PPM Series magnetometers consist of three standard field units which have a number of common features and specifications. They represent the most advanced application of microprocessor technology, sophisticated software and system design available to date.

Standard features of all units include:

- Improved accuracy.
- Enhanced data reliability and validity.
- Automatic diurnal and reference field correction capability.
- Data recall of stored readings easily accesses total field, time, line, position and error of any previously recorded reading.
- Automatic fine tuning.
- Programmable 24 hour clock.
- 5000nT per metre gradient tolerance.
- Interchangeable sensors.
- Only two simple controls, a keypad and mode switch.
- Custom-designed low temperature LCD which displays field reading, error, time, signal strength and decay rate, battery status and descriptors.
- In-line configuration option eliminates all cables.

- Patent pending signal processing technique.
- Statistical error analysis of signal.
- Keypad with audio feedback.
- Switch selectable test mode to verify subsystem status and system performance.
- Internal lithium battery back-up system to protect status tables, programs and data.
- Constant energy polarization.
- Convenient snap-in power cartridges containing any disposable "C" cells or rechargeable sealed lead acid batteries.
- Operating temperature -35°C to +50°C.
- Rugged custom designed aluminum investment cast case offering complete protection against rain and dust.

## PPM-300 Total Field Magnetometer

This model is the most advanced field magnetometer in the world. The PPM-300 measures the earth's magnetic field to sensitivities of 0.1nT and displays the resulting data on the high visibility LCD. The automatic power-off capability prevents the unnecessary consumption of power.

In addition to providing the total field magnitude and time, it also records on its internal solid state memory, the grid co-ordinates (line and station) and reading error. The non-volatile memory can store 1384 data blocks, eliminating any need to record data manually. Should the operator wish to recall and interrogate the memory for previously stored parameters in any one data block such as the total field, the time the reading was taken, the line and position number and/or the error, he may do so with the data recall feature incorporated into the software. Accumulated data is regularly transferred into either the DCU-400 Thermal Printer or the DCU-200 Magnetic Cassette Recorder. Data may also be fed directly into small desk top computers for other interpretative uses.

Two sensor configurations, as shown here, are available. The in-line sensor attached directly to the electronics console leaves the operator with complete freedom from cables. The remote sensor is recommended for use in dense bush or rugged terrain.

## PPM-400 Base Station Magnetometer

This integral sensor and console package is the first magnetometer specifically designed for base station applications, which include airborne data verification and ground survey corrections. Its unique in-line configuration allows it to be set up above the ground and away from hazards and local magnetic interferences. As with the PPM-300, a remote sensor configuration is also available. Unlike other base station magnetometers which have limited versatility, the PPM-400 is completely programmable through its keypad, and has the ability to perform diurnal and reference field corrections to data collected by the PPM-300. All data is stored internally in a high capacity 2779 data block non-volatile memory which is then either transferred into the DCU-400 or DCU-200. Also unique to this instrument is a "snooze" alarm used to conserve power. In simple terms, the microprocessor acts as an alarm clock and turns power-draining circuits off following each reading and automatically powers up just prior to taking a subsequent reading.







UTER

TIME 1	ERROR 2	FIELD 3	GRAD 4
LINE 5	POS 6	SPACING 7	SPOT REC 8
SUBGRID 9	UPDATE 0	CHANGE ENTER	MAN REC ±
OFF	HEAD	AUTO INC REC	

The PPM Series joins a successful line of advanced instruments and systems used in the fields of geophysics, geochemistry, and environmental monitoring.

field  
ments used  
ents

NOT ACTUAL SIZE

**STANDARD SYSTEMS COMPLEMENT**

- M-300
  - Console with 1384 data block memory
  - Rechargeable Battery Pack
  - Battery Charger
  - Remote Sensor and cable
  - Back Pack

- M-400
  - Console with 2779 data block memory
  - Rechargeable Battery Pack
  - Battery Charger
  - In-line Sensor
  - Tripod
  - 30 m cable

- M-500
  - Console with 1140 data block memory
  - Two Rechargeable Battery Packs
  - Battery Charger
  - Battery Charging Tray
  - Dual In-line Sensor
  - Back Pole
  - Back Pack

**OPTIONS AND ACCESSORIES**

- Additional memory capacity
- Disposable 'C' cell battery pack
- Software interfacing for various small computers

EDA Instruments Inc., Head Office: 1 Thorncliffe Park Drive, Toronto, Canada M4H 1G9  
Telephone: (416) 425 7800, Telex: 06 23222 EDA TOR, Cables: INSTRUMENTS TORONTO

USA, EDA Instruments Inc., 5151 Ward Road, Wheat Ridge, Colorado 80033  
Telephone: (303) 422 9112

PPM Series 1101

# TECHNICAL SPECIFICATION

Size:	24x9x4 cm	Standard software:	* General sophisticated form programs
Weight:	0,9 kg		* Data collection and scan programs
Temperature range:	-30°C - +60°C		* Communication programs for data and form transfer
Construction:	Waterproof and shock-resisting aluminium case		* Computer terminal functions
Operational time:	With one accumulator charge: — normal measuring 10-80 h — automatic measurement controlled by an intern clock as long as 4 months (battery-operated more than one year) — 7 days of memory maintenance with run-down accumulators	Application programs:	* Real time programs * Optimization of power consumption
Technology:	CMOS (processor, RAM, ROM, logics)		* Programs for various ore prospecting equipment (MaxMin slingram, Barringer proton magnetometer, Jalander magnetometer)
RAM memory:	48 kbytes		* Interface programs for customer-specified analog and digital measuring equipment
Display:	32 alphanumerical characters		
Keyboard:	39 keys, waterproof		
Connectors:	Bayonet type designed to MIL-C-26482 (19 contacts)		
Standard interfaces:	* 1 RS-232 C serial (modem, computer, optional printer etc.) * 1 TTL serial (cassette recorder, optional additional memory) * 1 fast 5 decade pulse counter * 4 analog channels * 2 TTL registers for serial data transfer * 8 TTL-inputs * 4 TTL-outputs * 1 recharge connection		



**RAUTARUUKKI OY**

DEVELOPMENT, INSTRUMENTS

P.O. Box 217

SF-90101 OULU

FINLAND

Phone +358 81 227570

Telex 32109 steel sf

APPENDIX II  
TECHNICAL DATA STATEMENT



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) Electromagnetic and Magnetic  
Township or Area Newman and Tomlinson townships  
Claim Holder(s) Grandad Resources Ltd./Seal River Expl. Ltd.  
1104 - 55 Yonge St. Toronto  
Survey Company Walker Exploration Ltd.  
Author of Report R. W. Woolham  
Address of Author 410 - 20 Richmond St. E., Toronto  
Covering Dates of Survey October 1 to December 21, 1986  
(linecutting to office)  
Total <sup>km</sup> ~~Miles~~ of Line Cut 142

**MINING CLAIMS TRAVERSED**  
List numerically

See attached list  
(prefix) (number)

Form with 20 horizontal dotted lines for listing mining claims. At the bottom, a line for 'TOTAL CLAIMS'.

If space insufficient, attach list

<u>SPECIAL PROVISIONS</u>		<u>DAYS</u>
<u>CREDITS REQUESTED</u>		<u>per claim</u>
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	-Electromagnetic	<u>40</u>
	-Magnetometer	<u>20</u>
	-Radiometric	_____
ENTER 20 days for each additional survey using same grid.	-Other	_____
	Geological	_____
	Geochemical	_____

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Feb. 25/87 SIGNATURE: \_\_\_\_\_  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications \_\_\_\_\_

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS \_\_\_\_\_

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Magnetic 11,412 Magnetic 11,412
Number of Stations HLEM 5,012 Number of Readings HLEM 20,048
Station interval Magnetic 12.5 m/EM 25 m Line spacing 100 m
Profile scale EM 1 cm - 20%
Contour interval Magnetic 25 nT

MAGNETIC

Instrument EDA PPM 300 and 500
Accuracy - Scale constant See Appendix I
Diurnal correction method Base Station Recorder
Base Station check-in interval (hours) N.A.
Base Station location and value N.A.

ELECTROMAGNETIC

Instrument APEX MAX-MIN II Horizontal Loop
Coil configuration coplanar
Coil separation 150 m
Accuracy See Appendix I
Method: [ ] Fixed transmitter [ ] Shoot back [ ] In line [ ] Parallel line
Frequency 888 Hz and 3555 Hz (specify V.L.F. station)
Parameters measured in phase and quadrature

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

PROJ	CLAIM	OWNER	COM	TWP	REC'D	ASS-D	D-RQD	APPR.
	L-800080	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800081	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800082	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800083	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800084	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800085	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800086	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800087	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800088	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800089	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800090	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800091	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800092	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800093	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800094	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800095	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800096	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800097	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800098	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800099	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800100	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800101	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800102	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-800103	GR'DAD	AU	TOMLINSON	07/06/84	07/06/87	20	80
	L-801915	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801916	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801917	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801918	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801919	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801920	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801922	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801923	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801924	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801925	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801926	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801927	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801929	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801930	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801931	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801932	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801933	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-801934	GR'DAD	AU	NEWMAN	06/04/84	06/04/87	20	80
	L-858240	B. J. FASKEN	AU	NEWMAN	09/19/85	09/19/87	60	
	L-858241	B. J. FASKEN	AU	NEWMAN	09/19/85	07/31/87	20	
	L-858242	B. J. FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858243	B. J. FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858244	B. J. FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	

PROJ	CLAIM	OWNER	COM	TWP	REC'D	ASS-D	D-RQD	APPR.
	L-858245	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858246	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858247	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858248	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858249	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858250	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858251	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858252	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858253	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858254	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858255	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858256	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858257	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858258	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858259	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858260	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858261	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	
	L-858262	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858263	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858264	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858265	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858266	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858267	B.J.FASKEN	AU	TOMLINSON	09/19/85	09/19/87	60	
	L-858268	B.J.FASKEN	AU	TOMLINSON	09/19/85	07/31/87	20	

8708.111

M



42H08NE0051 2.9878 NEWMAN

900

Type of Survey(s)  
**Electromagnetic and Magnetic**

Claim Holder(s)  
**Seal River Explorations Limited**

Address  
**2372 Sinclair Circle, Burlington, Ontario L7P 3C3**

Survey Company  
**Walker Exploration Limited**

Date of Survey (from & to)  
01 10 86 21 12 86  
Day Mo. Yr. Day Mo. Yr.

Total Miles of line Cut  
**142 km**

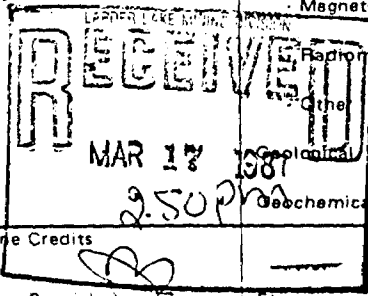
Name and Address of Author (of Geo-Technical report)  
**R. W. Woolham, 20 Richmond St. W., Suite 410, Toronto, Ontario, M5C 2R9**

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

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

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
L	858240		L	858263	
	858241			64	
	42			65	
	43			66	
	44			67	
	45			68	
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				
	61				
	62				



Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures  $\div$  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.

Total number of mining claims covered by this report of work. **29**

For Office Use Only

Total Days Cr. Recorded **1740**

Date Recorded **MAR 17 1987**

Date Approved as Recorded **6 May/87**

Mining Recorder **M. G. Woolham**

Branch Director **[Signature]**

Date **March 16 1987**

Recorded Holder or Agent (Signature) **[Signature]**

Certification Verifying Report of Work

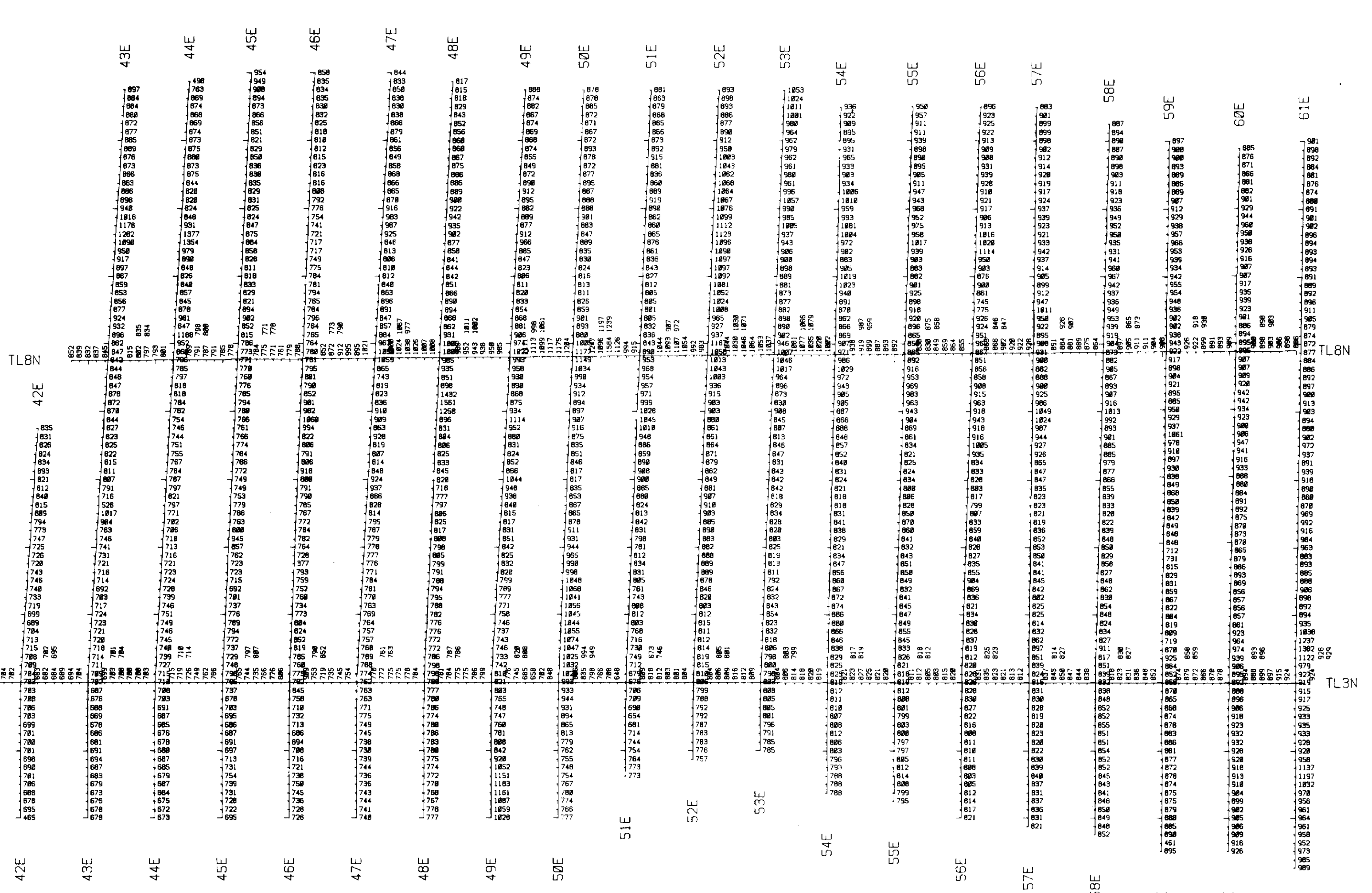
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying  
**F. J. Sharpley, 2372 Sinclair Circle, Burlington, Ontario L7P 3C3**

Date Certified **March 16, 1987**

Certified by (Signature) **[Signature]**





29878

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
**TOTAL FIELD MAGNETIC VALUES**  
 Scale 1 : 5000  
 Compilation and Plotting  
 by  
**WALKER EXPLORATION LTD**  
 Mississauga Ontario.  
 DECEMBER 1986

SURVEY DATA  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - EDA PPM-502  
 Base Station - EDA PPM 402

LEGEND  
 Horse Level = 50002 nT

Sheet # 1A  
 MIKWAM RIVER PROPERTY



200

VTS - 42 - H - B

Mcp No. 87-15-01

*R. J. ...*  
 FEB 15 1987

TL8N	61E	62E	63E	64E	65E	66E	67E	68E	69E	70E	71E	72E	73E	74E	75E	76E	77E	78E	79E	80E	81E	82E	83E	84E	85E	86E	87E	88E	89E	90E	91E	92E	93E	94E	95E	96E	97E	98E	99E	100E	TL8N
TL3N	101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125E	126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	TL3N
BL2N	141E	142E	143E	144E	145E	146E	147E	148E	149E	150E	151E	152E	153E	154E	155E	156E	157E	158E	159E	160E	161E	162E	163E	164E	165E	166E	167E	168E	169E	170E	171E	172E	173E	174E	175E	176E	177E	178E	179E	180E	TL2N
TL10S	181E	182E	183E	184E	185E	186E	187E	188E	189E	190E	191E	192E	193E	194E	195E	196E	197E	198E	199E	200E	201E	202E	203E	204E	205E	206E	207E	208E	209E	210E	211E	212E	213E	214E	215E	216E	217E	218E	219E	220E	TL10S

CHESSBAR RESOURCES INC.

MIKWAM RIVER PROPERTY

NEWMAN AND TOMLINSON TWP. ONTARIO

LARDER LAKE MINING DIVISION

TOTAL FINDER MAGNETIC VALUES

Scale 1 : 1000

Compilation and Plotting

by

WALKER EXPLORATION LTD

Mississauga Ontario.

SURVEY DATA  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - EDA PPM-500  
 Base Station - EDA PPM 488

Base Level = 58002.1

Sheet # 2A

Mikwam River Property



4388888888888 2.5878 NEWMAN

N15 - 42 - H - B

29878

FEB 25 1987

Map No: 87-15-02



86E	87E	88E	89E	90E	91E	92E	93E	94E	95E	96E	97E	98E	99E	100E	101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E		
184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220

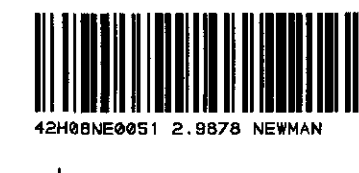
29878

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LADDER LAKE MINING DIVISION  
 TOTAL FIELD MAGNETIC VALUES  
 Compilation and Plotting  
 WALKER EXPLORATION LTD.  
 Mississauga Ontario.  
 DEFENSE 1967

SURVEY DATA  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - EIA PPM-500  
 Base Station - EIA PPM 420

Base Level = 5000 ± ft

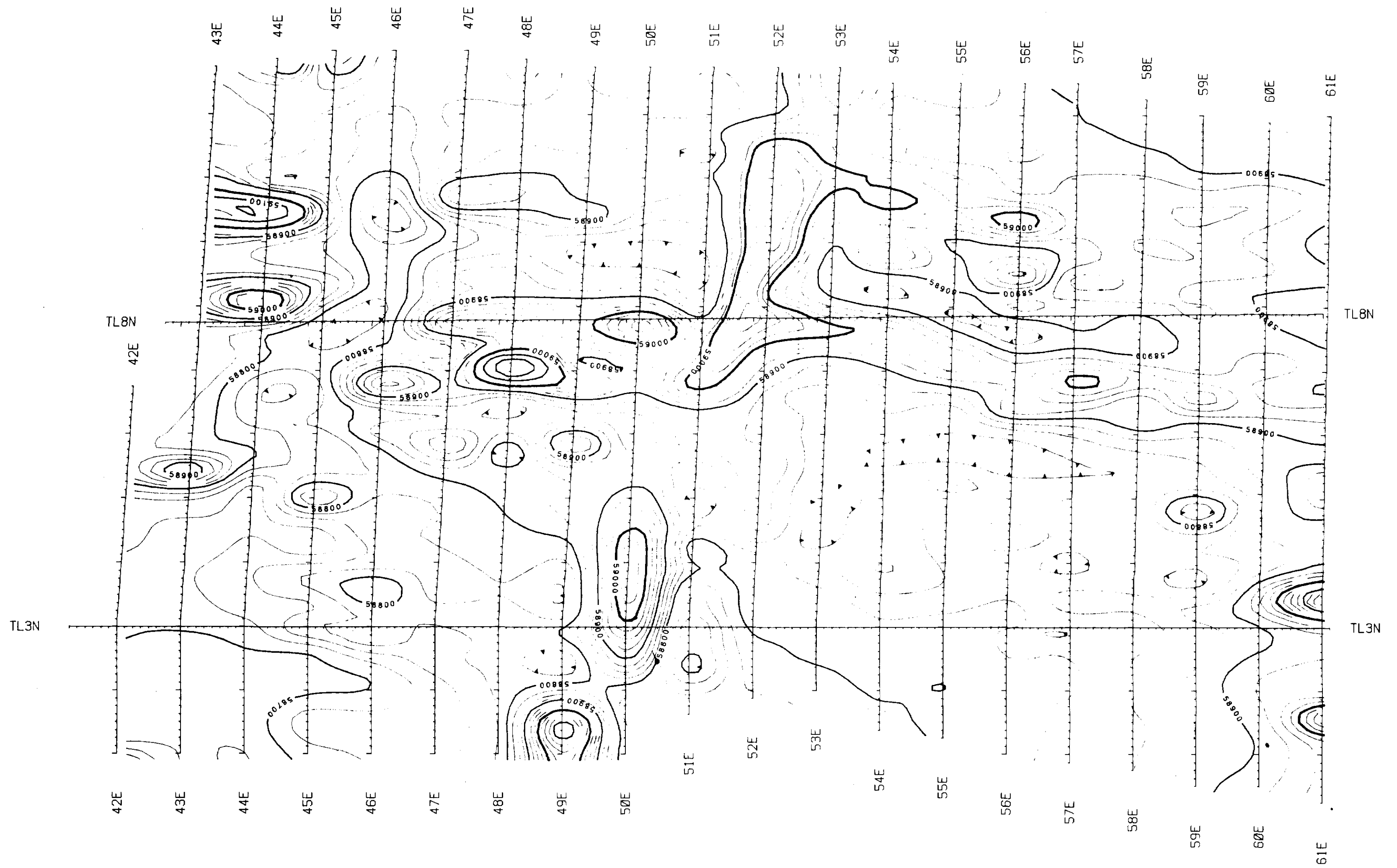
Sheet # 3A  
 MIKWAM RIVER PROPERTY



220

Map No. 87-15-03

FEB 25 1967



29878

SURVEY DATA  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - EDA PPM-500  
 Base Station - EDA PPM 488

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
**TOTAL FIELD MAGNETIC CONTOURS**

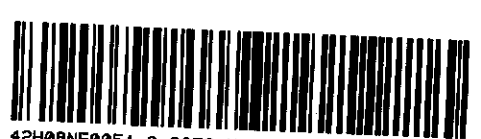
Scale 1 : 5000  
 Compilation and Plotting  
 by

WALKER EXPLORATION LTD

Mississauga Ontario.  
 DECEMBER 1986

LEGEND  
 --- 25nT  
 --- 100nT  
 --- 500nT  
 --- 2500nT

*RJM*  
 FEB 25 1987



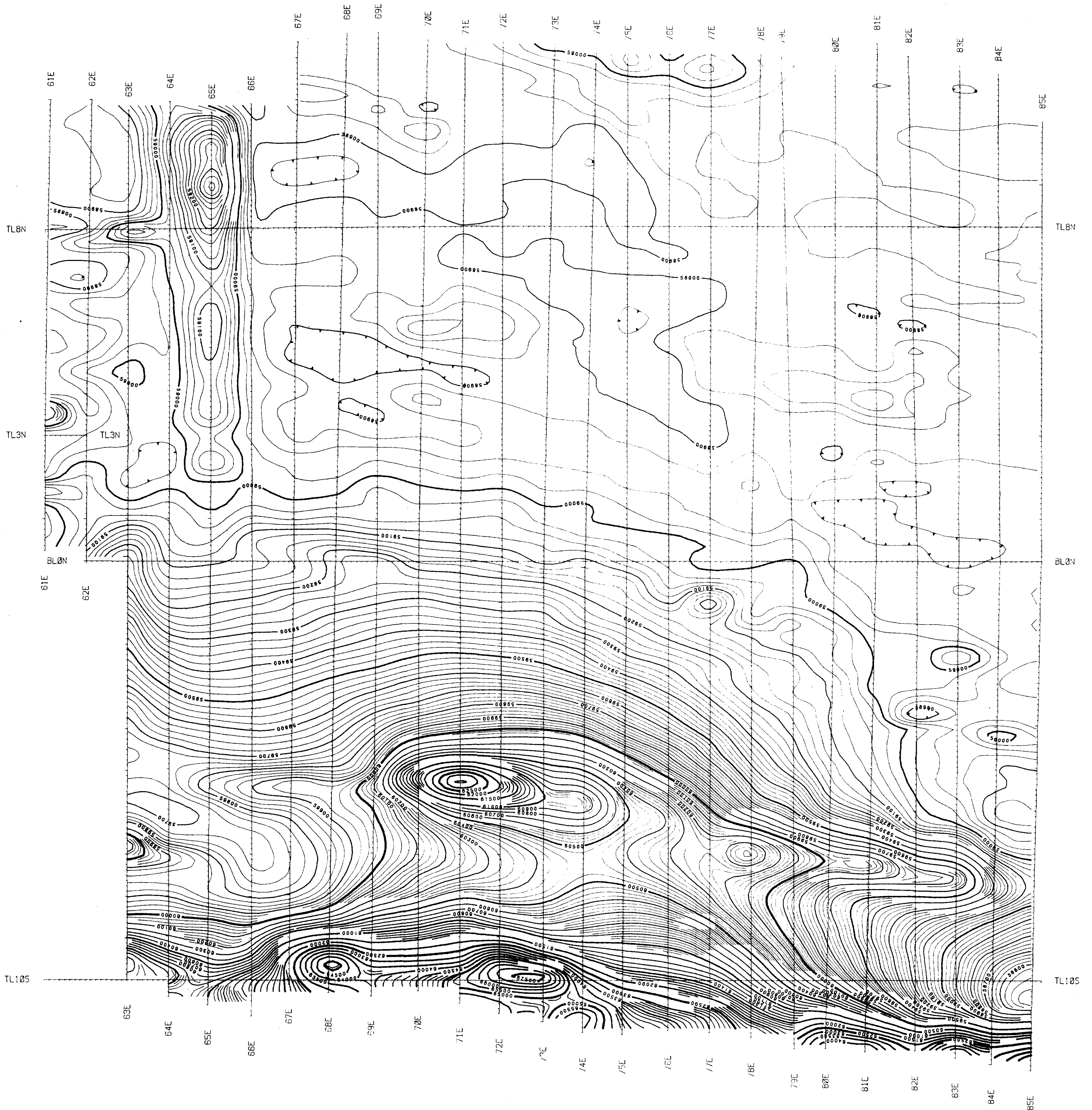
230

NTS - 42 - H - 8

Map No: 87-15-04

Sheet # 1B  
 MIKWAM RIVER PROPERTY





29878

SURVEY DATA  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - EDR PPM-500  
 Base Station - EDR PPM 400

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 TOTAL FIELD MAGNETIC CONTACT

LEGEND  
 - 25mT  
 - 100mT  
 - 500mT  
 - 2500mT

*W. Walker*  
 FEB 25 1987

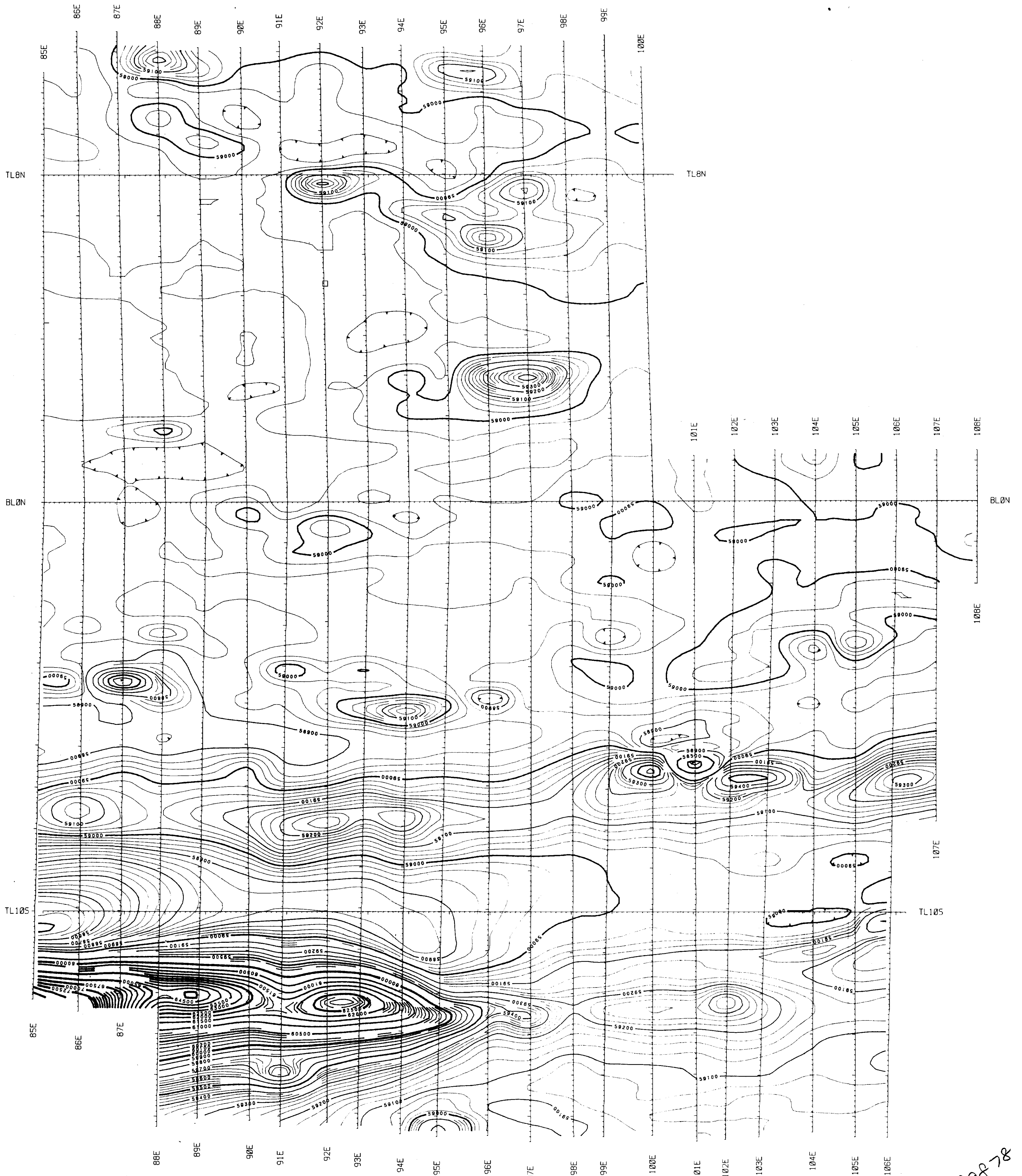


240

Compilation and Plotted by  
 WALKER EXPLORATION LTD.  
 Mississauga Ontario.  
 LEVE-1987 1987

Map No: 87-15-05

Sheet # 2B  
 MIKWAM RIVER PROPERTY



29878

SURVEY DATA  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - EDH PPM-500  
 base Station - EDH PPM 400

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 TOTAL FIELD MAGNETIC CONTOURS

Scale 1 : 7333  
 Compilation and Plotting  
 by

WALKER EXPLORATION LTD

Miskincaugie Ontario,  
 L.L.C. 486-1-36P

LINE STYLE  
 --- 25m  
 --- 100m  
 --- 1000m  
 --- 2000m

*R. J. [Signature]*

1:25 2 5 388



250

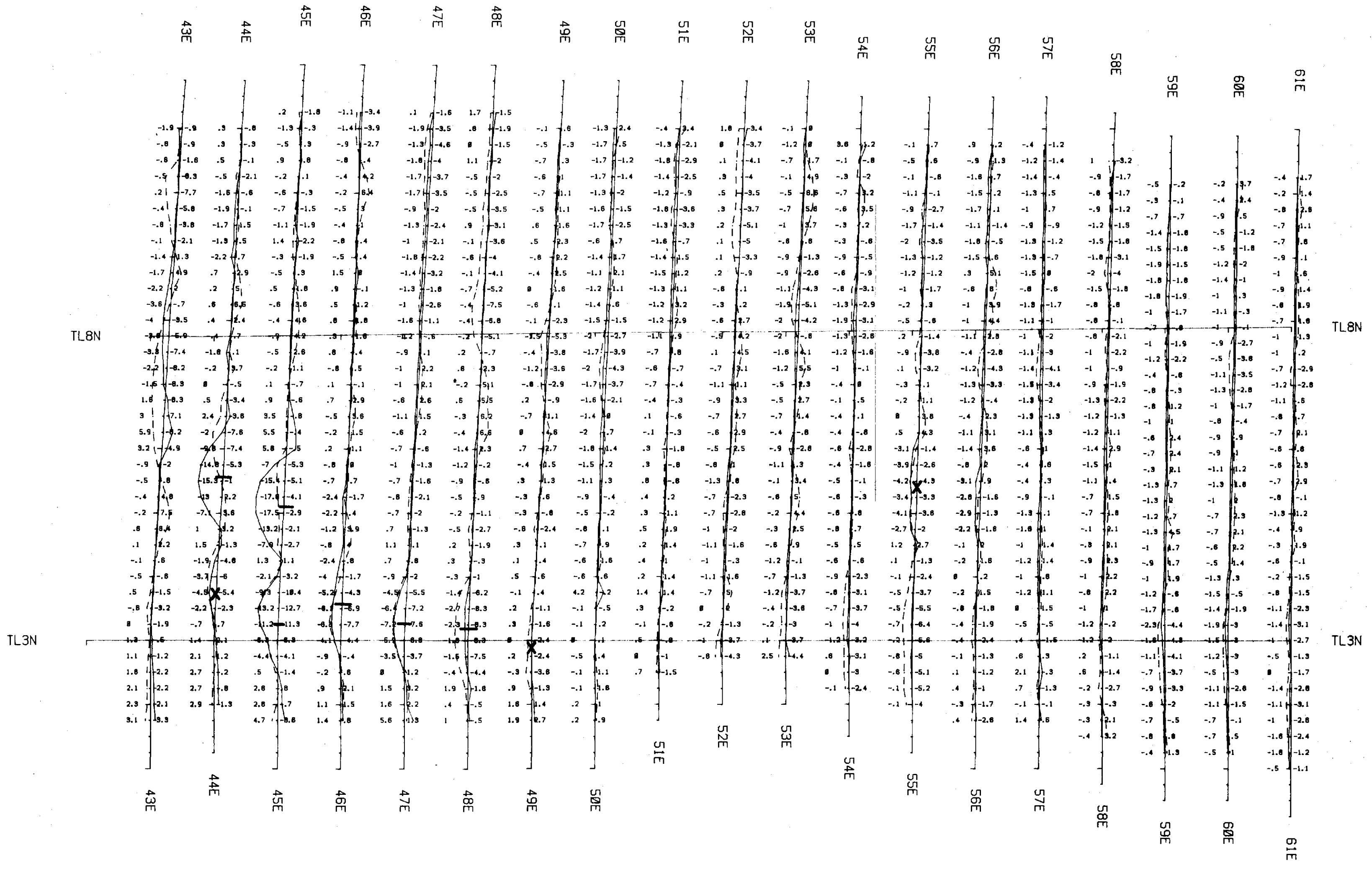
JTS - 42 - H - B

WALKER EXPLORATION LTD

Miskincaugie Ontario,  
 L.L.C. 486-1-36P

Map No 87-15-06

Sheet # 3B  
 MIKWAM RIVER PROPERTY



27888



428888851 2.9578 NEWMAN

260

**SURVEY DATA**

Contractor - Walker Exploration Ltd.  
 Instrumentation - Apex Parametrics 99XMIN II  
 Coil separation - 150 meters

**INTERPRETATION**

- Conductor Axis
- Conductor Width
- X Poor Conductivity and/or questionable bedrock source

NTS - 42 - H - B

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROJECT  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 HORIZONTAL LOOP EM (888 Hz)

Scale 1 : 5000  
 Compilation and Plotting  
 by

WALKER EXPLORATION LTD  
 Mississauga Ontario.  
 DECEMBER 1986



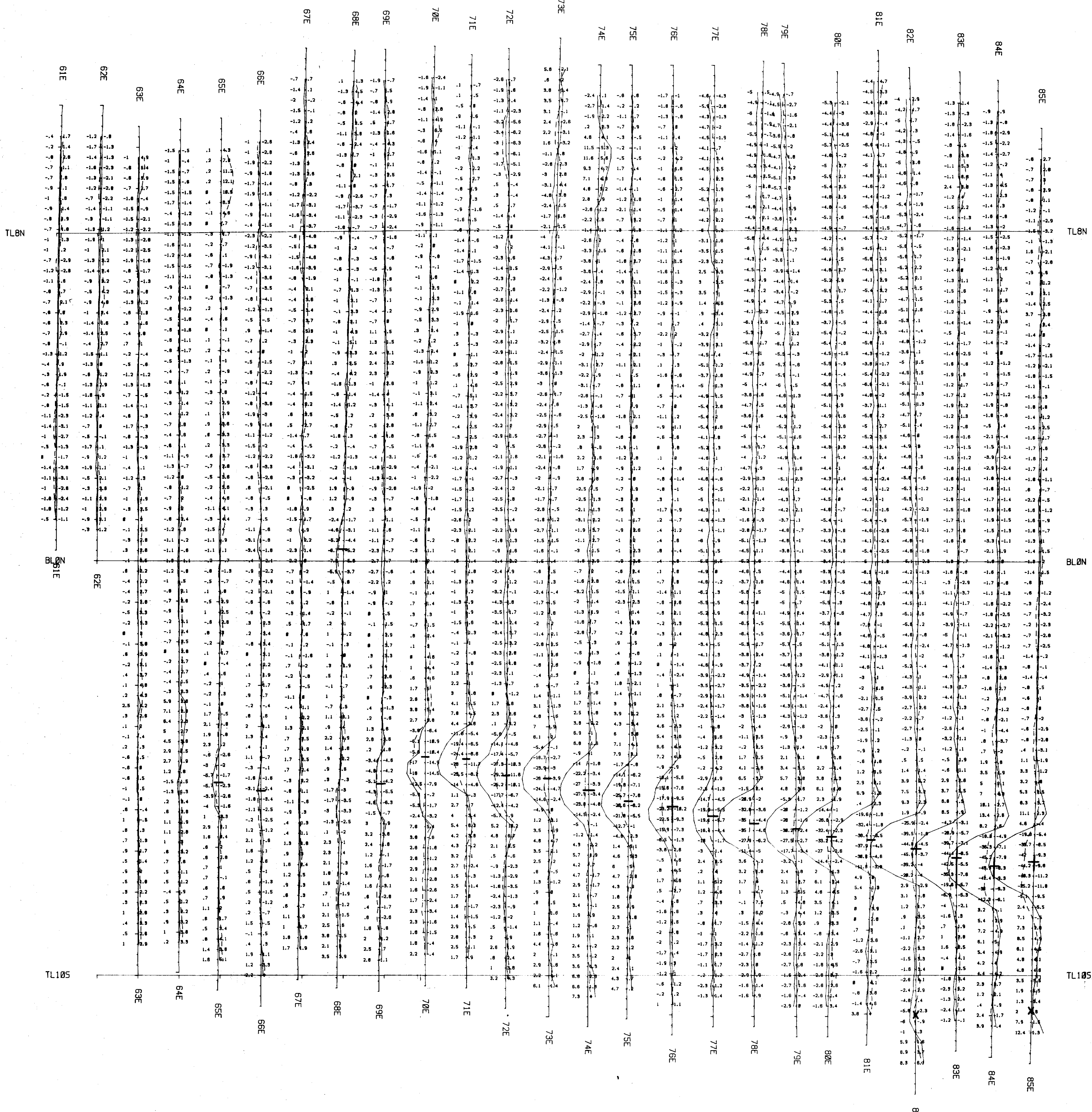
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 INPHASE values plotted to the left  
 of the line.  
 QUADRATURE values to the right  
 of the line.  
 — = Inphase Profile  
 - - - = Quadrature Profile  
 Profile scale = 28 %/cm

*W. Walker*  
 FEB 25 1987

Sheet # 1C  
 MIKWAM RIVER PROJECT

Map No. 87-15-07





27878



270

SURVEY DATA

Contractor - Walker Exploration Ltd.  
 Instrumentation - Apex Parametrics MAXMIN II  
 Coll separation - 150 meters

INTERPRETATION

- Conductor Axis
- Conductor Width
- X Poor Conductivity and/or questionable bedrock source.

CHESBAR RESOURCES INC.

MIKWAM RIVER PROPERTY

NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 HORIZONTAL LOOP EM (888 Hz)

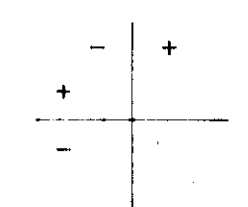
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 Compilation and Plotting  
 by

WALKER EXPLORATION LTD

Mississauga Ontario,  
 DECEMBER 1986

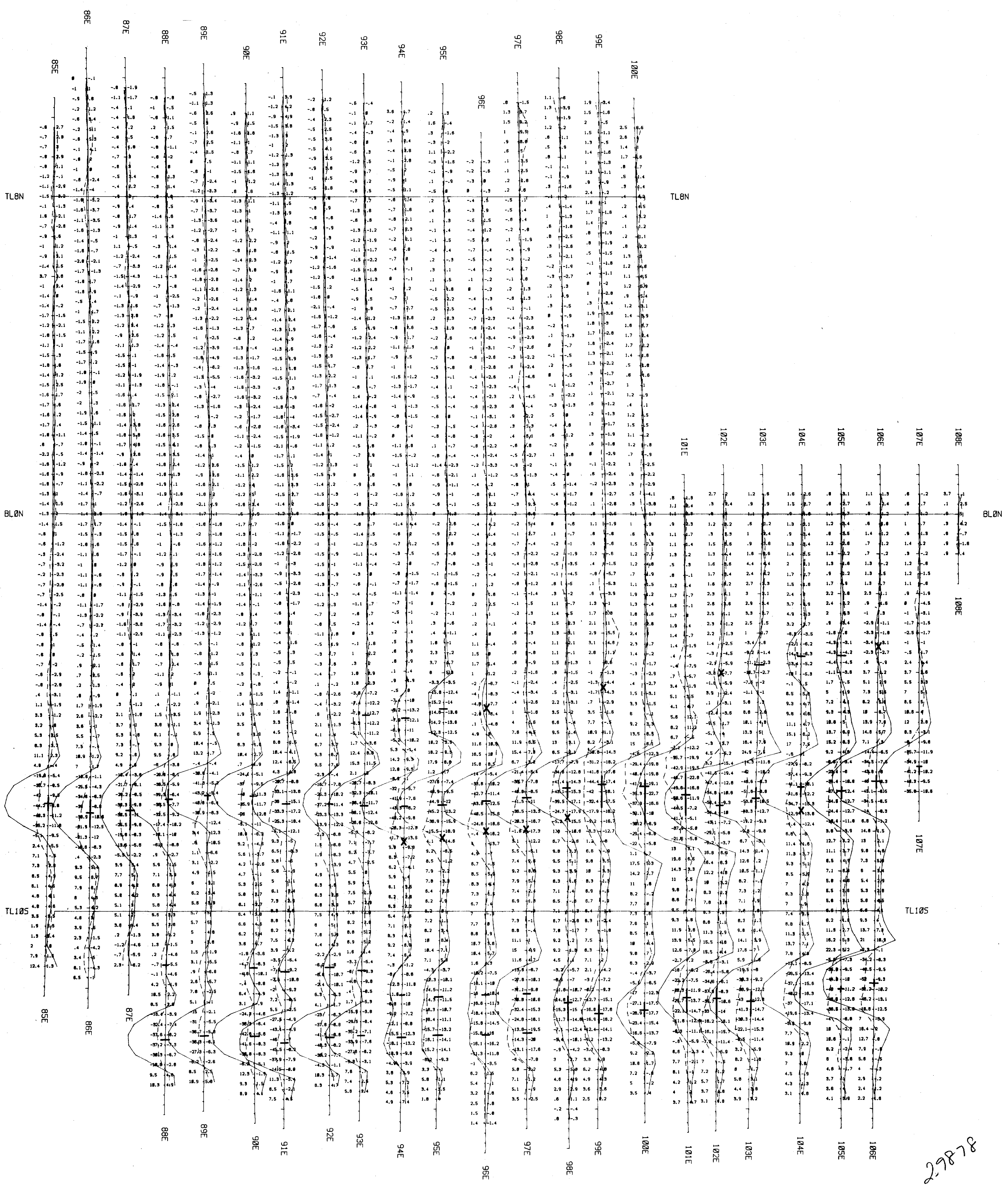
LEGEND

- INPHASE values plotted to the left of the line.
- QUADRATURE values to the right of the line.
- Inphase Profile
- Quadrature Profile
- Profile scale = 20 %/cm



*R. J. Walker*  
 FEB 25 1987





27878



280

**SURVEY DATA**

Contractor - Walker Exploration Ltd.  
 Instrumentation - Apex Parametrics MRMXII II  
 Coil separation - 158 meters

**INTERPRETATION**

— Conductor Axis  
 — Conductor Width  
 X Poor Conductivity and/or questionable bedrock source

CHESBAR RESOURCES INC.

MIKWAM RIVER PROPERTY

NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 HORIZONTAL LOOP EM (888 Hz)

Scale 1 : 5000

Compilation and Plotting  
 by

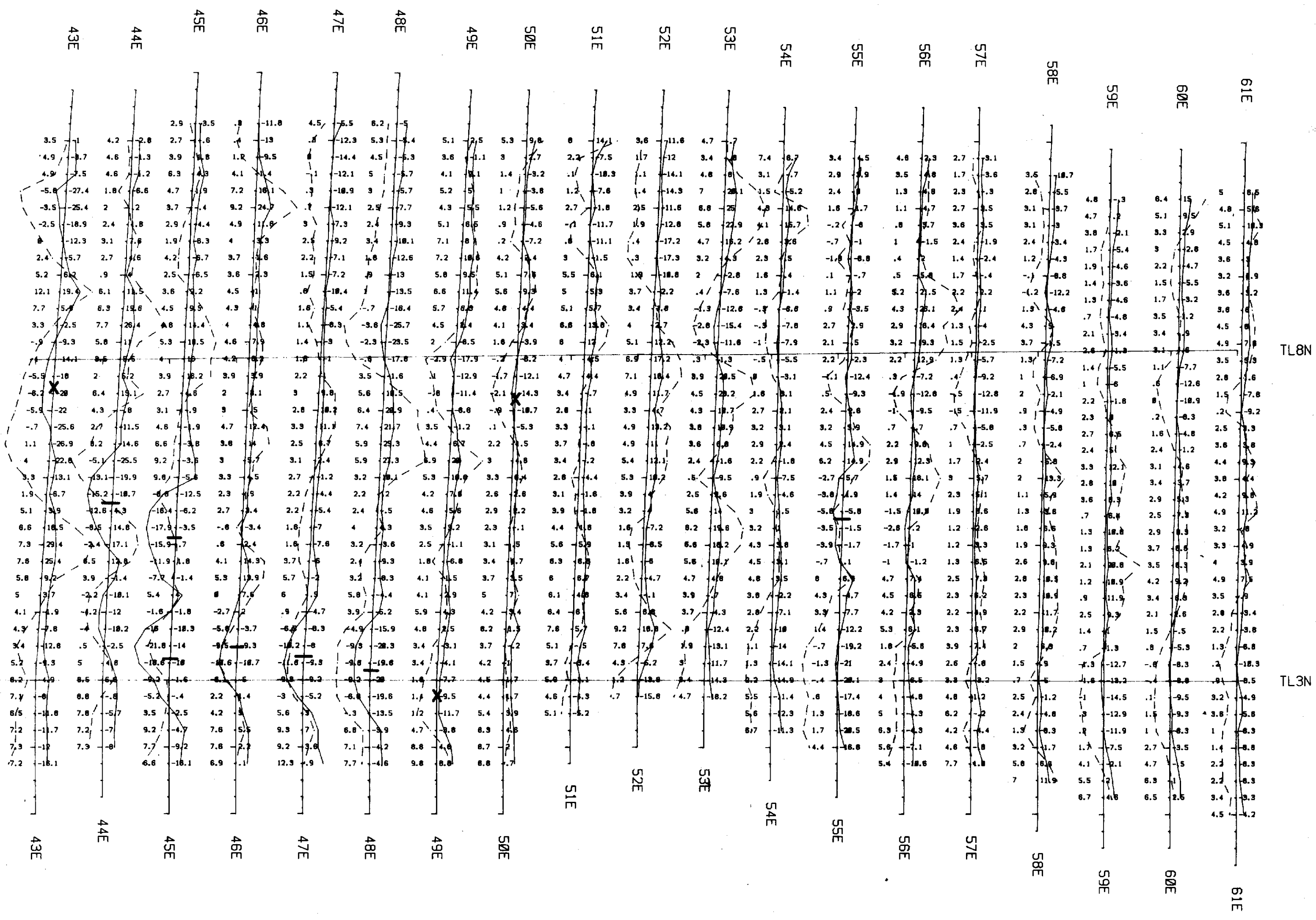
WALKER EXPLORATION LTD

Mississauga Ontario.  
 DECEMBER 1986

**LEGEND**

INPHASE values plotted to the left of the line.  
 QUADRATURE values to the right of the line.  
 — = Inphase Profile  
 - - - - - = Quadrature Profile  
 Profile scale = 20 %/cm

*RM*  
 ED 2 5 1987



2987R



290

**SURVEY DATA**  
 Contractor - Walker Exploration Ltd.  
 Instrumentation - Apex Parametrics MAXMIN II  
 Coil separation - 150 meters

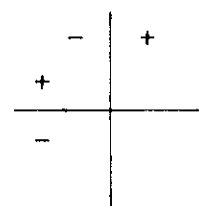
**INTERPRETATION**

- Conductor Axis
- Conductor Width
- X Poor Conductivity and/or questionable bedrock source.

CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROJECT  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 HORIZONTAL LOOP EM (3555 Hz)

Scale 1 : 5000  
 Compilation and Plotting  
 by

WALKER EXPLORATION LTD  
 Mississauga Ontario,  
 DECEMBER 1986



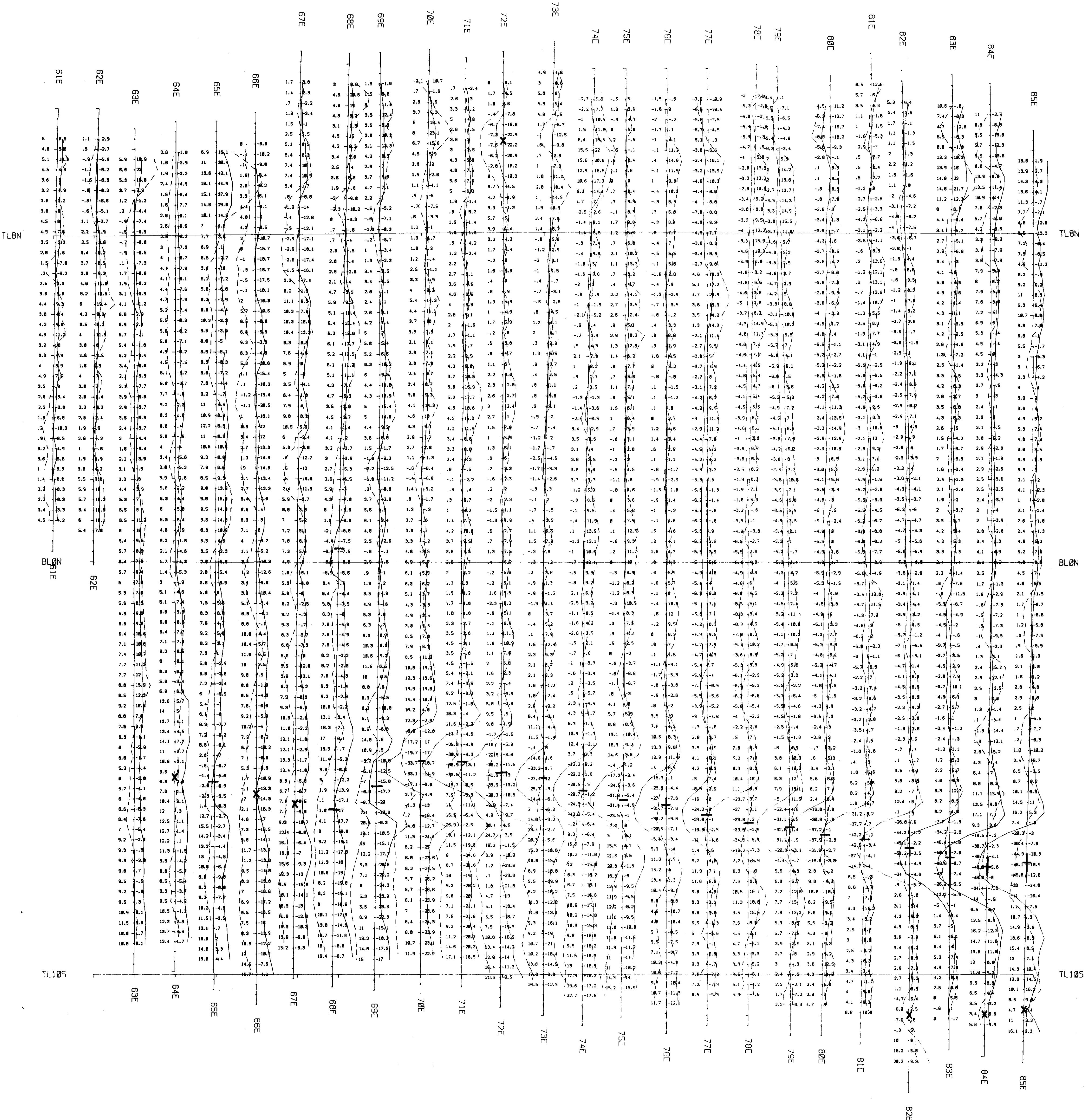
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 QUADRATURE values to the right of the line.  
 — = Inphase Profile  
 - - - = Quadrature Profile  
 Profile scale = 20 %/cm

*Handwritten signature*

FEB 25 1987

Sheet # 10  
 MIKWAM RIVER PROJECT





27878



300

**SURVEY DATA**

Contractor - Walker Exploration Ltd.  
 Instrumentation - Apex Parametrics MAXMIN II  
 Coil separation - 150 meters

**INTERPRETATION**

- Conductor Axis
- Conductor Width
- X Poor Conductivity and/or questionable bedrock source.

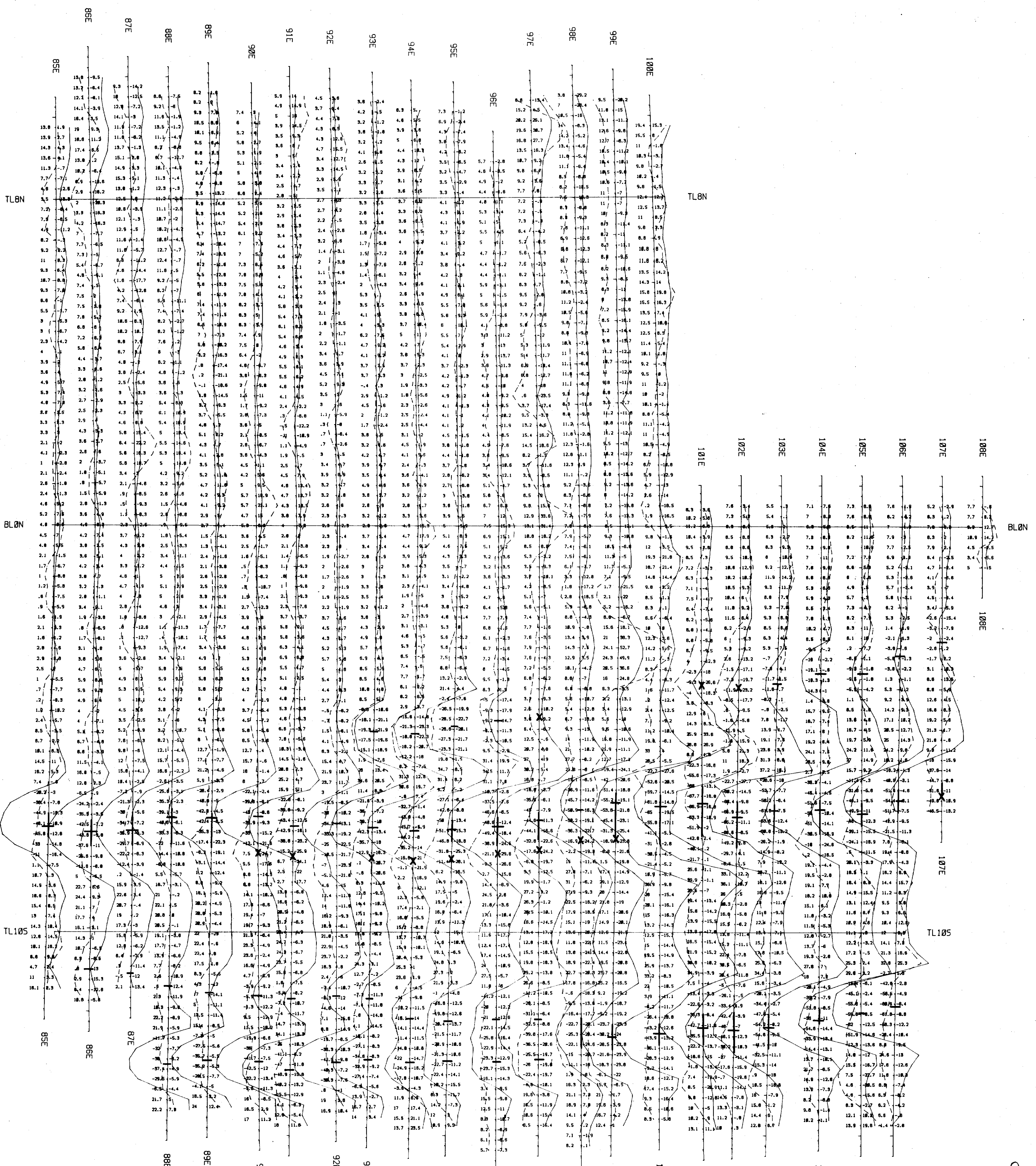
**CHESBAR RESOURCES INC.**  
**MIKWAM RIVER PROPERTY**  
**NEWMAN AND TOMLINSON TWP. ONTARIO**  
**LARDER LAKE MINING DIVISION**  
**HORIZONTAL LOOP EM (3555 Hz)**

Scale 1 : 5000  
 Compilation and Plotting  
 by

**WALKER EXPLORATION LTD**  
 Mississauga Ontario.  
 DECEMBER 1986

**LEGEND**

- INPHASE values plotted to the left of the line.
- QUADRATURE values to the right of the line.
- = Inphase Profile
- - - = Quadrature Profile
- Profile scale = 20 Z/cm



2788



408888851 2 8878 NEWMAN

310

**SURVEY DATA**

Contractor - Walker Exploration Ltd.  
 Instrumentation - Apex Parametrics MAXMIN II  
 Coil separation - 150 meters

**INTERPRETATION**

— Conductor Axis  
 — Conductor Width  
 X Poor Conductivity and/or questionable bedrock source.

CHESBAR RESOURCES INC.

**MIKWAM RIVER PROPERTY**

NEWMAN AND TOMLINSON TWP. ONTARIO

LARDER LAKE MINING DIVISION

**HORIZONTAL LOOP EM (3555 Hz)**

Scale 1 : 5000

Compilation and Plotting

by

**WALKER EXPLORATION LTD**

Mississauga Ontario.  
 DECEMBER 1986

**LEGEND**

INPHASE values plotted to the left of the line.

QUADRATURE values to the right of the line.

— = Inphase Profile

--- = Quadrature Profile

Profile scale = 20 1/cm

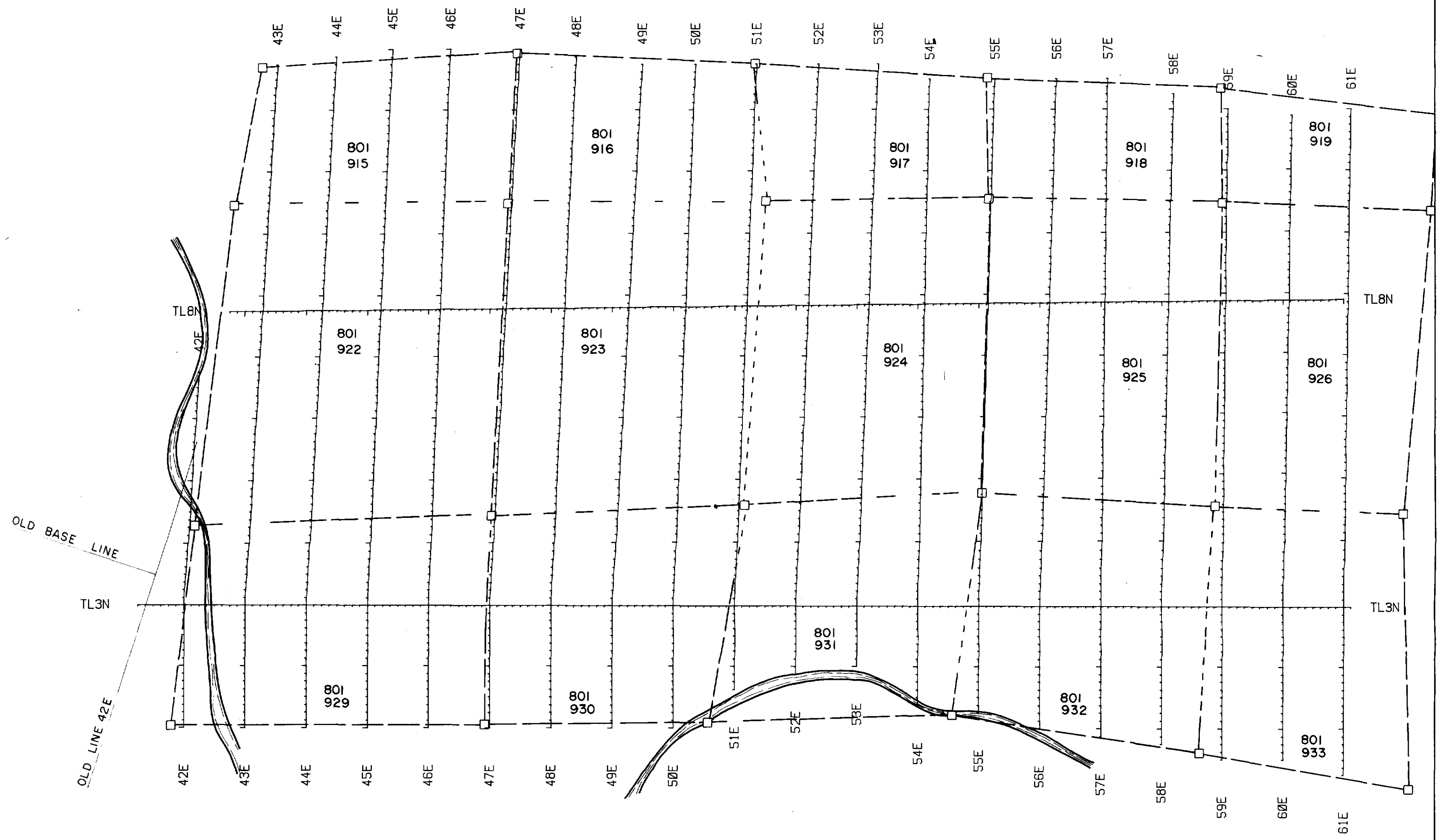
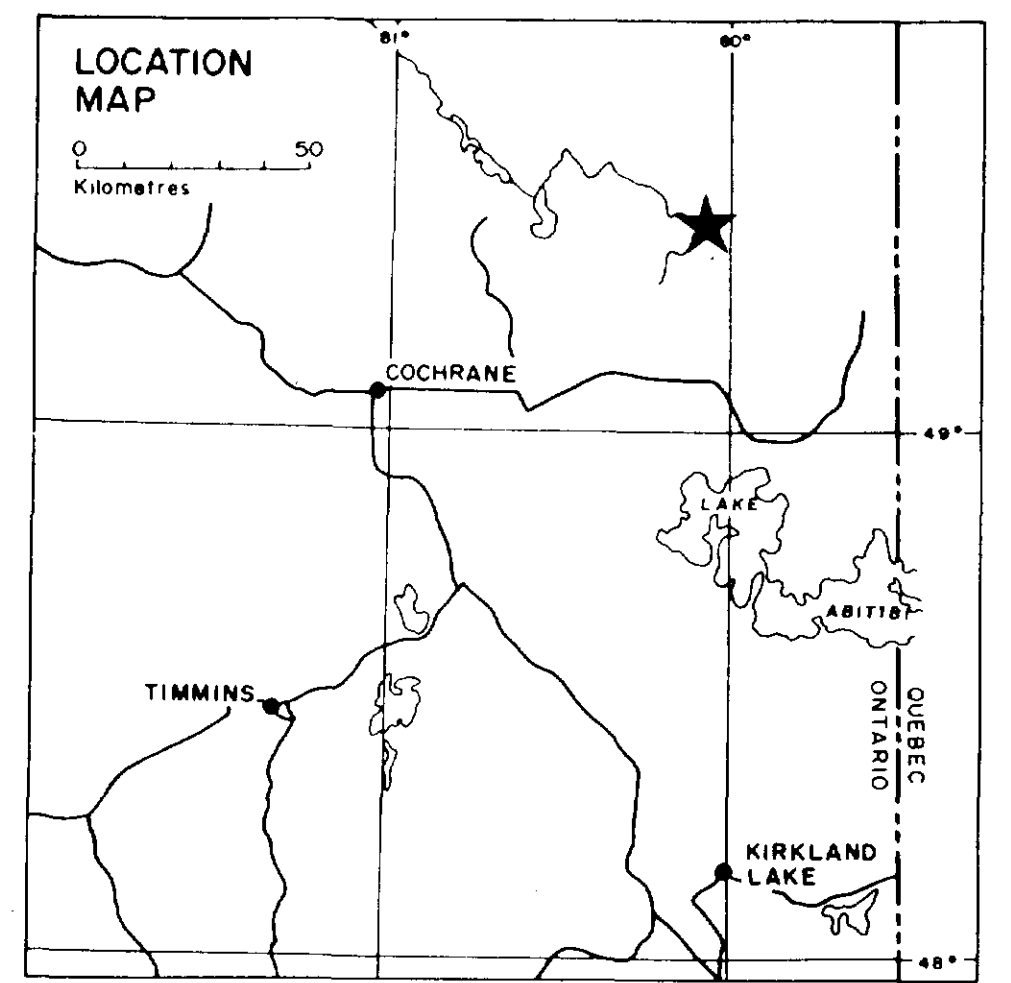
NTS - 42 - H - 8

Sheet # 3D

MIKWAM RIVER PROPERTY

FEB 25 1987





TOPOGRAPHIC LEGEND  
 Claim post and line ..... □ .....  
 Creek, lakeshore ..... ~~~~~

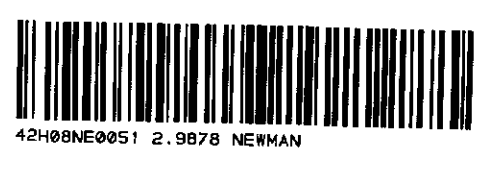
SHEET INDEX

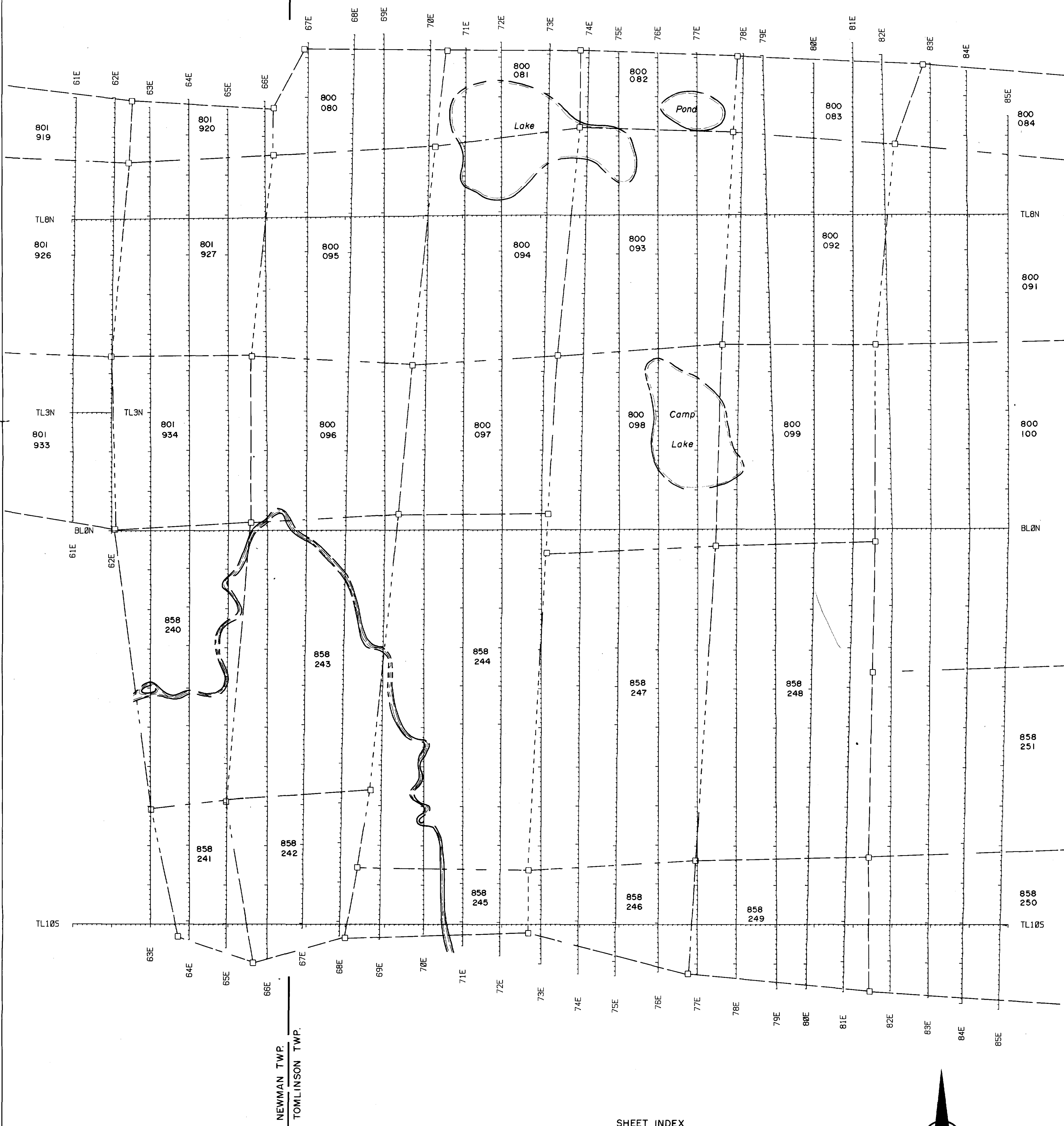
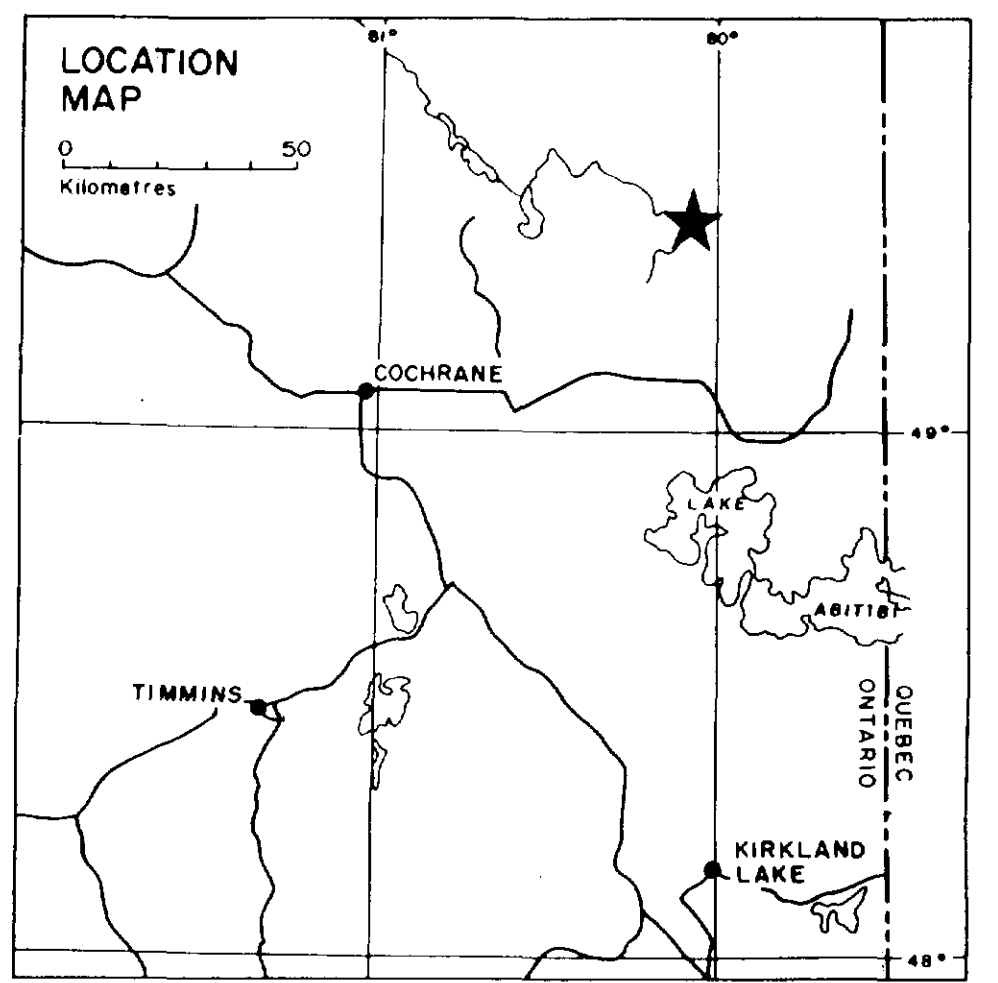
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CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 CLAIMS AND SURVEY  
 LINE COVERAGE  
 Scale 1 : 5000

29878  
  
 FEB 25 1997

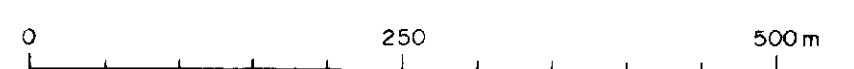
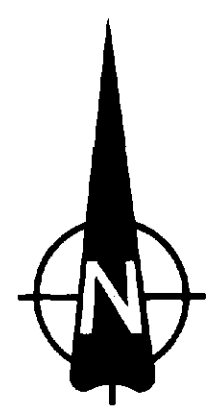




TOPOGRAPHIC LEGEND  
 Claim post and line ..... □ .....  
 Creek, lakeshore ..... ~~~~~

SHEET INDEX

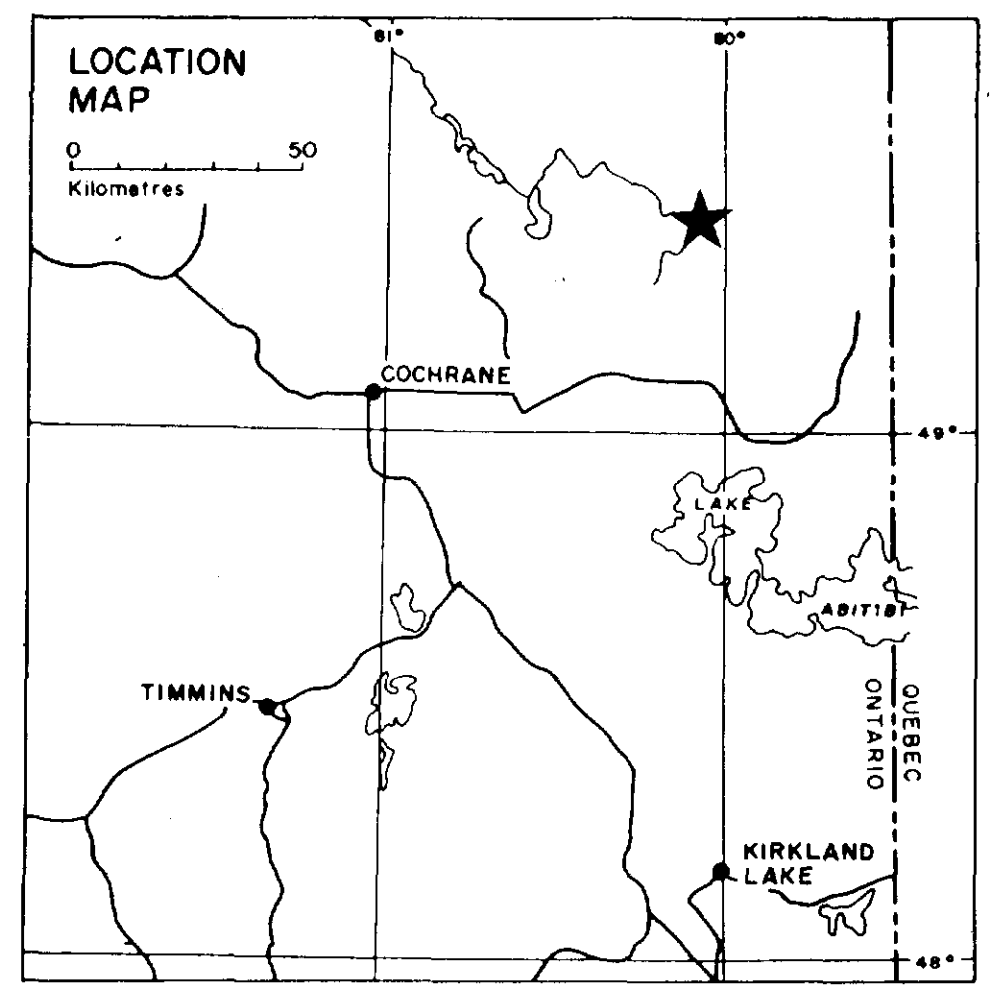
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CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARDER LAKE MINING DIVISION  
 CLAIMS AND SURVEY  
 LINE COVERAGE  
 Scale 1 : 5000

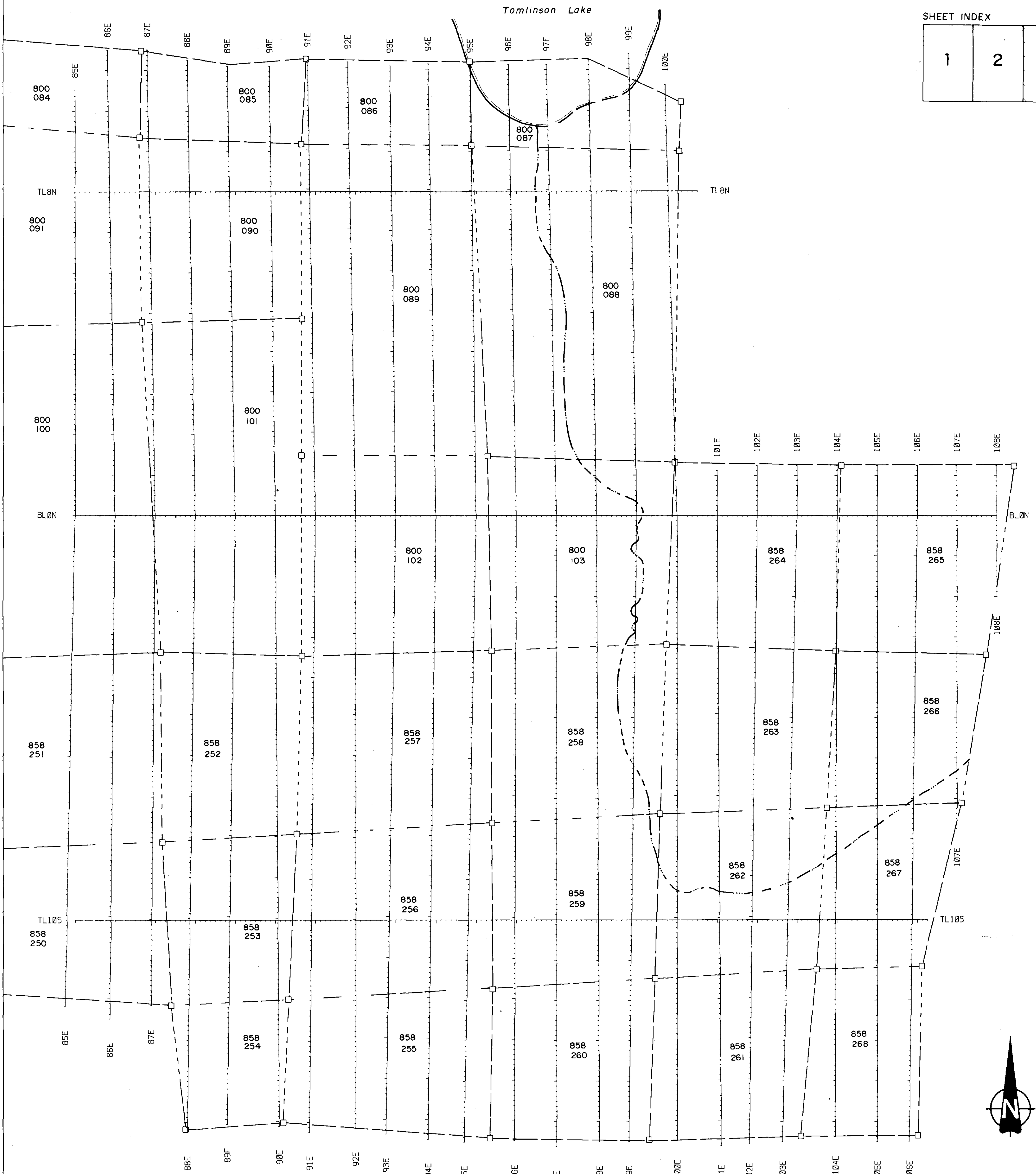
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*[Signature]*  
 FEB 25 1987



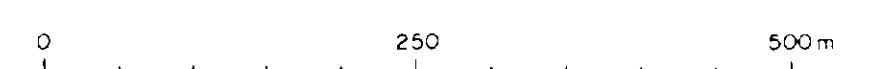
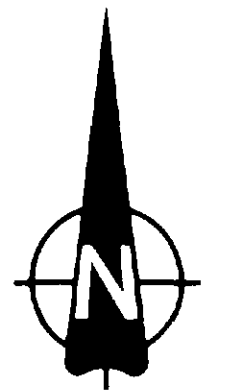


SHEET INDEX

1	2	3
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TOPOGRAPHIC LEGEND  
 Claim post and line  
 Creek, lakeshore

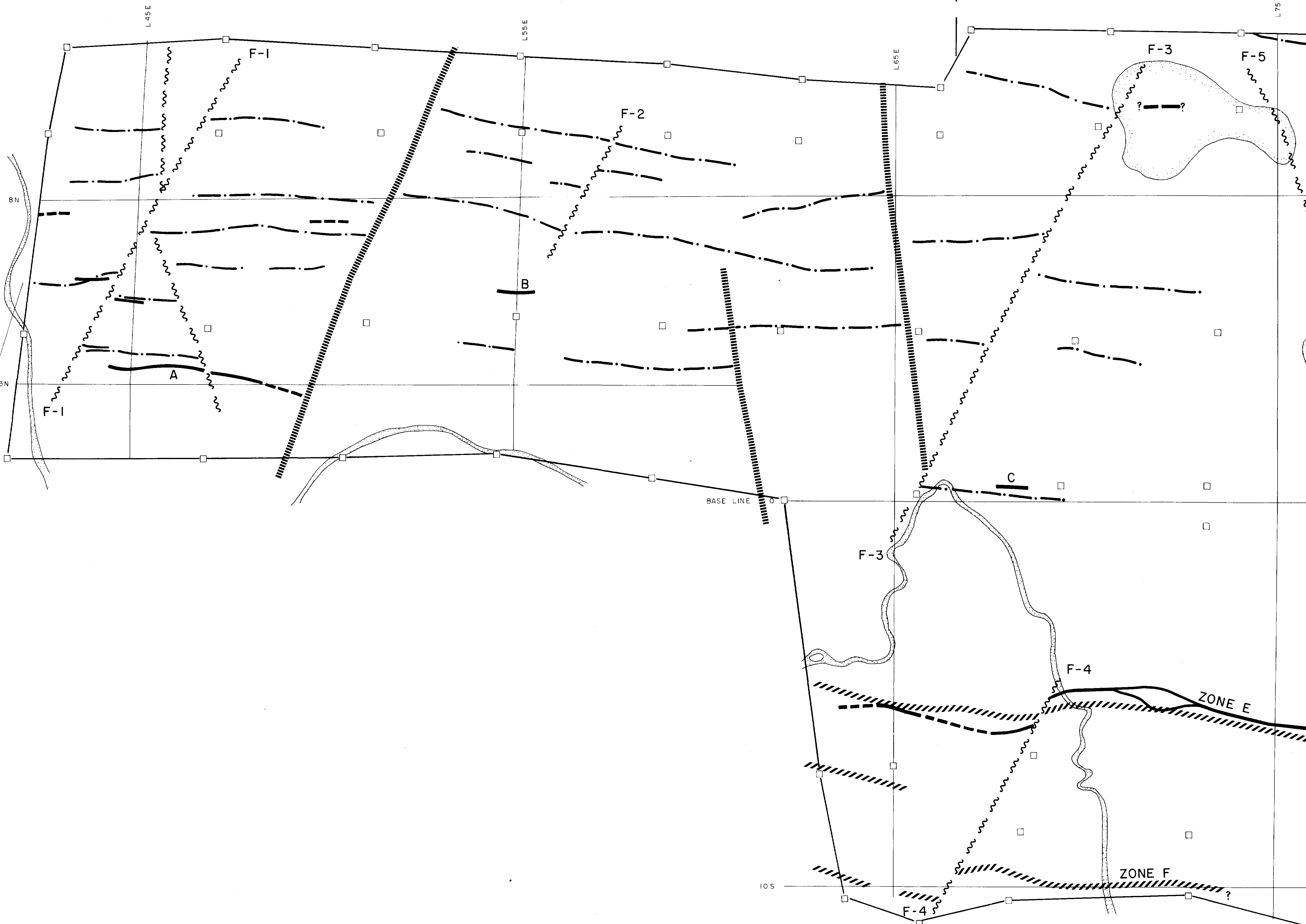


CHESBAR RESOURCES INC.  
 MIKWAM RIVER PROPERTY  
 NEWMAN AND TOMLINSON TWP. ONTARIO  
 LARPER LAKE MINING DIVISION  
 CLAIMS AND SURVEY  
 LINE COVERAGE  
 Scale 1 5000

29878

FEB 25 1987





**LEGEND**

- MAGNETIC TRENDS**
  - Peak Amplitude Trace of Probable Iron Formation
  - Other Magnetic Trends (Mafic Volcanics, Lean Iron Formation with Magnetite/Pyrrhotite.)
- ELECTROMAGNETIC TRENDS**
  - Multiple Conductor Zone } Massive Sulphides and/or Graphite
  - Single Conductor }
  - Poor Conductivity and/or Questionable Bedrock Source
  - Diabase Dyke
  - Fold/Fault Structure
  - Claim Post

NEWMAN TWP.  
TOMLINSON TWP.

0 500 metres

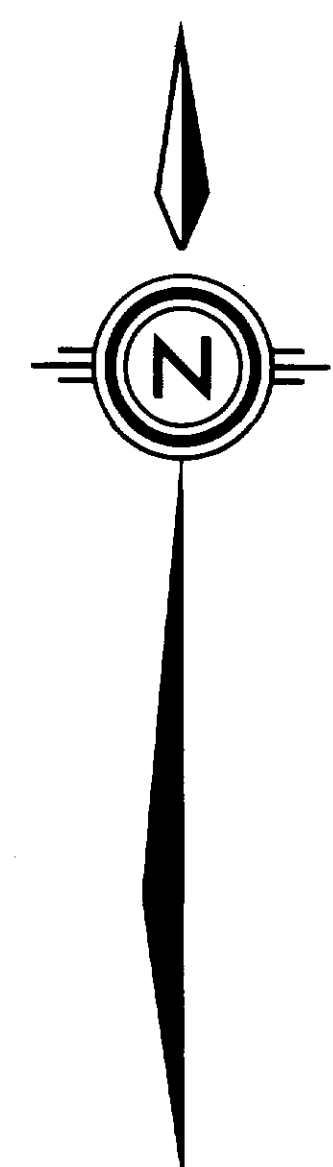
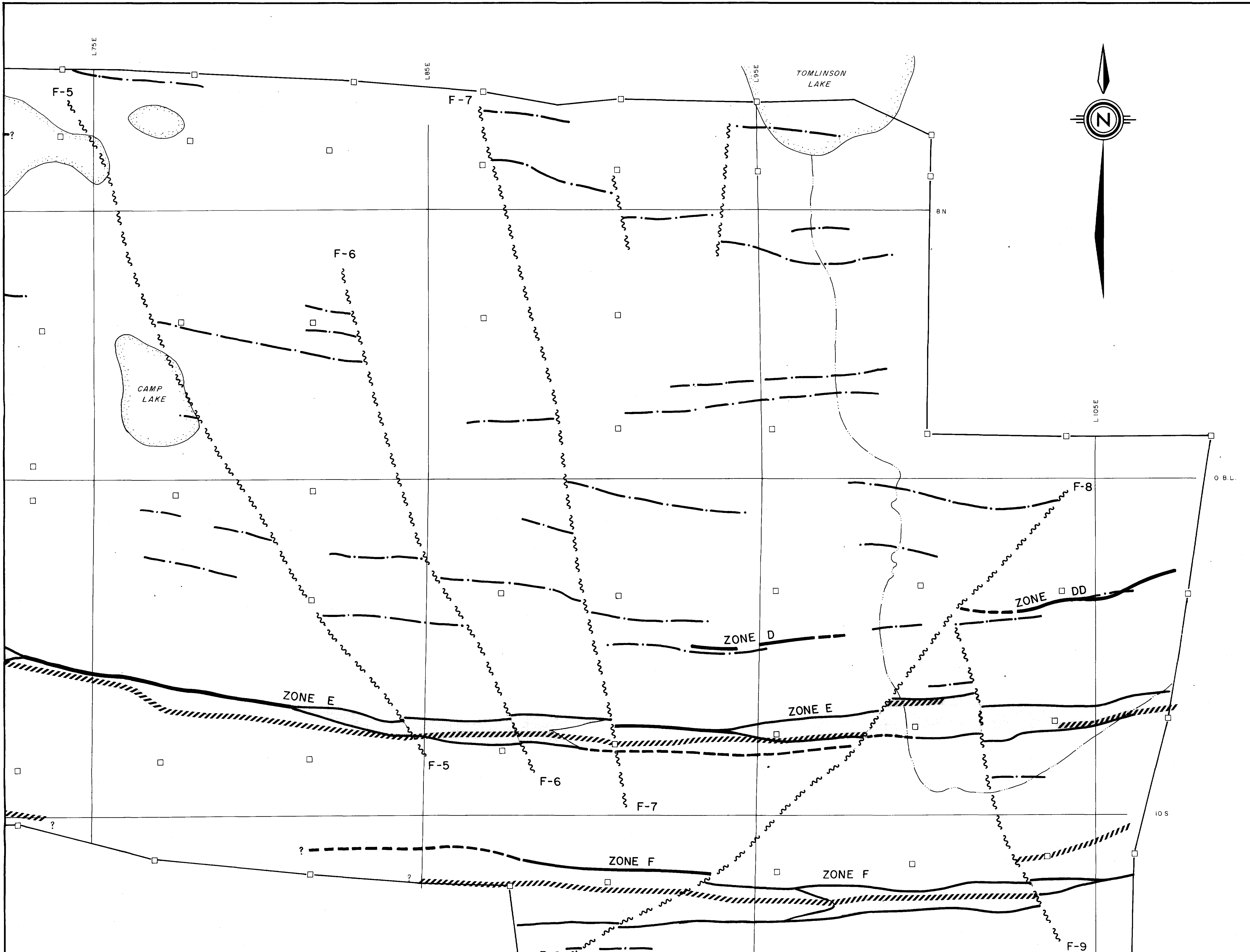
29878

*PRH*  
Feb 25 1967

<b>CHESBAR RESOURCES INC.</b>	
MIKWAM RIVER PROJECT	
<b>INTERPRETIVE GEOPHYSICAL COMPILATION WEST SHEET</b>	Scale 1:50,000 Date Feb. 18/67 Drawn By P.R.H. Map No. 87-15-13
DERRY, MICENER, BOOTH & WAHL	







**LEGEND**

- MAGNETIC TRENDS**
- Peak Amplitude Trace of Probable Iron Formation
  - Other Magnetic Trends (Mafic Volcanics, Lean Iron Formation with Magnetite/Pyrrhotite.)
  - Diabase Dyke
  - Fold/Fault Structure
- ELECTROMAGNETIC TRENDS**
- Multiple Conductor Zone } Massive Sulphides and/or Graphite
  - Single Conductor }
  - Poor Conductivity and/or Questionable Bedrock Source
  - Claim Post



2987.8

*R.D. Derry*  
FEB 25 1987

<b>CHESBAR RESOURCES INC.</b>	
MIKWAM RIVER PROJECT	
<b>INTERPRETIVE GEOPHYSICAL COMPILATION EAST SHEET</b>	Scale 1:5000 Date Feb 18/87 Drawn By P.R.H. Map No. 87-15-14
DERRY, MICHENER, BOOTH & WAHL	

