

GEOSEARCH CONSULTANTS LIMITED



42H08NE0010 2.11247 BLAKELOCK

010

HLEM, VLF-EM and Magnetic Surveys
by
Geosearch Consultants Ltd.
for
Placer Dome Inc.
on
Project 346 - Deerfoot Option
Blakelock Township, Ontario
(To Accompany Maps 88-130, 131, 132, 133-1,-2)

April 27, 1988

RECEIVED

MAY 27 1988

MINING LANDS SECTION

Introduction

A horizontal loop electromagnetic (HLEM) survey was carried out on Project 346-Deerfoot Option for Placer Dome Inc. in December 1987. A VLF electromagnetic survey and a total field magnetic survey were also completed on the property in January and February 1988.

The Deerfoot Option consists of 25 unpatented mining claims a list of which is appended to this report. The property is located in the south central portion of Blakelock Township, Ontario. Access to the property was made via helicopter from the town of Cochrane, Ontario which is approximately 90KM S/W of the property. Access was also made via snowmobile along cut trails off of the Detour Lake Mine road.

The purpose of the surveys was to locate subsurface geoelectrical conductors and outline geological structures as revealed by the magnetics which may prove conducive for gold mineralization.

Eight conductors were located by the HLEM survey. Many more conductive horizons were located by the VLF-EM survey. The magnetic survey outlined a well defined rock contact as well as a number of N/S trending dykes.

The accompanying maps show the area surveyed and the results obtained. A technical data sheet is appended to this report.

METHOD AND INTERPRETATION OF RESULTS - ELECTROMAGNETIC SURVEY

Operating Principle: When an electrical conductor is subjected to a primary alternating field, a secondary current is induced in the conductor. This current produces a secondary alternating field which together with the primary field produces a resultant field of different amplitude and phase from the applied primary field. These differences may indicate the presence of a conductor.

Operation: The battery-powered transmitter sets up a primary field while the in-phase and out-of-phase (quadrature) components of the complex secondary vertical field are detected by a receiving coil and measured by means of a compensator-amplifier unit located a fixed distance from the transmitter unit. These parameters are expressed in percentage of the primary field.

Conductor Recognition: The typical curve over a steeply-dipping conductor shows a low (negative - greater than 5%) over the centre of the conductor, flanked by positive readings on both sides of the conductor. Both the in-phase and the out-of-phase components usually produce the same general shape of curve. An asymmetrical curve may indicate one or more of the following conditions: (1) more than one conductor (2) variable conductive overburden (3) a shallow dipping conductor.

Conductivity Determination: The ratio of the amplitudes of the two measured components, in-phase to out-of-phase, is directly proportional to the conductivity of the conductor, in areas of non-conductive overburden.

Conductor Location: For a single conductor, both component readings are normally zero when either the transmitting or receiving coil is directly above the conductor. The location of the conductor is calculated by adding one-half the distance between the transmitting coil and the receiving coil (coil interval) to the co-ordinate at which the readings are zero. A unique solution is generally not possible in the case of multiple conductors spaced less than one coil interval apart. This results in the possibility that an apparently wide conductor may actually consist of two or more narrow conductors.

Depth of Penetration: The maximum depth of penetration for detection of a steeply-dipping conductor in a geo-electrically neutral background is about 0.7 times the coil interval. Over horizontal or flatly-dipping conductors, penetration of up to 1.5 times the coil interval is possible.

Results

Magnetic Survey

The magnetic survey outlines an area with a very disturbed magnetic signature (Maps 88-132-1,-2).

A number of N/S magnetic features are noted and attributed to diabase dykes. These weakly magnetic structures are located along the N/S trending lines on L15+00W, 1+00N to 9+00N and on L7+00W, 3+00N to 9+00N (Map 88-132-2).

The N/W corner of the survey area outlines a non-magnetic, probably granitic, rock unit. The southern edge of this unit delineates the contact between this non-magnetic unit and the more disturbed magnetic unit to the south. The contact follows a NE trend extending from L41+00W, 3+00N to L23+00W, 12+00N (Map 88-131-1). The contact is made up of "highs" and "lows" resulting in a spotted appearance. This is typical of areas which have little overburden cover.

Several smaller features are noted on the contour map. Examples of these are as follows:

1. A NW trending feature is noted extending from L24+00W, 3+75N to L21+00W, 2+00N.
2. A NE trending feature is noted extending from L20+00W, 5+00N to L17+00W, 7+00N.
3. A NE trending feature, parallel to the contact, is noted extending from L25+00W, 7+00N to L27+00W, 6+00N.

HLEM Survey

The HLEM survey was carried out using a 100 metre coil interval with frequencies of 1777 Hz and 444 Hz (Maps 88-130-1,2). The data obtained on the EW crosscutting lines was plotted on a separate map, Map 88-130-1a, for ease of viewing. The conductors plotted on the HLEM map sheets incorporates the information from the surveys run in both line directions.

The following table lists the eight conductors located.

Conduct	Map Sheet	Line	Station	Apparent Max.Width	IP/OP Ratio		Magnetic Correlation	Magnetic Value	Depth Estimate		σ_t	
					HF	LF			HF	LF	HF	LF
1	1	L39+00W	3+70N- 3+25N	45	5	5	YES	1590	10	12	40	104
		38+00W	4+42N- 3+89N	53	4	3	YES	1326	7	9	30	70
		37+00W	4+75N- 4+62N	13	1.5	1.5	FLANK	291	11	16	9.1	18
		36+00W	5+04N- 4+37N	67	5	2	YES	2389	5	4	29	35
		35+00W	5+62N 4+90N	72	2	1	YES	711	8	5	13.6	12.2
		34+00W	6+11N 5+53N	58	1	.5	YES	492	8	8	7.9	6.8
		33+00W	6+80N- 5+98N	82	.7	.3	YES	828	9	14	2.8	1.6
		32+00W	7+13N- 7+41N	72	-	-	YES	729	7	-	0.8	-
		31+00W	7+28N- 6+87N	41	-	-	YES	3903	9	-	0.8	-
2	1	37+00W	2+88N	MIN	-	-	NO	-	-	-	-	-
		36+00W	3+00N	MIN	-	-	NO	-	-	-	-	-
3	1	27+00W	5+12N- 5+95N	83	2	-	YES	1445	-	-	-	-
	1A	6+00N	26+57W- 26+93W	36	5	4	YES	2208	5	8	28	91
4	1	25+00W	7+56N	MIN	4	3	YES	988	29	34	30	92
		26+00W	6+77N	MIN	10	6	YES	1033	8	13	59	172
		27+00W	6+35N	MIN	.3	-	YES	1091	-	-	-	-
5	1	27+00W	7+85N	MIN	1	.5	NO	-	15	22	5.7	9.8
		26+00W	7+87N	MIN	2	.6	NO	-	14	13	9.1	12.4
6	1	26+00W	5+25N	MIN	-	-	NO	-	-	-	-	-
	1A	4+00N	26+41W	MIN	.3	-	NO	-	29	42	//	17
	1	27+00N	2+50N	MIN	.5	.5	NO	-	31	38	7.2	13.5
	1A	2+00N	27+43W	MIN	1	.6	NO	-	33	34	7.5	11
7	2	18+00W	11+15N	MIN	.3	-	FLANK	719	-	-	-	-
		17+00W	11+00N	MIN	1	.5	YES	1128	-	-	-	-
8	2	9+00W	5+83N	MIN	2	2	FLANK	453	44	50	15	57

Conductor #1 is a strong conductor becoming less conductive towards its eastern extremity. It coincides with the rock contact observed from the magnetic data.

Conductor #2 is an indefinite conductor.

Conductors #3, #4, and #5 are in close proximity and are associated with a disturbed magnetic pattern. Conductor #3 is quite wide and extremely conductive yet has a limited strike length. Conductor #5 may be along a rock contact.

Conductor #6 is a long weak conductor with a depth estimate of approximately 33 metres. It does not coincide with any magnetic structure yet appears quite long and continuous. At its northern extremity where it is close to conductors #3 and #4, the profiles become quite disturbed. This coupled with the observance of a long positive shoulder of conductor #4 on L25+00W, at approximately 6+00N, suggests there may be a N/S striking conductor located between lines 26+00W and 25+00W at approximately 6+00N.

Conductor #7 has poor conductivity and is classified as indefinite. It may reflect surficial conductivity.

Conductor #8 is a one line conductor with a depth estimate of 44 to 50 metres. Its strike direction is uncertain due to its short strike length.

VLF Electromagnetic Survey

The North-south lines were read using the transmitting station at Cutler, Maine. The survey data was posted and profiled (Maps 88-132-1,2). The inphase data was "fraser filtered" to produce a contour map of the conductive horizons (Maps 88-133-1,2). The east west cross lines were read using the transmitting station at Annapolis, Maryland. This data was posted and profiled (Map 88-132-1a) however, due to the wide line spacing was not "fraser filtered".

The strongest anomalies are listed below.

<u>VLF Conductor #</u>	<u>Western Extremity</u>	<u>Eastern Extremity</u>
1	L38+00W, 4+00N	L31+00W, 7+25N
2	L36+00W, 4+50N	L30+00W, 7+00N
3	L27+00W, 7+75N	L25+00W, 7+50N
4	L37+00W, 3+00N	L36+00W, 3+00N
5	L25+00W, 3+00N	L20+00W, 1+00N
6	L19+00W, 11+50N	L10+00W, 10+50N
7	L12+00W, 11+50N	L7+00W, 5+50N
8	L2+00N, 27+30W	L4+00N, 26+33W

VLF conductors #1 and #2 coincide with the wide HLEM conductor #1.

VLF conductor #3 coincides with HLEM #5, however the VLF response is stronger.

VLF conductor #4 coincides with HLEM #2, however, the VLF response is stronger.

VLF conductor #5 follows a NW magnetic trend with no apparent coincident HLEM conductor.

VLF conductor #6 follows HLEM #7 but extends beyond the limits of the HLEM conductor.

VLF conductor #7 is a long conductor which coincides with HLEM #8 which has a very short strike length.

VLF conductor #8, located on the EW trending lines coincides with HLEM #6.

Conclusions and Recommendations

With a few exceptions, the conductors follow an east-west trend perpendicular to the line direction. Most of the VLF conductors located, which were also located by the HLEM system, appear to be stronger and have a greater strike length with the VLF survey. This is due to the ability of the VLF system to locate very weakly conductive features which have a long strike extent. The horizontal loop system is designed to locate more conductive, and discreet conductors. The VLF system, however, is affected by resistivity contrasts, conductive overburden, and steep topographical changes. Therefore caution must be used when interpreting VLF anomalies.

The conductive zones which require additional investigation are:

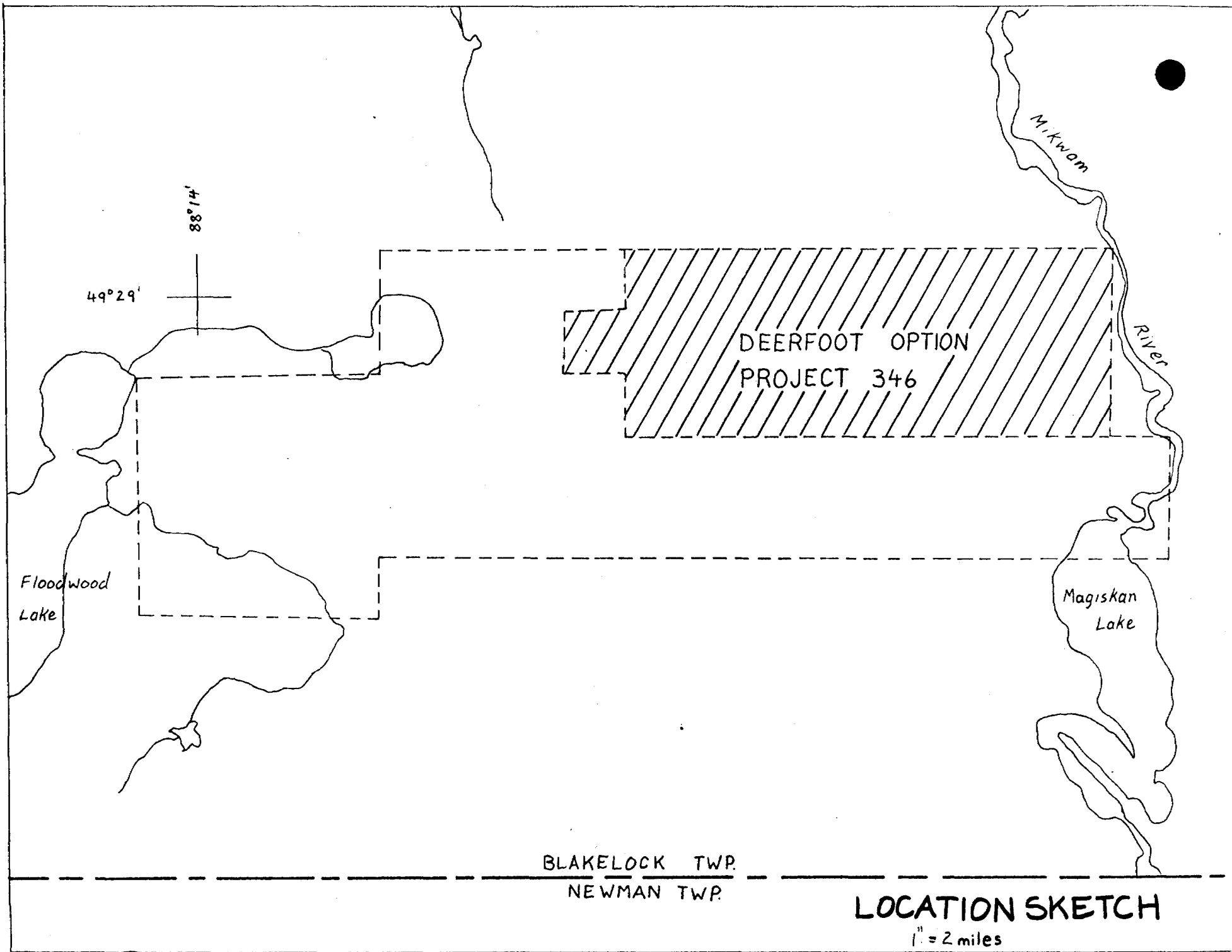
- HLEM Conductors # 1 - which lies along the rock contact
3 - which has a short strike extend yet is quite wide
6 - which appears to follow no magnetic trend
8 - which is a one line conductor

Further work should be planned after correlation of the data presented with the known geology.

Respectfully submitted,



Louis Racic, Geophysicist
Geosearch Consultants Ltd.



$49^{\circ}29'$

$88^{\circ}14'$

Floodwood
Lake

DEERFOOT OPTION
PROJECT 346

Mikwom

River

Magiskan
Lake

BLAKELOCK TWP.
NEWMAN TWP.

LOCATION SKETCH

$1" = 2 \text{ miles}$



File _____

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Magnetic, HLEM and VLF-EM Surveys
Township or Area Blakelock Twp.
Claim Holder(s) Placer Dome Inc.
Survey Company Geosearch Consultants Limited
Author of Report Louis Racic
Address of Author 360 - 111 Queen St.E., Toronto
Covering Dates of Survey 01/12/87 - 27/04/88
Total Miles of Line Cut 49.03 km.

MINING CLAIMS TRAVERSED
List numerically
Table with columns for prefix and number, listing claim ranges like L 755547 - 755549.

SPECIAL PROVISIONS CREDITS REQUESTED
Table with columns for Geophysical and DAYS per claim, listing 40 days for Electromagnetic and Magnetometer.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)
Magnetometer _____ Electromagnetic _____ Radiometric _____
DATE: 27/04/88 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys
Table with columns: File No., Type, Date, Claim Holder

TOTAL CLAIMS 25



42H08NE0010 2.11247 BLAKELOCK

900

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Magnetic, HLEM and VLF-EM Surveys

Township or Area Blakelock Twp.

Claim Holder(s) Placer Dome Inc.

Survey Company Geosearch Consultants Limited

Author of Report Louis Racic

Address of Author 360 - 111 Queen St.E., Toronto

Covering Dates of Survey 01/12/87 - 27/04/88
(linecutting to office)

Total Miles of Line Cut 49.03 km.

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L 755547	- 755549
L 755552	
L 848384	- 848398
L 997166	- 997168
L 997175	- 997177

If space insufficient, attach list

**SPECIAL PROVISIONS
CREDITS REQUESTED**

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

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
-Electromagnetic	<u>20</u>
-Magnetometer	<u>40</u>
-Radiometric	_____
-Other (HLEM)	<u>20</u>
Geological	_____
Geochemical	_____

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

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

DATE: 27/04/88 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications 2.8017

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 25

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 2010 Number of Readings Mag. HLEM VLF-EM 4020 1866 4020
Station interval 25m (12.5) Line spacing 100 m
Profile scale 1 cm. to 20%
Contour interval 25 gamma

MAGNETIC

Instrument EDA Omni IV Magnetometer
Accuracy - Scale constant 0.1 gammas
Diurnal correction method Base station recorder with readings taken at
Base Station check-in interval (hours) 20 second intervals.
Base Station location and value L42+00W, 0+00 58,812

ELECTROMAGNETIC

Instrument HLEM - Apex Maxmin II VLF - EM - EDA Omni Plus
Coil configuration co-planar
Coil separation 100 metres
Accuracy 1% 1%
Method: VLF-EM [X] Fixed transmitter [] Shoot back HLEM [X] In line [] Parallel line
Frequency HLEM - 1777 & 444 hz. VLF-EM - NAA cutler, maine, NSS annapolis, md.
Parameters measured Inphase and quadrature responses of the vertical secondary field

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode



Ministry of Northern Development and Mines

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

DOCUMENT No. W8808-232

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.

346
Deerfoot Option Mining Act 211247

Type of Survey(s) Magnetic, HLEM and VLF - EM Surveys	Township or Area Blakelock Twp.
Claim Holder(s) Placer Dome Inc.	Prospector's Licence No. T - 837
Address Box 350, IBM Tower, TD Centre, Toronto, Ontario M5K 1N3	
Survey Company Geosearch Consultants Limited	Date of Survey (from & to) 01 12 87 27 04 88 Day Mo. Yr. Day Mo. Yr.
Total Miles of line Cut 49.03 km.	
Name and Address of Author (of Geo-Technical report) Louis Racic, 360-111 Queen St. E., Toronto, Ontario M5C 1S2	

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	20
	- Magnetometer	40
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	6 ^{Other} 1988 (HLEM)	20
	Geological	
	Geochemical	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L X	755547		L	997176	
	755548	20 days Mag		997177	
*	755549				
*	755552				
*	848384				
	848385	20 days Mag			
	848386	20 days Mag			
	848387	20 days Mag			
	848388	20 days Mag			
*	848389				
	848390	20 days Mag			
	848391	20 days Mag			
*	848392				
*	848393				
*	848394				
*	848395				
	848396	20 days Mag			
	848397	20 days Mag			
*	848398				
	997166				
	997167				
	997168				
	997175				

* maximum credits allowed.

Total number of mining claims covered by this report of work. **75**

Man Days	Geophysical	Days per Claim
Complete reverse side and enter on back of this report	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Type of Work Performed	ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES
Performed on Claim(s)	OFFICE
	JUL 8 - 1988

Calculation of Expenditure Days Credits	Total Days Credits
Total Expenditures	RECEIVED
\$	+ 15 =

Date	Recorded Holder or Agent (Signature)
MAY 24/88	<i>Louis Racic</i>

For Office Use Only		Mining Recorder	
Total Days Cr. Recorded	Date Recorded	<i>Sh. G. Weerme</i>	
660	May 26/88		
	Date Approved as Recorded	Branch Director	
<i>L.P.</i>	88/04/01	<i>ATB</i>	

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
Louis Racic, 360-111 Queen St. E., Toronto, Ontario M5C 1S2

Date Certified **27/04/88** Certified by (Signature) *Louis Racic*

LEGEND

HIGHWAY AND ROUTE NO.
 OTHER ROADS
 SURVEYED LINES
 TOWNSHIP BASE LINES, ETC.
 LOTS, MINING CLAIMS, PARCELS, ETC.
 UNSURVEYED LINES
 PARCEL BOUNDARY
 MINING CLAIMS ETC.
 RAILWAY AND RIGHT OF WAY
 UTILITY LINES
 STREAM
 FLOODING OR FLOODING RIGHTS
 SUBDIVISION OR COMPOSITE PLAN
 RESERVATIONS
 ORIGINAL SHORELINE
 MARSH OR MUSKEG
 TRAIL/SEE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT **SYMBOL**
 PATENT, SURFACE & MINING RIGHTS ●
 SURFACE RIGHTS ONLY ○
 MINING RIGHTS ONLY ◐
 LEASE, SURFACE & MINING RIGHTS ◑
 LICENCE OF OCCUPATION ◒
 ORDER IN COUNCIL ◓
 RESERVATION ◔
 CANCELLED ◕
 SAND & GRAVEL ◖
 NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 4, 1900 ARE SUBJECT TO THE MINING ACT AS OF 1900. CLAIM 300 SEC. 63, SUBSEC. 1, L.

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE HOBLITZELL FALLS MANAGEMENT UNIT OPERATING UNDER THE FORESTRY ACT AND MAY BE REGISTERED FOR THIS AREA. CAN BE CONTACTED AT: P.O. BOX 730 COCHRANE, ONT. POL. 502-4385 1-800-276-4385

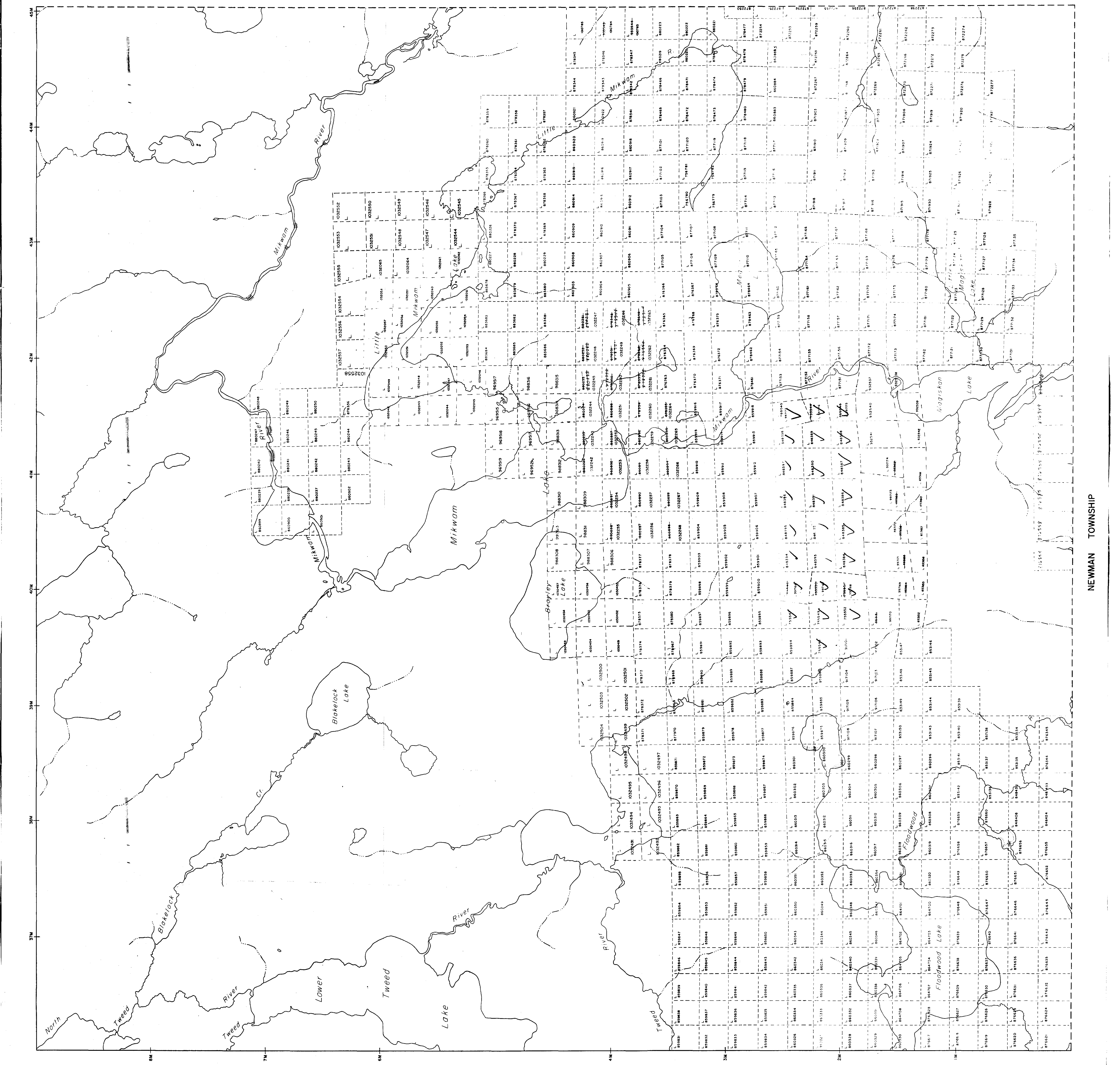
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TOWNSHIP
BLAKELOCK
 M.M.R. ADMINISTRATIVE DISTRICT
COCHRANE
 MINING DIVISION
LARDER LAKE
 LAND TITLES / REGISTRY DIVISION
COCHRANE
 Ministry of
 Northern Development
 Resources and Mines
 Ontario

HOBLITZELL TOWNSHIP

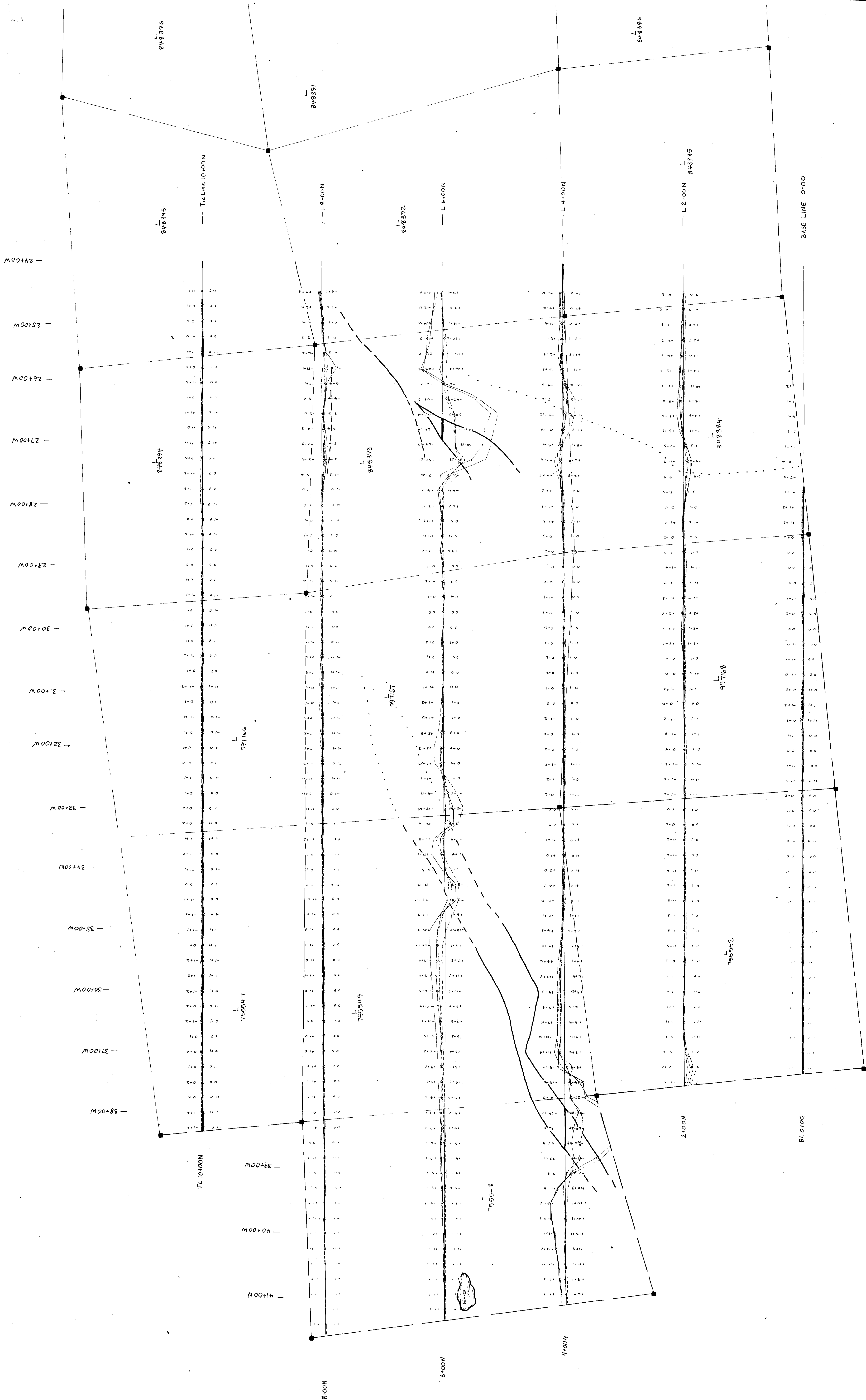


AREAS WITHDRAWN FROM DISPOSITION

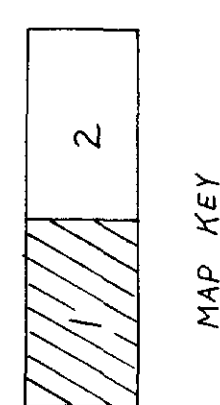
M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M+S - MINING AND SURFACE RIGHTS
 Description Order No. Date Disposition File

20M
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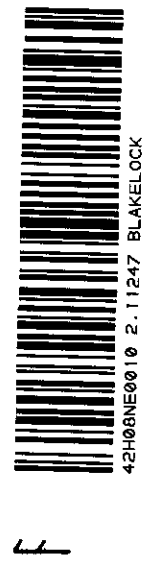


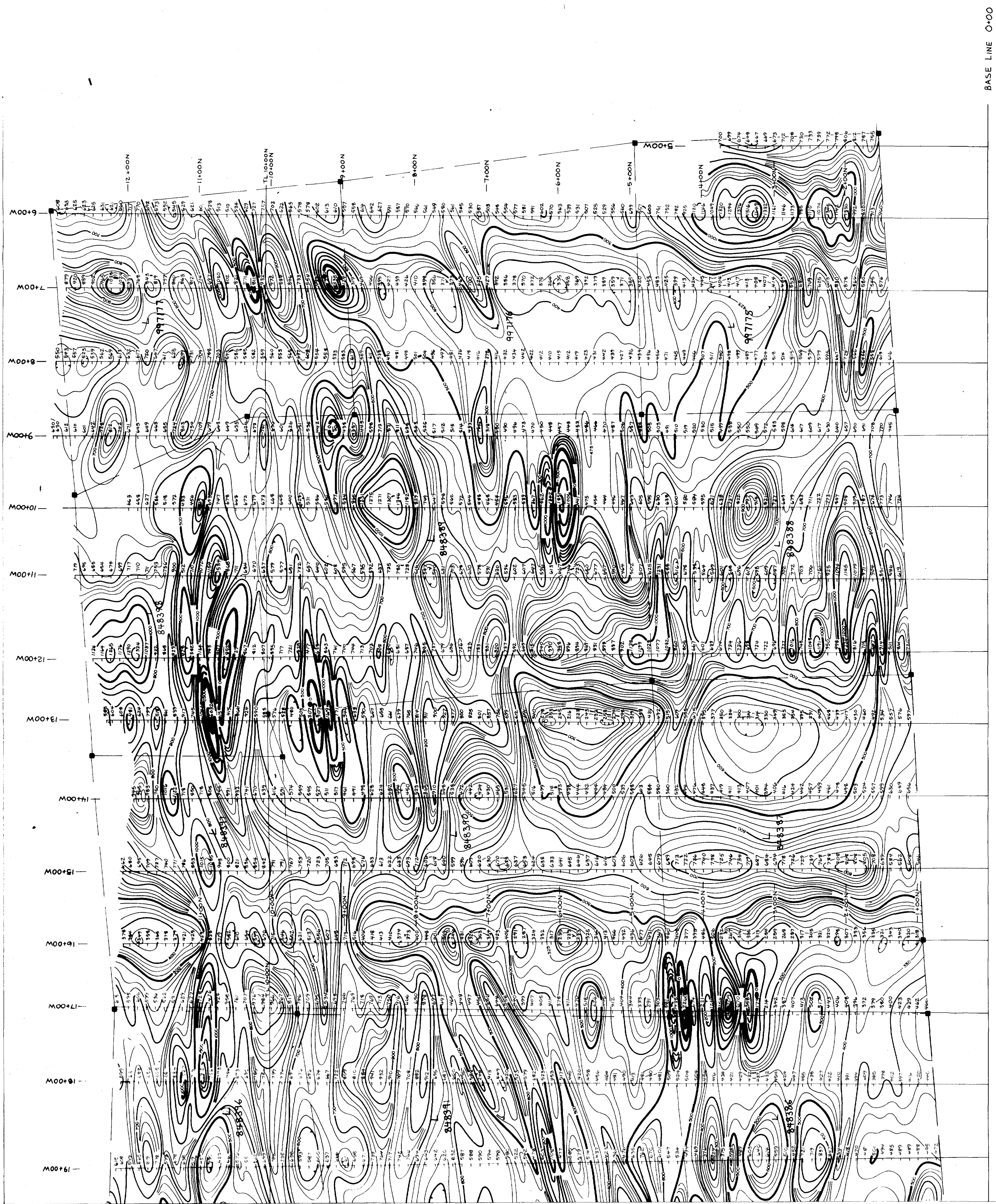


2.1124 HORIZONTAL LOOP ELECTROMAGNETIC SURVEY
 by
 GEOSURCH CONSULTANTS LIMITED
 for
 PLACER DOME INC.
 PROJECT 346
 DEERPOOT OPTION
 BLAKELOCK TOWNSHIP, ONTARIO
 SCALE - 1:2500
 DATE FEB 1988
 DRAWN



LEGEND
 COIL INTERVAL - 100 m
 FREQUENCIES - 447 Hz & 177 Hz
 PROFILE SCALE - 1 cm = 20 m
 IN-PHASE - High Freq. Low Freq.
 OUT-OF-PHASE - High Freq. Low Freq.
 CONDUCTOR - 5 mm
 CONDUCTIVE ZONE - 1 m
 (not same conductivity) 5 mm
 Work



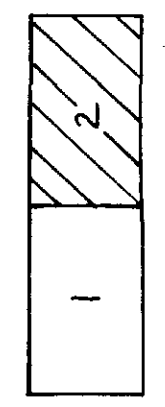


BASE LINE 0+00

LEGEND

- Contour interval..... 25 gamma
- 25 gamma contour.....
- 100 gamma contour.....
- 500 gamma contour.....
- 2500 gamma contour.....
- Depression.....

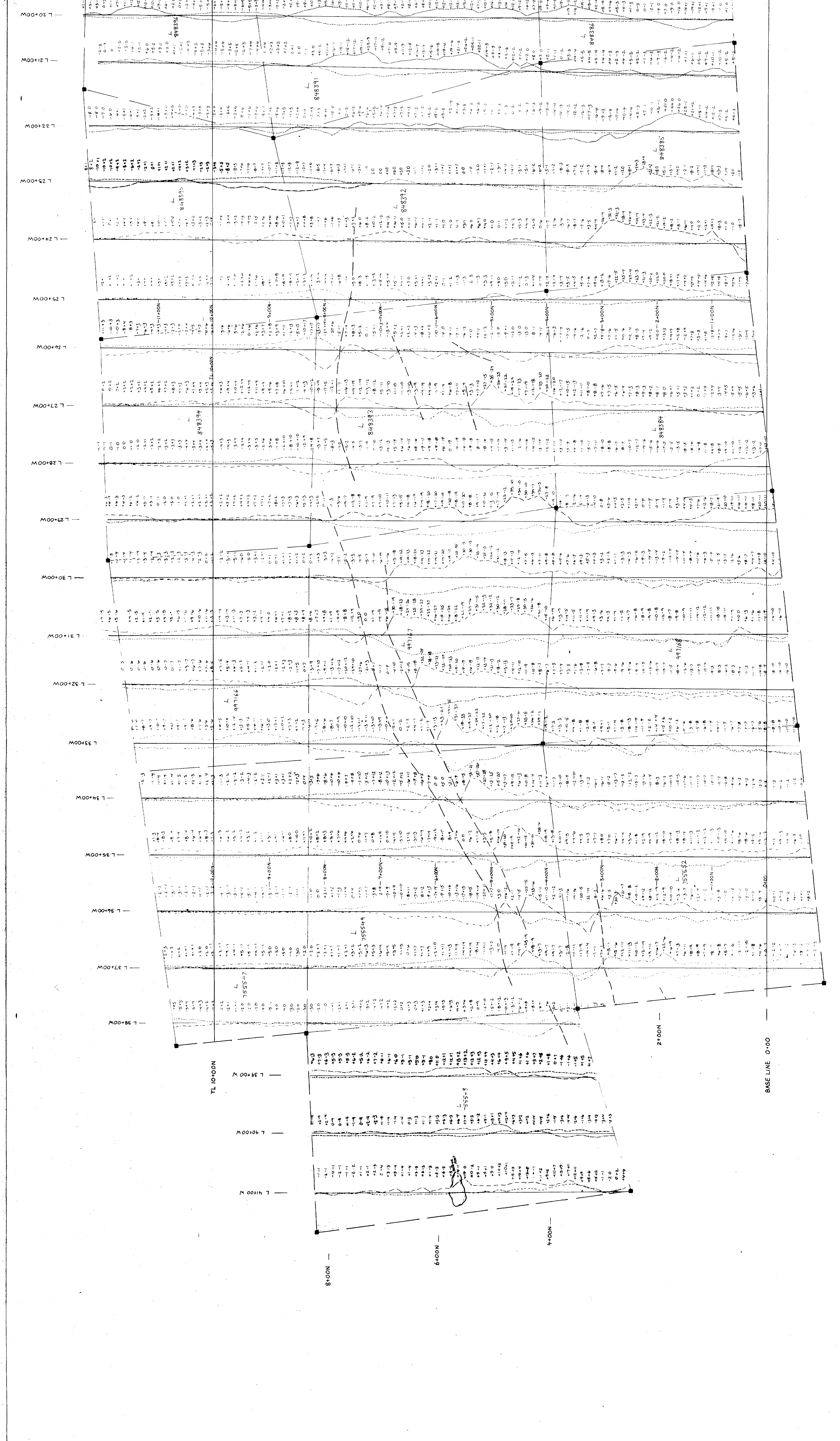
- + READINGS IN GAMMAS
- + FOR ABSOLUTE VALUES, ADD 91 000 GAMMAS TO PLOTTED READINGS



MAP KEY

TOTAL FIELD MAGNETIC SURVEY
by
2.1124 RESEARCH CONSULTANTS LIMITED
for
PLACER DOME INC.
PROJECT 346
DEERFOOT OPTION
BLAKELOCK TOWNSHIP, ONTARIO
SCALE - 1:2500
DATE: FEB. 1988
DRAWN BY: *[Signature]*





V.L.F. ELECTROMAGNETIC SURVEY
By
2.1124 GEOFSEARCH CONSULTANTS LIMITED
for
PLACER DOME INC.
PROJECT 346
DEERPOINTE MINE
BLAKELOCK TOWNSHIP, ONTARIO
SCALE: 1:2500
DATE: FEB. 1988
DRAWN: *[Signature]*

2

MAP KEY

LEGEND

N PHASE ———

QUADRATURE - - - - -

CONDUCTOR ANOM. ———

READING DIRECTION

STATION POSITION

MAA OUTER MINE

1:2500

1:5000

1:10000

20%

40%

BASE LINE 0-00

2400N

8400N

6400N

4400N

L 4100 W

L 4000 W

L 3900 W

L 3800 W

L 3700 W

L 3600 W

L 3500 W

L 3400 W

L 3300 W

L 3200 W

L 3100 W

L 3000 W

L 2900 W

L 2800 W

L 2700 W

L 2600 W

L 2500 W

L 2400 W

L 2300 W

L 2200 W

L 2100 W

L 2000 W

M00+02 L

M00+01 L

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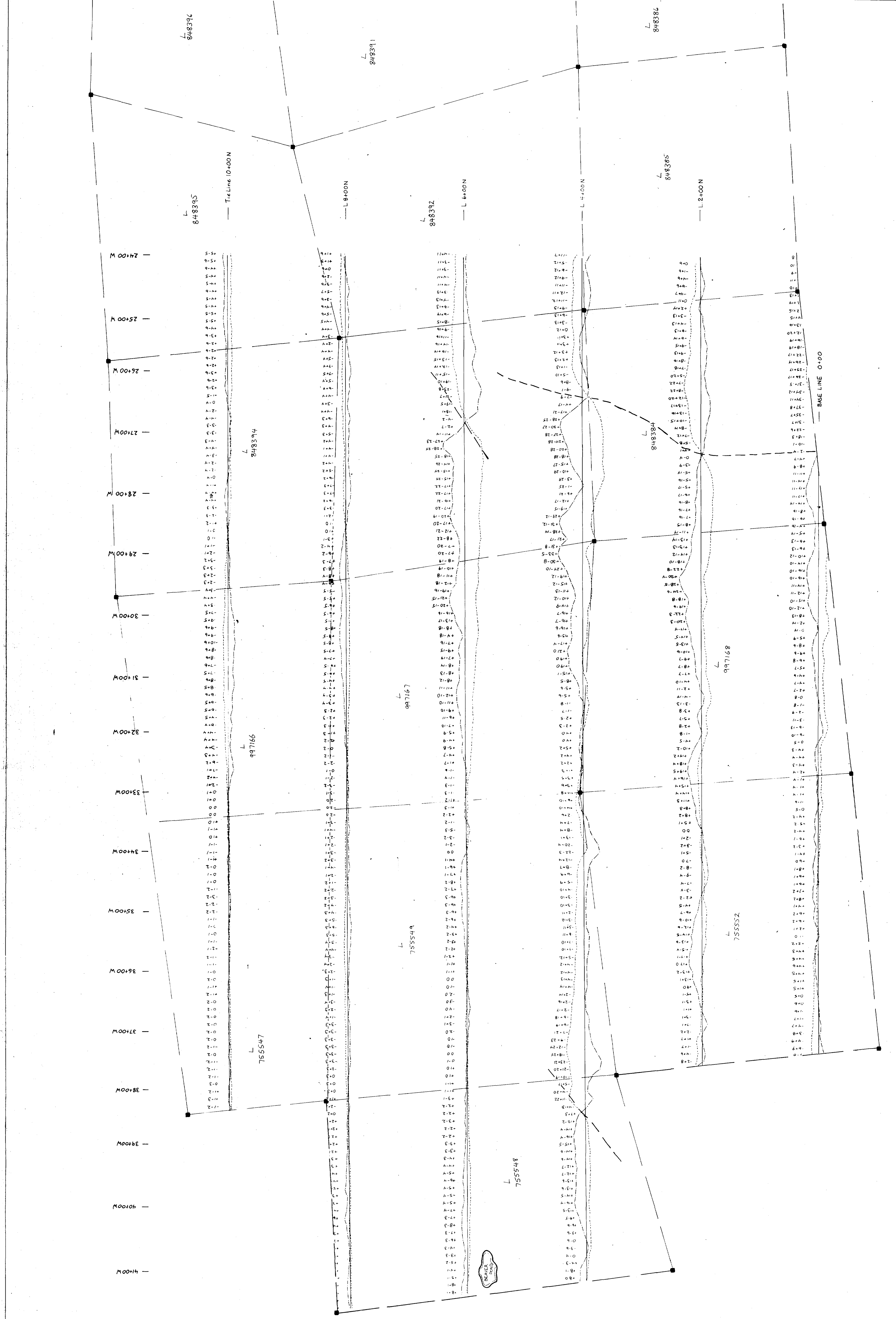
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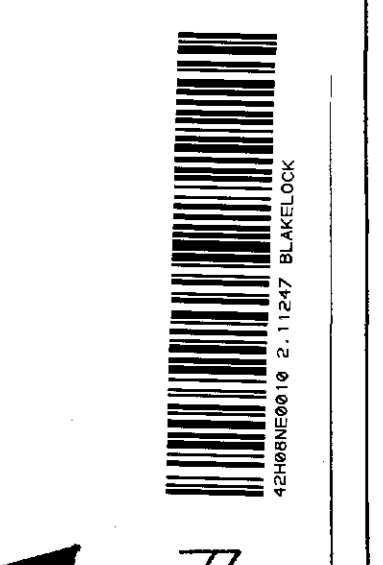
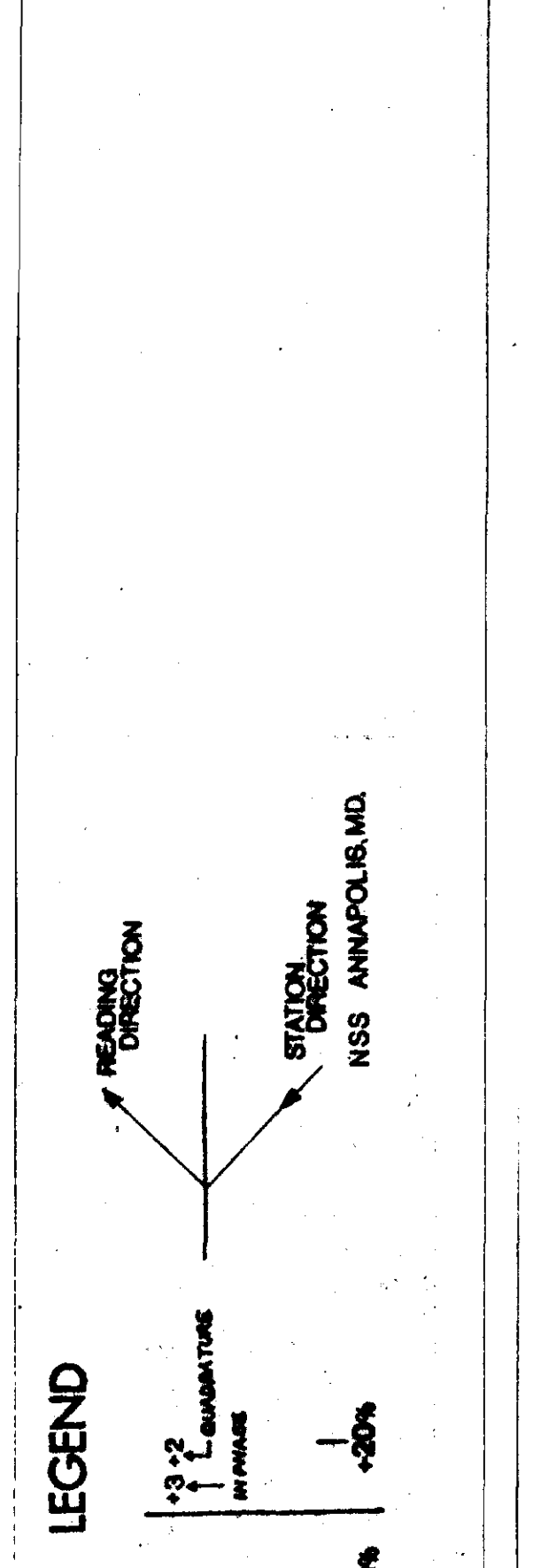
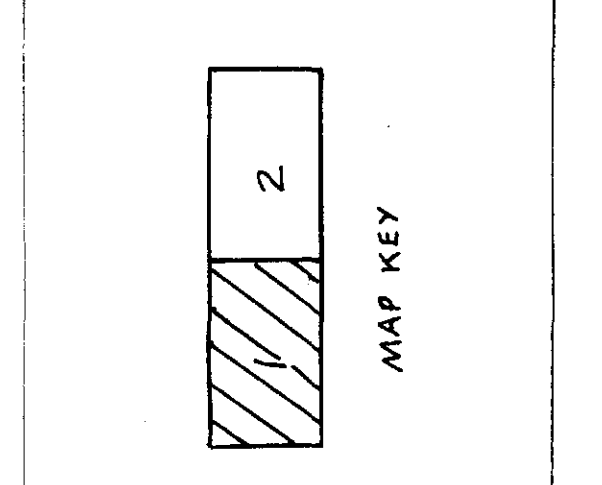
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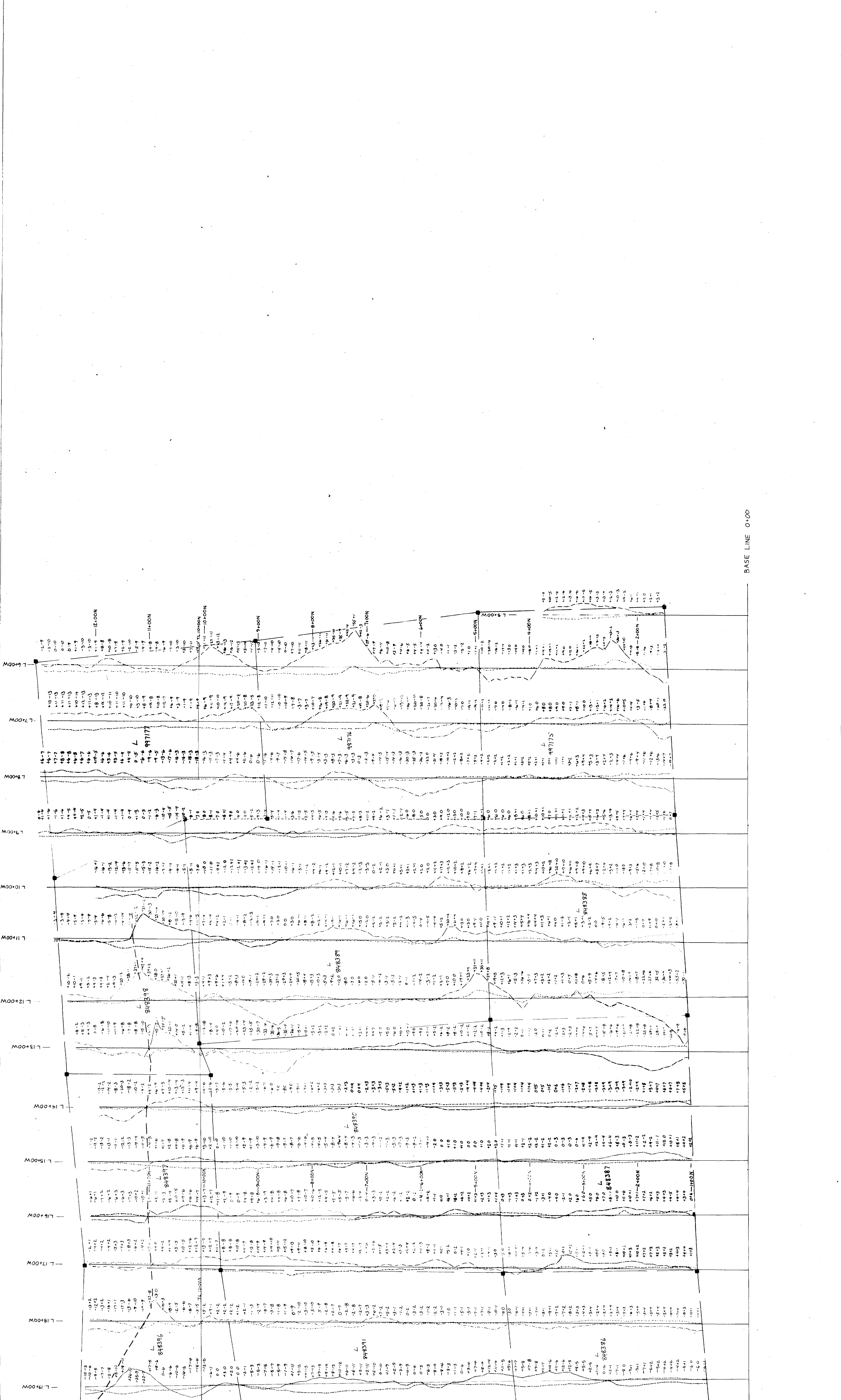
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M00+01 L



VLF ELECTROMAGNETIC SURVEY
 FOR
2.1124 GEORESEARCH CONSULTANTS LIMITED
 PLACER DOME INC.
 PROJECT 346
 DEERFOOT OPTION
 BLAKELOCK TOWNSHIP, ONTARIO
 SCALE - 1:2500
 DATE: FEB. 1988
 DRAWN: *[Signature]*
 88-1324





VLF ELECTROMAGNETIC SURVEY
by
GEOSEARCH CONSULTANTS LIMITED
for
PLACER DOME INC.
PROJECT 3346
DEEPCROFT OPIATION
BLAKELOCK TOWNSHIP, ONTARIO
SCALE - 1:2500
DATE: FEB. 1988
DRAWN: *[Signature]*

2.11247

88-1322

1

MAP KEY

READING DIRECTION

STATION DIRECTION

NAA OUTLIER MINE

LEGEND

N PHASE:

QUATERNARY:

CONDUCTOR AXIS:

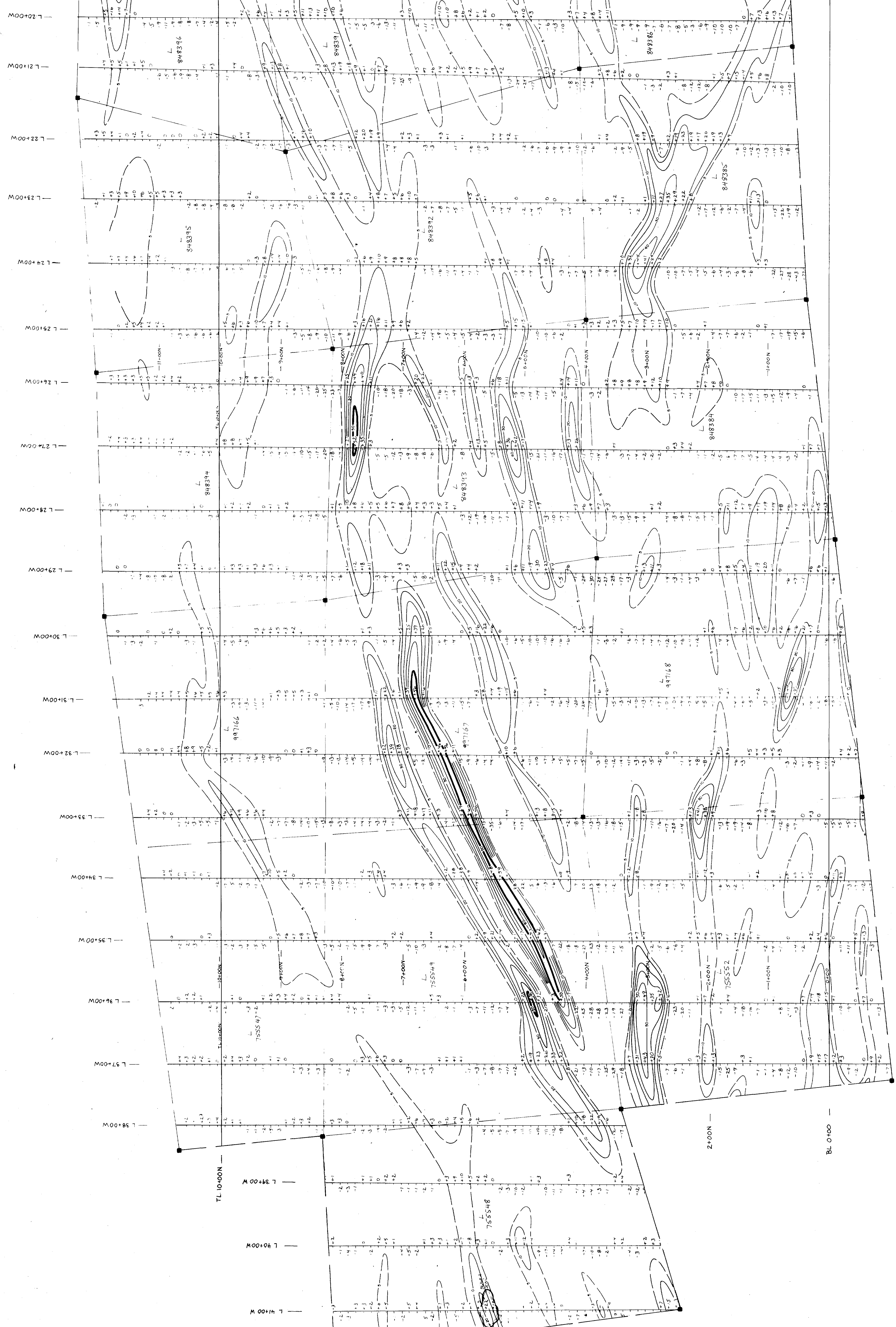
13.2
N PHASE

+20%

-20%

BASE LINE 0+00

280

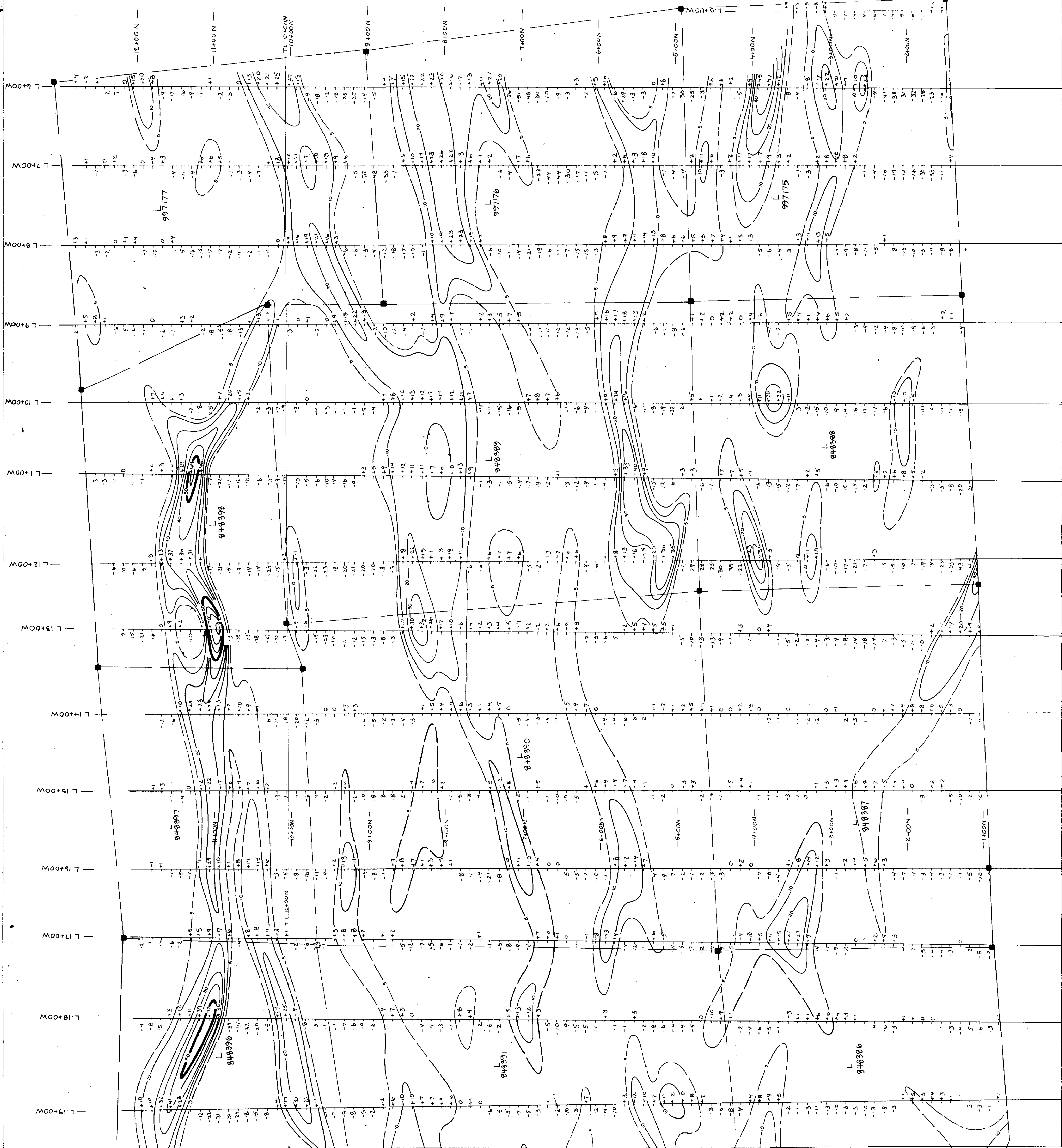


FRASER FILTERED
VLF ELECTROMAGNETIC SURVEY
by
2.1124 GEOSearch CONSULTANTS LIMITED
for
PLACER DOME INC.
DEFERRED LITHIUM
EXPLORATION
BLAKELOCK TOWNSHIP, ONTARIO
SCALE - 1:2500
DATE: FEB. 1988
DRAWN: EB

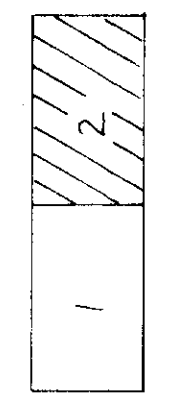
MAP KEY
2

LEGEND
Contours of VLF EM Fraser Filtered data
+5 contour
+10 contour
+50 contour

88-1331
290
BLAKELOCK TOWNSHIP, ONTARIO



LEGEND
 Contours of VLF EM Fraser filtered data
 + 5 contour
 + 10 contour
 + 50 contour



FRASER FILTERED
 VLF ELECTROMAGNETIC SURVEY
 BY
GEOSEARCH CONSULTANTS LIMITED
 for
PLACER DOME INC.
PROJECT 346
 DEEPCREEK OPTION
 BLAKELOCK TOWNSHIP, ONTARIO
 SCALE: 1:2500
 DATE: FEB. 1988
 DRAWN: E.E.

2.11.24

88-133-2



300