

ELC GEOPHYSICAL REPORT
NO. M -71-117
MLM CLAIMS GROUP
50° N - 120° W
FOR MAMIT LAKE MINES LTD.
HIGHLAND VALLEY AREA
18 MILES NORTH OF MERRITT, B.C.
JANUARY 2, 1971 to MARCH 9, 1971

*Plotted
No Deposit*

92I/4W

by D.L.HINGS, P. ENG.

2899

This is report No. M-71-117
for Mamit Lake Mines Ltd.
Nicola Mining Division of B.C.
January 2, 1971 to March 9, 1971

TABLE OF CONTENTS

	PAGE
Purpose	1
Instrumentation	1
Presentation	2
Geological Reference	2
Results	3
Summary	3

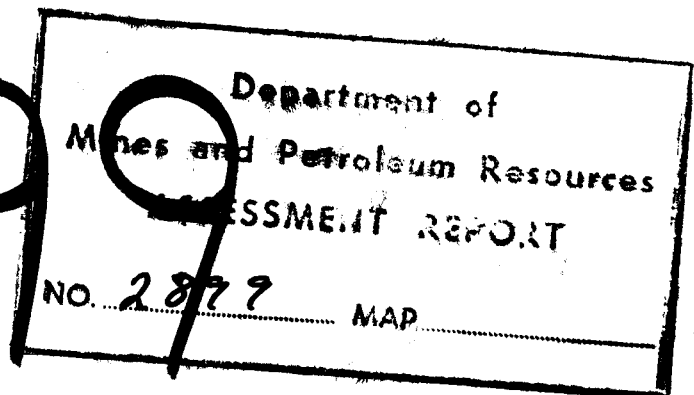
PLANS

#2 M Profile	M-71-117
#1 Location Map	M-71-117-L
#3 Claims Map	M-71-117-C

ELC GEOPHYSICS LTD.
250 NORTH GROSVENOR AVE.
BURNABY 2, B.C.

298-9619

2809



ELC GEOPHYSICS GEOPHYSICAL REPORT NO. M-71-117 ON A
MAGNETOMETER SURVEY COVERING AN EASTERN PORTION OF THE
MAMIT LAKE MINES PROPERTY IN THE NICOLA MINING DIVISION
OF THE PROVINCE OF BRITISH COLUMBIA. 50° N. LATITUDE,
120° W. LONGITUDE. JANUARY 2nd, 1971 to MARCH 9, 1971.
MLM CLAIMS GROUP

Purpose:

This is a preliminary report covering a portion of a larger area surveyed over the Mamit Lake Property. The purpose of the survey is to correlate the various geophysical areas with comparable methods of instrumentation, that had previously been surveyed in smaller sections with various types of geophysical instrumentation.

Instrumentation:

The magnetometer survey was conducted with a vertical field fluxgate magnetometer manufactured by Sabre Electronics of Vancouver, B.C. and is of the self-levelling type reading directly in gammas. The instrument is not influenced by horizontal orientation.

...con't...

Presentation:

The plan drawing No. M-71-117 shows the grid layout with a central baseline running approximately north and south with east-west gridlines spaced along the control line approximately every four hundred feet. The east-west gridlines were closed on the ends forming alternate north-south gridlines. Stations are spaced throughout at one hundred foot intervals. The magnetic vertical field readings are shown in profile form based on a zero of 55,000 gammas and having a profile value of 1,000 gammas per inch. The readings +55,000 are above the line and -55,000 below the line. The north-south lines should be viewed from the east side.

Geological Reference:

Geology and geochronology of the Geeshon Creek Patholith bulletin No. 56 by K.E. Northcoat, British Columbia Department of Mines and Petroleum Resources.

Location:

The location is as shown on the location

...con't...

map No. M-71-117-L, the nearest coordinates are 120°W.
50° N.

Results:

Referring to plan drawing No. M-71-117 a general low magnetic area extends north and south through the CZ1 zone on the east side of the survey and is divided in the northern portion by the contact anomaly C1 from CZ2, a zone of slightly higher magnetic susceptibility.

Zone CZ2 appears to be separated from the anomalous zone by the apparent contact C2 having a northwest, southeast strike. Perpendicular to this formation change are the strong linear anomalies L1, L2, L3 and L4. In the southeast corner of the survey a division occurs along the strike of C3 between CZ1 zone and CZ3 zone.

Summary:

The relatively inactive and low magnetic susceptibility appears to extend throughout CZ1, a higher magnetic field strength having low anomalous

...con't....

profiles is within the zones of CZ2 and CZ3. The lower portion of C1 separates an area of low magnetic susceptibility CZ1 and the linear anomalous area L1, L2, L3 that all have northeast-southwest strikes. The L1 and L3 linear anomalies appear not to extend to the south although further work in this direction may prove otherwise. A tentative assessment of this preliminary survey indicates a relatively active area wherein the anomalies L1, L2 appear to be valid and do not coincide with any of the topography or drainage.

Conclusions are being withheld until all data has been processed from the total survey.


D.L. HINGS, P. ENG.
GEOPHYSICIST

A STATEMENT OF COSTS FOR GEOPHYSICAL SURVEY NO. M-71-117
 COVERING THE MLM CLAIMS, HIGHLAND VALLEY AREA, 18 MILES
 NORTH OF MERRITT, B. C. BY ELC GEOPHYSICS LTD. FOR MAMIT
 LAKE MINES LTD. JANUARY 2, 1971 to MARCH 9, 1971.

SURVEY CREW

R.L. Reece	6 days @ 60.00	\$ 360.00	
W. Mather	6 days @ 40.00	240.00	
G. Olheiser	6 days @ 32.00	<u>192.00</u>	792.00

Transportation

4 X 4 Truck	6 days @ 12.00	72.00	
Gas		<u>30.00</u>	102.00

Living Costs

18 mandays	@ 10.00		180.00
------------	---------	--	--------

Misc. Supplies			40.00
----------------	--	--	-------

Data Processing & Drafting

D.A. Cramer	4 days @ 60.00		240.00
-------------	----------------	--	--------

Interpretation & Report

D.L. Hings P. Eng.			
1 1/2 days @ 120.00			180.00

TOTAL			<u>\$ 1,534.00</u>
-------	--	--	--------------------

LOCATION MAP
SCALE:- 1:50,000
DWG.NO. M-71-117-L



AREA
SURVEYED



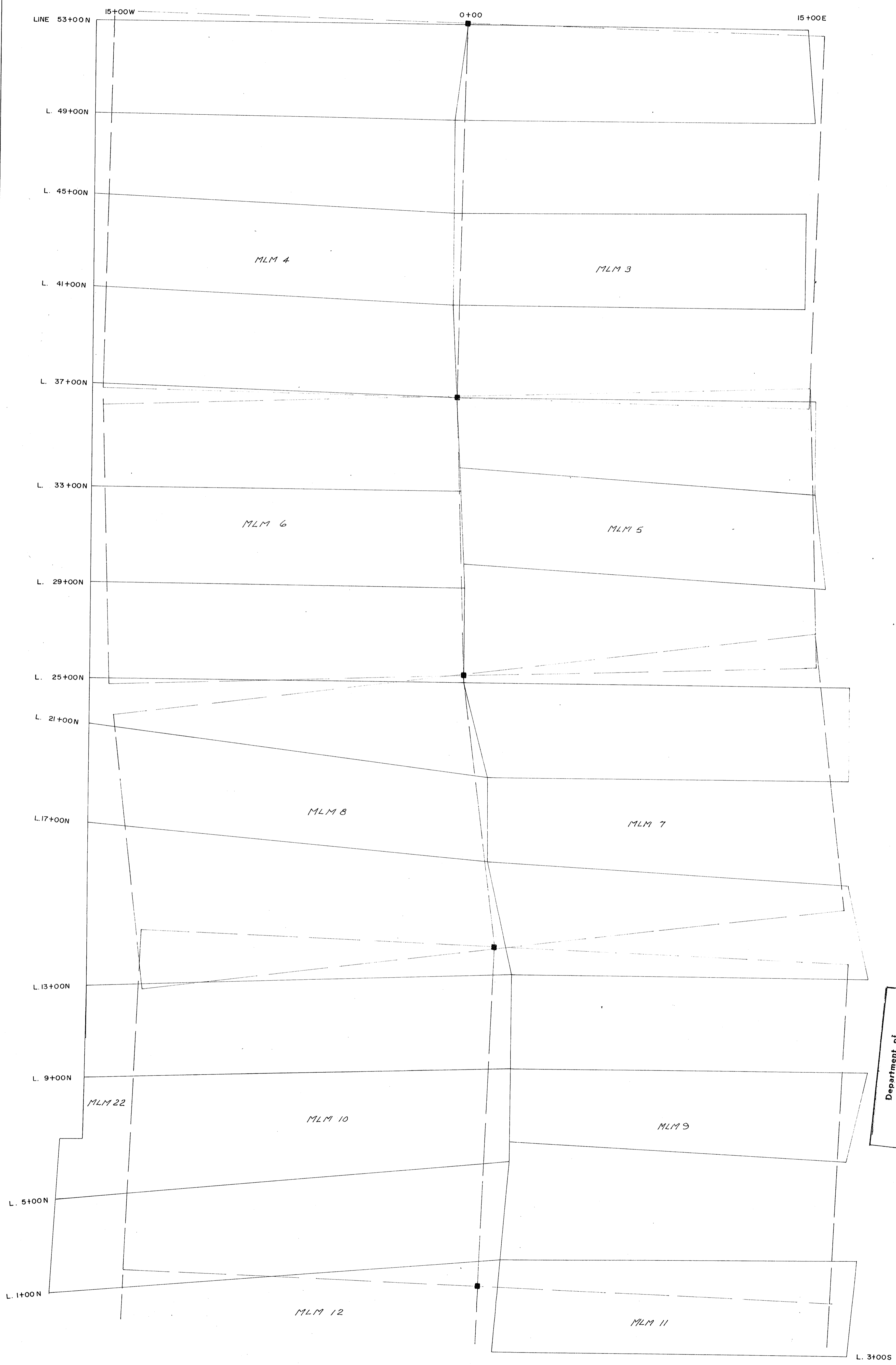
MAMIT
LAKE

To Jasper

Garrison Creek

To Merritt

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2899 MAP #1

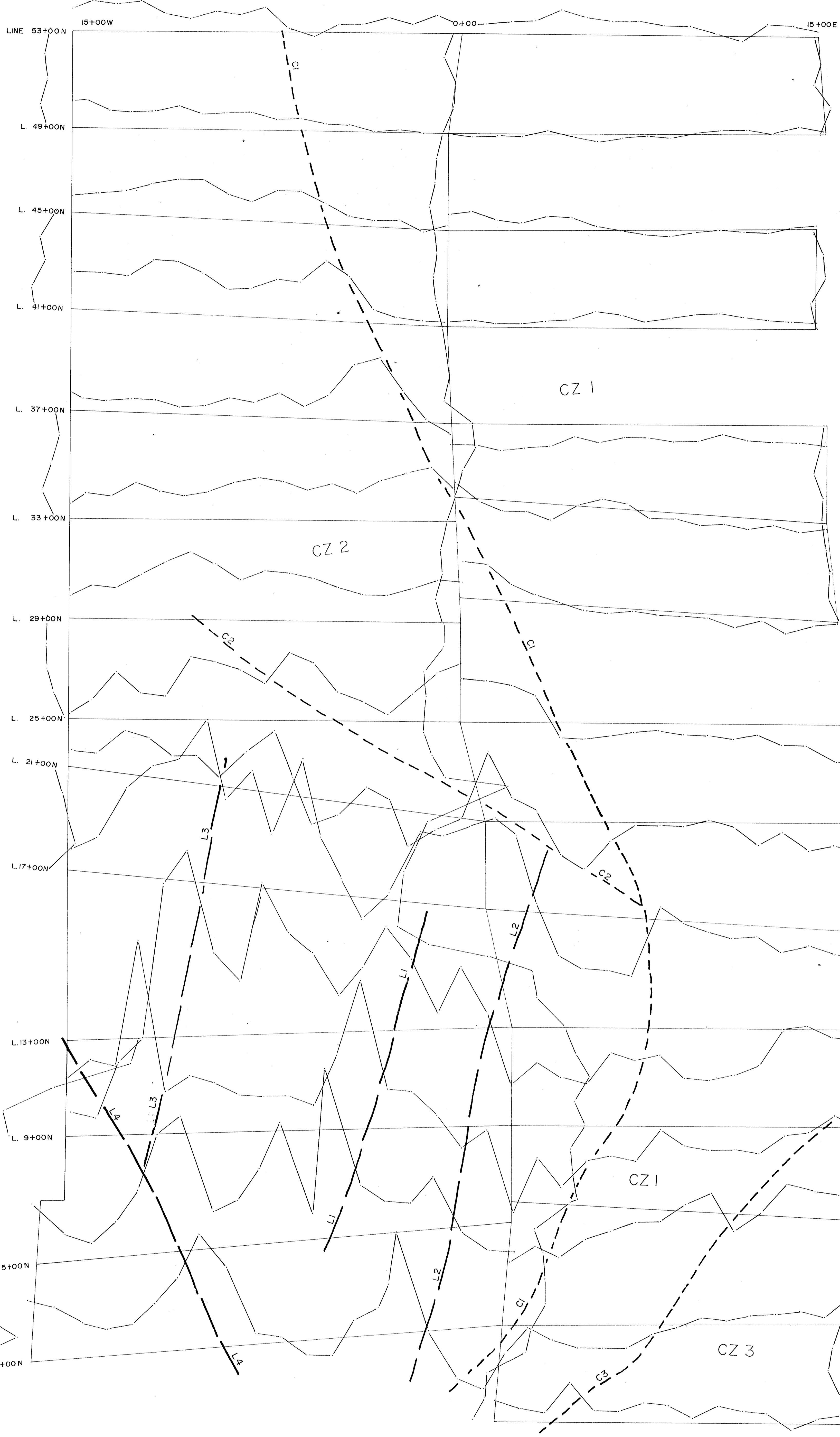


Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 2899 MAP 73

ELC GEOPHYSICS LTD.
 MLM GROUP HIGHLAND VALLEY, B.C.
 MAMIT LAKE MINES LTD.
 FEB. 1971 SCALE: 1" = 200' DWG. NO. M-71-117-C
 CLAIMS MAP
 APPROVED *[Signature]*

NOTE:-
 ——— SURVEY LINES
 - - - CLAIM LINE ■ CLAIM POST

M-3
 2899



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2899 MAP # 9

ELC GEOPHYSICS LTD.
MLM GROUP HIGHLAND VALLEY, B.C.
MAMIT LAKE MINES LTD.
FEB. 1971 SCALE: 1" = 200' DWG. NO. M-71-117
MAG PROFILES
APPROVED *[Signature]*

NOTE:-
— SURVEY LINES
— ZERO LINE 55,000 GAMMAS (1" = 1000 GAMMAS)
- - - CONTACT ANOMALY
- - - LINEAR ANOMALY

2899

M-2