

y

ELC GEOPHYSICS LTD.  
REPORT NO 72-213  
GUT AND CARM CLAIMS GROUP  
DOMINIC LAKE, B.C.  
50° N - 120° W

FOR G.S. ELDRIDGE  
SEPT. 20, to OCTOBER 25, 1972

by D.L.HINGS, P.ENG.

92I/10E

4217

4217

ELC GEOPHYSICS report No. 72-213  
GUT and CARM claims group  
Dominic Lake, B. C. 50° N - 120° W  
For G.S. Eldridge  
September 20, 1972 to October 25, 1972

92 I / 10E

TABLE OF CONTENTS

	<u>PAGE</u>
Purpose	1
Presentation	1
Location	2
Geological Reference	2
Personnel	2
Instrumentation	3
Geochemical Results	3
Magnetometer Results	4
EM results	4
Summary	5
Statement of Costs	6

PLANS

- #1 Combined Anomalous Plan 72-213-GC-A
- #2 EM Profile Plan 72-213-EM
- #3 Magnetometer Profile Plan 72-213-M
- #4 Location Plan 72-213-L
- #5 Area Surveyed

ELC GEOPHYSICS LTD.  
250 N. Grosvenor Ave.  
Burnaby 2, B.C.  
298-9619

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 4217 MAP

# elc geophysics ltd.

250 NORTH GROSVENOR, VANCOUVER, CANADA TELEPHONE: (604) 298-9619

ELC GEOPHYSICS LTD. REPORT NO. 72-213 COVERING THE GUT AND CARM GROUP OF CLAIMS FOR G.S. ELDRIDGE, LOCATED AT DOMENIC LAKE, 16 MILES SOUTHWEST OF KAMLOOPS, B.C. SEPT. 20, 1972 to OCTOBER 25, 1972.

---

## Purpose:

A reconnaissance type combined Em and Magnetometer geophysical survey involving some 15 claims in the approximate centre of the 50 of the GUT and CARM claims group was conducted to determine the whereabouts and evaluate anomalous features of potential geological interest.

A portion of the geophysical area surveyed was covered by a geochemical survey for copper determinations.

## Presentation:

The survey grid consists of east-west lines terminating on a north south base line 1 in the east and 2 in the west, with the northern east-west grid-line as the 00 coordinate. A total grid mileage is approximately 9.7 miles and the soil sampling 3.5 miles

con't...

at 100 foot intervals as indicated. The plan 72-213-GC-A shows the geochemical location of the determinations and value in ppm in copper, and also includes the EM and magnetometer linear anomalous features, combined with the outline of existing swampy areas.

The EM Values are shown on plan 72-213-EM and are along the grid lines in profile form.

The magnetometer results are shown on plan 72-213-M also in profile form along the gridlines.

Location:

The GUT and CARM claims group are immediately west of Dominic Lake, approximately 16 miles southwest of Kamloops, B.C., as indicated on the plan 72-213-L.

Geological Reference:

Geological Survey of Canada, Map 886A.

Personnel:

The survey was conducted by W. Mather and E. Wiggins.

con't...

Instrumentation:

The magnetometer survey was conducted with a vertical field fluxgate, self levelling magnetometer model M-110 manufactured by Sabre Electronics of Vancouver, B,C.

The EM survey was conducted with a type EM16 Ronka instrument operating on 18.6 KHZ from the U S Navy Station NPG located in Arlington, Washington, U.S.A.

The geochemical samples were taken from the B horizon, first by removal of any overlaying debris, then digging a hole, using a round mouthed spade, approximately 15 inches below the surface. A sample from the hole was packaged using a standard kraft soil bag. The Sample determinations were made by Acme Analytical Laboratories Ltd. 6455 Laurel Street, Burnaby.

Geochemical Results:

Referring to plan 72-213-GC-A the average background of geochemical determinations is approximately 35 ppm of copper for soil and 150 ppm for organic determinations. On the basis of the above figures there are no anomalous zones, however the average enrichment

con't...

increases to the north which is limited to the eastern half of the total area surveyed.

Magnetometer Results:

Refer to plan 72-213-GC-A the linear anomalies indicated by the lettering including an M, show a prominent northwest, southeast strike and in the northeast a slight ridge follows the L4-M1 strike in what otherwise is a relatively flat and periodically swampy area. Outcropping is most prominent in the area of L4-M and L5-M. The linear L1-M follows closely to the SW-1 swamp area and drainage to the southeast. It is significant that this drainage area does not show enrichment in copper determinations.

EM Results:


Conductive linear anomalies are shown with the letter E signifying the linear anomaly. The prominent linears L1E and L2E show the same general strike northwest, southeast as the magnetometer L7-M suggesting that this is a conductive linear anomaly. A slight enrichment occurs just south of these points on the gridlines 24 and 28 but are not enough to be of any significance.

con't...

The linear L3-E may be associated with small enrichments in the northeast portion of the survey and the linear L3-E2 falls closely to the magnetic linear L2-M and terminates at the coordinates 00+00 in the north at 20 W., which shows above average enrichment. The importance of the linears L4-E and L4-E1 that parallel the large swamp area SW-2 would require more geochemical work to the north for analysis.

Summary:

The southern and eastern portion of the survey shows only average background anomalous features. The northeast area has increasing enrichment to the north and if this trend persists, further work might be warranted over the CARM claims 12, 21, 22, 23 and 24.

  
D.L.Hings, P.Eng.  
Geophysicist

CB

A statement of costs covering  
ELC GEOPHYSICS LTD. Report No. 72-213  
Covering the GUT and CARM Claims Groups  
Dominic Lake, B.C. 50° N - 120° W  
For G.S. Eldridge, Sept 20, 1972 to Oct. 25, 1972.

---

Field Crew

W. Mather	14 days at \$50.00	700.00	
E. Wiggins	13 days @ 35.00	<u>455.00</u>	
			\$ 1155.00

Transportation

4 X 4 truck	13 days @ 12.00	156.00	
850 miles @ 12¢		<u>102.00</u>	
			258.00

Living Costs

26 mandays @ 12.00			312.00
--------------------	--	--	--------

Instruments & Equipment

EM 16	13 days @ 10.00	130.00	
Magnetometer	13 days @ 10.00	130.00	
Misc. Supplies	13 days @ 5.00	<u>65.00</u>	
			325.00

Plotting & Drafting

R.L. Reece	6 days @ 60.00	360.00	
D.A. Cramer	3 days @ 60.00	<u>180.00</u>	
			480.00

Interpretation & Report

D.L. Hings P. Eng.			
2 days @ 120.00			240.00

Soil Determinations

196 samples @ 1.00			196.00
--------------------	--	--	--------

---

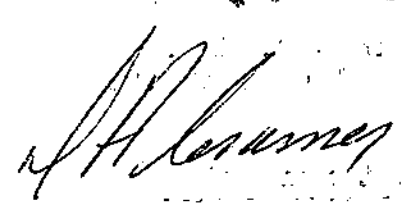
\$ 3026.00

---

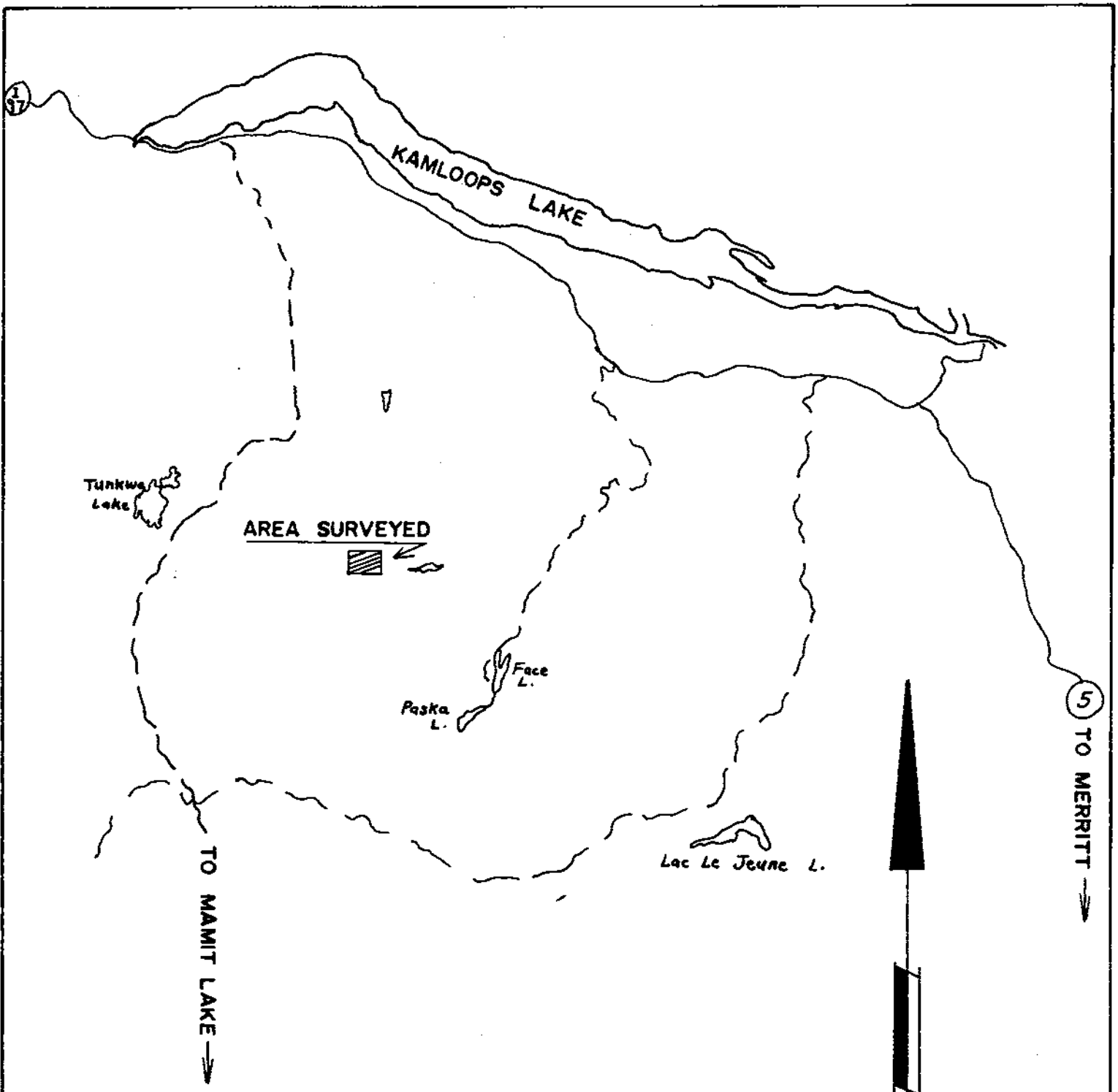
---



Declared before me at the *City*  
of *Vancouver*, in the  
Province of British Columbia, this *11th*  
day of *April*, 19*73*, A.D.

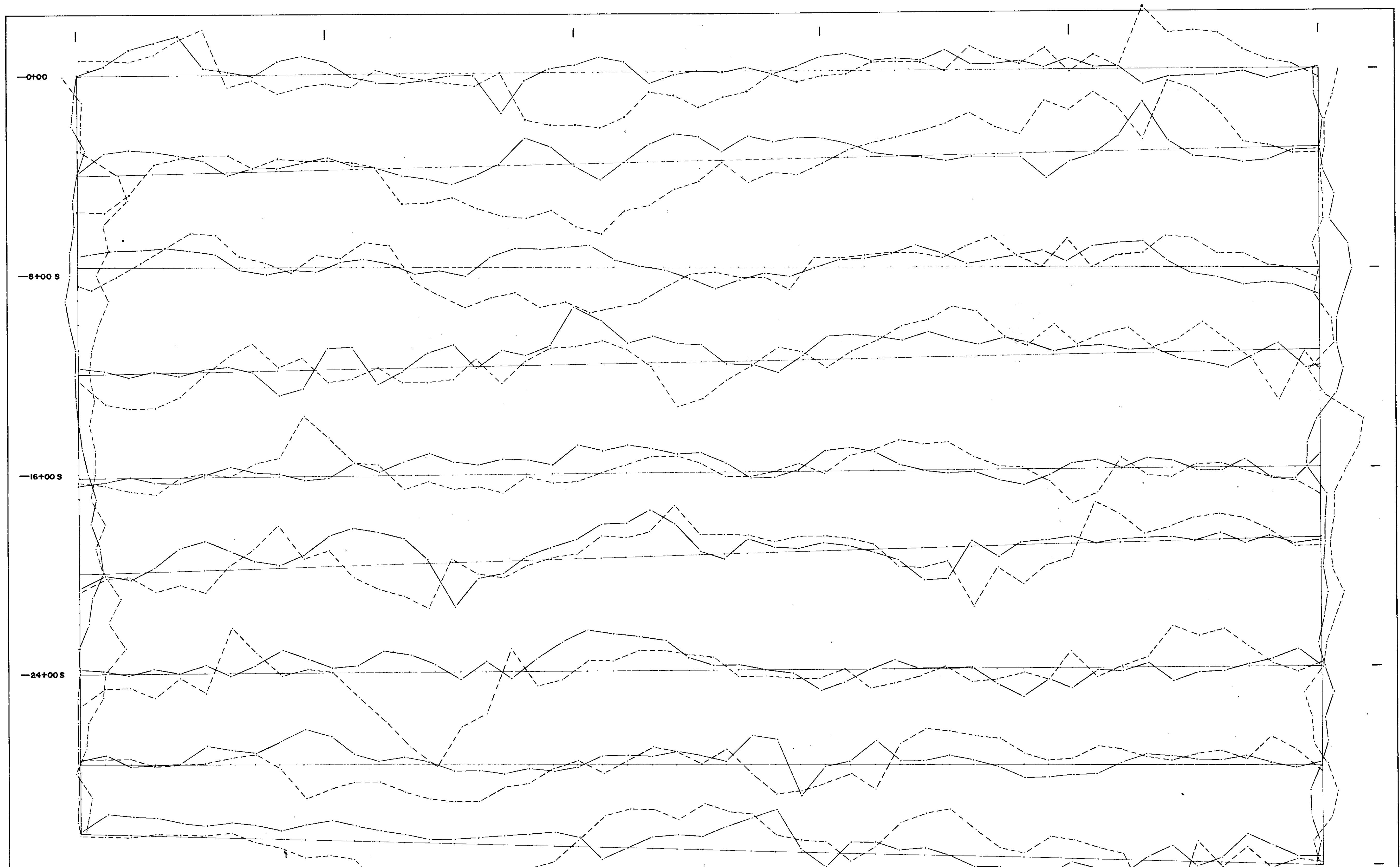


*J. Paul* SUB-MINING RECORDER  
A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia.



LOCATION PLAN  
 DWG. NO.: 72-213-L  
 GUT & CARM CLAIMS  
 KAMLOOPS M.D.  
 SCALE 1" = 4 MI.

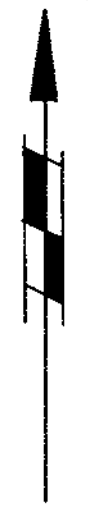
Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4217 MAP #4



ELC GEOPHYSICS LTD.  
 GUT & CARM CLAIMS DOMINIC LAKE, B.C.  
 G. S. ELDRIDGE  
 OCT. 1972 SCALE: 1"=200' DWG. NO: 72-213-EM  
 EM PROFILE PLAN  
 APPROVED: *[Signature]*

NOTE:  
 —+— SURVEY LINES & STATIONS  
 —±— ZERO LINE  
 - - - VERTICAL (1"=100%)  
 - - - HORIZONTAL (1"=20%)

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4217 MAP #2



50+00 W

40+00 W

30+00 W

20+00 W

10+00 W

0+00



ELC GEOPHYSICS LTD.  
 GUT & CARM CLAIMS DOMINIC LAKE, B.C.  
 G. S. ELDRIDGE  
 OCT. 1972 SCALE: 1"=200' DWG. NO: 72-213-M  
 MAGNETOMETER PROFILE PLAN

APPROVED: *[Signature]*

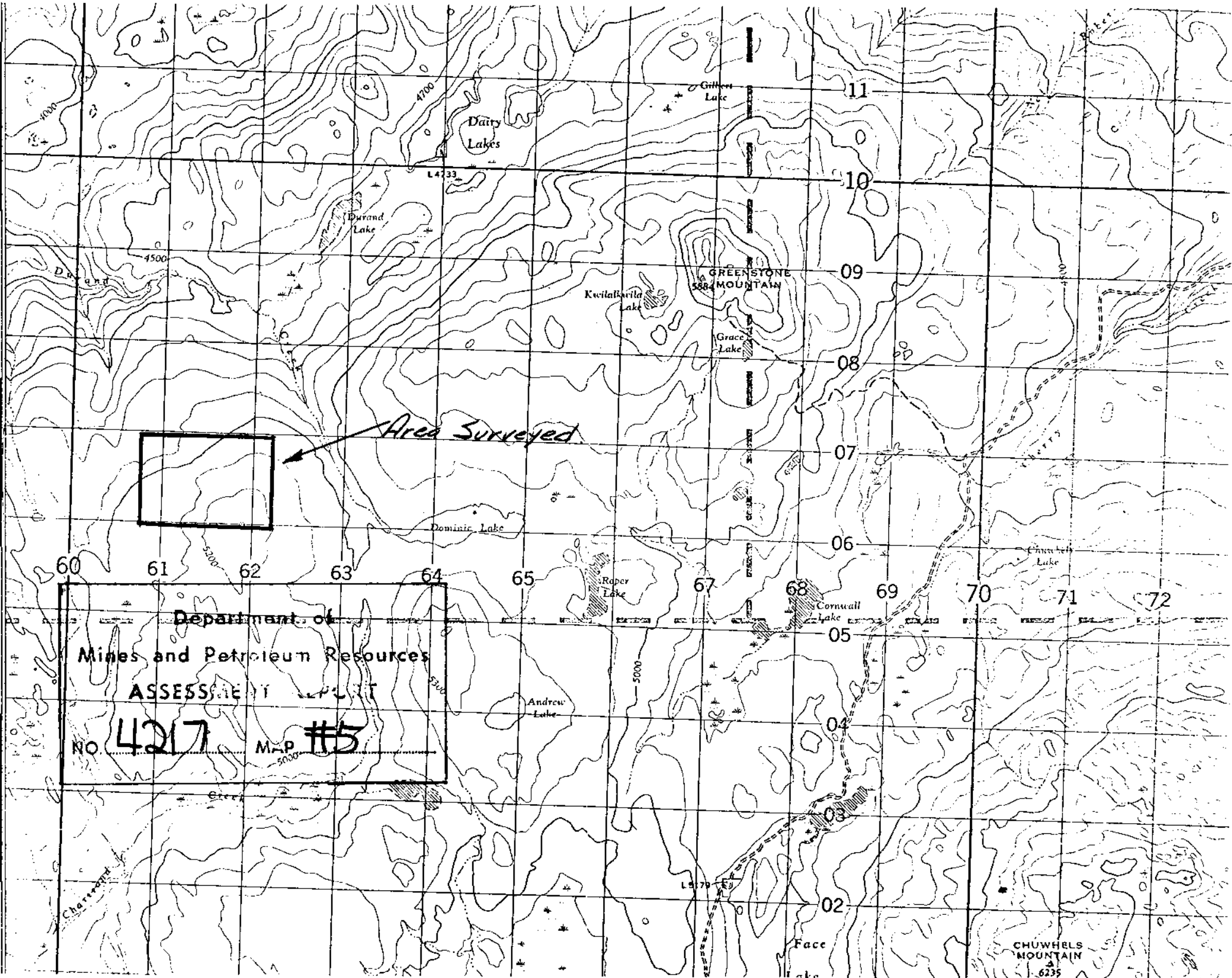
NOTE:  
 SURVEY LINES & STATIONS  
 CLAIM LINE    ■ CLAIM POST  
 1"=1000 Gammas (Zero line=55,000 Gammas)

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4217 MAP #3

50+00 W                      40+00 W                      30+00 W                      20+00 W                      10+00 W                      0+00

11  
10  
09  
08  
07  
06  
05  
04  
03  
02  
01

Tr 19

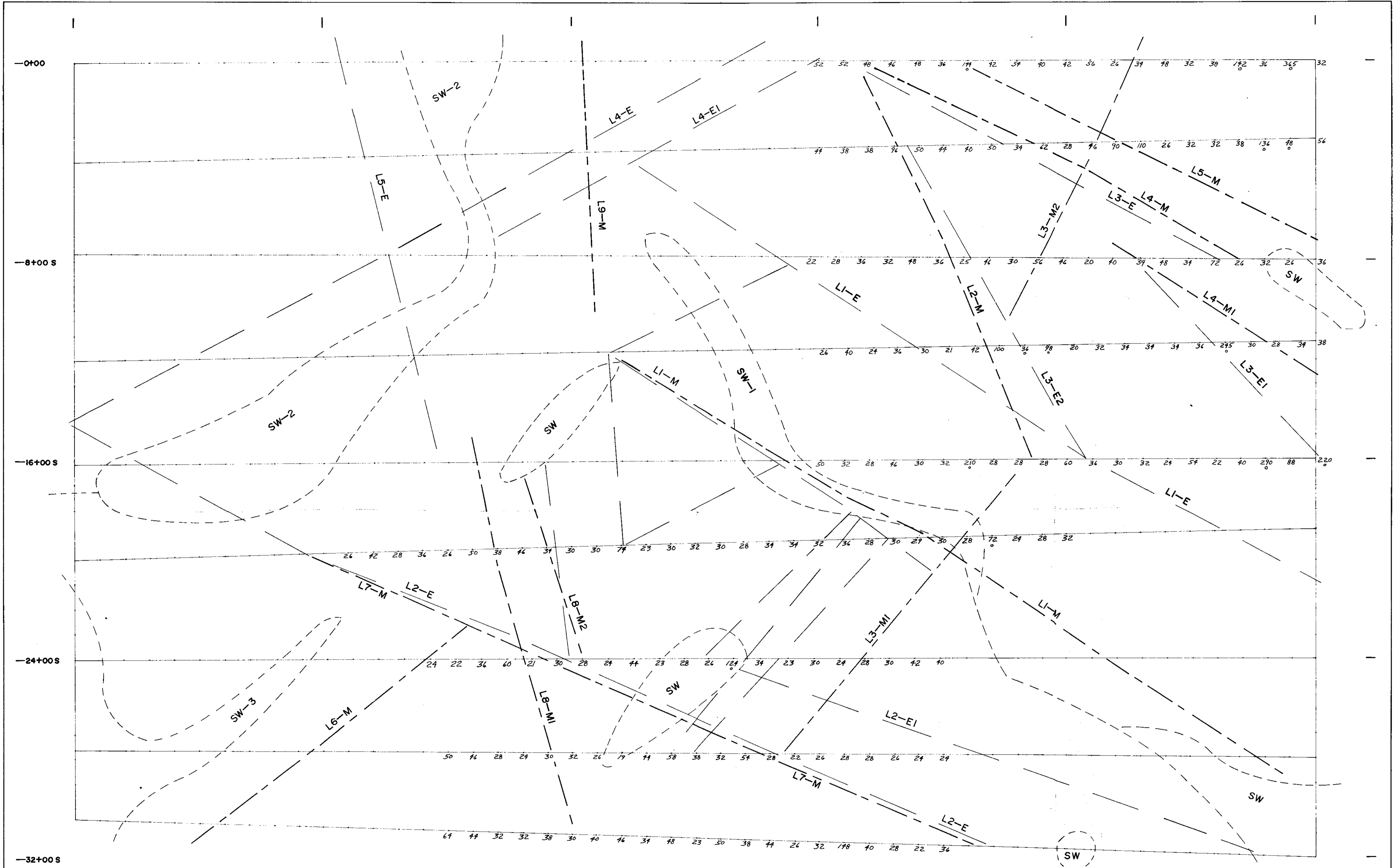


*Area Surveyed*

60 61 62 63 64 65 67 68 69 70 71 72

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 4217 MAP #5

CHUWHELE MOUNTAIN  
6235'



ELC GEOPHYSICS LTD  
 GUT & CARM CLAIMS DOMINIC LAKE, B.C.  
 G. S. ELDRIDGE  
 OCT. 1972 SCALE: 1"=200' DWG. NO: 72-213-GC-A  
 COMBINED ANOMALOUS PLAN  
 APPROVED: *[Signature]*

NOTE:  
 SURVEY LINES & STATIONS  
 35 PPM CU 135 PPM CU (ORGANIC)  
 SW SWAMP  
 LINEAR ANOMALY (MAG)  
 LINEAR ANOMALY (EM)

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4217 MAP #1

4217 M-1

50+00 W      40+00 W      30+00 W      20+00 W      10+00 W      0+00 W