

ELC GEOPHYSICAL REPORT  
NO. M-70-108  
GE CLAIMS GROUP  
49°N - 125°W  
HENDERSON LAKE AREA, B. C.  
FOR G. S. ELDRIDGE  
Aug. 20, 1970 to Sept. 9, 1970

92F/3E

by D.L.HINGS P. ENG.

2573

**elc**

**2573**  
**geophysics ltd.**

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

THIS IS REPORT NO. M-70-108  
FOR G. S. ELDRIDGE  
G. E. Claims in the area of —  
Henderson Lake, B. C.  
Aug. 20, 1970 to Sept. 9, 1970.

*How many claims? 34  
Access?*

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PLANS

#1 Profile Survey Plan

M-70-108

*(leaf)*

**Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT**

NO. 2573 MAP

ELC GEOPHYSICS REPORT NO. M-70-108 ON A GROUND  
MAGNETOMETER GEOPHYSICAL SURVEY OVER THE G.E.  
CLAIMS IN THE AREA OF HENDERSON LAKE, B. C. FOR  
G. S. ELDRIDGE, AUG. 20, 1970 to SEPT. 9, 1970.

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Purpose:

To determine the value and strike of magnetic  
anomalous features with respect to location of surface  
showings of magnetite and previous subsurface work.

Instrumentation:

The survey was conducted with a vertical  
field fluxgate magnetometer model M100 produced by  
Sabre Electronics Ltd., Vancouver, B. C.

Area Surveyed:

The survey was conducted over the G.E.  
Claims group as indicated on the plan and located  
approximately 2 miles north and west of Kildonan  
on the west side of Henderson Lake, B.C.

==con't==

Geological Reference:

Report by A. Allen of Allen Geological  
Engineering Ltd. Vancouver, B.C. (Progress Report)  
Mountain Treasure, Henderson Lake, Mar. 22, 1966.

Presentation:

The plan no. M-70-108 shows the control  
and grid lines with respect to the co-ordinates and  
bearings. The location of surface work and claims  
are shown.

The mean magnetic vertical field strength  
is 53,000 gammas. The variations shown in profile  
form are scaled at 1000 gammas per inch. The readings  
taken along the grid lines average less than 50 feet  
spacing.

Results:

There are three zones of anomalies within  
the apparent contact area signified between the lines,  
C1 and C2.

...con't...

This anomalous area shows a large zone Z1 on the eastern portion of the survey. Several linear anomalous strike features including L1 and L4 contribute to many relatively strong anomalies in this zone.

A smaller zone, Z2 has a prominent anomaly A1 that appears to be associated with L2 and terminates on L4.

The zone Z3 covers an area including two linear anomalies, L3 and L5.

Summary:

The Z1 zone is the largest and most anomalous area. This zone also has less outcropping and therefore little previous surface work has been done.

The Z2 zone appears to be the southern portion of the mineralized north-south trending contact area referred to in the A. Allen's report, (inclined shaft included.)

The Z3 zone includes the northern area of previous diamond drilling and surface work also referred to in the A. Allen report.

...con't...

Conclusions:

The proven mineralized zone follows the easterly side of the contact C2, and should outcrop in the anomalous zones Z2 and Z3.

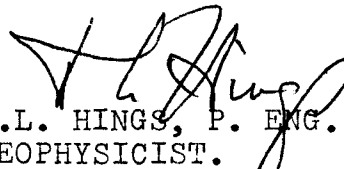
The new and larger anomalous zone Z1 is comprised of several linear striking anomalies having values up to 10,000 gammas. The linear anomaly L4 is apparently common to both the Z1 and Z2 formations.

The northeastern limit of the zone is along C1 and the southern limit is a precipitous drop to the lake shore.

Recommendations:

Several surface samples were taken during the survey and these should be analysed and plotted on the grid plan.

The zones Z1 and the A1 area in Z2 warrant geological investigation of the subsurface.

  
D.L. HINGS, P. ENG.  
GEOPHYSICIST.

A STATEMENT OF COSTS FOR GEOPHYSICAL REPORT NO. M-70-108  
 COVERING THE GE CLAIMS, HENDERSON LAKE AREA, B. C. BY  
 ELC GEOPHYSICS LTD. AUGUST 20, 1970 to SEPTEMBER 9, 1970.

Field Crew:

R.L.Reece	3 days @	\$70.00	\$ 210.00
W.Mather	16 days @	40.00	640.00
G. Olheiser	16 days @	32.00	512.00
D.Crocker	16 days @	32.00	512.00
D.Cramer	2 days @	60.00	<u>120.00</u>

\$1,994.00

Transportation:

Truck	5 days @ \$12.00	\$ 60.00
	250 miles @ \$ .12	30.00
Helicopter (McGillivray Helicopters Ltd.)		370.00
Air West Ltd.		149.00
Ocean Air Ltd.		<u>62.00</u>

671.00

Living Costs:

53 man days @ \$10.00 530.00

Equipment:

Radio Rental		\$ 270.00
Magnetometer	16 days @ \$10.00	160.00
Miscellaneous		<u>156.03</u>

586.03

Data Processing and Drafting:

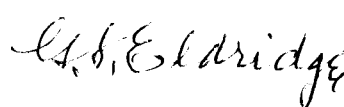
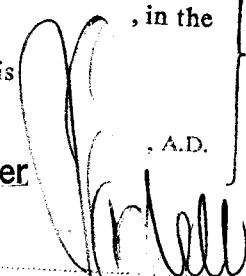
D.A. Cramer 6 days @ \$ 60.00 360.00

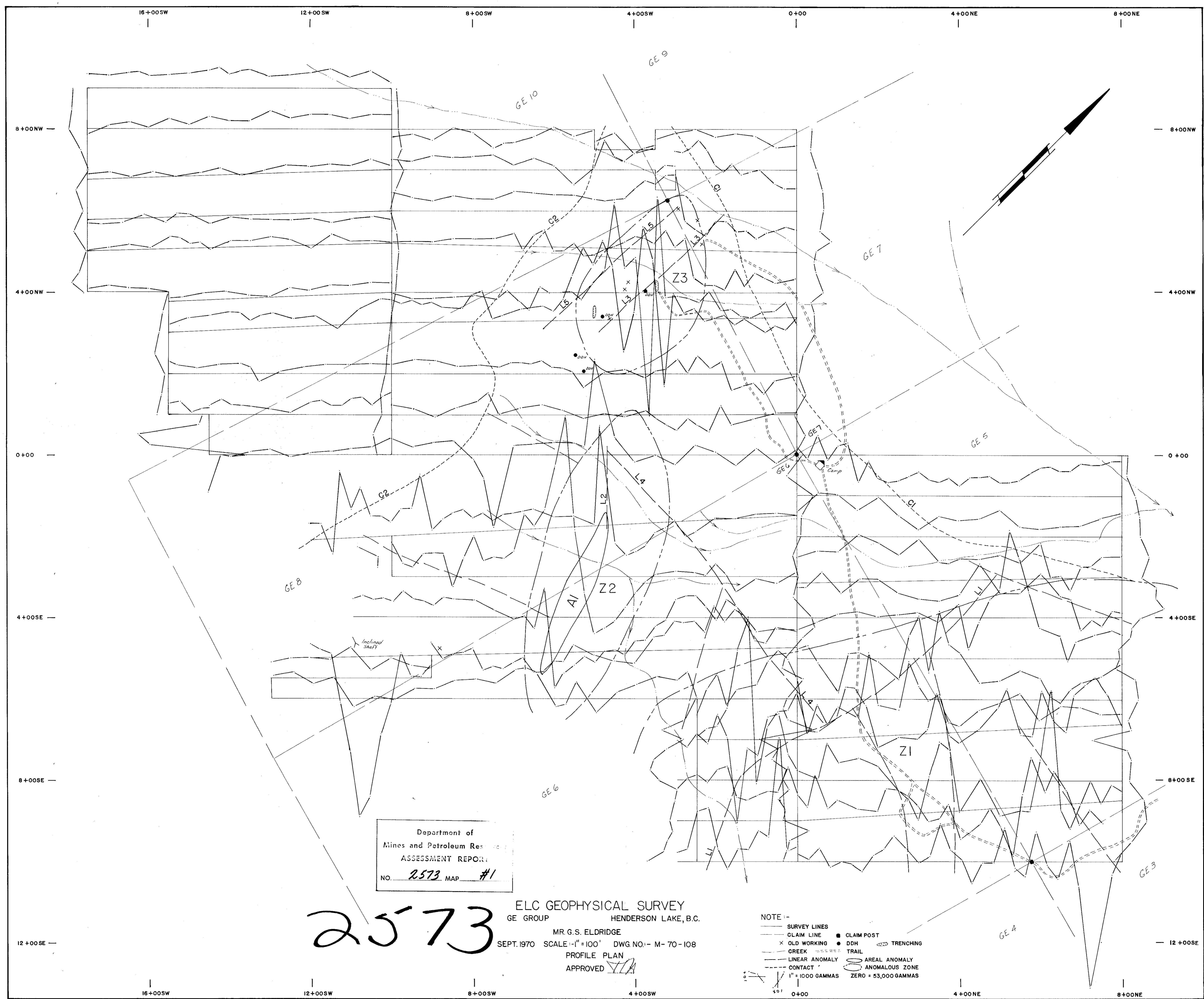
Interpretation and report:

D.L. Hings P.Eng 3 days @ \$120.00 360.00

TOTAL COST . . . . . \$ 4,501.03

\* Declared before me at the  
 of VANCOUVER, B. C.  
 Province of British Columbia this  
 day of SEP 10 1970  
 Sub-Mining Recorder

in the  
 A.D.  
  




Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **2573** MAP #1

**2573**

ELC GEOPHYSICAL SURVEY  
GE GROUP HENDERSON LAKE, B.C.  
MR. G. S. ELDRIDGE  
SEPT. 1970 SCALE 1" = 100' DWG. NO. M-70-108  
PROFILE PLAN  
APPROVED *[Signature]*

NOTE :-  
 SURVEY LINES  
 CLAIM LINE  
 X OLD WORKING  
 CREEK  
 TRAIL  
 LINEAR ANOMALY  
 CONTACT  
 1" = 1000 GAMMAS  
 CLAIM POST  
 DDH  
 TRENCHING  
 AREAL ANOMALY  
 ANOMALOUS ZONE  
 ZERO = 53,000 GAMMAS