

Bald Eagle, N&J, Dale, Jon, JA, Blue Grouse

ELC GEOPHYSICS LTD.
REPORT NO. 72-206-M

FOR GAYLORD MINES LIMITED
GAMBIER ISLAND, B.C.
49°N - 123°W

JUNE 2, 1972 to JUNE 29, 1972

by D.L.HINGS, P.ENG.

92G/11W

3724

This is ELC Geophysics Report No. 72-206-M
For Gaylord Mines Limited
Gambier Island, B.C.
49°N- 123°W June 2, 1972 to June 29, 1972

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PLANS

#1 Claims Plan	72-206-C
#2 Location Plan	72-206-L
#3 "A" Section Profile Plan	72-206-A
#4 "B" Section Profile Plan	72-206-B

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

298-9619

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. **3724** MAP

elc geophysics ltd.

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

ELC GEOPHYSICS LTD. REPORT NO. 72-206 FOR GAYLORD MINES LIMITED, LOCATED ON GAMBIER ISLAND, B.C. VANCOUVER M.D. 49° n - 122° W. JUNE 2, 1972 to JUNE 29, 1972.

Purpose:

A vertical field magnetometer survey was conducted over the "A" and "B" sections of the claims group on Gambier Island to determine the anomalous features for coordination with known geology as a preliminary step to further development of this property.

Location:

The property is located on the north and east coast of Gambier Island, in Howe Sound, B.C. as indicated on the location plan No. 72-206-L. Latitude 49°31' N, Longitude 123°22' W, Vancouver Mining Division.

Personnel:

W. Mather and K. Pettersen, instrument operators, E. Wiggins and W. Pelkey assistants.

Geological Reference:

Report on Gambier Island property for
Gaylord Mines Limited by A.F. Roberts, P.Eng. April 7,
1972.

Instrumentation:

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

Presentation:

The survey is presented on two plans, "A"
plan is the southern portion of the survey, see claims
map 72-206-C. The location is shown on plan 72-206-L.
The magnetometer profile plan, including the linear
interpretations of the "A" group are shown on plan No.
72-206-A. The "B" area profile plan of the magnetometer
survey with interpretations is shown on plan 72-206-B.
Both plans have grid lines north and south with central
control lines east and west.

Plan "A" is shown on the scale of 100 feet
to the inch with a large portion of the station spacing

...con't...

at 50 foot intervals. Plan "B" is shown on a scale of 200 feet to the inch with the station intervals at 100 feet. Both plans have the same value for mag profiles.

Plan "A" - Results:

Referring to plan 72-206-A, the eastern portion of the survey extends to the water line of the property and is the steepest and most anomalous area. The linear anomalies perpendicular to the central control line L1 and L2 bracket a highly anomalous area that includes L1A, L3, L3A and a portion of L4A. The readings within this area show heavy fracturing with extensions from the zone such as L3B, L4B and the continuation of L1 shown as L1B with a possible third continuation at L1C to the west of the property. The mineralization in the shearing, reported by A.F. Roberts is in the fracture sets of 75° and 135° this would suggest that the L1 and L3 series and possible L5 and L10 series have the best potential for mineralization.

Conclusions - Plan "A":

The area of maximum interest lies within the zone Z1 between L1 and L2 where it is intersected by

...con't...

L3 from the southeast and L4A from the southwest. The close proximity of the steep outcrop rock to the instrumentation combined with the existence of magnetite within the sulfides, creates strong random anomalous readings that obliterate the detail of the shear zone fracturing patterns. The strong anomalies within the shear zone at fifty foot instrument spacing, are too broad to signify the sharp anomalous curvatures.

The relatively steep westerly slope between the line 0+00 and 12N, 800 feet higher than the water line makes this eastern anomalous surface area considerably larger than it would appear on the plan.

Plan "B" - Results:

The relatively flat area of the "B" survey also produced very little magnetic variations.

Two magnetic linear anomalies L2N and L3N striking approximately 135° E of N appear to terminate at the prominent interface L1N, set at approximately 55°. The L1N anomaly follows closely to the Gambier creek bedding and shows more anomalous features on the north slope, south of the creek.

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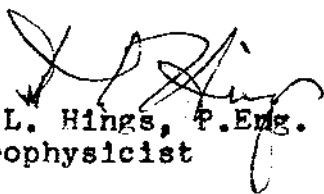
Conclusions - Plan "B":

The magnetometer was not sufficiently responsive to the area to obtain a meaningful interpretation.

Summary:

In the "A" survey, zone 1 shows the area most likely to have sulphides in accordance with the report of A. F. Roberts, P.Eng. April 7, 1972.

In the "B" survey only the southern portion was responsive to magnetometer instrumentation. Any further work should include geochem and electromagnetic instrumentation.


D.L. Hings, P.Eng.
Geophysicist

CB

A statement of Costs covering ELC Geophysics Ltd.
Report No. 72-206
For Gaylord Mines Limited
Gambier Island, B. C. Vancouver M.D.
June 2, 1972 to June 29, 1972.
49° N - 123° W.

Field Crew

W. Mather	15 days @ 45.00	675.00	
K. Pettersen	15 days @ 45.00	675.00	
E. Wiggins	8 days @ 30.00	240.00	
W. Pelkey	7 days @ 30.00	<u>210.00</u>	
			1800.00

Transportation

4 x 4 Truck	2 days @ 12.00	24.00	
50 miles @ 12¢		6.00	
Boat & Motor Rental		160.00	
Water Taxi - 3 round trips		<u>110.00</u>	
			300.00

Living Costs

42 mandays @ 5.00			210.00
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Equipment

Magnetometer	15 days @ 10.00	150.00	
Misc.	15 days @ 5.00	<u>75.00</u>	
			225.00

Data Processing & Drafting

R.L. Reece	4 days @ 60.00	240.00	
D.A. Cramer	3 days @ 60.00	<u>180.00</u>	
			420.00

Interpretation and Report

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

TOTAL COSTS			<u>\$ 3195.00</u>
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Declared before me at the

City

, in the

of *Oldman*

Province of British Columbia, this

13

day of *July*

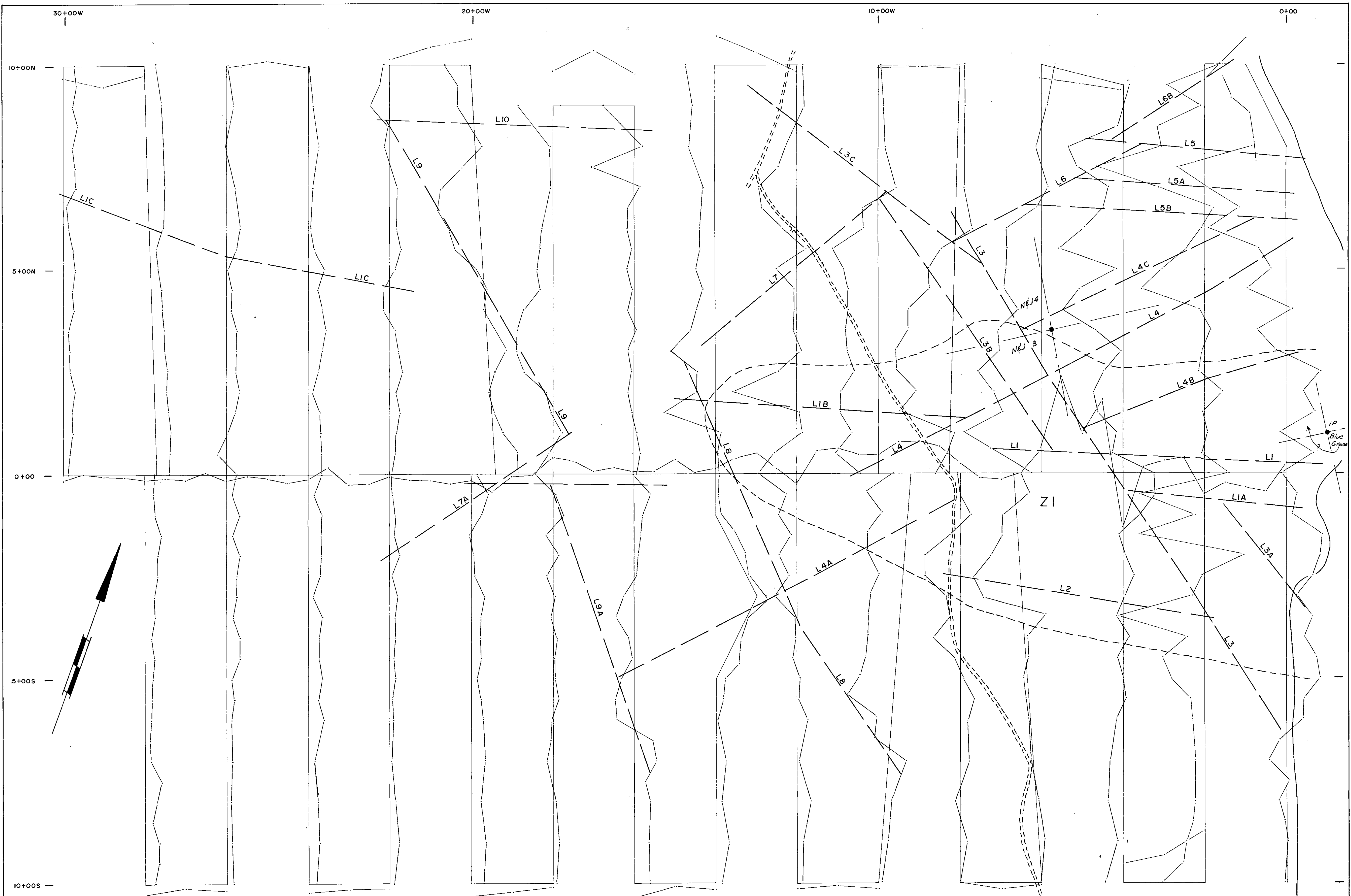
1972 A.D.

J. Calcutt

J. Phillips

A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

SUB-MINING RECORDER



ELC GEOPHYSICS LTD.
 N&J CLAIMS GAMBIER ISL., B.C.
 GAYLORD MINES LTD.
 JUNE 1972 SCALE: 1"=100' DWG. NO. 72-206-A
 MAG. PROFILES
 APPROVED: *[Signature]*

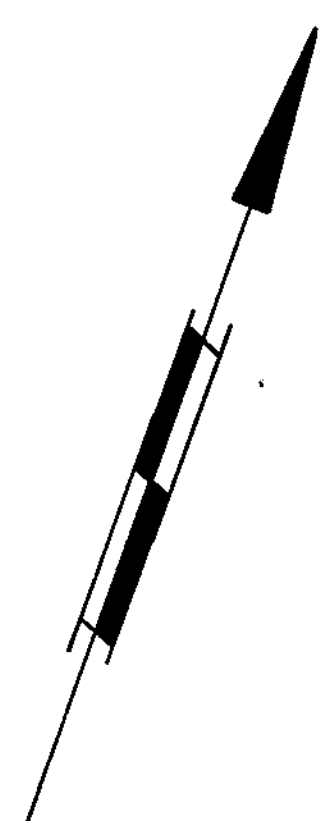
NOTE:
 - - - SURVEY LINES
 - - - CLAIM LINE • CLAIM POST
 - - - ROAD - - - SHORE LINE
 - - - LINEAR ANOMALY
 - - - ANOMALOUS ZONE
 1" = 1000 Gammas (Zero line = 54,000 Gammas)

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3724 #3

M-3
 3724



— 24+00N
 — 16+00N
 — 8+00N
 — 0+00
 — 8+00S
 — 16+00S
 — 24+00S



NOTE:
 — SURVEY LINES
 — CLAIM LINE ● CLAIM POST
 — CREEK — SHORE LINE
 — LINEAR ANOMALY
 1" = 1000 Gammas (Zero line = 54,000 Gammas)

ELC GEOPHYSICS LTD.
 JON & DALE CLAIMS GAMBIER ISL., B.C.
 GAYLORD MINES LTD.
 JUNE 1972 SCALE 1" = 200' DWG. NO. 72-206-B
 MAG PROFILES
 APPROVED *[Signature]*

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 3724 MAP #4

28+00W 24+00W 20+00W 16+00W 12+00W 8+00W 4+00W 0+00