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

3764

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

ELC GEOPHYSICS LTD.
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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 knowngeology 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 interpretaions 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

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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

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L3 from the southeast and L4A from the southwest. The close proximity of the steep outcrop rock to the instrumentation combined with the existance 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	210.00	
			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		110.00	
			300.00
Living Costs			
42 mandays @ 5.00			210.00
Equipment			
Magnetometer	15 days @ 10.00	150.00	
Misc.	15 days @ 5.00	75.00	
			225.00
Data Processing & Drafting			
R.L.Reece	4 days @ 60.00	240.00	
D.A. Cramer	3 dyas @ 60.00	180.00	
			420.00
Interpretation and Report			
D.L. Hings, P.Eng. 2 days @ 120.00			240.00
TOTAL COSTS			$ 3195.00

Declared before me at the City

of Kamloops, in the

Province of British Columbia, this 13

day of July 1972 A.D.

J. Carey

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

SUB-MINING RECORDER

30+00W 20+00W 10+00W 0+00

10+00N 5+00N 0+00 5+00S 10+00S

L10 L9 L1C L1C L9 L7A L9A L3C L7 L8 L1B L4 L8 L4A L6B L5 L6 L5A L5B L3 L4C L4 N.E.J.4 L3B N.E.J.3 L4B L1 L1 L1A L3A L2 L3

Z1

IP Blue Grouse ?

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

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 MAP #3

M-3

3724

JON 8
JON 7
JON 6
JON 5
L3N
L3N
L2N
L3N
Gambier Creek
LIN
LIN
Shore Line
W.P. Dale 1,2,3 & 4

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

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

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

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