

ALAN ROBERT GRANT
CONSULTING GEOLOGIST

~~XXXXXXXXXXXX~~ P.O. Box 15
~~1524 QUAKER WASHINGTON 98222~~ Langley, Wn. 98260

~~XXXXXXXXXXXX~~ Tel. 206-382 4365

Report of Magnetometer survey

Claims: Black Jack #1 - #15, Black Bird

Location: Sections 33, 34, T4N, R5E, (W.M.)
Section 4, T3N, R5E, (W.M.)

Survey for: Mr. Lawrence E. McQuiston - Owner
Trout Lake, Washington

Survey by: Middle Fork Copper Mines Inc.

Date of survey: September, 1970

Personnel involved: G. Lord, L. Records, J. Faulhauber,
A.R. Grant, Consulting Geologist

Instruments used: Scintrex MT 2 magnetometer
Jollander Magnetometer

Results: The purpose of the survey was to subject the entire claim block to magnetometer coverage and more specifically to relate the known areas of chalcopirite - magnetite mineralization at the Black Jack Prospect to the total anomalous framework. Over 8 line miles of magnetometer survey were run over the claim block. The known areas of magnetite responded with a lower magnetic response indicating the possibility of reverse polarity in the magnetite. With this response, the stronger anomalies reflect as relative lows. The magnetometer work delineated a dominant E-W to N70E trending anomalous linear feature. The total length of this feature is 5,300'. Widths vary from 50 to 150 feet. The linear appears to lie close to the contact between the altered, fractured, pervasively mineralized rocks and the more massive, less altered intrusive rock. Magnetic response at the main Black Jack workings indicated a small intense low, not connected to the principal linear feature. The magnetic linear is considered to be a potentially important structure, one which justifies further exploration.

Alan Robert Grant
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August 25, 1971

Subscribed and sworn to me this 25th day of August, 1971

Barth J. Perkins

