

ALAN ROBERT GRANT

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Report of Geological Survey

Claims: Black Jack #1 - #15
Black Bird

Location: Section 3, 4, T3N, R5E, (W.M.)
Sections 33, 34, T4N, R5E, (W.M.)

Survey for: Lawrence F. McCuiston, Trout Lake, Washington, 98650

Surveyed by: Middle Fork/Mines Inc.

Date of survey: July - August, 1972

Personnel involved: A.R. Grant Consulting Geologist
W.A. Grant, D. Jones

Instruments used: McPhar M 700 magnetometer

Results: The purpose of this survey was to subject the entire claim block to detailed geological mapping referenced to a surveyed grid. Over 58,000' of surveyed line were run in conjunction with the geologic mapping and in preparation for an induced potential geophysical survey.

The geologic mapping resulted in the delineation of specific zones of mineralization. The winter floods in January, 1972 exposed considerable additional outcrop along the creeks. This new outcrop allowed a much more accurate geologic appraisal of the claim block. Prior to the floods, outcrop was very scattered and disconnected.

The mineralized zones are located in shattered zones within and along the contact of the Silver Star intrusive stock. NE trending structural controls are evident. Specific areas, as outlined by geologic mapping are currently being subjected to induced potential geophysical surveys. This combined exploration effort should furnish sufficient data to allow the accurate location of future drill holes necessary to evaluate the porphyry copper potential of the area.

Alan Robert Grant
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August 30, 1972

Subscribed and sworn to me this 30th day of August, 1972

Dorothy J. Albritton

