

673723
TEZ GROUP
93K/16

N.B.C. SYNDICATE
Proposal for Special Project
TEZZERON-CHUCHI AREA

November 8, 1968

N.B.C. SYNDICATE

Tezzeron-Chuchi Area

Introduction:

Prospecting ~~for~~^{of} aeromagnetic anomalies resulted in staking of three separate claim groups. Locations of these groups are shown on Figure I.

The claim groups lie in areas of extensive overburden where swampy ground conditions require a winter program for geophysical investigation.

Prospecting Results:

FAR Claim Group

Silt sampling has given significant indications of copper in the two streams crossing the aeromagnetic anomaly. See Figure II.

No rock outcrop have been found in the area shown on Figure II. Prospecting and aeromagnetic information suggest that the south boundary of the claim group lies close to the south contact of a large granitic intrusive. Copper mineralization is associated with aeromagnetic anomalies both to the east and to the west of this claim group.

A small picket line grid and sites of two drill holes were found. The core from these holes has not been seen. Since geochem indications were found upstream from the drill sites further and more extensive work appears warranted.

TEZ Claim Group

A sharp local magnetic peak was located within the more general aeromagnetic anomaly. A small picket line grid was cut and magnetic, EM and geochemical surveys were carried out on this grid. Results are shown on Figures

No outcrop has been found on this claim group. Geochemical indications are lacking, but this may be due to the depth and type of overburden. Weak EM conductors are indicated in the vicinity of the magnetic peak.

Limited I.P. surveying is suggested as a further check on possible sulphide mineralization.

HAT Claim Group

Limited rock outcrop was found in the north central portion of the aeromagnetic anomaly. This consists of a gabbroic rock intruded into altered sediments and volcanics.

Scattered pyrite, ^{fr}pyhotite and chalcopyrite mineralization was found. An apparent increase in chalcopyrite content near the south west extremity of the outcrop area could not be well investigated due to extensive swamp.

Routine soil sampling gave no encouragement, but a number of specially dug test pits were carefully sampled, and these gave some anomalous results. See Figure

Line cutting is suggested to investigate the magnetic anomaly which is poorly delineated by the air survey. An EM, and possibly an I.P., survey should be done along the south west limits of the magnetic anomaly.

Work Recommendations:

A total of _____ miles of line cutting is recommended for the three claim groups. Magnetometer and EM surveys would be undertaken this winter on these lines.

Further work would depend on results of this preliminary program.

During the summer of 1969, a limited program of soil sampling ¹⁵ ~~is~~ recommended for the FAR Claim Group. This would require special study of soil horizons in areas off the flanks of glacial eskers with test pits being dug to expose soil horizons.

Cost Estimate:

Line Cutting