

N.B.C. SYNDICATE

Sept. 1, 1968.

SUMMARY OF PROJECTS

The following is a brief summary of projects presently underway, partially completed or proposed:

Projects Partially Complete

(1) T.P. Claim Group

A number of geochemically anomalous areas are indicated by preliminary soil sampling. These are listed below with dimensions being those above the 180 ppm Cu contour. Soil sample spacing varies from 200' x 200' to 200' x 800' and much more work is required. Zones are numbered from west to northeast.

<u>Zone</u>	<u>Dimensions</u>	<u>Number of Soil Samples in Zone</u>	<u>Trend of Zone</u>
1	600' x 300'	5	Northeast
2	600 x 400	4	North
2A	700 x 200	2	North
3	1500 x 200	3	North
4	900 x 500	3	North
5	3000+ x 600	20	North
6	1800+ x 300	5	Northerly

The only rock specimen assayed ran 0.38% copper. No mineralized zones have been outlined by prospecting. An attempt at mapping was a complete failure.

The property is underlain by pyroxenite. Underbrush and windfall are extremely thick but conditions will improve when leaves fall.

Systematic soil sampling on lines 200' to 400' apart together with geological mapping is recommended for this fall.

(2) HAT Claim Group

An attempt at geological mapping gained little or nothing of practical value. A basic intrusive is exposed in the north central portion of the claim group and is responsible for at least part of the air mag anomaly. No outcrop is known in the remainder of the property.

Pyrite, pyrrhotite and chalcopyrite mineralization was noted in portions of the outcrop with chalcopyrite being more common in the outcrop area closest to the air EM anomaly.

EM surveying on the north end of the air EM anomaly gave no results. Either the instrument was faulty or the frequency (1600 cps) was effective only in measuring conductivity of the overburden. Limited magnetometer surveying indicated the air EM anomaly to be on the southwest flank of the air magnetic anomaly. Topography and the very smooth magnetic curve in the area surveyed suggest deep overburden - probably in excess of 40'.

Soil sampling over this portion of the air EM anomaly gave no indication of copper. A small number of scattered soil samples taken by Newton Orr in the outcrop area have recently been submitted to Bondar-Clegg.

At least 80% of the air EM anomaly is overlain by swamp and creek and a ground survey on this portion can be done only in the winter.

During the coming winter a grid should be cut on the air EM anomaly and an EM survey done. At the same time a magnetometer survey of the whole of the air mag anomaly should be carried out on lines at 800' intervals.

(3) TEZ Claim Group

Magnetometer, EM and soil surveys were carried out on a portion of this group as outlined in a brief report of June 6th.

The area of this survey should be redone with the VHEM in hopes of better EM results.

(4) LO Claim Group

This is a group of 12 claims staked to cover a strong EM conductor about one mile southwest of Tchentlo Lake and approximately on the Pinchi fault. The conductor is about 1600' long by a maximum of 180' wide and strikes 310°.

No geochemical anomaly is present. Overburden is glacial till with many boulders evident and depths are expected to be 20 feet and more.

The conductive zone is not magnetic.

On these last three claim groups some further geophysical work is recommended. It is most unlikely that any significant geochemical results could be obtained. Graphite could be the causative material, being most likely on the L0 group and far less likely on the TEZ group. Diamond drilling would be necessary to test each anomaly in order to find its cause.

Projects Underway

- (1) Prospecting north of Tchentio Lake has indicated pyrite, minor pyrrhotite and chalcopyrite mineralization in volcanics and granitic intrusives along 7000'+ of contact zone. A base line has been started here and linecutting arranged for. The ground is to be staked in early September as the HI group. Line cutting (10 miles), soil sampling and magnetometer surveying will be done and hopefully some of the geology mapped.
- (2) Two men have been sent in to assist McBeath on Takla Lake following a radio message indicating he has found something of interest.

Projects Proposed

- (1) An aeromagnetic anomaly southwest of Chuchi Lake has given indications of copper in silt sampling. No outcrop has been found in the vicinity. The area was previously staked and has had two sets of lines cut on it. One set consists of blazed lines probably used for a magnetometer survey and possibly soil sampling. The other set was cut by power saw during the winter and may have been used for some type of geophysical survey. Two drill setups for a light drill have been found but the core has not been located and results are unknown. Silt samples are anomalous for copper upstream from these holes. Deep drumlin type overburden indicates soil sampling will be of little value.
- (2) North and northwest of Chuchi Lake areas of foliated syenite were found with minor signs of copper. Further prospecting is recommended.