

To W.R. Bacon
From J.C. Stephen

NBC Syndicate

Re. Exploration Progress to June 15 1969

The following projects have received attention as outlined below. (Order of listing follows that of earlier memo listing names and locations of proposed projects).

Coke Creek - Briefly examined during April by Stephen. Insufficient indication of copper mineralization was found to warrant further work.

Tawee Lake - Both mag anomalies were visited. No ready explanation for either was evident. Silt sampling and examination of fairly abundant outcrops, revealed nothing of interest.

Bridge Lake - Magnetite was found disseminated in volcanics on north half of anomaly. No mineralization was noted on south half. No sulphides of importance were found. Silt sampling results were negative.

Carman Lake - Pyrrhotite, chalcopyrite mineralization was found in diorite on claims previously staked by Cominco. The CAd group of 24 claims was staked. Soil and silt sampling showed anomalous results over limited areas. Some further prospecting may be warranted.

Williams Lake - Mineralized float was found during soil sampling. The W14 group of 12 claims was staked and recorded. Soil sampling results indicate a significant anomaly at the south east end of the claims. Further investigation is warranted.

Finger Lake Interesting geology, fracturing and massive hematite mineralization was found. There was no sign of copper mineralization. No further work is contemplated.

Wedge Mtn A heliport was established at the top of the mountain. Staking, prospecting and soil sampling is proceeding. The crew should be moved out June 20.

Mac Dougal Creek Some prospecting was done in a very brief period. No further work is planned.

Jean Marie Creek The Jean group of 26 claims staked while snow was on the ground was recorded. Prospecting has outlined granitic intrusives with only rare and very minor pyrite, chalcopyrite, molybdenite and scheelite mineralization. The claims should be dropped.

Nation Mtn Approximately 50 claims are being added to the H1 group. Intense competition has been met with in the area. A detailed program is contemplated. Studies of soil profiles have been made and some sampling completed. Some line cutting is planned in heavy windfall.

HAT PROJECT Drilling abandoned on second hole - camp moved out. Conductor due to graphite and pyrite. No further work planned.

TE2 GROUP Line cutting completed sufficient for one year assessment work. Should be recorded pending developments. No further work planned.

FAR GROUP Line cutting in progress. Streams silt sampled. Old core examined. Soil sampling EM and magnetic surveys planned. Intense competition in this area from Westcoast

Exploration who previously held claims. They have established camp on heliport in middle of FAR group.

H1 GROUP Approximately 50 additional claims are being staked. Intense competition from a number of parties has been met with. A detailed program is contemplated including some line cutting in windfall areas. Studies of soil profiles have been made and some sampling completed.

MID GROUP 48 claims were staked 3 miles north of the HAT group during drilling on the HAT group. These claims were not recorded. No work planned.

HART HIGHWAY Aeromagnetic anomalies in a sequence of argillite, sericitic schist, quartzite and quartz pebble conglomerate received brief and cursory examination. No indication of base metal or uranium mineralization was found.

A base has been established in Fort St James. Radio communication has been relatively efficient.

Chapman

June 30 1969

To W. R. Bacon
From J. C. Stephen

N.B.C. Syndicate.

Re: Progress to June 30 1969

The following summary of progress is additional to that reported on in the memo dated June 15 1969. The order of listing is that given in the original list of 1969 Projects.

S.E. Nithe - This circular aeromagnetic anomaly was visited briefly. A private road extends well into the anomaly. Outcrops of diorite were examined along the road. Remnants of volcanics are evident in the intrusions and these plus the magnetite content of the intrusions would account for the anomaly. A number of small fractures were found containing pyrite. Small pieces of float contained pyrite, a few specks molybdenite and one speck chalcopyrite. There is considerable outcrop. The area might warrant some further prospecting but is not encouraging.

Calum Lake - This area was visited over two days by Randy Smith. Mineral showings containing galena, minor sphalerite and chalcopyrite have been tramped and diamond drilled. Creeks have been silt sampled. AS&R did some staking in May 1969 and other small groups of claims were in good standing previously.

Roads are not as well developed as shown on the 4 mile maps. Some further attention may be given the area when the claim situation has been further investigated.

Wedge Mtn The crew was moved out June 20. Some 600 soil samples were taken and 36 claims staked as the ~~the~~ TAKLA group.

Float containing significant amounts of chalcopyrite was found.

Soil sample results indicate strong but somewhat small geochem anomalies. The largest anomaly is approximately 700' by 350' ~~with an~~ area above the 400 ppm contour line.

Further work will be necessary. The geology is extremely complex. Time cutting for mapping and IP surveying should be considered.

Jean Marie Creek Silt sampling beyond the Jean Marie claim group resulted in unexpectedly good copper values. Some of these silts are to be re-run using cold extraction methods. When these results are available it will probably be necessary to put in a prospecting party and do further staking. Geochem values on the present claim group are mediocre.

Nation Mountain Prospecting immediately north east of the H1 claim group encountered numerous very small and very widely spaced copper bearing fractures. A further 24 claims were staked bringing the H1 group to a total of 102 claims.

Four widely spaced lines of soil samples were taken across a large magnetic feature partially outlined by the Mini mag. ^{Geochem results} ~~results~~ are not yet available.

~~Minor~~ Scheelite mineralization was found upon examination of a specimen of conglomeratic sediment from the north portion of the claim group. This should be investigated by lumping the outcrop area.

The Collin Campbell showing was located and briefly examined. Minor chalcopyrite and some magnetite occur in an indistinct zone within or close to the contact of a gabbroic body adjacent

to coarse diorite.

~~The showing and~~

The showing is not considered to be significant.

The prospecting crew has been moved to the north side of Nation Mountain.

There are numerous very minor copper occurrences on the H₁ claim groups but no significant showing has been found. Much of the area is covered by overburden. A full investigation would be very expensive.

Kwanika Creek

Prospecting in this area has just got well started. Some indications of copper mineralization have been found. Soil sampling on a grid pattern has started.

FAR GROUP Line cutting was completed on this property.

A program of soil sampling, and magnetic survey is proposed to be done late in August. Initial results of some closely spaced soil samples gave high copper values.

Dave Douglas was hired near the end of June as a helper and placed initially in McBeath's camp.

John Clarke's rate I think is \$425/month and this should be raised to \$475/month as of July 1/69. Emm thinks he is the best of all our helpers.

J. P. Pether