

Reply to J. W.

801146
Mal-Chal
Toe Groups

Box 1179,
Merritt, B. C.
4 April 1968.

Mr. W. M. Sharp, P. Eng.,
Consulting Geological Engineer,
#1 - 425 Howe Street,
Vancouver 1, B. C.

Dear Bill,

At long last - the plots of the Magnetic Surveys of the Mal. - Chal. and Toe Groups. Again, 500 has been added to all readings to eliminate most of the negatives.

The Mal.-Chal. survey is 1" to 400' scale to overlay yours of 1965 from Sirola's report. The contours compare favourably, although this survey has lower readings for some of their over 2000 contours.

The Toe Group survey is plotted in 1" to 500' scale, with space for expansion to the South and West.

On the Toe Group, readings over quartz-diorite on the North of lines 72W to 48W were high in comparison to those over Nicola. On the Mal.-Chal. group, readings over the intrusive were low.

I had attributed the high values of Hg's on Barringers last report to possible contamination of B zone and organics, through the use of the auger.

In reflection, we used careful selection, and the Barringer method eliminates most of the error caused by organics, so this is probably not the reason. Does the B zone sponge the Hg ?

Best regards,
John E. White
John E. White

WILLIAM M. SHARP, P. ENG.
CONSULTING GEOLOGICAL ENGINEER

ROOM 1, 425 HOWE STREET
VANCOUVER 1, B.C.

April 16, 1968

Mr. John E. White,
Consolidated Skeena Mines Ltd. (N.P.L.),
Post Office Box 1179,
Merritt, B. C.

Dear John:

Thanks for your plots of the Toe and Mal-Chal magnetic surveys; also, your deletion of title blocks will allow direct use of your tracing for formal report requirements and general distribution.

In regard to the above plots, we will probably require supplementary plans from you eventually which will show the actual mag. readings at each station and your magnetic survey datum stations; these would be necessary if we should decide to use your surveys as credit for assessment. Prior to this, the incorporated topographic detail should assist on the proposed check geochemical surveys.

In regard to the comparative magnetic readings you obtained over the granitic and Nicola rocks on the both the Mal-Chal and Toe groups, I would guess that the intrusives in the Mal-Chal area are more acidic and contain less primary magnetite than those in the Toe-Boot section; the latter is probably a diorite or quartz diorite with a good proportion magnetite-bearing accessory hornblende and/or augite. If we can borrow the magnetometer again sometime we should plan on extending the detailed mag. survey over the Boot claims.

In answer to your question (April 4) about the possibility of the "B" zone sponging the Hg, I would say it's not likely unless an appreciable amount of organic material, such as wood or roots, is included in, or penetrates the "B" layer (the distinctly limonitic layer). However, it is sometimes difficult to cleanly separate the lower "A" zone (A-3) from the "B" zone; in these instances Hg could be expected to run high. This is something else we can have John Walker check out.

I will incorporate your April 12 comments re details relevant to the proposed check geochem. programme to John Walker; many thanks for these.

Thanks for your detail on the Paradise Lake staking; with friends or agents like that menzies doesn't need enemies! By the way, I don't know any of the people involved except O.G. Gillespie, who I met once a couple of years ago and, of course, McGowan.

If Steve Lott's 25 B dozer does not have rippers, I doubt that we could use it profitably - at \$26.00/hour - if and when stripping is planned. In any case, the ripper-dozer and operator you used last year appeared to be highly suitable.

I am putting together a general map for our use in the proposed areal silt sampling recce. proposed earlier. It will be a while before I have this completed, but gather Mr. McGonigle will provide you with other field projects for the interim period.

Best regards,

W. M. Sharp, P. Eng.

WMS:chs

cc Mr. F. A. McGonigle

April 3, 1968

Mr. John E. White,
Box 1179,
Merritt, B. C.

Dear John:

We are currently planning to bring in Dr. John Walker of Barringer Research Ltd. for an independent review and assessment of our geochemical results - principally within the Toe-Boot anomalous areas. His geochemical evaluations and recommendations could be important to other exploration groups (including the majors) which might undertake follow-up exploration of the ground.

With regard to the above, and prior to writing John Walker, what is your estimate of the probable date when the ground would be snow and frost-free? Would you also review the survey data and provide your own opinion on what lines or areas most require checking and/or would provide the most efficient checks?

How are your mag. survey compilations progressing? I will be glad to have them at your earliest convenience.

Also, John, what information can you provide re recent staking by others in our general exploration area?

Best regards,

W. H. Sharp, P. Eng.

WMS:chs

N.E. TOE GROUP:

1. Geol. traverse indicates alteration of volcanics July 3 largely within air mag anom zone through
 - 4. southeastern half of group; This corresponds with suspected extension of central Toe group geo-chem (Cu) anomaly to N.E.

Note possibility that above zone of meta-diorite → augite pyroxenite may similarly indicate general proximity to an intrusive body, such as was relationship within granite-volcanic contact zone in central easterly part of Chain group.

2. Note 2 or 3 Cu anomalous (subvolcanic) areas within N.E. half of N.E. Toe extension.

* J. White advised to stake additional claims adjacent to S.E. Boundary - located to cover indicated easterly-trending alb'n-mag-anom zone.

July 4 - Wart ridge traverse all in rel. fresh Nicola volcanics, but note found some Cu ^{at Snake pt.} on leg down north slope towards Toe #1 Fr. post. Possible that the inferred lineament closely north (1 mi) of Wart ridge is concealed by heavy O.G. covers

July 5 Note breakth of road in N.E. Toe claims gen. all fresh vles; also that N.E. end-from Goodwater Cr. heavily drift covered (eskers & moraine).

Note extensive stretch of white biotite ^{92-mag or} (granite) along 5116; This to be suspected in area of intersection with inferred "Wart" lineament; W.S. to schedule this.