

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

801542

STE. 808, 900 WEST HASTINGS ST.
VANCOUVER 1, B.C.

JUNE 8, 1967

MAR. J.E. WHITE, 378-2562
Box 1179, 682-4144)
MERRITT, B.C.

DEAR JOHN:

WITH THIS, THE AIR GEOPHYSICAL SURVEY MAP.

FIRST, NOTE THAT THIS DOES NOT REPLACE GROUND-GEOPHYSICAL SURVEY COVERAGE; ITS PURPOSE IS TO PROVIDE INDICATIONS OF WHERE RECONN. & DETAILED GROUND SURVEYS SHOULD BE PERFORMED - AS BASED ON AIR GEOPHYSICAL DATA ALONE.

RECONNAISSANCE GEOCHEM. INVESTIGATIONS SHOULD BE PLANNED MORE-OR-LESS INDEPENDENTLY OF THE MAP DATA - OR AS A PARALLEL INVESTIGATION. HOWEVER, IF POSITIVE GEOCHEM. RESULTS COINCIDE WITH CERTAIN ANOMALOUS FEATURES DERIVED FROM THE AIR SURVEY, THE GEOCHEM. (OR OTHER) SURVEYS CAN BE EXTENDED ACCORDINGLY.

THE FOLLOWING NOTES REFER TO CERTAIN DATA ON THE ACCOMPANYING MAP:

1. POSITIVE MAGNETIC ANOMALIES; THESE SHOWN ARE GRADED AT AN AVERAGE \geq 1000 GAMMA VALUE. GROUND WORK WOULD REVEAL THAT THEY REPRESENT THE COMPOSITE OF A 'GROUP' OF WEAKER AND STRONGER MAG. ZONES.

THE PRINCIPAL ZONES FOR FOLLOW-UP EXPLORATION ARE THOSE PARALLELING THE INFERRED GRANITE-NICOLA CONTACT, THOSE WITH A GENERAL EASTERLY TREND - PARTICULARLY WHERE THEY COINCIDE WITH GEOCHEM., RADIOTACTIVITY, AND/OR ELECTROMAGNETIC ANOMALOUS AREAS OR ZONES. THE TEE CLAIM AREA,

2 - J.E. WHITE, JUNE 8/67

FROM THE GENERAL COINCIDENCE OF ANOMALIES AND OPPORTUNITIES FOR EXTENSIONS, FORMS A HIGH PRIORITY EXPLORATION TARGET. ALSO, IF YOU HAVE NOT ALREADY STAKED ADDITIONAL CLAIMS HERE, THESE MIGHT BE MORE ADVANTAGEOUSLY LAYED OUT BY REFERENCE TO THE MAP.

2. NEGATIVE MAG. ANOMALIES. THE LARGER OF THE TWO SHOWN EVIDENTLY LIES ENTIRELY WITHIN THE GRANITE. IT MAY BE DUE TO GENERAL HYDROTHERMAL ALTERATION (WITH ACCOMPANYING MINERALIZATION?) SO SHOULD BE CHECKED BY AT LEAST RECONNI.-SCALE SOIL-SAMPLING, AND SOME GROUND MAG. TRAVERSES. (FRITZ ADVISES YOU USE THE FLUX-GATE, IF YOU STILL HAVE IT.)

3. RADIOACTIVITY THIS IS PRESUMABLY DUE TO THE PRESENCE OF RADIONACTIVE K-FELDSPAR - OFTEN AND AN INDICATOR OF WIDESPREAD HYDROTHERMAL ALTERATION AND, POSSIBLY, MINERALIZATION. I HAVE ATTEMPTED TO DELIMIT SPECIFIC ZONES, BUT NOTE THAT THESE ARE ONLY 'INFERRED', AND THAT OTHER CORRELATIONS OF THE DATA ARE POSSIBLE. A DIRECT GROUND CHECK OF THESE ZONES WOULD REQUIRE A SCINTILLOMETER - WHICH WE DON'T HAVE AT PRESENT; SOIL-SAMPLING PROVIDES THE BEST INDIRECT CHECK.

4. ELECTROMAGNETIC (E.M.) ANOMALIES WITHIN THE NICOLA ROCKS, THESE ARE ANT TO BE VERY MISLEADING; IF USED AS A CLUE FOR Cu MINERALIZATION. HOWEVER, THEY HAVE AN INDIRECT VALUE IN THAT THEY MAY RECORD GRAPHITIC FAULT OR INTER-BED MATERIAL, OR CERTAIN HIGHLY-PYRITIFEROUS BEDDING SECTIONS - THUS PROVIDING INFO. RE. FORMATIONAL TRENDS.

FINALLY, NOTE THAT THE MAP LOCATION OF THESE ANOMALIES ~~DEPEN~~ DERIVES FROM AIR NAVIGATION; HENCE ACTUAL GROUND LOCATIONS WILL VARY SOMEWHAT.

THANKS FOR YOUR LAHFORD MAPPING & NOTES. I CHECKED THE ASSAYS WITH COAST EARLIDGE AND THEY WERE ALL VERY LOW - AS EXPECTED. YOUR ADDITIONAL MAPPING & ASSESSMENT RECORDING SHOULD WIND UP THIS PROJECT.

HOPES TO SEE YOU IN 10 DAYS+, REGARDS.

cc. F.A.H.C.G.

Bill.