

REPORT ON THE HECTOR 1 AND 2 CLAIMS IN THE NICOLA MINING
DIVISION NEAR MERRITT, BRITISH COLUMBIA

JULY 1, 1982

BRADFORD J. COOKE

HISTORY OF THE PROPERTY

During July, 1981, a helicopter-borne electromagnetic survey was flown over selected areas near Merritt, B.C. as part of the Nicola Project (MS11). Purpose of the survey was to test Nicola Group volcanic rocks for geophysical responses related to volcanogenic massive sulfide deposits. Hector 1 and 2 claims were staked to cover 2 geophysical anomalies because competitors were actively exploring the Merritt area at the time. The property was explored briefly in July, 1981 and again in June, 1982.

WORK TO DATE

Work on the property to date includes an

expenditure of approximately \$1500 (~~\$1750~~ US) and 6
mandays of geological mapping and geochemical sampling.
Abundant farm fields and sparse outcrop indicate
thick overburden on the claims. However, Triassic
Niola Group andesite tuffs outcrop in the northeast
corner of Hector 2 and Triassic Jesse Creek Intrusion
quartz monzonite ~~lies~~ outcrop in the southwest
corner of Hector 1, the intervening area underlain by
Cretaceous Clapperton Formation sandstones. A total of
114 soil samples were collected from the claims, anal-
yzed for Cu, ~~Pb~~ Zn, Pb and Ag or Ba, ^{Data were} ~~and~~ plotted on
probability paper to determine background, threshold
and anomalous values.

CONCLUSIONS AND RECOMMENDATIONS

Geological mapping indicates that prospective
Niola Group volcanic rocks do not underlie the

geophysical anomalies, and those Nicola volcanics that do outcrop on the claims are andesites, not rhyolites.

Geochemical sampling did not locate any anomalous soil values. A check on the locations of the geophysical anomalies identified farm building with metal roofs and walls on Hector 1, and an irrigation ditch ~~with~~ on Hector 2. The ditch would have contained metal irrigation piping at the time of the survey, a fact confirmed in talking to the local rancher.

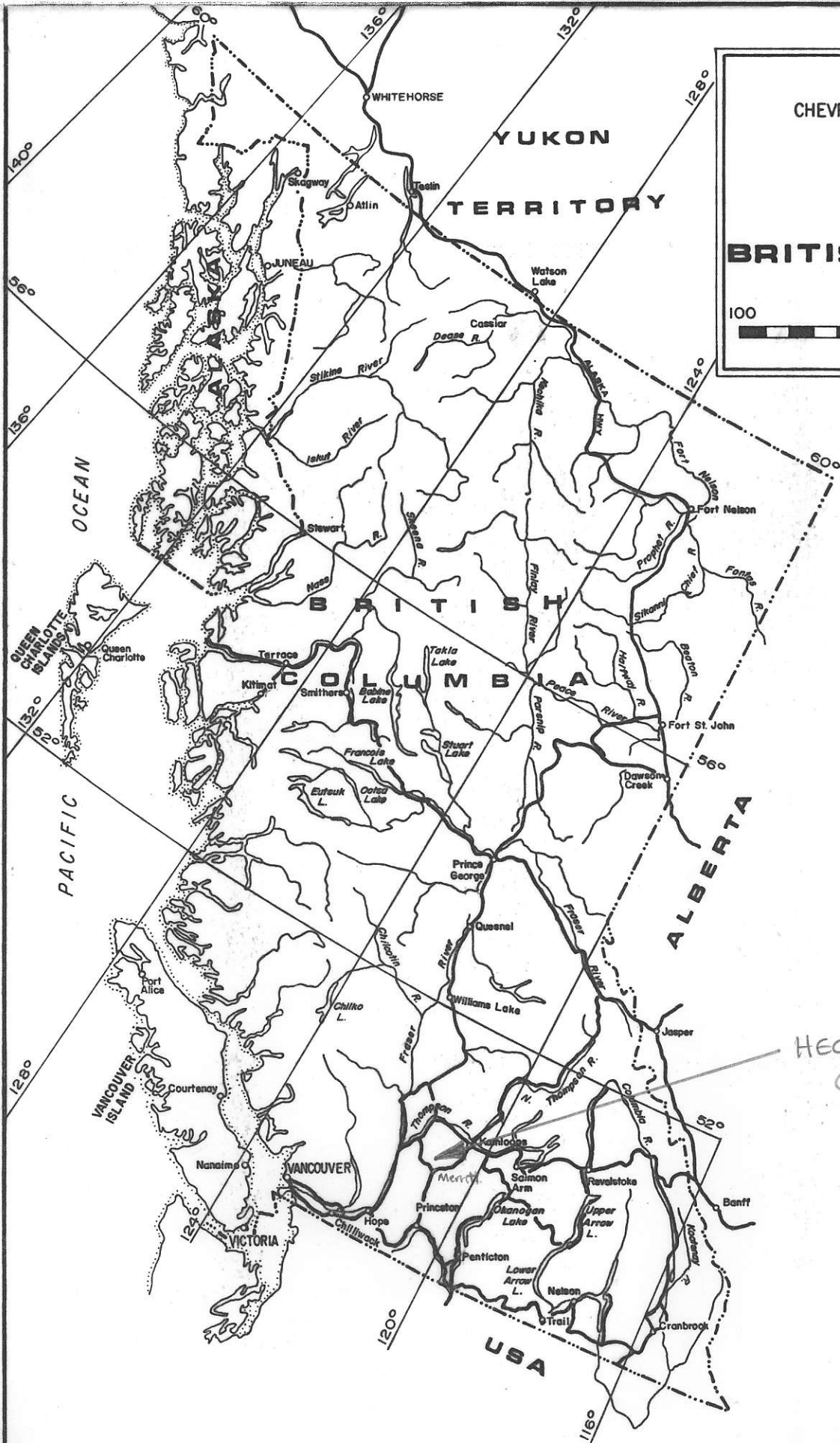
Neither geology nor geochemistry produced positive results. The geophysical anomalies can be explained by cultural causes. Therefore, Hector 1 and 2, claims should be allowed to lapse upon their anniversary date, August 14, 1982.

Respectfully submitted
Brad Lodge

CHEVRON STANDARD LIMITED
MINERALS STAFF

BRITISH COLUMBIA

MILES



HECTOR 1 AND 2
CLAIMS