

NAME OF PROPERTY

TACHI

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 100.

Lat. 54°45'10" Long. 126°10'45"

Mining Division Omineca

District Range 5 Coast

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The oldest rocks exposed are intermediate volcanic rocks, probably of Lower Jurassic age, which strike northward and dip steeply east. These are intruded by Topley granitic rocks which underlie the central part of the claim group.

The Topley granitic rocks near the mineral showings range from granodiorite to quartz monzonite in composition.

Alteration products include sericite on feldspars and incipient chloritization of biotite. More altered varieties exhibit 4- to 6-millimetre porphyroblasts of potash feldspar, plus epidote, chlorite, potash feldspar, and magnetite in and marginal to numerous fractures.

Biotite-quartz feldspar-porphyry dykes were observed cutting the granitic rocks in the vicinity of the principal mineral showings near 2,900 feet elevation on Tachek Creek. The dykes have irregular, commonly brecciated contacts with the granites and strike predominantly east. Where seen in the creek, they are several feet wide, although drill intersections in the order of 50 feet were encountered. The dyke rock, while lithologi- see Card 2

Associated minerals or products of value - Molybdenum.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on Tachek Creek on the west side of Babine Lake, 4 miles south-southwest of Topley Landing.

The Tachi, Tachek, and Met groups, totalling 170 claims, owned by R. Keefe and H. Thornton, were under option during 1968-1969 to Noranda Exploration Company, Limited. Work included geological mapping, induced potential, magnetic, electromagnetic, and geochemical soil and silt surveys, the drilling and blasting of 12 pits, 3,326 feet of diamond drilling in 6 holes, and 5,655 feet of percussion drilling in 26 holes. The option was subsequently given up.

Taseko Mines Limited held the property in 1970 and carried out 1,000 feet of diamond drilling in 3 holes.

Perry, Knox, and Kaufman, Inc., of Spokane, Washington, held an option on the property in 1973. Work included a time-domain induced potential survey over 7 line-miles, and 1,000 feet of diamond drilling in 3 holes.

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HISTORY OF PRODUCTION

REFERENCES

Report of Minister of Mines, British Columbia: 1968, p. 133.
Geology, Exploration, and Mining; British Columbia Dept. of
Mines: 1969, pp. 115-117; 1970, p. 157; 1973, p. 350.

MAP REFERENCES

#Geology of the Tachi claims, Sc. 1":1 mile, Fig. 20,
Geology, Exploration, and Mining, 1969, p. 116,
British Columbia Dept. of Mines.

Map 671 A, Houston, (Geol.), Sc. 1":4 miles (1942).

Map 5317 G, Fulton Lake, (Aeromag.), Sc. 1":1 mile.

*Map 93 L/16, Fulton Lake, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	12-75						

PRODUCT

COPPER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 93 L/16

- Card 2 -
REF. CU 4

NAME OF PROPERTY

DESCRIPTION OF DEPOSIT (continued)

cally similar to the typical Babine porphyries with which the copper deposits of the region are associated, differs from them in age and by having quartz phenocrysts.

Sulphide mineralization, in the form of pyrite, chalcopyrite, and molybdenite, appears to be most widespread marginal to biotite-quartz feldspar-porphyry dykes. In general, molybdenite is restricted to potash feldspar rimmed fractures, while chalcopyrite occurs both in fractures and as disseminations in both the granitic rocks and the porphyries.