

PRODUCT

GOLD

PROVINCE OR
TERRITORY

N.T.S. AREA 93 L/14

REF. AU 4

NAME OF PROPERTY

COPPER QUEEN

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 200.

Lat. 54°50'27" Long. 127°22'10"

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

Lower and (?) Middle Jurassic dark green and purple andesites with some interbedded tuffs are separated from a series of greenish tuffs by a band of fossiliferous limestone. The green tuffs pass upwards to the south into a thick formation of purple tuffs. The tuffs are mostly fine grained and massive, but some beds are well laminated. These bedded rocks strike easterly and dip from vertical to 50 degrees north. The top of the series is believed to be to the south, so that where the dip is to the north or northeast the strata are overturned. These rocks are intruded by a stock of granodiorite outcropping at the south end of the Iron Mask claim and extending westerly across the Copper Queen and Lily Fraction claims. The stock ranges from 400 to 1,000 feet in width and approaches 3,000 feet in length. The granodiorite is cut by a lamprophyre dyke 30 feet wide and dipping at a low angle to the south.

On the southeast part of the Copper Queen claim there is a mineralized sheared zone in the granodiorite stock. The vein strikes north 80 degrees east and dips 83 degrees north. It

see Card 2

Associated minerals or products of value - Silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

The Copper Queen Crown-granted claim (Lot 5751) is located at the 5,300 foot elevation on the east side of Silvern Lake, on Hudson Bay Mountain, 9 miles northwest of Smithers.

The Copper Queen claim, as part of the Silver Creek property (93 L/14, AG 3) was held by Peter Schufer and Leeman Wood from about 1907. The claim was Crown-granted in 1914. No work has been reported on the Copper Queen showings.

120642

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), pp. 120, 123, Geol. Surv. of Canada, 1954.

Reports of Minister of Mines, British Columbia: 1907, p. 80; 1914, p. 513.

Leach, W.W.; The Bulkley Valley, B.C.; Summary Report 1907, p. 19, Geol. Surv. of Canada.

Hurst, M.E.; Arsenic-Bearing Deposits in Canada; Economic Geology Series No. 4, p. 46, Geol. Surv. of Canada, 1927.

MAP REFERENCES

Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.

Preliminary Map 44-23, Smithers, (Topo.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.

Sketch Map of the Silver Lake section, Sc. 1":2,000 ft. (approx.), Report of Minister of Mines, British Columbia, 1928, p. 165.

Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.

#Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	1-76						

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British Columbia

N.T.S. AREA 93 L/14

Card 2 -
REF. AU 4

NAME OF PROPERTY

COPPER QUEEN

DESCRIPTION OF DEPOSIT (continued)

ranges from 2 to 4 feet in width and can be seen to continue along the surface for about 200 feet. The sheared and altered rock is traversed by small sulphide stringers and seams consisting of pyrite, arsenopyrite, and pyrrhotite. A 12-inch channel sample taken across the central part of the vein at the portal of the adit assayed: gold, 0.15 ounce a ton; silver, 2.86 ounces a ton.