

NAME OF PROPERTY COPPER KING

OBJECT LOCATED - from descriptive data.

UNCERTAINTY IN METRES 1,000. Lat. 51°27'25" Long. 118°49'30"

Mining Division	Kamloops	District
County		Township or Parish
Lot		Concession or Range
Sec	Tp.	R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The underlying rock, as indicated on Map 12-1964, includes quartz-biotite-feldspar schist and paragneiss, quartzite and marble of the Shuswap Metamorphic Complex. Mineralization occurs along a general N24°W strike and 40°SW dip, conformable to the country rock.

The main copper showing suggests a zone comprising several bands of quartz mineralized with chalcopyrite alternating with beds of mica-schist and crystalline limestone. The quartz bands are 3 to 6 feet wide with intervening country rock of about the same width. The mineralization, as exposed in an open cut, occurs over a width of about 12 feet; the chalcopyrite occurs as blobs and as disseminations in the quartz. The adit locally exposes quartz mineralized with chalcopyrite and very little iron pyrites over a width of 10 to 12 feet. The mineralization exposed in the adit was not continuous to the face. A selected specimen from the dump assayed: gold, trace; silver, 0.6 ounce per ton; copper, 3.1%.

The Copper King and McLeod veins have been variously reported as the same vein, as faulted segments of the same vein, or as separate veins. It has also been suggested that the Cotton Belt and McLeod zones are limbs of a synclinal fold that may join at depth.

Associated minerals or products of value - Silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the steep northeasterly slope of Grace Mountain, approximately 17 miles northeast of Seymour Arm and 80 miles northeast of Kamloops. The showings lie almost parallel to and some 800 feet above the south fork of Blais Creek.

The discovery of the nearby Cotton Belt showings (82 M/7, ZN 1) in 1905 led to further prospecting and staking in the area. The Copper King group, comprising the Copper King, Copper Queen, and Chalcocite claims, was staked by J. Blais, H. Sinclair, and F. Munger, of Kamloops on a copper showing which was later found to extend into the Grand Mogul claim of the Camp McLeod group. Intermittent exploration work over the period 1907-1913 was confined to trenching.

The Granby Consolidated Mining, Smelting, and Power Company, Limited optioned the Copper King group, and the adjacent Camp McLeod group (82 M/7, ZN 2) in 1917. An adit was driven 150 feet on the best copper showing and diamond drilling carried out. A small shipment of ore was reportedly made in 1917. The option was allowed to lapse in 1919.

Falconbridge Nickel Mines Limited in 1963 held the Zan group of claims in this vicinity. A geochemical survey was carried out.

Great Northern Petroleums & Mines Ltd. in 1966 acquired 74 claims in the Shuswap, Snow, and GN groups, which included the Copper King, McLeod, and Cotton Belt zones. Work to 1970 on the Copper King included geological mapping and the re-opening and sampling of the adit, now reported to be 175 feet in length.

The Copper King property was owned in 1976 by George Adams, of Kamloops, as the Vegas claim (12 units). In 1977 the claim was optioned by Metallgesellschaft Canada Limited and Cyprus Anvil Mining Corporation under a joint venture agreement. Work during the year included an induced potential survey.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1907, p. 133; 1909, pp. 139, 140; 1912, p. 184; 1913, pp. 181, 182, 202<sup>+</sup>; 1917, p. 236; 1918, p. 236; 1919, pp. 179, 191; 1922, p. 152<sup>++</sup>.

Mineral Policy Sector; Corporation Files: "Great Northern Petroleum & Mines Ltd."

Mineral Deposit Inventory, 82 M - 125, British Columbia Dept. of Mines.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1970, p. 318; 1977, p. E 64; 1977, p. E 94.

Geological Fieldwork, British Columbia Dept. of Mines: 1978, pp. 18-22 (Paper 79-1).

MAP REFERENCES

Map 12-1964, Big Bend, (Geol.), Sc. 1":4 miles - accomp. Paper 64-32, Geol. Surv. of Canada.

Map 7219 G, Seymour Arm, (Aeromag.), Sc. 1":1 mile.

\*Map 82 M/7 W, Ratchford Creek, (Topo.), Sc. 1:50,000.

Seymour River District, Sketch Map, Sc. 1":5½ miles, Report of Minister of Mines, British Columbia, 1907, p. 132.

REMARKS

See also: Complex (McLeod) - 82 M/8, ZN 2.

Comp./Rev. By	DMacR	DMacR					
Date	12-77	02-82					