

PRODUCT		ZINC	TERRITORY		N.T.S. AREA		82 M/7	REF. ZN 2
NAME OF PROPERTY			COMPLEX (McLEOD) (CAMP McLEOD)			HISTORY OF EXPLORATION AND DEVELOPMENT <p>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 McLeod vein lies adjacent to and some 300 feet lower in elevation than the Copper King vein (82 M/7, Cu 1), and 3,000 feet northeast of the Cottonbelt vein (82 M/7, Zn 1).</p> <p>The discovery of the Cotton Belt showings in 1905 led to further prospecting and staking in the area. The Camp McLeod group, comprising the Camp McLeod, Steeple Jack, Grand Mogul, and Eagle's Nest claims were staked on lead-magnetite showings southeast of the Copper King. The first report of activity on the property was in 1907. Intermittent exploration work to 1913 included open cutting and a 66 foot long drift adit.</p> <p>The Granby Consolidated Mining, Smelting, and Power Company, Limited optioned the Camp McLeod group and the adjacent Copper King property in 1917. Work was apparently confined mainly to the Copper King property. The option was allowed to lapse in 1929.</p> <p>The property was referred to in the Report of Minister of Mines, 1922 as the Complex Group. Falconbridge Nickel Mines Limited in 1963 held the Zan group of claims in this vicinity. A geochemical survey was carried out.</p> <p>Great Northern Petroleum & Mines Ltd. in 1966 acquired 74 claims in the Shuswap, Snow, and GN groups, including the Camp McLeod, Copper King, and Cotton Belt showings. Work to 1972 included sampling in 19 trenches over a length of 2,000 feet on the McLeod vein and geological mapping.</p> <p>The property was acquired in 1976 as the Nevada claim (6 units) by Les Adams, of Kamloops. 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.</p>		
OBJECT LOCATED - from descriptive data.								
UNCERTAINTY IN METRES 1,000. Lat. 51°27'20" Long. 118°49'20"								
Mining Division	Kamloops	District						
County		Township or Parish						
Lot		Concession or Range						
Sec	Tp.	R.						
OWNER OR OPERATOR AND ADDRESS								
DESCRIPTION OF DEPOSIT								
<p>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 vein is reported to vary in width from 3 to 14 feet and to occur between gneiss on the hanging wall and crystalline limestone on the footwall. Mineralization was continuous along the 65 foot adit and consisted of 7 feet of mineralized rock containing mainly magnetite but also values in lead, zinc, and copper. An assay of a sample representative of the face of the adit gave: gold, 0.02 ounce per ton; silver, 5 ounces per ton; lead, 11%; zinc, 16.5%; iron, 33.5%. A sample across 3 feet of vein outcrop about 700 feet southeast of the adit gave: gold, trace; silver, 4.8 ounces per ton; copper, 8.1%; lead, 1.6%.</p> <p>The Camp McLeod and Copper King veins have been variously described as the same vein, as faulted segments of the same vein, or as separate veins. It has also been suggested that the McLeod and Cotton Belt zones are limbs of a synclinal fold that may join at depth.</p>								
Associated minerals or products of value - Silver, lead, copper, iron.								

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1907, p. 133; 1908, p. 123; 1909, p. 141; 1910, p. 128; 1911, p. 182; 1912, p. 184; 1913, pp. 18, 203 + ; 1917, p. 236; 1918, p. 236; 1919, p. 191; 1922, p. 152.
 Wheeler, J.O.; Big Bend Map-Area, British Columbia; Paper 64-32, p. 28, Geol. Surv. of Canada.
 Mineral Policy Sector; Corporation Files: "Great Northern Petroleum & Mines Ltd."
 Geology, Exploration and Mining; British Columbia Dept. of Mines: 1970, p. 318; 1976, p. E 64; 1977, p. E 94.
 Geological Fieldwork, British Columbia: 1978, pp. 18-22 (Paper 79-1).

MAP REFERENCES

Map 12-1964, Big Bend, (Geol.), Sc. 1":4 miles - accomp. Paper 64-32.
 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 - Copper King - 82 M/7, Cu 1
 Cotton Belt - 82 M/7, Zn 1

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