

PRODUCT TUNGSTEN		PROVINCE OR TERRITORY British Columbia	N.T.S. AREA 92 0/2	REF. W 1
NAME OF PROPERTY TUNGSTEN QUEEN		HISTORY OF EXPLORATION AND DEVELOPMENT		
OBJECT LOCATED—Symbol on Map 92 0 (MI). UNCERTAINTY IN METERS—150. Lat. 51°02'05" Long. 122°45'00" Mining Division Lillooet District Lillooet County Township or Parish Lot Concession or Range Sec Tp. R.		<p>This property is situated fifteen miles north of Gold-bridge along Tyaughton Creek between Relay and Noaxe Creeks at 4,000 to 5,000 feet elevation. In 1969 it consists of forty-eight claims including the KAS, Gordi and Cinnabar claims. The group covers the ground formerly occupied by the Tungsten King (92 0/2, W 2) and Tungsten Queen Groups.</p> <p>The Tungsten Queen Group was located on the east side of Tyaughton Creek about two miles by road north of its confluence with Noaxe Creek. Originally known as the Phillips Group, it consisted of thirteen claims, the Cinnabar Nos. 1 to 4, Tyax Nos. 11-12 and Sandy Nos. 2 to 8 claims, staked between 1936 and 1938 by Edwin Phillips of Minto City. He originally prospected for mercury, driving one short adit and making several open cuts. In the summer of 1939, tungsten mineralization was discovered on the property. The Consolidated Mining and Smelting Company, Limited, leased the property between September 1941 and September 1942. They drove a 54-foot adit at 4,200 feet elevation and a 171-foot adit at 4,137 feet elevation, mining three tons of high-grade ore. Mr. Phillips continued making small shipments of scheelite at irregular intervals to Bralorne for treatment. By 1943 a total of 41 tons of hand-cobbed, high-grade ore and 20 tons of low-grade ore had been mined, exhausting the deposit. In 1952, Mr. Phillips discovered another scheelite-stibnite showing on the property, running a drift on it.</p> <p>In 1969 Bethlehem Copper Corporation Ltd. acquired 48 claims covering ground formerly occupied by the Tungsten Queen and Tungsten King (92 0/2, W 2) Groups. They prepared topographic maps of the property and surface workings, conducted geological, magnetometer and geochemical surveys and made twelve bulldozer trenches and two hand pits.</p>		
OWNER OR OPERATOR AND ADDRESS				
DESCRIPTION OF DEPOSIT The rock formations of this property include the Permian Fergusson Group and the Upper Mesozoic Taylor Group. These are intruded by a large irregular body of carbonatized serpentine which is in turn intruded by many feldspar porphyry dykes of Tertiary age. Cinnabar and hematite are associated with fractures and shear zones in volcanics. Scheelite occurs in veins in carbonatized serpentine. The 1942 workings are on two parallel dykes, about two feet apart and one to three inches wide. They strike northwest and contain scheelite, stibnite, quartz and carbonate. Thin vein-lets of cinnabar occur along fracture veins in the Fergusson greenstone and also rimming amygdulites in more massive lavas.				
Associated minerals or products of value — Mercury, antimony, iron.		Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.		

HISTORY OF PRODUCTION

Between 1940 and 1953, 17,407 pounds of WO_3 were recovered from the Tungsten Queen property.

REFERENCES

- Stevenson, J.S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (revised), pp. 101-104, British Columbia Dept. of Mines, 1943.
- Stevenson, J.S.; Mercury Deposits of British Columbia; Bulletin No. 5, pp. 83-85, British Columbia Dept. of Mines, 1940.
- Cairnes, C.E.; Geology and Mineral Deposits of the Tyaughton Lake Map-Area, British Columbia; Paper 43-15, pp. 37-39, Geol. Surv. of Canada, 1943.
- Geology, Exploration and Mining, British Columbia Dept. of Mines: 1969, p. 186.
- Reports of Minister of Mines, British Columbia: 1941, p. A-28; 1942, p. A-78; 1943, p. A-78; 1952, p. 114; 1953, p. 100; Index 3, p. 216.
- Mineral Resources Branch; Metals Controller File: MC-167-T2-2-37.

MAP REFERENCES

- Map 43-15 A, Tyaughton Lake, (Geol.), Sc. 1": $\frac{1}{2}$ mile, accompanying Paper 43-15.
- Fig. 6, Tungsten Queen, (Geol.), Sc. 1":200 feet, in Stevenson, 1943, p. 102.
- Map 546 A, Tyaughton Lake, (Topo.), Sc. 1:50,000, Dept. of Mines and Resources, 1939.
- *Map 92 O (MI), Taseko Lake, Sc. 1:250,000, B.C. Dept. of Mines and Petroleum Resources.
- Maps 92 O/2 East and West, Tyaughton Creek, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By

CD

Date

10-73

BCI 920-18, 19.