

NAME OF PROPERTY **WOLFRAMITE**

OBJECT LOCATED -symbol on Map 104 N/11 W.

UNCERTAINTY IN METERS- 100 Lat. 59°41'55" Long. 133°23'50"

Mining Division **Atlin** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The vein explored is persistent and 2 to 4 feet wide, but mineralization is patchy, successive samples at the same point yielding grossly different assays. The vein matter is essentially quartz and wolframite with rare specks of sulphides. The alaskite near the vein is sericitized and carries reddened feldspar. A quartz vein on the adjoining Emil group is on strike with the No. 5 zone, but lies in greenstone beyond the contact of the alaskite and carries arsenopyrite together with fine-grained wolframite.

Associated minerals or products of value

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 6,000 foot elevation at the head of Boulder Creek, 1 mile northwest of the summit of Ruby Mountain.

The first work done on the showing was in 1903 when an 8-foot shaft was sunk on the vein in search for gold values. In 1939 The Consolidated Mining and Smelting Company of Canada Limited, while placer mining on Boulder Creek, found wolframite with the placer gold in the sluice-boxes. The old showing was then staked as the Wolframite group and stripping and trenching was carried out in 1939, 1940, and 1941. The claims were leased to N.S. Fisher and O. Olsen, of Atlin, in 1942; a small shipment of ore was made the following year.

Transcontinental Resources Limited headed up a syndicate to explore the area; stripping revealed five mineralized zones. A total of 52 claims and fractions were acquired in the area. Black Diamond Tungsten Limited was incorporated in September 1951 to carry out development work. During the winter of 1951-52 a road was completed to the original showing, now designated No. 5 zone, and an adit was driven 400 feet along the vein; 440 feet of diamond drilling was done from the adit. During 1952 bulk sampling and diamond drilling was done on zones 5, 6, and 6A. Geological mapping was carried out over the entire property. The 21 claim Emil group adjoining to the northeast was acquired and geological mapping, test pitting, and bulk sampling carried out.

Canadian Johns-Manville Company, Limited, carried out a geochemical survey on the Hobo group in 1968.

SEE 104N/11 W-3

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

In 1943 Messrs. Fisher and Olsen shipped 1,797 pounds of wolframite ore to the Prince Rupert Sampling Plant; the ore was found to contain 15.20% tungsten. The shipment was then forwarded to the Mines Branch, Ottawa, where some 244 pounds of tungstic oxide were recovered. (Report of Minister of Mines, B.C., 1943, p. 52).

REFERENCES

- Aitken, J.D.; Atlin Map-Area, British Columbia; Memoir 307, p. 72, Geol. Surv. of Canada, 1959.
- Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 51, British Columbia Dept. of Mines, 1943.
- Reports of Minister of Mines, British Columbia: 1940, p. 86; 1943, p. 52; 1950, p. 72; 1951, p. 73; 1952, p. 75.
- Mineral Development Sector; Corporation Files: "Transcontinental Resources Limited"; "Black Diamond Tungsten Limited".
- Investigation No. 1384; Concentration Tests on a Sample of Wolframite Ore from Boulder Creek; Report of the Ore Dressing and Metallurgical Laboratories, Mines Branch, Ottawa, 1943.

MAP REFERENCES

Map 1082 A, Atlin, (Geol.), Sc. 1":4 miles - accomp. Memoir 307.

*Map 104 N/11 W, Surprise Lake, (Topo.), Sc. 1:50,000.

REMARKS

See also: Black Diamond - 104 N/11, W 1.

BCI 104 N - 6

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