

NAME OF PROPERTY **GARNET (BLACK DIAMOND) (TUNGSTEN GROUP)**

OBJECT LOCATED -corner post - Garnet 1, 2, 3, 4.

UNCERTAINTY IN METERS Lat. 59°40.5' Long. 133°25.8'

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 mineralization occurs in an alaskite intrusive of Cretaceous age and adjacent sedimentary and volcanic rocks of the Cache Creek group. Numerous quartz veins in alaskite, quartzite, and limestone are mineralized with wolframite, molybdenite, and galena. The initial work was carried out on a tungsten mineralization occurring as wolframite and ferberite in a lenticular quartz vein which outcrops near the centre of the claims at an elevation of 4,300 feet. The vein strikes north 30 degrees east and dips 60 degrees to the west, and is exposed in six open-cuts over a distance of 230 feet; the vein appeared to be from 6 to 30 feet wide. Some granite is included in the latter width.

Associated minerals or products of value - **Molybdenum.**

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the west side of Boulder Creek, 2½ miles upstream from its mouth, between elevations of 4,000 and 4,600 feet.

The first work done on the ground was in 1903 during the Atlin gold-rush; an open cut was dug on the vein. The Consolidated Mining & Smelting Company of Canada Limited, while placer-mining on the creek in 1939, staked the Tungsten group of claims on the showing. Stripping and trenching was carried out in 1939, 1940, and 1941 on three showings which were named the South (Tungsten Group), North, and Wolframite. The Tungsten group was leased to N.S. Fisher and O. Olsen, of Atlin, in 1942 and further stripping and trenching carried out.

The Tungsten group showings were held in 1950 by Messrs. Fisher and Olsen as the Black Diamond 1-4 claims. Transcontinental Resources Limited headed up a syndicate to explore the area and Black Diamond Tungsten Limited was incorporated in September 1951; development work carried on during 1951-52 was confined mainly to the Wolframite group (104 N/11, W 2).

Canadian Johns-Manville Company, Limited, held the Garnet 1-4 claims, covering the Tungsten group showings. Work during 1970 included a geological survey, and geochemical soil sampling in trenches. A magnetometer survey was carried out in 1972.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1940, p. 86; 1950, p. 72.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 51, British Columbia Dept. of Mines, 1943.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 30; 1972, p. 557.

Aitken, J.D.; Atlin Map-Area, British Columbia; Memoir 307, p. 72, Geol. Surv. of Canada, 1959.

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

Location from Mineral Deposit Inventory, Property No. 3873, British Columbia Dept. of Mines.

Comp./Rev. By	DMacR	DMacR					
Date	6-74	4-76					