

## NAME OF PROPERTY

METEOR

OBJECT LOCATED - Upper adit.

UNCERTAINTY IN METRES 300. Lat. 49°45'35" Long. 117°21'10"

Mining Division Slokan District Kootenay

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR

## DESCRIPTION OF DEPOSIT

The underlying rocks are Mesozoic coarse-grained, porphyritic granite of the Nelson batholith, intersected here and there by acid and basic dykes. The granite is sheared and altered near the mine workings.

The adits explore a vein that strikes about north 75 degrees west and dips about 35 degrees north. Vein width varies from about 8 to 12 inches. The walls of the vein are well defined and the width is fairly persistent, although bulges and squeezes occur at intervals.

The vein has proved somewhat difficult to follow as it is dislocated by a series of nearly parallel vertical faults, the throw being, in each case, down and towards the south. The vein is largely of quartz carrying a little zinc blende and galena, grey copper, stephanite, argentite, and native silver. Pyrite and chalcopyrite are present and with them may be associated the important gold content. Scheelite was also discovered in the Meteor vein. It is stated to have formed a mass of about 500 pounds on No. 2 level where it occurred as a wedge-shaped body

p.t.o. ....

Associated minerals or products - Gold, lead, zinc, tungsten.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 7,000 foot elevation at the head of Tobin Creek, a northerly flowing tributary of Springer Creek, 5 miles east of the south end of Slokan Lake.

The showing was discovered and staked in 1895. J.A. Finch & associates optioned the property in 1896 and several carloads of high-grade ore were shipped the following year. Three claims, the Cultus, Ottawa No. 5, and Meteor (Lots 2891-2893 respectively) were Crown-granted to Finch & associates in 1899. The vein was apparently not found in the lower adit and work ceased in about 1900. Lessees carried out intermittent exploration and development during the period 1905 to 1917. J.C. Buchanan acquired the property in 1919 and began driving No. 6 level adit; he continued the project in 1922 and 1923. Lessees worked the property in 1928 and intermittently from 1932 to 1940. Some ore shipments were made under the name Meteor Mining Company, which may have been an American incorporation. In the early 1930's the owners of the property were reported to be E. Murphy and M.S. Mayfield. Development work to that date comprised 6 adits, of which the three lower ones totalled over 1,400 feet of drifts and crosscuts.

Cultus Explorations Ltd. was incorporated in May 1963 to acquire the above Crown-grants, and the Deadwood claim (Lot 3576). No. 6 level was rehabilitated for 800 feet and stoping and underground diamond drilling carried out. A 50 ton-per-day mill, installed near No. 6 adit, was put into operation in 1964. Drifting, crosscutting and raising during the year totalled 405 feet. The mine closed in November 1964. Lessees carried out some underground exploration work in 1967 and 1970.

## HISTORY OF PRODUCTION

During the period 1897 to 1967 inclusive 2,878 tons of ore were shipped or milled. From this ore 418 ounces of gold, 150,779 ounces of silver, 1,320 pounds of lead, and 1.376 pounds of zinc were recovered.

## MAP REFERENCES

Map 1090 A, Nelson (West Half), (Geol.), Sc. 1":4 miles - accomp. Memoir 308, Geol. Surv. of Canada, 1960.

#Map 272 A, Slocan, (Geol.), Sc. 1":1 mile - accomp. Memoir 173, Geol. Surv. of Canada.

Map 8482 G, Slocan, (Aeromag.), Sc. 1":1 mile.

\*Map 82 F/14, Slocan, (Topo.), Sc. 1:50,000.

## DESCRIPTION OF DEPOSIT (continued)

about 12 feet long and 4 inches thick at the base. A small kidney of scheelite, amounting to about 25 pounds, was also found on No. 4 level.

Comp./Rev. By	DMacR						
Date	12-79						

## REFERENCES

### Reports of Minister of Mines, British Columbia:

1896, p. 72; 1897, p. 535; 1899, p. 845; 1904, p. 168; 1905, p. 162; 1906, pp. 146, 249; 1909, p. 115; 1910, p. 100; 1911, p. 154; 1912, p. 150; 1913, p. 126; 1914, p. 289; 1915, p. 133; 1916, p. 199; 1917, p. 190; 1919, pp. 126<sup>+</sup>; 155; 1922, p. 203; 1923, p. 229; 1928, p. 297; 1932, p. 178; 1934, p. A 26; 1935, p. G 51; 1936, p. E 49; 1939, p. 96; 1940, p. 81; 1963, p. 79; 1964, p. 129; 1967, p. 249.

††Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Memoir 184, p. 179, Geol. Surv. of Canada, 1935.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 155, British Columbia Dept. of Mines, 1943.

Mineral Policy Sector; Corporation Files: "Cultus Explorations Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 447.