

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

AT, TA (TESLA MTN.)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Omineca	District District	Range 4 Coast
County Comté		Township or Parish Canton ou paroisse	
Lot Lot		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.	

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Meteor Mining Co. Ltd.,
574 Yates St.,
Victoria, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The main showings are at about the 5,500-foot elevation on the west facing slope of a ridge underlain by andesitic volcanic rocks and dykes. The strongest showing consists of chalcopryrite as fracture fillings in a highly siliceous zone over a maximum exposed width of 4 feet. This exposure is estimated to contain 8 to 10% copper. Low-grade chalcopryrite mineralization is exposed in nearby open cuts except where post mineralization dykes of vesicular andesite occurs. Similar low-grade mineralization is exposed in rock cuts about 200 feet to the northwest. This showing and the main one both adjoin the east wall of a northwesterly fault which is inferred from air photographs. A third showing is 500 feet to the west of the main one and lies beyond the fault. It consists of a buff coloured siliceous vein with barite and sulphides which strikes N40°E, dips southeast at about 50°, and is exposed for about 150 feet. Throughout this distance the vein is split into two parts by a parallel later dyke of unmineralized andesite which is about 10 feet wide. The part of the vein lying southeast of the dyke is as much as 5 feet wide; the part lying northwest is mostly 1 foot wide. Galena, pyrite, and rarely tetrahedrite

p.t.o.

Associated minerals or products - Silver, lead,
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The showings are located on the eastern part of Tesla Mountain, south of Tesla Lake, between elevations of 3,100 and 6,100 feet.

A number of claims were staked on the mountain prior to 1919, and during several years following, and some work was done in trenching on the showings. Percy Gadsten, of Bella Coola, staked about 12 claims, including the Concord, Nettie L, Dolly D, and Chalcopryrite, in 1923. In 1926 the Tetrahedrite claim was owned by G.A. Young. Some of the showings were subsequently held by J.L. Powney or J.C. Kay. No work was reported on the showings from 1924 until 1964.

Meteor Mining Co. Ltd., a private company formed in June 1962, acquired 34 claims on the mountain in the AT and TA groups. The company was converted from private to public in September 1964. Work by the company in 1964 included prospecting and trenching. In 1965 a self potential survey and detailed soil sampling was done in an area measuring 2,000 by 800 feet which adjoins the main showing. During 1966 geological and geochemical surveys were made of the same area and diamond drilling totalling 75 feet was done in 2 holes.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

mineralization is scattered throughout the quartz-barite vein filling. In the headwall of a cirque about $\frac{1}{2}$ mile southeast of the above showings a vein is enclosed by a foliated shear zone which strikes N80°E and dips S35°. Within the shear zone is a siliceous, crudely banded vein with a maximum exposed thickness of 6 inches. The vein contains tetrahedrite mainly in a central layer which is mostly less than $\frac{1}{2}$ inch wide. The surrounding volcanic rocks are jointed and sheared in several directions and are locally altered to jasper and mineralized with disseminated chalcopryrite. Samples of the vein are reported to have assayed very high in silver.

REFERENCES/BIBLIOGRAPHIE

- Carr, J.M.; AT (Meteor Mining Co. Ltd.); Report of Minister of Mines, British Columbia, 1965, p. 88.
- Duffell, S.; Whitesail Lake Map-Area, B.C.; Memoir 299, p. 100, Geol. Surv. of Canada, 1959.
- Reports of Minister of Mines, British Columbia:
1919, p. 38; 1923, p. 44; 1924, p. 44; 1926, p. 149;
1966, p. 117.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1064 A, Whitesail Lake, B.C., (Geol.), Sc. 1":4 miles -
accomp. Memoir 299.

Map 93 E, Whitesail Lake, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	12-67						

BCI 93E-61