

PRODUCT
PRODUIT

COPPER

PROVINCE OR
TERRITORY

PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA
RÉGION DU S.N.R.C.

103 I/9

REF. CU 3
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

GROTTO

OBJECT LOCATED - from descriptive data.
OBJET LOCALISÉ

UNCERTAINTY 500 m
FACTEUR D'INCERTITUDE

Lat. 54°42'20"

Long. 128°21'

Mining Division Omineca
Division minière

District
District

Range 5 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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Jurassic Hazelton Group volcanics are cut by granodiorite dykes and by cupolas of the Coast Intrusions. Quartz veins generally from 6" to 21" wide occur adjacent to the contacts of the intrusives and along shears and faults in the volcanics. They strike generally northeast and dip 35° to 70°NW. Metallic minerals present in these narrow veins include pyrite, chalcopyrite, and specularite, with minor amounts of sphalerite and chalcocite. Tungsten has been reported on this property.

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

The showings are located on Hardscrabble Creek about 1.5 miles west of the Skeena River and some 17 miles northeast of Terrace.

The discovery was made in 1927 by J. Bell, who with G. Alger and associates, of Usk, carried out intermittent exploration in open cuts and adits until 1938. The property comprised 12 claims, the Gwen, Gwen No. 1, Poes, Grotto, Grotto No. 2, Senaca, Coselite, Gap Eagle, Talus, Monsoon, Canyon and Minerva.

Canadian Explorations, Limited acquired an option in the late summer of 1938 and small scale exploration and development continued into 1941. Small ore shipments were made to the Provincial Government sampling plant at Prince Rupert in 1938-39.

Tungsten of British Columbia, Ltd acquired the property in 1952 and intermittent exploration and development under the management of J. Bell continued into 1954. The workings at that time included open cuts and about 160' of drifts and crosscuts in 3 adits. About 600' of diamond drilling was done by the latter company.

Huestis Molybdenum Corporation Ltd held the ground in 1958-59 as part of a much larger property. Mapping and sampling of the adits was reported.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Ore shipments in 1938-39 and 1953 totalled 69 tons. From this ore 40 ozs gold, 1,386 ozs silver and 5,075 lbs copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1929, p. 152; 1930, p. 137; 1931, p. 71; 1937, p. C 4⁺; 1938, p. B 27⁺⁺; 1939, p. 69; 1940, p. 55; 1941, p. 55; 1952, p. 85; 1953, p. 92; 1954, p. 85; 1959, p. 17.

Duffell, S. and Souther, J.G.; Geology of Terrace Map-Area, British Columbia; Memoir 329, p. 89, Geol. Surv. of Canada, 1964.

+Kindle, E.D.; Mineral Resources, Usk to Cedarvale, Terrace Area, British Columbia; Memoir 212, p. 38, Geol. Surv. of Canada, 1937.

Kerr, F.A.; Mineral Resources along Canadian National Railway between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 34, Geol. Surv. of Canada.

Lode Gold Deposits of British Columbia, Bulletin No. 1, 1932, p. 56, B.C. Dept. of Mines.

Mineral Policy Sector; Corporation Files: "Huestis Mining Corporation Ltd" - contains report by W.H. White, 10/10/59; "Tungsten of British Columbia, Ltd".

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 59, B.C. Dept. of Mines.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1136 A, Terrace, (Geol.), Sc. 1":4 miles - accomp. Memoir 329.

Plan of the Grotto group, Sc. 1":150', Fig. 6, Memoir 212, p. 39.

Map 103 I/9, Usk, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	10-84						