

PRODUCT  
PRODUIT

COPPER

PROVINCE OR  
TERRITORY

PROVINCE OU  
TERRITOIRE

British Columbia

N.T.S. AREA 103 I/9  
RÉGION DU S.N.R.C.

REF. CU 19  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

DIORITE (DIAMOND)

OBJECT LOCATED - from descriptive data.  
OBJET LOCALISÉ

UNCERTAINTY 500 m  
FACTEUR D'INCERTITUDE

Lat. 54°42'  
Lat.

Long. 128°20'20"  
Long.

Mining Division  
Division minière

Omineca

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 cupolas of granodiorite and quartz-albite dykes, some of which help to form the walls of the narrow canyon through which the creek flows at this point. Chalcopyrite and sparse bornite occur along minor faults and fractures in a quartz-albite dyke. The sulphides are also present along the contacts of 6-inch wide granodiorite dykes that cut the quartz-albite dyke. On the opposite side of the creek a short adit and some open-cuts explored the occurrence of chalcopyrite and bornite along joint planes in the volcanic rocks. A selected sample from one of the dykes assayed: Gold, 0.14 oz/t; silver, 0.8 oz/t; copper, 2.8%.

Associated minerals or products - Gold, silver.  
Minéraux ou produits associés

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

The showings are located in Hardscrabble Creek canyon, about one half mile west of the Skeena River and some 17 miles north-east of Terrace.

The Diamond, Ruby, Earle and Rainbow claims were staked in about 1914 by Stanley Ross and sons. Prospecting and mining was done in a large open cut, three short (15' to 20') adits and a 15' winze. Ten tons of hand sorted ore was shipped to the Anyox smelter in 1916.

The property was held in 1929 by J.M. Dechene as the Diorite group of claims. The workings at that time included a 37' adit. In the 1930's the Diorite group was acquired by J. Bell, G. Alger and associates, owners of the Grotto property adjoining to the west; no work was reported at that time.

Huestis Molybdenum Corporation Ltd held the ground in 1958-59 as part of a much larger claim group.

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**HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION**

By 1916, 10 tons of ore were shipped from this property. From this ore 1,000 pounds of copper and 65¢/ton in gold and silver were recovered. (Index 3 and 1916, p. 98).

**REFERENCES/BIBLIOGRAPHIE**

Reports of Minister of Mines, British Columbia: 1916, p. 98; 1929, p. 152; 1931, p. 71; 1937, p. C 4.

+Duffell, S. & Souther, J.G.; Geology of Terrace Map-Area, British Columbia; Memoir 329, p. 88, Geol. Surv. of Canada, 1964.

Kindle, E.D.; Mineral Resources, Usk to Cedarvale, Terrace Area, British Columbia; Memoir 212, p. 37, 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. 35, Geol. Surv. of Canada.

Report by W.H. White, 10/10/59, for Huestis Mining Corporation Ltd.

**MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES**

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

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

**REMARKS/REMARQUES**

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