

PRODUCT COPPER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 93 M/4
RÉGION DU S.N.R.C.

REF. CU 2
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

HIGHLAND BOY (DELTA COPPER)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°09'50"
Lat.

Long. 127°36'50"
Long.

Mining Division Omineca
Division minière

District
District

Cassiar

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

The property is entirely within the northern dome of porphyritic granodiorite of the Rocher Deboule stock. The showings consist primarily of two continuous subparallel vein shears striking nearly east-west and dipping steeply north. The upper or Highland Boy shear varies in width from 1 to 6 feet and is largely composed of shattered wallrock, but with good widths of vein matter in many places. At the portal of the main adit the vein is a stringer lode 2½ feet wide moderately well mineralized with chalcopyrite, pyrite, specular hematite, and magnetite. Elsewhere in the adit it varies between a tight barren shear in a lamprophyre dyke and a solid well mineralized vein 18 inches wide. The gangue includes quartz, hornblende, and altered and replaced granodiorite. Ore minerals, besides the prominent ores just mentioned, include scheelite, uraninite, and a tin mineral.

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

The property, consisting of 9 Crown-granted claims, is located on upper Juniper Creek east of the Rocher Deboule mine. The property was located about 1910 and acquired in 1912 by the Rocher Deboule Copper Company Ltd., who also owned the Rocher Deboule mine. It was leased to the Delta Copper Co. of Edmonton in 1915 who did most of the exploration and in 1917 made a shipment of ore. The property has commonly been called the Delta Copper and was leased sporadically in the early 1920's. It was acquired in 1951 by Western Uranium Cobalt Mines Limited who did no work on the property.

Development work has been done in two adits; the main adit is 300 feet in length and has a stope and winze about 100 feet from the portal; the adit on the Delta Fraction claim is several hundred feet in length.

The Chicago group of 5 claims, including Lots 513-515, was located at the head of Chicago Creek and north of and adjoining the Highland Boy group. The Chicago Rocher Deboule Copper Company, Limited, and the Delta Copper Company, Limited, were both organized in 1916 and apparently both held an interest in the Chicago group. The claims were Crown-granted to the Delta Copper Company in 1920.

Associated minerals or products - Tungsten, uranium, tin, silver,
Minéraux ou produits associés

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa

503315 *

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1917 about 75 tons of ore were shipped from this property. From this ore 4 ounces of gold, 35 ounces of silver, and 10,493 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Brown, A. Sutherland; Geology of the Rocher Deboule Range; Bulletin No. 43, p. 53, Dept. of Mines, B.C., 1960.

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, pp. 48-50, Geol. Surv. of Canada, 1940.

O'Neill, J.J.; Preliminary Report on the Economic Geology of Hazelton District, British Columbia; Memoir 110, pp. 14-18, Geol. Surv. of Canada, 1919.

Annual Reports, Dept. of Mines, B.C.: 1914, p. 189; 1916, pp. 109-113; 1917, p. 102; 1918, p. 113; 1920, p. 87; 1921, p. 97.

Mineral Policy Sector; Corporation Files: "Delta Copper Co. Ltd."

1917
10,493

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geological Map of the Rocher Deboule Range, Hazelton Mountains, B.C., Sc. 1":1 mile - sccomp. B.C. Dept. of Mines, Bulletin No. 43.

Map 93 M/4 E, Skeena Crossing, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	09-65						