

PRODUCT SILVER  
PRODUIT

PROVINCE OR PROVINCE OU  
TERRITORY TERRITOIRE British Columbia

N.T.S. AREA 93 M/4  
RÉGION DU S.N.R.C.

REF. AG 4  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ SULTANA (SILVER TIP)

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Omineca  
Division minière

County  
Comté

Lot  
Lot

Sec  
Sect.

Lat. 55°06'

Lat.

Township or Parish  
Canton ou paroisse

Concession or Range  
Concession ou rang

Tp.  
Ct.

Long. 127°32'20"

Long.

District  
District Cassiar

District  
District

R.  
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The showings are in the coarsely crystalline granodiorite that forms the core of Rocher Deboule mountain. The main showing consists of a shattered zone that trends about N70°E. The mineralized outcrop is 60 feet long and ranges from 10 to 20 feet in width. It consists of sheared and altered granodiorite replaced by pyrite, tetrahedrite, galena, and chalcopyrite with some quartz gangue. A chip sample across 12 feet in the eastern of the two main trenches assayed: gold, 0.01 ounce a ton; silver, 18.1 ounces a ton; copper, 1.93%; and a sample across 12 feet in the western trench assayed: gold, 0.01 ounce a ton; silver, 14.0 ounces a ton; copper, 2.20%. In the easternmost trench in the main zone the mineralized body seems to be cut off below by a shear striking N55°E and dipping 15° southeastward. Several hundred feet on strike to the east there is a zone with small veinlets containing traces of chalcopyrite and molybdenite on joint surfaces mostly oriented N30°W.

Associated minerals or products  
Minéraux ou produits associés

- Copper, gold, molybdenum.

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

This property is located at the 5,200 foot elevation at the head of the south branch of Straw (Boulder) Creek, 10¼ miles south-southeast of New Hazelton.

The Last Chance and Little Wonder claims were owned by the Brewer Brothers in 1910. Since that time, the property has repeatedly changed hands, mostly by relocation. A.R. MacDonald and J.S. Hicks, about 1920, restaked the ground with a group of 4 claims named the Sultana, Sultan, Mugwump, and Delores. The sheared zone was prospected by several open cuts. The Granby Consolidated Mining, Smelting & Power Company, Limited, optioned the claims in 1923 and put down a single diamond drill hole about 80 feet; the option was subsequently relinquished. G. Christensen of New Hazelton carried out some surface work in 1939. Louis Parent & associates, of New Hazelton, restaked the property in 1951 and geological work was reported for assessment in 1953.

The property was relocated as the Snowshoe Nos. 1-8 claims by J.W. Bryant and Bert Spisak for Canusa Mines Limited in 1956; the company put down several short diamond drill holes.

Sultana Silver Mines Limited, incorporated in November 1966, acquired the Silver Tip group of 50 claims covering the old showings. Bulldozer trenching was done on the property in 1967. Work in 1969 included a geological survey, and 100 feet of diamond drilling in 2 holes. Utah Construction & Mining Co. optioned the property in 1970 and during 1970 and 1971 carried out geological mapping, an induced potential survey over 81 line-miles covering Silver Tip 3-8 claims, and surface diamond drilling in 2 holes totalling 1,002 feet on Silver Tip 6 claim.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

- Brown, A. Sutherland; Geology of the Rocher Deboule Range; Bulletin No. 43, p. 68, British Columbia Dept. of Mines, 1960.
- Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223, Revised Edition, p. 77, Geol. Surv. of Canada, 1954.
- Reports of Minister of Mines, British Columbia: 1921, p. 100; 1922, p. 99; 1923, p. 107; 1967, p. 85.
- Leach, W.W.; Skeena River District; Summary Report 1910, p. 97, Geol. Surv. of Canada.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 85; 1970, p. 173; 1971, p. 188.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Geological Map of the Rocher Deboule Range, Sc. 1":1 mile, Fig. 2, Bulletin 43, B.C. Dept. of Mines.
- Map 971 A, Smithers-Fort St. James, B.C., (Geol.), Sc. 1":8 miles.
- Map 93 M/4 E, Skeena Crossing, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	07-68	02-69	02-75				