

PRODUCT PRODUIT	SILVER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 82 F/14 RÉGION DU S.N.R.C.	REF. AG 63 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

RICHMOND-EUREKA

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 49°57'50" Long. 117°13'

Lat. Long.

Mining Division Slocan

Division minière

District

District

Kootenay

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

Carnegie Mining Corp. Ltd.,  
25 Adelaide St. W.,  
Toronto.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are mostly quartzites, argillites and limestones which strike north to northwest and dip steeply to the northeast. They are cut by quartz-diorite porphyry dykes. The vein is the eastern extension of the Slocan Star vein and, on Richmond-Eureka ground, has a general strike of N80°E and an average dip of 45° southeast, although it occasionally turns and follows formational planes, especially near the basic dykes. It is a strongly sheared fissure zone varying in thickness from a few inches to 42 feet; the thicker parts being largely filled with crushed rocks and horses of wall rock. Two important shoots have been found. The main shoot varied from a few inches to 10 feet in thickness, had an average length of 150 feet, and extended 267 feet down the dip. Streaks of galena from 1 to 2 inches thick occurred close to the foot-wall of the lode but the main pay-streak followed the hanging wall, ranged up to 8 feet thick, and was composed largely of clean galena. Beyond the main shoot the vein split. The workings followed the most southerly of the veins and in so doing struck a second but much smaller shoot. The metallic minerals are galena, sphalerite, pyrite, and a little chalcopyrite. The gangue minerals include siderite, quartz, and some calcite.

Associated minerals or products - Lead, zinc, cadmium.  
Minéraux ou produits associés

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

The property is located on the east side of Sandon creek about 2 miles by road south of Sandon.

The Richmond-Eureka vein was staked by Bruce White in 1891 and development work on a small scale was begun in about 1895. In 1899 the Richmond claim was Crown-granted to G. Gooderham and the Eureka No. 2 to the War Eagle Consolidated Mining & Development Co. Ltd.

The period of greatest development and production was from 1908 to 1916 when it was owned and operated by the Consolidated Mining & Smelting Co. Ltd. Closed in 1916, the mine was reopened in 1925 and operated intermittently by leasers until 1928.

The Richmond claim had a small amount of development and assessment work done on it in 1940-41 by C. Lindstrom.

The property was optioned by R. Crowe-Sword of Vancouver from Cominco. In 1950 the property was optioned from him by Kootenay Belle Gold Mines. They built a sink-float plant at the base of the lowest, or No. 6 dump and reopened No. 5 & 6 levels. In 1952 they recovered ore from between No. 5 and 6 levels.

In December the property, which included the Silversmith, Slocan Star, Ruth Hope, and Slocan King claims was transferred to Carnegie Mines of B.C. Ltd. They produced about 70 tons per day all year except during March & April. The Slocan King adit, which is on the same lode but 260 feet below No. 6 adit, was connected to No. 6 adit by a raise.

In 1958 the company was merged with Violamac Mines Ltd. and the name changed to Carnegie Mining Corp. Ltd. In 1959 and 1961 leasers did some small scale mining.

The workings comprise a shaft, a series of open cuts and short adits, and four main adits connected by raises and stopes. The underground work comprises about 6,000 feet of drifts and crosscuts and over 1,000 feet of raises. The workings have explored the main lode over a horizontal distance of about 2,000 feet and a vertical distance of nearly 1,000 feet.

Leasers worked the Ruth Hope claim part time during 1962.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1896 to 1961, 40,398 tons of ore were shipped from this property. From this ore 19 ounces of gold, 803,557 ounces of silver, 5,121,101 pounds of lead, 1,677,867 pounds of zine, and 3,526 pounds of cadmium were recovered.

About 300 tons of ore were shipped from this property in 1954 but the returns were not listed separately.

During 1953 this property produced about 70 tons per day, except during March and April, but the returns were not listed separately.

During 1962, 327 tons of ore were shipped from the Ruth Hope claim. From this ore 4 ounces of gold, 6,587 ounces of silver, 57,950 pounds of lead, 66,954 pounds of zinc and 401 pounds of cadmium were recovered.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, p. 113, Geol. Surv. of Canada, 1935.

Summary Report; 1925, p. 201, Geol. Surv. of Canada.

Bull. No. 29, 1952, p. 102; Dept. of Mines, B.C.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1091 A, Nelson, (Mining Properties), Sc. 1":4 miles - accomp. Mem. 308.

Map 273 A, Sandon, (Geol.), Sc. 1:48,000 - accomp. Mem. 173.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	06-64						

BCI 82F/NW-54