

PRODUCT SILVER  
PRODUIT

PROVINCE OR PROVINCE OU  
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 82 F/14  
RÉGION DU S.N.R.C.

REF. AG 9  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

VICTOR (VIOLAMAC) MINE

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Slocan  
Division minière

County  
Comté

Lot  
Lot

Sec  
Sect.

Lat. 49°59'50"  
Lat.

District  
District

Township or Parish  
Canton ou paroisse

Concession or Range  
Concession ou rang

R.  
R.

Long. 117°16'30"  
Long.

Kootenay

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Violamac Mines Limited,  
412, 25 Adelaide St. W.,  
Toronto, Ont.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are interbedded argillites and quartzites of the Slocan series, commonly rather thinly bedded. The argillites are intruded by a swarm of porphyry sills through a stratigraphic thickness of about 200 feet. All of the rocks are cut by a system of northeasterly trending joints dipping steeply, for the most part, to the southeast, and cutting the strata approximately at right angles. The Victor lode is parallel to the joint system and dips, generally, 70 degrees to the southeast. The form of the vein over most of its length is a single fissure filling, ranging from a few inches to as much as 7 feet in thickness; its average thickness on 4 level was 1.8 feet; on 5 level 2.5 feet; and on 7 level a little more than 3 feet. Mineralization consists of sphalerite and galena, with a gangue of siderite, calcite and quartz. The vein is mineralized over a length of about 2,000 feet. Faults are abundant, but movement is thought to be small.

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

This property is located on the southwest side of Carpenter Creek. The original discovery here was made in 1921 by G.A. Petty as the result of trenching and ground sluicing on a hillside almost covered with overburden. No. 1 adit was driven 50 feet below the discovery and 4 lower adits were subsequently driven. The property was leased in 1931 by Mr. E. Doney, who worked the property in 1947. In 1948 Violamac Mines Limited purchased the property along with Mr. Doney's lease

Mining commenced early in 1949 and milling operations started in December 1950, with a 50-ton mill situated at the Victor Mine. Late in 1952 the company began shipping its ore to the mill of Western Exploration Company Limited, and continued to do so until the end of 1957. In January 1958 shipments were started to the mill of the Carnegie Mining Corp. Ltd., a subsidiary company.

The Victor Mine is opened by 8 adits, situated one below the other, through a vertical distance of about 900 feet. With the exception of the lowermost adit, No. 9, these adits are completely on the Victor property. No. 9 adit was collared in 1953, 530 feet east and 225 feet lower than No. 7 portal, on the adjoining Cinderella claim. In 1954 this level had been driven to a point 500 feet in advance of the face of No. 7, some 3,000 feet from the portal. A winze started from the No. 7 level was completed in 1955 to connect with No. 9 at a point 2,100 feet in from the No. 9 portal. The longest levels are No. 9, about 4,200 feet, and No. 7, which is over 2,200 feet, and No. 5 about 1,200 feet in length.

In 1957, due to depletion of reserves and low metal prices, production was curtailed from a rate of 70 tons a day to 25 tons. Exploration during the next 3 years was not successful in developing a sufficient tonnage of ore, and in November 1960 the last shipment was made to the Carnegie mill. Possibilities of finding further ore in the present workings are considered remote.

During 1961 mining was done above No. 7 level and above and below No. 5 level. Total development was 261 feet, including 110 feet of drifts and crosscuts and 151 feet of raising. A number of leasers operated the mine during 1962.

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

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

509274 \*

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

The first shipment of ore from the property was made in 1923. Total production to the end of 1947 was 1,424 tons, containing 132 ounces of gold, 254,419 ounces of silver, 1,298,664 pounds of lead, and 309,222 pounds of zinc. Total production to December 1960 amounted to 44,380,054 pounds of lead; 28,227,277 pounds of zinc; 174,330 pounds of cadmium; 2,079 ounces of gold and 3,426,881 ounces of silver.

During the two year period 1961-62, 4,342 tons of ore were shipped from this property. From this ore 118 ounces of gold, 87,256 ounces of silver, 875,420 pounds of lead, 754,839 pounds of zinc and 5,055 pounds of cadmium were recovered.

REFERENCES/BIBLIOGRAPHIE

Ambrose, J.W.; Violamac Mine, Slocan District; Structural Geology of Canadian Ore Deposits, Vol. 2, pp. 88-94; Can. Inst. Min. Met., 1957.

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 153-155, Geol. Surv. of Canada, 1935.

Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bull. No. 29, pp. 117-120, Dept. of Mines, B.C., 1952.

Little, H.W.; Nelson Map-Area, West Half, British Columbia; Mem. 308, Geol. Surv. of Canada, 1960.

Mineral Policy Sector; Corporation Files: "Violamac Mines (B.C.) Limited"; "Violamac Mines Limited".

Annual Reports, Dept. of Mines, B.C.: 1921-1947; 1949, p. 187; 1950, p. 146; 1951, p. 173; 1952, p. 176; 1953, p. 140; 1954, p. 140; 1955, p. 62; 1956, p. 95; 1957, p. 53; 1958, p. 46; 1959, p. 68.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 273 A, Sandon, (Geol.), Sc. 1":4,000'.

Areal Geology of the Sandon Area, Sc. 1":800' - Fig. 2 - accomp. Bull. 29.

Map 1090 A, Nelson, (Geol.), Sc. 1":4 miles - accomp. Mem. 308.

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

Mines Branch, Ottawa; Mineral Dressing and Process Metallurgy Division; Jigging and Flotation Tests on a Lead-Zinc Ore from Violamac Mines Limited, New Denver, British Columbia; Investigation No. MD 2725; 1950.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	03-61						