

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

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

REF. AG 12
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

LONE BACHELOR

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°59'50" Long. 117°16'30"
Lat. Long.

Mining Division Slocan
Division minière

District Kootenay
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec. Tp. R.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Lone Bachelor Mines Limited,
416, 25 Adelaide St. W.,
Toronto.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property is underlain by massive and slaty, argillaceous, quartzitic, and limy sediments of the Slocan series, which have been intruded by thin sills and dykes of porphyry and a few of lamprophyre. These rocks are sharply folded about an axis that strikes northwest and plunges 10 to 20 degrees in the same direction. The Bachelor vein lies in a tensional fault that formed during and as a result of folding, and is generally perpendicular to the fold axis. Three veins of the same type were found in driving No. 4 adit. The ore consists of massive sulphides, chiefly galena, sphalerite, minor pyrite and chalcopyrite, and variable amounts of tetrahedrite, in a gangue consisting chiefly of calcite.

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

The Lone Bachelor adjoins the Victor and is located on the southwest flank of Carpenter Creek Valley, at an elevation of about 4,500 feet.

The Lone Bachelor claim was owned in 1901 by G.A. Petty, and in later years was included in the Victor group. It was worked under lease by several individuals from 1905 to 1914 and in 1914, 1917 and 1923. Nothing further was done and in 1948 the property, consisting of the Lone Bachelor, Archie, Dacy, Tommy and Ruth claims, was acquired by Violamac Mines Limited. In 1952 Lone Bachelor Mines Limited was formed to develop the property.

The old workings consisted of 4 adits, Nos. 1 to 3, and a higher "A" adit, which developed the Lone Bachelor vein through a vertical distance of 223 feet and a horizontal distance of about 1,000 feet. The levels were interconnected by raises, and the workings comprised about 3,000 feet of drifts and crosscuts.

A new adit, No. 4, begun in 1951 at an elevation of 4,200 feet was, by the end of 1953, driven 950 feet. Four veins, Nos. 1 to 4 were intersected in the adit at distances of 380, 465, 525 and 765 feet respectively from the portal. Some drifting was done east and west of No. 2 vein and west on No. 4. Also in 1953 some underground diamond drilling was carried out, a raise driven to connect No. 4 to the old No. 3 level, and a sublevel established 75 feet above No. 4 level. In 1954 this sublevel was extended and No. 3 adit cleaned out. During 1955 the sublevel was extended a further 200 feet along a narrow vein containing small lenses of galena, to a full length of 650 feet. The property was only worked to a small extent during 1956 and 1957, and during 1959 was operated under lease.

Associated minerals or products - Lead, zinc, gold.
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

509277 *

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Total production from 1901 to 1923 amounted to 1,068 tons, containing an average of 110 ounces of silver to the ton, 49 per cent lead, and some gold.

Between 1951 and November 1954, 513 tons of development ore was taken out and sold to Violamac Mines (B.C.) Limited for a gross of \$12,993.00.

In 1957, 42 tons of ore, containing 4,201 ounces of silver, 58,826 pounds of lead, and 6,527 pounds of zinc, was produced. The last recorded production was in 1959 when lessees shipped 18 tons containing 1,993 ounces of silver, 26,069 pounds of lead and 2,237 pounds of zinc.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 68, 69, Geol. Surv. of Canada, 1935.

Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bull. No. 29, p. 85; 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 Limited"; "Lone Bachelor Mines Limited".

Annual Reports, Dept. of Mines, B.C.: 1901, p. 1225; 1905, p. 161; 1906, p. 249; 1907, p. 214; 1908, pp. 99, 247; 1910, p. 243; 1912, pp. 149, 322; 1914, pp. 288, 510; 1917, p. 448; 1923, p. 228; 1952, p. 177; 1953, p. 140; 1954, p. 140; 1955, p. 63; 1956, p. 95; 1957, p. 53; 1959, p. 69.

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.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	08-61						