

**NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ**

WONDERFUL

**OBJECT LOCATED
OBJET LOCALISÉ**

**UNCERTAINTY
FACTEUR D'INCERTITUDE**

Mining Division <i>Division minière</i>	Slocan	District <i>District</i>
County <i>Comté</i>		Township or Parish <i>Canton ou paroisse</i>
Lot		Concession or Range <i>Concession ou rang</i>
Sec <i>Sect.</i>	Tp. <i>Ct.</i>	R. <i>R.</i>

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Silver Ridge Mining Company Limited,
373 Baker St.,
Nelson, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The Wonderful group including Wonderful, Lookout No. 2, Columbus and Miller Creek Fraction Crown-granted claims is located on the lower southwest slopes of Carpenter Creek valley 1.5 miles from Sandon. The rocks underlying the property are chiefly sediments of the Slocan series comprising slates and argillites. These have a general strike of N15°W. The strata are thought to lie on the west limb of a syncline, and are conspicuously jointed along a north 60° east direction, with high dips to the southeast. The principal ore shoots were found in the central and western mine workings, in the main lode, where the mineralization varied up to 8 or more feet and consisted of brecciated fragments of galena, sphalerite and country rock, in a gangue, largely of quartz but in places containing considerable siderite.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Wonderful property 1 mile west of Sandon, was among the earliest locations in the area. Discovery of galena float led to ground-sluicing operations in 1894 and the uncovering of a train of boulders of almost massive galena. This operation came to an end in 1896 after about 400 tons of ore had been recovered.

Early underground development was unsatisfactory. The first workings were exploratory and apparently no definite lode was encountered. In 1915 the property was acquired by Clarence Cunningham and later, 1924, by Cunningham Mines Limited, which was responsible for most of the development on the property.

The Wonderful mine was opened by 2 levels, the "A" elevation 4,208 feet, and the No. 1, elevation 4,107 feet. The productive level "A" is connected by a raise with 6 interior levels at 100, 140, 200, 242, 295 and 417 feet above the adit level. Several small sub-levels were also established. These workings are now inaccessible. In 1948 the property was acquired by Silver Ridge Mining Company.

In 1948-49 an adit known as the Pearsons adit, located approximately 195 feet below "A" level and 94 feet below No. 1 level, was driven on a lode uncovered by stripping on the projection of the drift on No. 1 level. The lode was intersected 100 feet from the portal, and was followed to the west for 580 feet; a section of drift 140 feet long was detoured into the footwall to avoid bad ground. Where first encountered the lode contained some sphalerite and galena. In 1951 a nearly vertical fissure was encountered 35 feet in the footwall at a point 260 feet west of the crosscut. In the first 100 feet of drift this fissure is mineralized erratically and contains as much as 3 feet of sphalerite, as well as local masses of galena.

The Lookout adit was started in 1946 at an elevation of 4,264 feet, on the Lookout No. 2 claim. This adit was begun as a general exploratory tunnel, and was driven as a crosscut 2,252 feet at S78°W. At a point 1,200 feet from the portal a branch extends for 2,285 feet bearing about N24°W; the inner 300 feet of this branch is deflected nearly 200 degrees westerly. A zone consisting of 2 sub-parallel fissures 20 feet apart containing calcite and siderite was encountered about 1,625 feet northwest of the main crosscut.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Between 1896 and 1936, the Wonderful is credited with a production of 31,273 tons, with a metal content of 221 ounces of gold, 415,156 ounces of silver, 3,530,291 pounds of lead, and 2,559,629 pounds of zinc.

Small shipments of ore were made in 1956 (10 tons) and 1959 (11 tons).

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, p. 163, Geol. Surv. of Canada, 1935.

Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bull. 29, pp. 122-126, 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"; "Silver Ridge Mining Co. Ltd."

Annual Reports, Dept. of Mines, B.C.: 1892-1936; 1948, p. 144; 1949, p. 188; 1950, p. 145; 1951, p. 172; 1952, p. 176; 1953, p. 140; 1956, p. 95; 1958, p. 47; 1959, p. 69.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy, 1925, Rept. 670, pp. 68-71 (No. 237).

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.

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

An old adit on the Early Bird claim at an elevation of about 3,700 feet is entirely in quartz diorite. Workings here total about 400 ft.

A mineralized lode discovered in No. 2 ("A" adit?) was explored in 1952 by a new, No. 3 adit and a raise driven to connect the 2 levels. In the same year No. 4 adit was started and continued in 1953. About 1,000 feet from the portal a lode was intersected in the approximate projected position of the lode intersected in No. 3 adit. In the period from 1953 to 1956 the property was idle except for exploratory work on a small scale. In 1956 a narrow vein was exposed by stripping, a few hundred feet from the Pearson adit, and a new adit started on the showing. In 1958 this adit had reached a total length of 25 feet. In December of that year, an agreement was entered into with Violamac Mines Limited for the development of the Silver Ridge properties. The only work recorded on this property since was the extending of the adit started in 1956, for an additional 56 feet.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	08-61	01-74					

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