

PRODUCT SILVER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

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

REF. AG 13
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ELKHORN

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Slocan
Division minière

County
Comté

Lot
Lot

Sec.
Sect.

Lat. 49°59'
Lat.

District
District

Township or Parish
Canton ou paroisse

Concession or Range
Concession ou rang

Tp.
Ct.

R.
R.

Long. 117°15'
Long.

Kootenay

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

1950: N. Tattrie

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are sediments of the Slocan series, intersected by one large and smaller dykes and sill-like bodies of quartz porphyry. Work in No. 2 adit level exposed a strong zone of shearing along the contact of a porphyry sill with argillaceous sediments. The zone was followed for about 200 feet and several shoots carrying encouraging mineralization encountered. The productive parts of the shear zone occurred where it was intersected by mineralized cross-fissures.

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

The Elkhorn claim in 1952 was held under lease from the Crown, by Neil Tattrie, New Denver, B.C. The workings are all caved, and the early history is incomplete. First recorded work was in 1895, when a shaft was sunk to a depth of 45 feet, and a tunnel driven 290 feet. In 1907 the property was worked by George Gormley and associates who owned the claim for many years.

Workings, according to Cairnes (1935, pp. 39, 40), consist of 5 adits in addition to a shallow shaft. These adits are referred to by Cairnes, from uppermost to lowest, as Nos. A, B, 1, 2, and 3 respectively. The adits are spaced over a vertical distance of over 200 feet and altogether include about 2,000 feet of lineal work. Most of the work was done on adits Nos. 2 and 3. In No. 2 adit a strong shear zone was followed for over 200 feet and raises and stopes connect with surface workings 70 feet above. The lowest, or No. 3 adit, is a cross-cut for about 460 feet to where it is reported to have intersected a fissure, perhaps corresponding to one of the mineralized cross-fissures encountered in the upper workings. The fissure at this depth carries abundant pyrite and considerable sphalerite. In the upper levels the principal ore mineral was galena. The workings in the other 3 adits are not described by either Cairnes (1935) or Hedley (1952).

In 1950 the Elkhorn claim was held under option by Kootenay Belle Gold Mines Limited. During this time the portal of No. 3 adit was reopened and the adit retimbered for about 50 feet before work was abandoned. Some 3,000 tons from No. 2 dump were trucked to the Whitewater mill at Retallack in 1951, but all work ceased in September, when it was found that excessive soluble silica made the zinc concentrate unacceptable at the Trail smelter.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A production of 162 tons is recorded for the seven years in the period from 1907 to 1936, that shipments were made. The ore had a gross content of 1 ounce of gold, 5,440 ounces of silver, 111,468 pounds of lead, and 40,099 pounds of zinc.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 39, 40; Geol. Surv. of Canada, 1935.

Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bull. 29, p. 78, Dept. of Mines, B.C., 1952.

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

Annual Reports, Dept. of Mines, B.C.: 1895, p. 678; 1905, p. 161; 1907, pp. 99, 214; 1908, pp. 99, 217; 1916, p. 516; 1926, p. 251; 1930, p. 230; 1931, p. 142; 1936, p. E 53; 1937, pp. A 36, D 31; 1939, p. A 36; 1950, p. 146; 1951, p. 172.

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	09-61						

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