

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

IVANHOE and ELGIN

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°57'30"
Lat.

Long. 117°14'30"
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

Minnesota Silver Company, Limited.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are chiefly sediments of the Slocan series, cut by narrow dykes, mostly of feldspar and quartz porphyry. The general structure of the sediments along the summit of the ridge in the vicinity of the claims is, apparently, synclinal. For several hundred feet below the summit the strata are interbedded with one another and include limy, argillaceous, and quartzitic members. Below this zone lies a considerable thickness of more massive, grey, quartzitic argillites, which are exposed near the portal of NO. 8 adit. The general structure is broken by numerous faults and shear zones, of which that traversed by the Ivanhoe lode is an example. This lode is a strongly sheared and fissured zone 20 feet or more in width. The productive section had a maximum length of about 750 feet on No. 4 zone, and was stoped over a vertical distance of 325 feet. Principal ore minerals are argentiferous galena and sphalerite occurring in veins up to 5 feet in width.

Associated minerals or products
Minéraux ou produits associés

- Lead, zinc.

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

This property, comprising the Ivanhoe and Elgin Crown-granted claims, was owned in 1952 by the Minnesota Silver Company, Limited, who have owned the claim since 1894.

The property was located about 1893 and was worked fairly steadily up to 1905, after which it lay idle until 1913 when operations were resumed and continued until 1921. Since that time little if any work has been done within the property limits. In 1900 a 100-ton mill was erected at Sandon. This was connected to the mine workings by an aerial tramway 8,500 feet long. The mill was burned in 1915, and subsequently rebuilt by the Rosebery-Surprise Mining Company who acquired an option on the Ivanhoe property in 1919. This option was allowed to lapse the following year and in 1921 Silversmith Mines, Limited, took over the mill and remodelled it.

The mine was developed by 8 levels over a vertical range of about 600 feet. Nos. 1, 2, 4 and 8 levels are adits. Ore was stoped from No. 6 to 40 feet above No. 1 level, a vertical distance of 325 feet, but most of the stoping was done between levels Nos. 2 and 4. No. 2 level, driven on parts of a large and complex lode was partly accessible in 1948. No. 8 adit reaches the Ivanhoe lode at 1,310 feet and No. 4 adit reaches it at about 500 feet from the portal. The longest levels are Nos. 4 and 8. The former extends 735 feet east and 2,560 feet west and southwest of the crosscut, including in the latter direction an extension of 1,100 feet into the adjoining property of the Canadian group. No. 8 level drifts about 500 feet west of the crosscut and 1,940 feet east and also passes into Canadian ground for 810 feet (1927). These levels are only partially accessible and the other levels are short and for the most part inaccessible.

Minnesota Silver Co. 1914

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

The first recorded production from the property was in 1895 when shipments totalling 150 tons, carrying 100 ounces of silver to the ton and 60% lead, were made. Total production from 1895 to 1935 amounted to 44,416 tons, containing 456,295 ounces of silver, 5,211,395 pounds of lead, and 713,689 pounds of zinc.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 41-43, Geol. Surv. of Canada, 1935.

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

Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bull. No. 29, pp. 82-84, Dept. of Mines, B.C., 1952.

Annual Reports, Dept. of Mines, B.C.: 1895-1935.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 272 A, Slocan Sheet, (Geol.), Sc. 1":1 mile.

Areal Geology of the Sandon Area, Sc. 1":800 feet - 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

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Date	08-61						

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