

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

HIGHLAND

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Division minière	Slocan	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.	

Lat. 49°45'30"
Lat.

Long. 116°56'30"
Long.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

1956: The Consolidated Mining & Smelting Co. Ltd.,
Trail, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rocks are fine grained flows, volcanic breccias and tuffs that have been altered to platy amphibole schists. Interbedded sediments consist of micaceous quartzite and mica schist. The beds dip west at about 40°. The Highland vein belongs to a local system of short fissure veins that cross the bedding in a N.W. direction and dip about 75°SW. Two dykes occur on this claim, one parallels the bedding, the other follows the fissure vein. Ore shoots in the Highland vein are confined to the Kaslo greenstone close to its contact with the sediments. The vein filling is quartz which carries varying amounts of galena, silver and sphalerite. Small percentages of pyrite, pyrrhotite, chalcopyrite, ankerite and fluorite also occur within the vein.

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

The Highland claim, Crown granted to J.C. Rykert in 1891, is located about a mile west of Kootenay Lake and 1/5 of a mile north of Cedar Creek, at about the 3,000' elevation. A main haulage tunnel was driven on the vein for about 680 feet. A second tunnel, 100 feet above the first, was driven for 90 feet. A raise was driven on an ore shoot connecting the two tunnels.

The Highland Mining Co. Ltd. of London, England, took over the claim in 1900 and worked it through 1904. In 1905 the property was leased to P. Burns and Co. The Highland-United Co. secured a lease on the mine in 1909 and operated it for part of the year. In 1910 the mine was reopened by the Kootenay Silver Lead Mines Ltd. of Vancouver and their operations continued through 1912.

The Consolidated Mining & Smelting Co. Ltd. acquired the property in 1914 and operated it more or less continuously for the next 13 years. Development work in 1919 included 3,276 feet of diamond drilling. The mine closed in 1927 and remained idle until 1940 when leasers became interested in working it. The tailings dump was dredged from Kootenay Lake and shipped to the mill. Other groups of leasers removed ore from the old mine workings in 1950-52.

In 1956 Cominco did 1,968 feet of diamond drilling to check on electromagnetic results. The workings at the present time consist of 5 tunnels along the strike of the vein, the upper three approximately 100 feet apart and two lower about 200 feet apart, thus giving a depth of 700 feet below the outcrop. The total length of the workings is approximately 14,000 feet, part of this being on the adjoining Josephine claim.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1890 to 1954, 98,313 tons of ore were shipped from this claim. From this ore 2 ounces of gold, 338,937 ounces of silver, 20,626,864 pounds of lead, 841,535 pounds of zinc, and 1,210 pounds of cadmium were recovered.

REFERENCES/BIBLIOGRAPHIE

Schofield, S.J.; Geology and Ore Deposits of Ainsworth Mining Camp, British Columbia; Mem. 117, pp. 37-40, 34, Geol. Surv. of Canada, 1920.

Rice, H.M.A.; Geology and Mineral Deposits at Ainsworth, British Columbia; Paper 44-13, Geol. Surv. of Canada.

Rice, H.M.A.; Nelson Map-Area, East Half, British Columbia; Mem. 228, Geol. Surv. of Canada, 1941.

Annual Reports, Dept. of Mines, B.C.: 1895, p. 681; 1896, p. 92; 1900, p. 848; 1901, p. 1029; 1904, pp. 144, 199; 1909, p. 105; 1910, p. 96; 1953, p. 133; 1954, pp. 50, 133; 1956, p. 91.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1742, Ainsworth, (Geol.), Sc. 1:2,400 - accomp. Mem. 117.
 Publication No. 1784, Mine plan - accomp. Mem. 117.
 Map 603 A, Nelson, (Geol.), Sc. 1":4 miles - accomp. Mem. 228.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	06-62						

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