

PRODUCT SILVER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 E/6
RÉGION DU S.N.R.C.

REF. AG 4
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

HIGHLAND CHIEF

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°26'15" Long. 119°06'

Lat. Long.

Mining Division Greenwood
Division minière

District Similkameen
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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The formation consists of the Wallace group of metamorphosed sedimentary and volcanic rocks intruded by quartz-diorite of the Westkettle batholith. The quartz-diorite underlies the claim at depths up to about 300 feet. Mineralization found in the Wallace group of rocks occurs in low-grade pipe like orebodies and in stringers measuring from 2 to 4 inches in width containing some high-grade ore. The original surface showing consisted of a quartz vein about one foot wide containing galena, zinc blende, pyrite, arsenopyrite, chalcopyrite, and native silver.

Associated minerals or products - Lead, zinc.
Minéraux ou produits associés

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

This claim lies on the west slope of Wallace Mountain and adjoins the Highland Bell property on the northeast.

The claim was Crown-granted to Fayette Harris in 1903 and was prospected by open cuts and a short tunnel. Nothing more was done until 1920 when J. Maloney acquired the claim, uncovered a small lead and drove a short tunnel. During 1921 I. Hallet, apparently holding an option on the property, extended the tunnel to a length of 50 feet on the vein. The vein was found to be faulted near the face but the lead was found again to the north of the fault.

In 1923 M. Smith purchased the claim from J. Maloney. A syndicate was formed and during the next two years the quartz-diorite Wallace rock contact was explored by numerous open cuts and short tunnels. In 1926 the syndicate formed the Highland Chief Mining Co., however operations were suspended later in the year.

During the period 1938-41 the property was leased to a syndicate headed by A. Bell. Development work done during this period consisted of 260 feet of surface trenching, 264 feet of drift, 527 feet of crosscut, and 63 feet of raising.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1922 to 1941, 14 tons of ore were shipped from this property. From this ore 2,323 ounces of silver, 1,842 pounds of lead, and 1,757 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Dept. of Mines, B.C.: 1920, p. 155; 1921, p. 185; 1925, p. 207; 1926, p. 208; 1934, p. D 9; 1938, p. D 40; 1939, p. 94; 1940, p. 79.

Reinecke, L.; Ore Deposits of the Beaverdell Map-Area; Mem. 79, pp. 86-124, Geol. Surv. of Canada, 1915.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 539 A, Kettle River, (Mining Localities), Sc. 1":4 miles.

Map 15-1961, Kettle River, (West Half), (Geol.), Sc. 1":4 miles.

Map 36 A, Beaverdell, B.C., (Topo.), Sc. 1:50,000.

Plan of Wallace Mt. claims, Sc. 1":1,500' - in Mineral Policy Sector, Corporation File, for Highland Bell Mines Ltd.

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
Date

12-64