

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

QUEEN BESS

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.  
Sec.

Tp.  
Ct.

R.  
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

1952: Bess Mines Limited,  
555 Burrard Street,  
Vancouver, B.C.

NOTE: This company was formed jointly by Bralorne Mines Limited and Kelowna Exploration Company.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are chiefly Slocan sediments comprising blocky argillites, quartzites and slates. Structurally, the mine is situated in a recumbent fold, open to the southwest, immediately below the main panel of overturned strata that flanks Silver Ridge. The fold is broken by tangential faulting. The combination of faults of this type with crosscutting faults in the mine area, where there is generally poor outcrop makes it difficult to determine the amount of individual movement and the equivalence of strata. These were at one time considered to be 3 lodes on the Queen Bess property, known as the "A", "B", and "C" veins. It is now known that the "B" vein is a faulted segment of the "A" or Queen Bess lode, which has been developed by nine main levels over a vertical range of nearly 700 feet. The rich Cunningham shoot was encountered on No. 5 level. It was possibly 300 feet long, extended upward for a vertical distance of 300 feet, and was up to 11 feet wide.

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

The Queen Bess workings are on the steep southwestern slope of a prominent ridge that flanks Howson Creek at elevations between 4,900 and 5,500 feet. The property in 1952 was under lease and bond to Bess Mines Limited, which was formed to develop the Queen Bess, Idaho and Alamo properties.

The Queen Bess was located in 1892, and the first shipment of ore made in 1893. It was acquired in 1897 by the Queen Bess Proprierty Company, of England, who controlled it until 1903, when it was taken over by the Bank of Montreal. On January 1, 1904, the property again changed hands to Queen Dominion Mining Company, Limited. Thereafter little work was done on it for a number of years, until in 1916 it was acquired on lease and bond by Clarence Cunningham, who after driving about 20 feet on No. 5 level, encountered a rich orebody which subsequently yielded 11,680 tons of ore, giving a net smelter return of \$1,250,000. Lessees operated the property intermittently between 1921 and 1937. In 1928 the Queen Bess, Idaho, and Alamo properties were combined as Consolidated Queen Bess Mines Limited and finally came into the hands of H.H. Hemsworth and associates, of Vancouver, in 1948. In the same year Alamo Silver Lead Mining Company Limited was formed in order to obtain an option on the combined properties. This option was dropped and in 1949 Bess Mines Limited was formed as an operating company to work under the direction of Kelowna Exploration.

Workings on the Queen Bess lode consist of 6 main adits, Nos. 1 to 5 now caved, and No. 10, which in 1950 was accessible. A raise from No. 10 level leads up to No. 5, but that level is caved. In 1950 levels 9, 7 and 6 were accessible from the raise, but the upper 2 were in poor condition. Two short adits Nos. 6 and 7, now caved, did not encounter the lode. "B" vein adit was driven on a fault segment of the main lode. Another adit driven from near the lower road, on the supposed course of the "B" vein is in the hanging wall of the lode. Only the lowest of the "C" vein adits, about 400 feet northwest of the main lode, is accessible.

The ore from the main lode consists of galena, sphalerite, pyrite, chalcocite, ruby and native silver and a little chalcopyrite, in a gangue composed principally of quartz.

The last work recorded, was in 1957, when Bess Mines Limited carried out some underground development.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

The first shipment from the Queen Bess property, made in 1893, consisted of 40 tons carrying 96 ounces of silver to the ton, and 74 per cent lead.

Total production from 1893 to 1937 amounted to 18,247 tons containing 27 ounces of gold, 1,377,873 ounces of silver, 18,809,857 pounds of lead, and 35,727 pounds of zinc. Zinc was recovered from only a small tonnage of ore shipped subsequent to 1924.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 100-103, Geol. Surv. of Canada, 1935.

Hedley, M.S.; Geology and Ore Deposits of the Sandon Area, Slocan Mining Camp, British Columbia; Bull. No. 29, pp. 98-102, Dept. of Mines, B.C., 1952.

Annual Reports, Dept. of Mines, B.C.: 1892-1904; 1916; 1917; 1923-1938; 1948, p. 145; 1951, p. 173.

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

Mineral Policy Sector; Resource File: MR-AG-301.00 (B.C.).

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 273 A, Sandon, (Geol.), Sc. 1":1,400'.

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	08-61						