

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

MOUNTAIN CHIEF

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.	

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property are composed of argillaceous and calcareous sediments striking N40°W and dipping about 45° southwest. These are intruded by large porphyry dykes and by a granitoid stock which occupies a considerable area north of Carpenter Creek. Mineralization consisting of pockets and disseminations of argentiferous galena and sphalerite with some chalcocite is found in quartz veins on the property. According to Cairnes (1935, p. 15), the sphalerite from the Mountain Chief claim invariably carried good silver values.

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

The Apex claim, and the Mountain Chief group, consisting of the Mammoth, Mountain Chief and Egypt claims are situated on the south side of Carpenter Creek, near the New Denver-Sandon road.

On the Apex claim work was confined to a quartz vein striking N70°W and dipping about 40° south. The vein is reached at 485 feet from the portal of a crosscut 565 feet long driven southerly from above the New Denver road. The vein has been worked on this and 1 other level 85 feet vertically above the crosscut adit, and shows a maximum width of from 2 to 3 feet.

The Mountain Chief group was worked between 1892 and 1897, operations were then suspended for a number of years perhaps due to the marked increase in the zinc content of the ore with depth. In 1921 and following years, development was resumed. In 1925 a jig was erected and operated chiefly for the recovery of sphalerite from ore still remaining in the old stopes and dumps. Development work includes 9 adits, driven mostly on the Mountain Chief claim near its northwestern boundary and varying from 100 to 500 feet in length. The strike of the vein lode varies from N40°E in the lower workings to N65°E on the No. 3 level and N50°E at the surface. Principal production was from the upper 3 levels where ore was stoped to the surface. The ore is said to have been composed chiefly of galena with sphalerite increasing in amount with depth. In the lower levels the vein varies from a few inches to 4 feet in width and contains bands of sphalerite up to 8 or 10 inches wide.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Twenty-four tons of silver ore was shipped from the Apex claim in 1924. Previous shipments contained some lead, but in small amounts as compared to the silver content.

Shipments from the Mountain Chief group between 1892 and 1897 amounted to 1,260 tons of high-grade lead-zinc ore and several carloads of zincy ore. In the period 1921 to 1924 an additional 114 tons of ore containing an average of about 70 ounces of silver per ton, 11% lead and 15% zinc was shipped. In 1937, J. Cechelero mined and shipped 47 tons of ore which yielded 3,365 ounces of silver, 11,870 pounds of lead, and 23,280 pounds of zinc. In 1952 Cechelero shipped a further 52 tons of ore. The content of this ore is not stated.

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 14, 15, Geol. Surv. of Canada, 1935.

Annual Reports, Dept. of Mines, B.C.: 1921, p. 136; 1929, pp. 316, 317; 1937, p. E 55; 1943, p. A 23.

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

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1090 A, Nelson, (Geol.), Sc. 1":4 miles - accomp. Mem. 308.

Map 1091, Nelson, (Mining Properties), Sc. 1":4 miles - accomp. Mem. 308.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	08-61						

BCI 82F/NW-74.