

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ LIGHTENING PEAK (EQUINOX) (WEST FORK)

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 49°53' Long. 118°29'30"

Mining Division Vernon  
Division minière

District  
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 rocks exposed on the property are largely greenstone of the Palaeozoic Anarchist group, which, in the vicinity of the workings, are much sheared and fractured, and intruded by quartz porphyry and granodiorite dykes. The contact with granitic rocks of the Mesozoic Valhalla Intrusions passes through the property. The main vein is a sheared and fissured zone of uncertain width that trends east-west and dips vertical or steeply north or south. The vein is displaced by a number of northerly striking faults and the mineralization varies from segment to segment along the vein. In general, the vein consists of from one to several feet of sheared rock within which quartz forms narrow veins and lenses or occurs intimately distributed through, and partly replacing the wall-rocks. A little calcite is associated with the quartz. The ore minerals are chiefly galena and sphalerite, with lesser amounts of pyrite, chalcopyrite, ruby silver, argentite, and native silver.

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

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

This property is located at the 5,500 foot elevation on the west fork of Rampalo Creek, 1½ miles northeast of Lightning Peak and about 40 miles east of Kelowna. The Lightning Peak group consists of 4 Crown-granted claims, the Thunder Hill, First Chance, West Fork, and Jim Hill (Lots 3413-3416, respectively). During the period 1917 to 1920 the property was referred to as the Equinox group.

The main vein on this property was discovered and 7 claims staked in 1901 or 1902 by F. Fritz and C. Harrigan. In about 1903 they sold the property to Messrs. Hamilton, Maas, and Diether of St. Paul, Minnesota; the new owners gave the name Lightning Peak to the camp. Four of the claims were Crown-granted in May 1905, but shortly afterwards operations ceased.

In 1906 W.A. Calder & associates of Edgewood leased the property and during 1907-08 shipped a small amount of high-grade ore from the West Fork claim. No further work was reported until the period 1917 through 1920 when Mr. Calder again carried on intermittent exploration work. In 1921 the property was leased by W. Williams, of Edgewood, and development work was continued into 1924. In 1925 the property was again leased by W.A. Calder. Lightning Peak Mining Company, Limited, was incorporated in June 1927 with Mr. Calder as General Manager; the company charter was surrendered in 1932. Intermittent operations were carried on by Mr. Calder until about 1937. Development work to 1930 included a shaft 95 feet deep and 4 adits which explored the main vein over a length of nearly 1,000 feet and a vertical range of about 200 feet.

No further activity was reported until 1968 when the Great Horn Mining Syndicate, a private company incorporated in Delaware, acquired the Thunder Hill, First Chance, West Fork and Jim Hill Crown-grants, the nearby Waterloo property, and the Peak 1-200 and Day 1-4 claims. Work during 1968-69 included geological and geochemical surveys, surface and underground drilling, and mapping in the Lightning Peak adit.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1903 to 1936, inclusive, 152 tons of ore were shipped from this property. From this ore 3 ounces of gold, 13,984 ounces of silver, 79,281 pounds of lead, and 7,409 pounds of zinc were recovered.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 6-1957, Kettle River, (Geol.), Sc. 1":4 miles.  
Map 82 E/16 W, Edgewood, (Topo.), Sc. 1:50,000.  
Map 82 E/15 E, Damfino Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	11-70						

REFERENCES/BIBLIOGRAPHIE

Cairnes, C.E.; Lightning Peak Area, Osoyoos District, B.C.; Summary Report 1930, Part A, pp. 110-114, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia: 1904, p. 224; 1917, p. 199; 1918, pp. 203, 221; 1919, pp. 163, 174; 1921, p. 181; 1922, p. 171; 1923, p. 182; 1925, p. 196; 1927, p. 227; 1929, p. 256; 1930, p. 226; 1933, p. 151; 1934, p. D4; 1935, p. D15; 1936, p. D57; 1968, p. 224; 1969, p. 300.

Mineral Policy Sector; Corporation Files: "Lightening Peak Mining Company, Limited".