

PRODUCT PRODUIT	GOLD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 82 F/4 RÉGION DU S.N.R.C.	REF. AU 6 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

CENTRE STAR, WAR EAGLE, LE ROI

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 49°04'50" Long. 117°48'20"  
Lat. Long.

Mining Division Trail Creek District  
Division minière District

County Comté Township or Parish  
Comté Canton ou paroisse

Lot Lot Concession or Range  
Lot Concession ou rang

Sec. Sect. Tp. Ct. R. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Cominco Ltd.,  
630 Dorchester Blvd. W.,  
Montreal, Quebec.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The formation consists of augite porphyrite of the Ross-land formation cut by granodiorite and diorite porphyrite of the Nelson intrusives. Sulphide replacements occur along fissures or intrusive contacts. The veins can be divided into two definite systems: the Centre Star-Le Roi, with a general east-west trend, and the War Eagle system with a northwest-southeast trend. The ore shoots occur in most cases along steeply dipping contacts. The main ore producing contacts are between diorite porphyrite and augite porphyrite, and also between monzonite and the porphyrites. Mineralization consists of pyrrhotite, pyrite, and chalcopyrite. The gangue is altered country rock with little or no quartz and carbonate.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Centre Star, War Eagle and Le Roi claims, located at the northwestern edge of the city of Rossland, formed the nucleus of a property that was subsequently expanded by the Consolidated Mining and Smelting Company of Canada Limited (Cominco) to include some 30 claims and fractions. The three claims were located in 1890 by Messrs. Bourjouis and Morris, the Le Roi claim being recorded in the name of E.S. Topping.

Early development work on the Centre Star claim was reportedly carried out by the Centre Star Gold Mining and Smelting Company, and from about 1902 by the Centre Star Mining Company, Limited. The War Eagle and Iron Mask claims were reportedly developed by the War Eagle Gold Mining Company, and from about 1897 by the War Eagle Consolidated Mining & Development Company, Limited. The Centre Star, War Eagle and Iron Mask mines were acquired by Cominco in 1906.

The Le Roi claim was reportedly developed by a Spokane company, the Le Roi Mining & Smelting Co., from 1891. The Le Roi Mining Company, Limited acquired the Le Roi and Black Bear claims in 1898 and the mine operated continuously until it closed in September 1910. The property was acquired by Cominco in 1911.

Cominco purchased the adjoining Josie property in 1923. By 1928 when the company closed the mine the original workings had all been connected underground to form one large mine with a total of about 60 miles of underground workings; mining operations were carried on to a depth of about 1,650 feet.

Groups of lessees, sometimes over 30 in number, extracted remnants of ore from the old surface and underground workings from 1932 until the company closed down the operation in June 1942; Cominco carried out a program of geological mapping during 1940-1941.

In May 1967 Hunstone Ventures Ltd. obtained an option from Cominco on 72 Crown-granted claims, including the mine workings of the Le Roi, Centre Star, War Eagle, Iron Mask, Josie, Kootenay-Columbia, Nickel Plate, and Crown Point claims. By an agreement of August 1, 1967, Hunstone assigned the agreement to Falaise Lake Mines Ltd. During 1967-1968 Falaise carried out 10,480 feet of surface diamond drilling in 41 holes in the hanging wall of the Le Roi, Centre Star, and War Eagle veins, and magnetometer and electromagnetic surveys over other parts of the property. Based on this drilling, together with the

p.t.o. ....

Associated minerals or products - Silver, copper.  
Minéraux ou produits associés

## HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

The following figures include production from the Centre Star, War Eagle, Iron Mask, Virginia, Mabel, and Iron Horse claims from 1897-1917 and from the 'Rossland Properties', a grouping of the above claims, during the period 1918-1942. The figures also include production from the Josie property from 1922-1942. A total of 3,343,945 tons of ore were shipped. From this ore 1,613,479 ounces of gold, 1,637,764 ounces of silver, and 54,544,895 pounds of copper were recovered.

## REFERENCES/BIBLIOGRAPHIE

- Drysdale, C.W.; Geology & Ore Deposits of Rossland, B.C.; Memoir 77, Geol. Surv. of Canada, 1915.
- Bruce, E.L.; Geology and Ore Deposits of Rossland, Annual Report, Dept. of Mines, B.C., 1916, pp. 214-244.
- Gilbert, G.; Rossland Camp; Structural Geology of Canadian Ore Deposits, Canadian Institute of Mining & Metallurgy, Jubilee Volume, 1948, pp. 189-196.
- Annual Reports, Dept. of Mines, B.C.: 1899-1942; 1967, p. 236.
- Little, E.W.; Nelson Map-Area, West Half, British Columbia; Memoir 308, pp. 112, 179, Geol. Surv. of Canada, 1960.
- Mineral Policy Sector; Corporation Files: "Cominco Ltd."; "War-Eagle Consolidated Mining & Development Company"; "Falaise Lake Mines Ltd."
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 314; 1970, p. 437.

## MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Map 1090 A, Nelson, B.C., (Geol.), Sc. 1":4 miles - accomp. Mem. 308.
- Mineral Reference Map No. 5, Trail Creek & Nelson, B.C., (Surveyed claims), Sc. 1":1 mile - B.C. Dept. of Lands, 1930.
- Map 1518, Geological Plan of the Principal Mines at Rossland, B.C., Sc. 1":200 ft. - accomp. Mem. 77.
- Map 82 F/4 W, Rossland-Trail, B.C., (Topo.), Sc. 1:50,000.

## REMARKS/REMARQUES

See also: Josie; Area 82 F/4, Ref. Au 5.

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

work by Cominco in 1940, the indicated ore reserves in pillars and stope remnants in the upper part of the Le Roi, Iron Mask, and War Eagle workings were estimated at 307,400 tons averaging 0.204 ounce gold, 0.61 ounce silver, and 0.65% copper. In May 1969 an adit was begun at the north edge of the Golden Horn Crown-grant (Lot 1234) and directed towards the 800 level crosscut of the Le Roi workings. The adit, driven for 4,300 feet, was completed in October 1970. Underground diamond drilling was carried on into 1971. The option was subsequently dropped.

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Date Date	06-66	10-73					