

PRODUCT COPPER  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 114 P/10  
RÉGION DU S.N.R.C.

REF. CU 2  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

MAID OF ERIN

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 59°34' Long. 136°34'40"

Mining Division Atlin  
Division minière

District  
District

Cassiar

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 formation consists of quartzite, marble, and argillite of Permo-carboniferous age, skarn which replaces mainly marble, quartz diorite which forms part of a batholith, a small body of diorite, and one of gabbro. The bedded rocks dip at low angles to the northeast. The mineralization occurs as irregular replacement deposits in various types of skarn. One has been found in medium-grained skarn composed mainly of yellowish-green andradite garnet and white monticellite; in white skarn consisting chiefly of monticellite and carbonate; in medium-grained skarn composed essentially of dark-green zoisite and yellowish-green andradite garnet; in medium-grained skarn consisting mainly of diopside; in light-grey coarse-grained skarn composed principally of wollastonite and calcite. The ore minerals form small veinlets in the skarn locally, but, for the most part, they replace the mineral grains of the skarn, occur between the grains, and are intergrown with them. The principal metallic minerals in approximate order of abundance are: bornite, chalcocite, chalcopyrite, black sphalerite, magnetite, and wittichenite, a copper bismuth sulphide.

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

This property is located on the southwestern slope of Mineral Mountain near the headwaters of the Klehini River. The Maid of Erin, which includes ground staked originally in 1900 as the Carmichael and Pretoria claims, was located by Messrs. Burnham and Kennedy in 1903. Intermittent small scale mining operations were carried on by the owners until 1916 when the property was bonded to a group represented by Colonel Stevenson of Skagway. The owners resumed work on the property in 1918 and the following year bonded it to R.W. Wiley of Portland, who carried out considerable development work during the period 1920-1922.

The property lay idle from 1923 until 1927 when Mr. Kennedy resumed development work. In 1928 the property was optioned by Messrs. L.B. and C.K. McCornick for the Calumet and Arizona Co. Diamond drilling was done in 4 holes, totalling 339 feet; the option was subsequently dropped.

The St. Eugene Mining Corp. Ltd. optioned the property from R. Kennedy in 1943 and acquired title to the property in 1946, however, no work was done by the company until 1956 when a road to the property was completed. A total of 3,463 tons of ore were mined by open pit methods. Diamond drilling, totalling 260 feet, was done in 5 holes. Some geophysical work was reported done by the company in 1958.

The showings have been explored by an incline, several open cuts, a vertical shaft, two short adits, and 9 short diamond drill holes totalling 599 feet.

Associated minerals or products - Silver.  
Minéraux ou produits associés

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa  
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa  
502263 \*

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1911 to 1957, 3,622 tons of ore were shipped from this property. From this ore 11 ounces of gold, 47,796 ounces of silver, and 541,057 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Watson, K. DeP.; The Squaw Creek-Rainy Hollow Area; Bulletin No. 25, pp. 42-47, Dept. of Mines, B.C., 1948.

Annual Reports, Dept. of Mines, B.C.: 1900, p. 769; 1907, p. 46; 1914, p. 95; 1918, p. 86; 1921, p. 76; 1927, p. 110; 1928, p. 121; 1955, p. 7; 1956, p. 11.

McConnell, R.G.; Rainy Hollow Mineral Area, B.C.; Summary Report 1913, p. 30, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "St. Eugene Mining Corporation, Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Squaw Creek-Rainy Hollow Area, (Geol.), Sc. 1":2 miles - accomp. B.C. Dept. of Mines Bull. No. 25.

Map 114 P/10 E, Nadahini Creek, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By  
Comp./rév. par

Date  
Date

10-65