

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

BOWENA PROPERTY (EMERALD GROUP)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°21.5'
Lat.

Long. 123°20'
Long.

Mining Division Vancouver
Division minière

District
District

New Westminster

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

A number of mineralized shear zones in interbedded dark green lavas and cherty tuffs of the Bowen Island group, occur on the east side of Bowen Island, south of Snug cove. Mineralization consists primarily of pyrite and chalcopyrite, with minor malachite and azurite. Some gold and silver are associated with the sulphides. On the old Emerald group, 2 shear zones about 100 feet apart, are said to have widths of 8 to 10 feet and to have been traced along strike for a considerable distance. Both have been developed to some extent by underground workings.

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

Copper showings were found on Bowen Island prior to 1897. Little work was done, however, until 1913. In that year Bowena Copper Mines Limited was incorporated and over the next 4 years developed the 2 main zones on the Emerald group. On one of these, the Adit zone, an adit was driven 230 feet, with a 50-foot crosscut 75 feet in from the portal. On the other zone a shaft was sunk 30 feet and drifting done at the bottom. A trial shipment of 10 tons of sorted ore in 1917, assayed 3.38% copper, 1.16 oz/ton silver, and 0.12 oz/ton gold.

In 1918 the property was leased to C.W. Tipping. A 100-ton mill was erected but other than trial runs, no ore was apparently treated, and in 1921 all work ceased. Subsequently the company acquired the adjoining claims of the Snug Cove Copper Company on which a 160-foot adit had been driven. In 1928 and again in 1929 a limited amount of work was done. Since that time the property has apparently been inactive.

Associated minerals or products - Gold, silver.
Minéraux ou produits associés

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Armstrong, J.E.; Vancouver North; Paper 53-28,
(Geological Map with Descriptive Notes), Geol. Surv.
of Canada, 1954.

Annual Reports, Dept. of Mines, B.C.: 1897, p. 579;
1908, p. 167; 1913, p. 300; 1914, p. 388; 1915,
p. 292; 1916, p. 369; 1917, p. 297; 1918, p. 293;
1919, pp. 231, 256; 1929, p. 395.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 42-1963, Squamish, (Geol.), Sc. 1":4 miles.

Map 92 G/6, Vancouver North, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
Date

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