

PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 103 I/9 RÉGION DU S.N.R.C.	REF. CU 34 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

EMMA, IXL, USK

OBJECT LOCATED - IXL claim.  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE

Lat. 54°38'10" Long. 128°23'20"

Mining Division Omineca 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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Map 1136 A indicates the area is underlain by Triassic (?) sediments and Jurassic Hazelton Group volcanics. A quartz vein strikes east in andesitic rock and dips 25° to 40° north. Faults have offset the vein, giving the effect of a number of quartz lenses en echelon. For the first 100' in the Emma adit the vein ranges in width from 1' to 2'. East of this point the vein is locally 6' wide. The vein quartz is only sparsely mineralized with bornite and chalcopyrite, although in a few places these sulphides occur in small, rich pockets. A 16-inch channel sample taken across the vein 75 feet from the portal assayed: gold, 0.16 ounce to the ton; silver, 0.73 ounce to the ton.

On the IXL claim the vein strikes S60°E and dips 65°S. It is exposed for almost 100' and near the middle of this length has a maximum width of 7'. Most of the vein is very sparsely mineralized, but at its widest point and for some distance either way the hanging-wall side is heavily impregnated with bornite and chalcopyrite. A 28-inch channel sample taken across the mineralized part of the

p.t.o. ....

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

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

The property is located on the east side of the Skeena River, and the lower west side of Bornite Mountain, some 12 miles northeast of Terrace.

The Emma group, comprising the Emma, IXL and Boot Jack claims, was staked in 1893 by C.W.D. Clifford and associates, of Victoria, who incorporated Skeena River Mining Company, Limited Liability in 1897. The Emma (Lot 71) and IXL (Lot 72) were Crown-granted to the company in 1898. The Boot Jack claim (Lot 152) was apparently Crown-granted at a later date. In 1897 an adit was driven 174' on the Emma claim and a shaft was sunk 45', possibly on the Boot Jack claim, but little was done in subsequent years. By 1918 control of the company was held by Mrs. Clifford, of Vancouver. The claims were acquired by L.W. Patmore in 1920.

Showings adjacent to the north, locally exposed by the deep trench cut by Emma creek, were apparently held in 1920 as the Hazel group, owned by J.D. Wells & associates. The Kleanza Company, Limited optioned these showings (Usk group) in 1923 and some trenching and stripping was reported. In 1927 M. Allison held the Usk group and an option on the Emma property.

In 1928 the Emma and IXL were optioned by A.J. Lowary, of Seattle. The old adit at 550' elevation was reopened and a new adit at 930' elevation on the IXL claim was driven 110'. In 1929 the old adit was extended to a total of 327' of drift and crosscuts. The claims were still owned as late as the mid 1930's by Mr. Patmore, of Prince Rupert. Mr. J. Bell, of Usk, reported finding scheelite in the old workings on these reverted Crown-grants in the early 1940's.

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DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

hanging-wall assayed: gold, 0.02 ounce to the ton; silver, 2.52 ounces to the ton; copper, 1.21 per cent. The adjoining part of the vein across 22 inches assayed: gold, none; silver, a trace; copper, 0.12 per cent.

On the Usk group, small fractures are sparsely mineralized with pyrite, bornite, chalcopyrite and galena. Scheelite has been reported in the Emma workings.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1898, pp. 1153, 1198; 1899, p. 656; 1901, p. 998; 1908, p. 65; 1914, p. 132; 1918, p. 109; 1920, p. 349; 1923, p. 102+++; 1927, p. 125++; 1928, pp. 143, 421; 1929, p. 149.

+Kindle, E.D.; Mineral Resources of Terrace Area, Coast District, British Columbia; Memoir 205, p. 44, Geol. Surv. of Canada, 1937.

Hanson, George; Reconnaissance in Zymoetz River Area, Coast District, B.C.; Summary Report 1925, Pt. A., p. 116, Geol. Surv. of Canada.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 58, B.C. Dept. of Mines, 1943.

Omineca Herald, October 8, 1920 (Hazel Group).

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1136 A, Terrace, (Geol.), Sc. 1":4 miles - accomp. Memoir 329, Geol. Surv. of Canada, 1964.

#Map 103 I/9, Usk, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	11-84						