

PRODUCT COPPER  
PRODUIT

PROVINCE OR PROVINCE OU  
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 92 G/7  
RÉGION DU S.N.R.C.

REF. CU 1  
RÉF.

NAME OF PROPERTY VIKING (GOLDEN EARS) (PITT LAKE)  
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - No. 1 (North) Vein.  
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 49°21'35"	Long. 122°33'55"
Mining Division New Westminster 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

The claims overlie the contact between Cretaceous-Tertiary hornblende quartz diorite and a small pendant of mid-Jurassic metavolcanics of the Harrison Lake Formation. Two easterly striking shears with general steep southerly dips occur in the quartz diorite. The main (North) shear has an average width of about 4 feet and consists of brecciated wallrock cemented with quartz and calcite containing pyrite, pyrrhotite, and chalcopyrite. Mineralization in the adit is reported to occur over a length of about 150 feet. The average of 900 samples taken throughout the workings in the 1920's is reported as: Au, \$1.20/ton; Ag, \$2.40/ton; Cu, 3.9% (Report of Minister of Mines, 1927, p. 366).

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

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

The property is located at approximately 900' elevation on Stephenson Creek, on the east side of Pitt Lake near its south end.

The showings were held in 1897 as the Cromwell and Champion claims, owned by Messrs. Seymour and Clinton, and the Rocket claim, owned by Golden Ears Mining Company, Limited Liability. Development work was done in two adits. The above claims, along with the O.K. claim, were known in 1898 as the Pitt Lake group. During 1898-99 the property was held under bond by The Dominion Mining, Development and Agency Company, Limited and further development work was carried out.

No further activity was reported until 1914. In May 1915 Viking Mining Company, Limited was incorporated to acquire the Viking, Irma No. 3, Fighting Chance, Copper Queen, and Ramburn No. 1 claims. A half mile long aerial tram was installed between the main adit and the shore of Pitt Lake, and some ore was shipped in 1916; the company was ordered dissolved late in the year.

W.H. Wooley & associates, of Vancouver, incorporated Pitt Mining Company, Limited in June 1921 to acquire the Viking group, including the Viking, Expremier, Pioneer, Missouri, Ivanhoe, Vimy, Climax, and Incline claims. Limited underground work was done, most of the workings dating from prior to 1900. Development work to 1923 on the North (No. 1) vein comprised a 550' adit, with a 180' raise to the surface from a point 270' from the portal; the raise apparently incorporates the original "shaft". Two levels were driven from the raise, one at 90' and the other at 135' above the adit level; a good width of milling ore was reportedly exposed on both levels. Reserves were roughly estimated at 16,000 tons, grade unstated (Report of Minister of Mines, British Columbia, 1923, p. 262).

Subsequent to 1923 a crosscut was driven from the North vein adit to the South (No. 2) vein, which was drifted on for about 200 feet. During the late twenties considerable surface construction was done, including a 300 HP hydro-electric plant and a building to house a 50-ton concentrating mill. The project was slowed by a shortage of funds and finally, in 1930, the depression stopped the enterprise before the concentration machinery could be installed.

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

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**HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION**

Three tons of ore sent to Swansea, Wales, in 1898 returned \$45 per ton, mostly for copper. Bin samples for that year were reported as giving assays of 3 to 21 per cent copper; and \$3 to \$5 gold and silver.

Recorded production for the period 1914-16 totals 198 tons of ore shipped from this property. From this ore 232 ounces of silver and 11,356 pounds of copper were recovered.

**REFERENCES/BIBLIOGRAPHIE**

Reports of Minister of Mines, British Columbia:

1897, p. 579; 1898, p. 1150; 1899, p. 811;  
 1900, pp. 937, 940; 1901, p. 1121; 1915, p. 301;  
 1916, p. 519; 1923, p. 260<sup>+</sup>; 1924, p. 257; 1925,  
 p. 293; 1926, p. 324; 1927, p. 366<sup>++</sup>; 1928, pp. 389,  
 522; 1929, p. 398; 1930, p. 313.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy, 1925, Rept. 670, pp. 48-50 (No. 229).

Roddick, J.A.; Vancouver North, Coquitlam and Pitt Lake Map-Area; Memoir 335, p. 190, Geol. Surv. of Canada, 1965.

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

**MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES**

Map 1153 A, Coquitlam, (Geol.), Sc. 1":1 mile - accomp.  
 Memoir 353, Geol. Surv. of Canada, 1965.

#Sketch map of property, Sc. 1":600', Report of Minister of Mines, B.C., 1923, p. 261.

\*Map 92 G/7, Coquitlam, (Topo.), Sc. 1:50,000.

**REMARKS/REMARQUES**

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	06-80						