

PRODUCT PRODUIT	COPPER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 82 E/2 RÉGION DU S.N.R.C.	REF. CU 16 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

SAPPHO

OBJECT LOCATED- Adit.
OBJET LOCALISÉ

UNCERTAINTY - 300 m
FACTEUR D'INCERTITUDE

Lat. 49°00'20" Long. 118°42'20"
Lat. Long.

Mining Division Greenwood
Division minière

District
District

Similkameen

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 claim is underlain by a microdiorite stock and younger (Eocene) Coryell-type intrusions in greenstone country rock. Chalcopyrite and pyrite occur in the Coryell alkaline intrusions as disseminations in shear zones and as irregular-shaped blebs and pods. The sulphides are also found locally in skarn-like assemblages of chlorite, epidote, garnet and magnetite near what appear to be intrusive margins. Sampling in trenches in 1967 yielded 0.7% Cu across 9.5 metres and 0.15% Cu across 17 metres. Work in 1975 and 1978 confirmed the presence of platinum in the range 0.6 to 1.8 ppm from spot sampling. In 1927 a sample of chalcopyrite-pyrite ore assayed 0.03 oz/t platinum. Drilling in 1964 reportedly cut a short high-grade sulphide section assaying 28 ppm gold.

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

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

The Sappho claim is located at 3,500' elevation about ¼ mile north of the International Boundary and 6 miles south-southwest of Greenwood.

Small ore shipments were made from open cuts and a shaft by owner C.E. Johnson in 1916-17 and lessee Ol Lofstad and associates, of Greenwood, in 1918. The claim was surveyed and numbered (Lot 2039) but not Crown-granted.

Alex Bravard & associates, of Boundary Falls, leased the property in 1927. A crosscut adit was driven some 80' to the shaft; work ceased in 1928.

The property was held in 1964 as the Cabin group of claims by Triform Mining Ltd. Work included a geophysical survey, 2,300' of trenching, and 1,580' of diamond drilling. Silver Standard Mines Limited in 1967 optioned 20 claims centered on the Sappho showings from Messrs. McLean and Gouthro, of Greenwood. Work on the Cabin Nos. 1 and 2 claims included geological mapping, a magnetometer survey, and 1,800' of trenching. Further trenching was reported in 1975 and 1978 by owner G. Stewart and associates and McIntyre Mines Limited.

Kettle River Resources Ltd. in 1981 acquired a number of claims on Norwegian Creek, including the Sappho showing. Work in 1981-82 included geological mapping, trenching and sampling.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Production for the period 1916-1918 totals 112 tons shipped. From this ore 197 ozs silver and 13,580 lbs copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1918, p. 211; 1927, p. 234; 1928, p. 250; 1964, p. 110; 1967, p. 226.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1975, p. E 13.

O'Neill, J.J.; The Platinum situation in Canada; Summary Report 1918, Pt. G, p. 8, Geol. Surv. of Canada.

Geological Fieldwork; British Columbia Dept. of Mines: 1982, p. 27+.

Mineral Policy Sector; Corporation Files: "Kettle River Resources Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 6-1957, Kettle River, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

#Geology and magnetometer survey of the Sappho prospect, 2.4 cm:100 m, Fig. 10, Geological Fieldwork, 1982, p. 28.

*Map 82 E/2, Greenwood, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-83						