

PRODUCT MERCURY  
PRODUIT

PROVINCE OR PROVINCE OU  
TERRITORY TERRITOIRE British Columbia

N.T.S. AREA 92 0/2  
RÉGION DU S.N.R.C.

REF. HG 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ EMPIRE MERCURY (MANITOU) (ROSE)

OBJECT LOCATED - No. 2 Adit.  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE

Lat. 51°03'25"  
Lat.

Long. 122°46'25"  
Long.

Mining Division Lillooet  
Division minière

District  
District

Lillooet

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 property is underlain by Palaeozoic (Permian ?) sedimentary and volcanic rocks of the Fergusson Group, serpentized ultrabasic intrusions, and later feldspar porphyry dykes. Most of the mineralization is confined to two main shear zones which strike northwesterly and range in width from a few inches to 10 feet.

Cinnabar occurs with pyrite as disseminations in calcite veins and as discrete grains in the host rock. The best mineralization occurs as irregular shoots along the steeply dipping shear zones.

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

The property is located some 19 miles north of Bralorne, at about the 3,900' elevation on the ridge between Mud Creek on the east and Relay Creek on the west, close to their junctions with Tyaughton Creek.

The Rose claim was staked on the showing by B. C. Fomer in 1931 and underground exploration began. Manitou Mining Company, Limited was incorporated in March 1936 to acquire the property. Development work began in July and by September 1938, when a 10-ton-per-day Gould rotary furnace was put into operation, the workings consisted of 9 adits comprising over 2,400' of drifts, crosscuts and raises. The company name was changed in August 1938 to Empire Mercury Mines, Limited. Operations ceased in February 1939. Work on the property resumed in 1940. Underground development included a connection between the No. 2 and 3 adits which opened on the opposite sides of the ridge. The mine closed again in the fall of 1941 and the company was dissolved in 1943.

The property was acquired by Ed. Phillips, Egil Lorntzen and associates who incorporated Empire Mercury Corporation Ltd. in July 1965. Work included bulldozer trenching and 23,206' of percussion drilling in 128 holes in the vicinity of the underground workings. No further activity was reported until 1969 when 1,544' of underground diamond drilling in 11 holes was carried out. Probable reserves were estimated at 700,000 tons at 1.1 lb/t mercury, with an additional 700,000 tons possible at the same grade, to a depth of 250' (Canadian Mining Journal, November 1969, p. 11). The company name was changed in 1970 to Empire Metals Corporation Ltd. and in February 1976 to Sovereign Metals Corporation.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Recorded production for the 1938-39 period totals 156 tons of ore treated, from which 1,196 lbs of mercury were recovered.

REFERENCES/BIBLIOGRAPHIE

+Stevenson, J.S.; Mercury Deposits of British Columbia; Bulletin No. 5, pp. 70-81, British Columbia Dept. of Mines, 1940.

++ Cairnes, C.E.; Geology and Mineral Deposits of Tyaughton Lake Map-Area; Paper 43-15, p. 35, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia:  
1931, p. 113; 1936, pp. 58-61; 1937, p. F 37;  
1938, p. F 69; 1940, p. 86; 1966, p. 138.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1938, Rept. 797, pp. 20-30 (NO. 749).

Mineral Policy Sector; Corporation Files: "Empire Mercury Mines, Limited"; "Sovereign Metals Corporation".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 185.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Preliminary Map 43-15 A, Tyaughton Lake, (Geol.), Sc. 1": 2 miles, Paper 43-15, Geol. Surv. of Canada.

#Plan of Workings, Empire Mercury Mines, Sc. 1":80', Fig. 7 - accomp. Bulletin No. 5, B.C. Dept. of Mines.

\*Map 92 0/2, Tyaughton Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	10-81						