

PRODUCT SILVER  
PRODUIT

PROVINCE OR PROVINCE OU British Columbia  
TERRITORY TERRITOIRE

N.T.S. AREA 82 K/8  
RÉGION DU S.N.R.C.

REF. AG 1  
RÉF.

NAME OF PROPERTY PTARMIGAN (RED LINE) (McDONALD)  
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Golden  
Division minière

County  
Comté

Lot  
Lot

Sec  
Sect.

Lat. 50°29'30"  
Lat.

District  
District

Township or Parish  
Canton ou paroisse

Concession or Range  
Concession ou rang

Tp.  
Ct.

R.  
R.

Long. 116°24'30"  
Long.  
Kootenay

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Belle Tahsis Mines Ltd.,  
645 Hornby St.,  
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The formation consists of quartzite and limestone of the Mount Nelson formation of Proterozoic age. The larger of the two veins, lying along a fault zone, is not clearly defined and assumes more the appearance of a strong impregnation of the country rock. In one place this vein widens to 30 feet, again pinching down to a few inches. The smaller vein, generally very narrow, contains pyrite and tetrahedrite assaying high in silver with some gold. In the larger vein the material consists of quartz and country rock carrying pyrite, tetrahedrite, and carrying high values in silver.

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

This property is located at an elevation of 8,600 feet at the headwaters of Red Line Creek, a tributary of McDonald Creek, which in turn is a tributary of Horsethief Creek.

Exploration and development work was first reported on the showings in 1899. Ptarmigan Mines of the Selkirks Company Limited was formed in about 1903 and mining operations continued until about 1906. The Iron Cap and Red Line No. 1 (Lot 5345) claims were Crown-granted to Sarah Farnham, and the Red Line No. 2 and Iron Crown Fraction claims were Crown-granted to Ada Scovil, in 1917. The property was leased to E. Watson and during 1919 and 1920 ore was shipped from the mine dumps.

No further work was done on the property until 1955 when it was optioned by H.F.K. Seel. Rehabilitation and small scale mining operations were carried on until 1958 when Mr. Seel completed purchase of the property. Selkirk Ptarmigan Mines Limited was formed as a private company to carry on work at the mine, however, very little work was done by the company.

Early development work on the property, mostly done prior to 1906, consisted of about 3,000 feet of drifts, crosscuts, winzes and raises in 3 adits.

Meta Uranium Mines Limited optioned the property in 1960 but after sampling dropped the option. Belle Tahsis Mines Limited optioned the property in 1963 and subsequently obtained title to it. During the year a geological and geophysical survey was carried out and 650 feet of diamond drilling was done in 10 holes.

Union Carbide Exploration Limited explored the property during 1964 under an agreement with Belle Tahsis Mines Limited. During the year geological mapping was done and 13 diamond drill holes, totalling 1,250 feet, were drilled from the lower level of the mine.

In 1965 a contract was entered into with International Kenville Gold Mines Limited for further work on the property.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1900 to 1959, 725 tons of ore were shipped from this property. From this ore 114 ounces of gold, 89,027 ounces of silver, 7,758 pounds of lead, 1,870 pounds of zinc, and 8,407 pounds of copper were recovered.

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Dept. of Mines, B.C.: 1902, p. 136; 1903, pp. 97, 104; 1955, p. 71; 1956, p. 111; 1957, p. 65; 1958, p. 53; 1960, p. 85; 1963, p. 85; 1964, p. 135.

Walker, J.F.; Geology and Mineral Deposits of Windermere Map-Area, B.C.; Memoir 148, p. 50, Geol. Surv. of Canada, 1926.

Mineral Policy Sector; Corporation Files: "Selkirk Ptarmigan Mines Ltd."; "Belle Taxis Mines Ltd."; "Union Carbide Exploration Ltd."

Mines Branch, Ottawa; Investigation Report 60-64; Flotation Tests on a Silver-Copper Ore from Selkirk Ptarmigan Mines Ltd., Edgewater, B.C.; 1960.

Mines Branch, Ottawa; Summary Report, 1920, Investigations in Ore Dressing and Metallurgy, Rept. No. 574, pp. 28-29 (No. 134).

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 12-1957, Lardeau, B.C., (Geol.), Sc. 1":4 miles.

Map 2070, Windermere, B.C., (Geol.), Sc. 1":2 miles - accomp. Mem. 148.

Map 82 K/8 W, Toby Creek, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	02-66	01-74					

BCI 82 K/SE-30