

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 82 F/6
RÉGION DU S.N.R.C.

REF. AG 2
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

PORCUPINE

OBJECT LOCATED - adit.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°15'20"
Long. 117°10'55"

Mining Division Nelson
Division minière

District
District

Kootenay

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

Lower Cambrian and (?) later schistose and calcareous members, possibly of the Liab Formation, are in contact with Jurassic Nelson granitic intrusives. North and northeasterly trending veins and silicified zones occur in the sediments at or close to the granitic contact. Five or more quartz veins are sparsely mineralized with pyrite, galena, and sphalerite, containing gold and silver values, and occasional chalcopyrite; some vein samples contain traces of tin. Low-grade disseminations of galena, sphalerite and pyrite, with gold and silver values occur in the silicified zones. Samples taken in 1925 from a few sacks of sorted ore from open cuts assayed: gold, 0.09 oz/ton, silver, 14.4 ozs/ton; lead, 18.9%; zinc, 2.4%.

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

The property is located at the 3,000 foot elevation on the south side of Porcupine Creek, about 1¼ miles east of the Salmo River and 2 miles east-southeast of Ymir. The Nevada property (82 F/6, Ag 3) adjoins to the southwest.

The Porcupine (Lot 4634), the first claim staked in the Ymir area, was located by Messrs. Lloyd and Thompson in 1895. Considerable work was done in an adit driven in 1897. The Porcupine and Franklin (Lot 4635) were Crown-granted to J.S. Clute in 1901. Claims adjacent to the northwest were Crown-granted that same year to The Rio Grande Gold and Silver Mining Company, Limited Liability; in later years these claims were divided between the Porcupine and adjacent Nevada properties.

In 1925 the Porcupine group, owned by E. Haukedahl, E. Gille, and Nels Peterson, of Ymir, comprised 7 claims including in addition to the above, the Sunrise claim, and the Champagne (Lot 5131) which had been Crown-granted to the Rio Grande company. Exploration work was reported in open cuts and old adits. The Porcupine was reported re-Crown-granted in 1925 to N.H. Peterson. The Franklin, Champagne, and Sunrise (Lot 4385) were re-Crown-granted to Haukedahl and Peterson in 1926.

The property was bonded in 1926 by R.K. Waite for Cleveland Ohio interests. Cleveland Mines, Limited was incorporated in September of that year but no activity was reported other than the shipment of a few tons of ore. Intermittent prospecting and development by Haukedahl and Peterson continued until about 1930; work to date included numerous open cuts and about 426 feet of underground work in 5 adits.

Late in 1937 the property was optioned by C. Wolf and E.H. Carlson, of Spokane, who carried out 275 feet of drifting the following year. A Spokane syndicate, Maple Leaf Gold Mining Co. Inc. was organized to continue the development work. In 1939 underground work totalled 160 feet of drifting and 60 feet of crosscutting; an additional 125 feet of drifting was reported in 1944. The company in 1948 held the Ambassador, Easter, and Sun Fr. claims in this vicinity. An adit was driven during the year and a small amount of ore shipped.

Duval International Corporation held the Porcupine and adjacent claims in 1968; geological mapping and sampling was reported.

see Card 2

Associated minerals or products - Gold, lead, zinc, copper, tin.
Minéraux ou produits associés

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

121116

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Production data is uncertain. From a shipment in 1926 of 18 tons, listed under Porcupine, 1 ounce of gold, 173 ounces of silver, and 2,319 pounds of copper were recovered; the copper content puts the origin of this shipment in doubt.

In 1948 Maple Leaf Gold Mining Co. shipped 26 tons of ore from claims in this vicinity. From this ore 2.3 ounces of gold, 232 ounces of silver, 1,428 pounds of lead, and 3,832 pounds of zinc were recovered (Report of Minister of Mines, 1948, p. 133).

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1897, p. 531; 1901, p. 1226; 1925, pp. 249, 450; 1926, pp. 276, 449; 1930, p. 272+;
 1937, p. E 50; 1938, p. E 42; 1939, p. 81;
 1944, p. 61; 1938, p. 133; 1968, p. 241.

Geology, Exploration, and Mining; British Columbia
 Dept. of Mines: 1976, p. E 36; 1978, p. E 56.

Drysdale, C.W.; Ymir Mining Camp, British Columbia;
 Memoir 94, p. 123, Geol. Surv. of Canada, 1917.

Cockfield, W.E.; Lode Gold Deposits of Ymir-Nelson Area,
 British Columbia; Memoir 191, p. 16, Geol. Surv. of
 Canada, 1936.

++McAllister, A.L.; Ymir Map-Area, British Columbia;
 Paper 51-4, p. 40, Geol. Surv. of Canada.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1144 A, Ymir, (Geol.), Sc. 1":1 mile, Geol. Surv. of
 Canada, 1964.

#Preliminary Map 51-4 A, Ymir, (Geol.), Sc. 1": $\frac{1}{2}$ mile - and
 Fig. 1 A, Plan of Maple Leaf (Porcupine), Sc. 1":200' -
 accomp. Paper 51-4 A, Geol. Surv. of Canada.

Map 8480 G, Nelson, (Aeromag.), Sc. 1":1 mile.

*Map 82 F/6, Nelson, (Topo.), Sc. 1:50,000.

Porcupine Group, (Claims & Workings), Sc. 1":150', Report of
 Minister of Mines, British Columbia, 1930, p. 273.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	03-81						

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

The Porcupine, Franklin, and Champagne claims were owned in 1976 by I. Urquhart, c/o Cochrane Consultants Ltd. Geological mapping, and sampling of trenches, dumps, and adits was reported in 1976 and 1978.

Detail legend on file