

PRODUCT IRON
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 92 F/14
RÉGION DU S.N.R.C.

REF. FE 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

IRON RIVER

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°55'20" Long. 125°26'

Lat. Long.

Mining Division Nanaimo
Division minière

District Comox
District

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

Outcrops of greenstone, garnetite, and limestone occur in the area and granodiorite outcrops to the east. To the west and southwest of the deposit all these rocks are overlain by Upper Cretaceous sandstone and conglomerate. The main showing of magnetite-rich skarn outcrops on a knoll just west of the river. No other rocks are exposed on the knoll and little is known about the relationship of the deposit to rocks near by. The presence of a deposit east of the river was indicated by magnetometer survey and confirmed by diamond drilling. Numerous dykes cut the area. Along zones of shearing, garnet, epidote, actinolite, and magnetite, in small amounts, have developed. Limited diamond drilling has indicated that the West deposit plunges northeast at approximately 30 degrees and persists to a maximum depth of 175 feet below the surface. The East deposit appears to trend northeast and dip northwest at approximately 45 degrees. In general the ore is finely granular magnetite with minute streaks and small, irregular patches that are coarsely crystalline. To date about 800,000 tons, grading 36% iron, 0.9% sulphur, and 0.35% copper can be classified as probable ore. Of this amount, roughly three-quarters is contained in the West deposit.

Associated minerals or products - Copper.
Minéraux ou produits associés

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

This property, located about 11 miles southwest of the community of Campbell River, straddles the Iron River about 1½ miles above its junction with the Quinsam River. The area is within the limits of the Esquimalt and Nanaimo Railway Land Grant.

The early history of the deposit is not known, however, a 1909 report states that development work consists of a tunnel 60 feet long driven into the hill and considerable stripping and some trenching.

No further work was done until Canadian Collieries (Dunsmuir) Ltd. acquired the property and leased it to the Argonaut Mining Co. Ltd. in 1951. A total of 1,591 feet of diamond drilling was completed in 8 holes. A ground magnetometer survey and further diamond drilling was completed in 1954. In 1956 a small amount of ore was mined for mill test purposes.

The lessee, Argonaut Mining Co. Ltd., changed its name to Argonaut Mine Division of Utah Company of the Americas in 1955.

In 1957 Canadian Collieries (Dunsmuir) Ltd. became known as Canadian Collieries Resources Limited.

Western Ferric Ores Ltd. held an option on the property in 1961 and carried out a program of surface exploration.

Texada Mines Ltd. optioned the property (Lot 242) from Canadian Collieries in about 1965 and purchased the property in about 1967. Exploration work during 1965 and 1966 included geological mapping and 10,290 feet of diamond drilling. As a result of this work the deposit was estimated to contain better than 4 million tons of ore.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Young, G.A. & Uglow, W.L.; The Iron Ores of Canada; Vol. 1, British Columbia and Yukon; Economic Geol. Series No. 3, pp. 71-73, Geol. Surv. of Canada, 1926.

Annual Reports, Dept. of Mines, B.C.: 1951, p. 199; 1952, p. 228; 1954, p. 166; 1956, pp. 131-132; 1965, p. 233; 1966, p. 70.

Lindeman, E.; Iron Ore Deposits of Vancouver & Texada Islands, B.C.; Rept. No. 47, p. 20, Mines Br., Ottawa, 1909.

Mineral Policy Sector; Corporation Files^ "Argonaut Mining Co."; "Canadian Collieries Resources Ltd."; "Texada Mines Ltd.".

Hayslip, G.O.; Cobbing and Concentration Tests on a Copper-Bearing Iron Ore Submitted by Western Ferric Ores Limited, Vancouver, B.C.; Investigation Report 61-44, Mines Branch, Ottawa, April 1961.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 196 A, Vancouver Sheet, B.C., (Geol.), Sc. 1":8 miles.

Map 2-1965, Comox Lake Area, B.C., (Geol.), Sc. 1":2 miles.

Map 92 F/14 (West Half), Oyster River, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date	04-66	02-73					

BCI-92F-76