

PRODUCT GOLD  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

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

REF. AU 23  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

CORDOVA

OBJECT LOCATED - adit.  
OBJET LOCALISÉ

UNCERTAINTY 200 m  
FACTEUR D'INCERTITUDE

Lat. 50°02'50"

Long. 126°49'40"

Mining Division Alberni  
Division minière

District  
District

Rupert

County  
Comté

Township or Parish  
Canton ou paroisse

Lot

Concession or Range  
Concession ou rang

Sec  
Sect.

Tp.  
Ct.

R.  
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

1969 - Zeballos Iron Mines Limited  
(H. Sutton)

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Light-coloured granodiorite underlies the eastern part of the property while fine-grained diorite underlies the western part. The contact between the two rock types is striking north-northwesterly. The main shear contains mineralized quartz ranging in width from zero to ten inches. Much of the quartz has been broken and crushed and is strung out along the shear as lenses separated by barren stretches. The mineralized quartz contains a small amount of gold with pyrite and arsenopyrite.

According to Stevenson 1950, p. 45, veins in northeasterly trending tension fractures have been most favourable for gold mineralization. For this reason it is important to determine which veins have been formed by tension and which by shearing stress.

Potassium-argon dating indicates Early to Middle Jurassic age for the <sup>a</sup>all-rocks.

Carson suggested a Tertiary age for the Zeballos camp gold-quartz vein deposit because of an age 38 million years for the quartz diorite (GSC, Paper 68-50, p. 43).

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The claims are located about 230 meters north of Black-sand Creek and approx. 1.2 kilometers northwest of Blacksand and Lime Creeks junction, on the west coast of Vancouver Island, at an elevation of 1,930 feet.

This property is reported to consist of the Cordova, Cordova No. 1, Cordova Fraction, Ridge Fraction, Siwash, and Siwash No. 1 mineral claims. Staked in 1937-38 by R.V. Murphy of Zeballos, and held by record by Murphy and F.R. Moore until 1957.

The only production recorded is a shipment of one ton made in 1939, containing 5 oz Au, 1 oz Ag and 8 pounds of Pb.

The principal workings are on the Cordova No. 1 claim and consist of an adit and three open-cuts above it. The adit, No. 1 cut, and No. 3 cut are on the main shear, strike north 63 degrees east and dip 75 to 85 degrees southeastward.

No. 1 open-cut, driven easterly for 6 feet to a face 6 feet high by 3 feet wide, followed 3 inches of quartz on the northwest wall of a shear 5 inches to 2 feet wide.

No. 2 open-cut, not on the main vein shear, has been driven easterly for 10 feet to a face 7 feet high by 2 feet wide along quartz stringers, one to two inches wide, that follows a shear zone 2 feet wide.

No. 3 open-cut has been driven northeasterly for 8 feet to a face 5 feet high by 3 feet wide, following the main shear, 6 to 12 inches wide, which contains quartz ranging in width from a knife-edge to 8 inches.

In 1962 Zeballos Iron Mines Limited, a wholly owned subsidiary of International Iron Mines Ltd., optioned the Cordova recorded claim from H. Sutton, of Zeballos. One hole was drilled for 300 feet on the magnetite showings. The option was dropped later that year. (Also see 72 L/2, FE-1 & FE-5, Minsys Nos. 506058 & 120668).

This showing is not economically important, but follows the trend suggested by Stevenson 1950, p. 42: "Quartz veins that contains either pyrite or arsenopyrite only do not as a rule contain much gold".

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

1939 - 1 ton containing 5 oz Au, 1 oz Ag & 8 lb Pb.

REFERENCES/BIBLIOGRAPHIE

Mineral Policy Sector; Corporation Files: "Zeballos Iron Mines Limited".

Hoadley, J.W. (1953): Geology and Mineral Deposits of the Zeballos-Nimpkish area, Vancouver Island, British Columbia; Geol. Surv. Can., Mem. 272, p. 60.

Stevenson, J.S. (1950): Geology and Mineral Deposits of the Zeballos Mining Camp, B.C.; BCDM, Bull. No. 27, pp. 124-125.

Robinson, W.C. (1969): Alberni Mining Division-Zeballos in GEM, BCDM, pp. 215, 216.

British Columbia Minister of Mines and Petroleum Resources:

- Ann. Rept. 1952, pp. 231-234
- " " 1960, pp. 103, 104
- " " 1961, p. 101
- " " 1962, pp. 100-103
- " " 1963, p. 101
- " " 1964, pp. 153, 154.
- " " 1965, pp. 230-232
- " " 1966, p. 72
- " " 1967, p. 73
- " " 1968, p. 102
- " " 1969, pp. 215, 216

Muller, J.E. et al. (1974): Geology and Mineral Deposits of Albert Bay-Cape Scott Map-Area, Vancouver Island, British Columbia; Geol. Surv. Can., P 74-8, 77 p.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- #Map 1028 A, Woss Lake, (Geol.), Sc. 1":1 mi.
- Map 92 L, Albert Bay, (B.C. Mineral Inventory - 1980), Sc. 1":4 mi.
- #Map Fig. 2, Zeballos Mining Camp, Areal Geology, Sc. 1":1,600 ft. - accomp. BCDM Bull. No. 27.
- Map 4-1974, Albert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. GSC, P 74-8.
- \*Map 92 L/2, Woss Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	CFL							
Date Date	08-81							