

PRODUCT PRODUIT	GOLD	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA RÉGION DU S.N.R.C.	92 L/2	REF. AU 21 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

BARNACLE

OBJECT LOCATED - adit (L. 2010).  
OBJET LOCALISÉ

UNCERTAINTY FACTEUR D'INCERTITUDE	200 m	Lat.	50°03'20"	Long.	126°49'55"
Mining Division Division minière	Alberni	District District		Rupert	
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

Several gold-bearing quartz veins in shear zones occur in the rocks Early to Middle Jurassic age - a mixture of fine-grained diorite and andesite, with the andesite predominating. The contact with limestone is to the southeast of the showings.

Quartz vein on Extension No. 1 extends for about 200 feet northward down the floor of a chimney on a slope of about sixty degrees.

A gold-bearing quartz vein on Extension No. 3 claim is 2 to 4 inches wide, is in the centre of a strong shear zone, two feet wide, in andesite that contains patches of diorite and brown garnet. The quartz is vuggy, and, near the surface, many of the cavities in the quartz are filled with earthy limonite, indicating the former presence of sulphides. Occasional residual chalcopyrite and pyrrhotite are seen.

The vein on the Extension No. 4 claim follows the west wall of a fine-grained andesite dyke, that cuts massive crystalline limestone. The vein outcrops for 200 feet southerly down the hillside from the adit and for 60 feet northerly up the hillside.

see Card 2 ....

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

The Barnacle group consists of the Crown-granted claims Extension No. 1 (L. 2008), Extension No. 2 (L. 2009), Extension No. 3 (L. 2010), and Extension No. 4 (L. 2011), staked in 1938; Barnacle Fractional (L. 2012), staked in 1939; and the recorded K.P.O., staked in 1944.

The claims are located about 2.4 kilometers northwest of Zeballos River between Blacksand and Lime Creeks at an elevation 2,600 to 3,100 feet on west coast of Vancouver Island.

The showings on which the early and greater amount of work has been done are on the Extension No. 1 and Extension No. 3 claims. In 1946 Messrs. Andy Morod and William Maclean were working on the Extension No. 4 claim.

There are four short adits worked out on Barnacle property, each on a different vein shear.

No. 1 adit on the Extension No. 1 claim has been driven south for 34 feet along a shear zone, 4 feet wide, strike northerly and dip 65 degrees west, that contains a lenticular quartz vein, zero to six inches thick.

No. 2 adit on the Extension No. 3 claim is the main adit and follows a gold-bearing quartz vein, strike northerly and dip vertical. It was the owners' intention to drive on the vein, 3 to 4 inches wide, that outcrops on the rock bluff about 100 feet above. Specks of free gold may be seen in much of the quartz and may be panned from the rusty crushed material of shear zone.

No. 3 adit, also on the Extension No. 1 claim had been driven southerly for 18 feet along lenticular quartz veins, one to eight inches wide. The vein follows a shear, strike north, dip 85 degrees west. Stevenson (1950) reported that 1½ tons of high-grade ore, averaging 3.13 oz of Au per ton, was taken from the open-cut leading into this adit and back-packed down the mountain to the truck-road at the Ford bridge.

At a point, elevation 3,060 feet, on the Extension No. 4 claim and about 500 feet south-southwesterly along the mountainside from No. 3 adit, a fourth adit has been driven north 22 degrees west as an open-cut for 15 feet and then as an adit for 15 feet along the wall of a 3-foot light green diabase dyke that cuts fine-grained andesite. Coarse gold is reported to have been found in the quartz vein from this adit.

see Card 2 ....

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

1½ tons of high-grade ore ave. 3.13 oz Au per ton from No. 2 adit on the Extension No. 3 (L. 2010) claim.

REFERENCES/BIBLIOGRAPHIE

Mineral Policy Sector; Corporation Files:  
"Anyox Metals Limited"; "Zeballos River 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, p. 128.

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

Robinson, W.C. (1969): Zeballos-FL claims in GEM of BCDM, p. 215.

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						

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NAME OF PROPERTY NOM DE LA PROPRIÉTÉ	BARNACLE
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## DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

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 (continued)  
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Mining activity (in Zeballos mining camp area) continued at a high level until about 1942 when all the mines were forced to close due to labor shortage.

In September 1946, Morod and Maclean were prospecting a lenticular quartz-sulphide vein, 6 inches to 2 feet wide, on the Extension No. 4 claim approximately 1,600 feet south of the Barnacle adits. The vein has been stripped at several places along its strike, and an adit has been driven by hand for 46 feet. The vein follows the west wall of a fine-grained andesite dyke, strike N23°E and dip vertical. Specks of fine gold may be seen in silicified vein matter at the surface.

The Extension Nos. 2 & 4 claims formed a part of F.L. group (see 92 L/2, FE 1, Minsys No. 506058) since as early as 1941-42 season when Anyox Metals Limited paid 10,000 dollars by agreement to Andrew Morod for which they hold all rights in iron ore. The work on FL group was completed on June 13, 1969; iron ore treatment was completed on June 26, 1969; the mill has been dismantled and removed and the road and entrance to the mine have been blocked.