

PRODUCT PRODUIT	IRON	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 L/2 RÉGION DU S.N.R.C.	REF. FE 4 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

RIDGE

OBJECT LOCATED - magnetite body.  
OBJET LOCALISÉ

UNCERTAINTY 100 m FACTEUR D'INCERTITUDE	Lat. 50°03'00"	Long. 126°49'40"
	Lat.	Long.
Mining Division Alberni Division minière	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

Outcrops of magnetite in an area 300 feet by 50 feet occur along a contact between Upper Triassic Quatsino limestone in the north and diorite in the south. It is apparently on the southeast flank of an anticline. West of the outcrop area, the limestone is in contact with andesitic volcanic rocks of the Lower Jurassic Bonanza group.

The magnetite is massive to crystalline and is free of visible sulphide or lime-silicate minerals. However, a few scattered inclusions of limestone occur in the magnetite and two 4-foot feldspar porphyry dykes cut the magnetite and surrounding rocks.

Assays of four samples of magnetite gave 67.72 to 68.84 per cent iron, 0.002 to 0.004 per cent titania, 0.003 to 0.02 per cent sulphur, 0.006 to 0.014 per cent phosphorus, 2.12 to 3.08 per cent silica and 0.038 to 0.052 per cent manganese. Reserves were estimated to be 50,000 tons. (Reports of Minister of Mines 1962, p. 103).

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

The showing is located one mile north of Zeballos River, between Blacksand and Lime Creeks at about 2,600 feet elevation. It lies 1,500 feet east of the Zeballos Iron property (see Zeballos Iron, 92 L/2, FE 1) and extends easterly across the boundary from Extension No. 4 claim (Lot 2011) into the Ridge Fraction. The two claims were staked originally for gold in 1938 by A. Morod and R.V. Murphy, respectively.

Anyox Metals Ltd. subsequently obtained the iron ore rights on the claims and outlined the magnetite body.

In 1962 Zeballos Iron Mines Limited, a wholly owned subsidiary of International Iron Mines Ltd., optioned the property. The Companies are controlled by Falconbridge Nickel Mines Limited. Work carried out included 7 holes drilled for 1,102 feet and a dip needle survey.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

+Reports of Minister of Mines, British Columbia: 1962, pp. 100-103<sup>+</sup>; 1963, p. 101; 1965, p. 230; 1968, p. 102.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 215.

Muller, Northcote, and Carlisle; Geology and Mineral Deposits of Alert-Cape Scott Map-area; Paper 74-8, p. 62, Geol. Surv. of Canada, 1974.

Stevenson, John S.; Geology and Mineral Deposits of the Zeballos Mining Camp; Bulletin No. 27, pp. 125-128, British Columbia Dept. of Mines, 1950.

Hoadley, J.W.; Geology and Mineral Deposits of the Zeballos-Nimpkish Area, Vancouver Island; Memoir 272, p. 68, Geol. Surv. of Canada, 1953.

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

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 4-1974, Alert Bay-Cape Scott, (Geol.), Sc. 1:250,000 - accomp. Paper 74-8, Geol. Surv. of Canada, 1974.

#Sheet 92 L (MI), Alert Bay, Revised Mineral Inventory Map, Sc. 1:250,000, British Columbia Dept. of Mines, 1969.

Fig. 2, Zeballos Mining Camp, Areal Geology, Sc. 1":1,600 feet - accomp. Bull. No. 27, British Columbia Dept. of Mines, 1950.

\*Map 92 L/2, Woss Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By  
Comp./rév. par

LJ

Date  
Date

12-76