

PRODUCT PRODUIT	ZINC	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 92 L/6 RÉGION DU S.N.R.C.	REF. RÉF.	Zn 2
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

PILGRIM (PEARLESS), CATHERINE

OBJECT LOCATED
OBJET LOCALISÉ

Catherine Crown-grant (lot 2034)

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 50°25'45" Long. 127°23'35"

Mining Division
Division minière

Nanaimo

District
District

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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Mesozoic crystalline limestone of the Vancouver group is intruded by aplite, quartz porphyry and basic dykes. One showing consists of about 8 feet of pyrrhotite, sphalerite, arsenopyrite and a little galena with calcite and quartz replacing limestone adjacent to a quartz porphyry dyke. A rough banding in the mineralization suggests a low north-east dip.

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

The property is located on the southeast side of the Marble River, between Alice and Victoria Lakes, about 20 miles south of Port Hardy.

The Peerless claim, staked adjoining the Amazon claim of the June property (92 L/6, Cu 2) was owned in the period 1903-1906 by Julian Sutro, of Quatiso. Assessment work was done in a large open cut. The claim was apparently Crown-granted as Lot 191 and subsequently cancelled.

The Pilgrim claim (Lot 2035), a restaking of the Peerless ground, was owned in 1916 by Henry Sherberg, of Quatsino. Additional open cutting was reported at that time. The Consolidated Mining and Smelting Company of Canada Limited is reported to have drilled the property prior to 1929 but failed to obtain satisfactory results at depth.

The Catherine claim (Lot 2034), adjoining the Pilgrim claims on the southeast, was Crown-granted to F.G. Patterson in 1943. Nothing further was reported until 1969, by which time the above claims had become part of a large group held by Alice Lake Mines Limited. Work in 1969-70 included ground and air-borne magnetometer surveys and extensive diamond drilling, mainly on the P Fraction (Pilgrim) claim.

By an agreement of July 1973, Alice Lake Mines granted to Zeballos Development Company Ltd., a wholly owned subsidiary of Ponderay Exploration Company Ltd., a lease for 5 years, commencing September 15, 1973, on 56 claims, including the Catherine Crown-grant and the P Fraction (Record No. 18975). Percussion drilling, blasting, and open pit preparation were carried out, mainly on the Catherine and P Fraction claims. Reserves were reported by L.J. Seiga (1974) as proven, 50 000 tons averaging 8.7% zinc, and 0.95 ounce silver per ton; probable, 51,000 tons to a depth of 50 feet; the reserve is mainly on the P Fraction claim (Alice Lake Mines, Statement of Material Facts, 24/81). A production lease was issued in January 1975 but the company failed to bring the property into production due to lack of funds.

Joe Iwasenko and associates acquired an option on the Catherine claim. They sub-optioned the claim in September 1977 to Consolidated Exploration Company Ltd. and in February 1978

(con't card 2)

511429

Associated minerals or products
Éléments ou produits associés

Lead, silver, gold

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+Gunning, H.C.; Geology and Mineral Deposits of Quatsino-Nimpkish Area, Vancouver Island; Summary Report 1929, Pt. A, p. 138, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia: 1903, p. 202; 1906, p. 200; 1916, p. 342++.

Geology, Exploration and Mining, British Columbia Dept. of Mines: 1969, p. 207.

Mineral Policy Sector; Corporation Files: "Alice Lake Mines Limited"; "Zeballos Development Company Ltd."; "Astra Resources Ltd."; "Ican Resources Ltd.".

Lorimer, M.K.; Engineering Report on the Alm Group (includes Pilgrim claim), 24/08/80, in Alice Lake Mines Statement of Material Facts 24/81.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 255 A, Quatsino-Nimpkish Area, (Geol.), Sc. 1": 2 miles - accomp. Summary Report 1929, Pt. A.

Map 1737 G, Alice Lake, (Aeromag.), Sc. 1": 1 mile. (1963)

#Map 92 L/6, Alice Lake, (Topo.), Sc. 1: 50 000.

Alm Group, Claim map, Sc. 1: 20 000, Map 2 - accomp. rept. by Lorimer.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	06-88						

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HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

to Astra Resources Ltd.; the latter carried out a magneto-meter survey and broke and stockpiled approximately 3,000 tons of mineralized rock before abandoning the option.

Reserves on the Catherine claim were reported as 3630 tonnes at 0.69 g/mt Au, 34.28 g/mt Ag, 12.7% Zn (BCDM, Mineral Deposits Map, May 1984). Iwasenko and associates in May 1979 incorporated Ican Resources Ltd. to acquire the the option; the Catherine claim was subsequently purchased. Establishment of a survey grid and metallurgical studies were reported in 1980.