

PRODUCT COPPER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 E/1
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

PATHFINDER & LITTLE BERTHA

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°11'30"

Long. 118°24'45"

Mining Division Greenwood
Division minière

District
District

Similkameen

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

Alwin Mining Company Ltd.,
311 - 850 West Hastings St.,
Vancouver 1, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The contact between granodiorite of the Nelson intrusions to the north and the Anarchist group of Palaeozoic limestones, greenstones, and greywackes to the south trends easterly across the property. A northerly trending fault has exposed to the east the underlying paragneiss, minor crystalline limestone and pegmatite of the Monashee and Grand Forks groups.

The Little Bertha deposit occurs in a quartz vein in the granodiorite. The vein, from a fraction of an inch to 4 feet in width, is mineralized with pyrite and galena carrying values in gold and silver.

The Pathfinder deposit consists of 4 distinct parallel veins cutting the sedimentary rocks, which are here intruded by dykes. The veins, from 8 to 21 feet in width, are mineralized with pyrrhotite and chalcopyrite in a highly siliceous gangue; the mineralization is considered to occur partially as a replacement of the enclosing sedimentary rocks.

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

This property covers a number of old Crown-granted claims extending eastward from the Granby River for about 1½ miles at a point 14 miles north of Grand Forks.

The Pathfinder claim (Lot 782) was located by Messrs. Parkinson and Pfeifer in 1895 and Crown-granted to the Pathfinder Mining, Reduction and Investment Company Ltd. in 1897. Early development work consisted of 3 shafts totalling 337 feet interconnected by some 800 feet of crosscuts and drifts.

The Little Bertha claim, originally owned by A.T. Kendrick, was developed by a 40 foot shaft and 250 feet of tunnelling by 1905. Bertha Consolidated Gold Mining Company Limited, incorporated in February 1907, apparently held the claim for a number of years.

In 1917 a new company, Pathfinder Consolidated Mining Company, was formed to work both the Pathfinder and Little Bertha claims; the Iron Bell and Derby claims were subsequently added to the company holdings. Intermittent work by the company was confined to the Little Bertha claim where a crosscut adit was begun in 1919; by 1932 the adit had been extended to 1,000 feet. Lessers worked the Little Bertha claim during the period 1937-39.

Alwin Mining Company Limited, incorporated in April 1964, acquired 46 claims covering the showings.

Aries Resources L in 1980.

Alwin Mining Co. Ltd. 27/10/80

*New Lady GML - (GCML 11/00/55, 72)
Core Boundary & expl. option.*

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1899-1916, 264 tons of ore were shipped from the Pathfinder claim. From this ore 24 ounces of gold, 130 ounces of silver, and 5,136 pounds of copper were recovered.

From 1900-1939, 966 tons of ore were shipped from the Little Bertha claim. From this ore 426 ounces of gold, 3,867 ounces of silver, 65 pounds of copper, and 861 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Dept. of Mines, B.C.: 1897, p. 597; 1899, pp. 759-760; 1901, p. 1064; 1905, p. 186; 1919, p. 164; 1924, p. 164; 1928, p. 238; 1932, p. 124; 1937, p. D 32; 1939, p. 91.

Mineral Policy Sector; Corporation Files: "Pathfinder Consolidated Mining Co."; "Alwin Mining Company Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 6-1957, Kettle River, B.C., (Geol.), Sc. 1":4 miles.

Map 749 G, Aeromagnetic Survey adjacent to the Forty-Ninth Parallel, Sc. 1":4 miles.

Mineral Reference Map No. 6, (Surveyed Claims), Sc. 1":1 mile, B.C. Dept. of Lands, 1932.

Map 82 E/1 W, Grand Forks, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	04-63						