

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 82 F/9
RÉGION DU S.N.R.C.

REF. AG 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

WARHORSE (BOY SCOUT)

OBJECT LOCATED - adit.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°33'50"
Lat.

Long. 116°11'10"
Long.

Mining Division Fort Steele
Division minière

District
District

Kootenay

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

The property is underlain by intensely sheared Precambrian argillaceous quartzite of the Aldridge Formation, which is intruded a short distance to the northeast of the showings by a Mesozoic (?) pegmatite stock a mile or so in diameter.

The showings occur in a broad shear zone striking N50°W and dipping 60-65°SW. The portal of the lower adit is in a zone of fissuring and shearing about 55 feet wide. The mineralization occurs in quartz veins and lenses up to 3 feet in width. The veins are well mineralized with galena, sphalerite, pyrite, and, in places, arsenopyrite; some siderite occurs in the gangue. The ore is said to carry only small amounts of gold and silver. The veins pinch and swell rapidly and are interrupted by faults, and as a result the lenses exposed are short. Some good grade mineralization is present in places in the veins, but no long, continuous stretches of well-mineralized vein matter have been found.

Associated minerals or products
Minéraux ou produits associés

- Lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located between elevations of 4,000 and 6,500 feet on the southeast side of Hellroaring Creek, 3 miles south of St. Mary Lake and 12 miles southwest of Kimberley.

The showings were reportedly staked in about 1895 and development work prior to 1910 was done in two adits, one of which was on the Iron Duke claim. The property was owned in 1915 by N.A. Wallinger and associates. In 1920 A.H. Mayland of Calgary acquired an interest in the property. Four claims were Crown-granted in 1925, the Warhorse (Lot 13077) to Messrs. Wallinger, Bennett, and Mayland, and the Hope, Granite, and Faith (Lots 13078-13080 respectively) to Mayland. The property was known from about 1926 as the Boy Scout group. Development work, financed by Mayland and associates, was begun in a new (No. 3) adit in 1926 and continued into 1930. Cranberra Mines, Limited was incorporated as a private company in January 1930 by Mayland and associates to develop the property. When work ceased in 1930 the No. 3 adit had been driven as a crosscut for 340 feet and drift for more than 500 feet, with crosscuts near the face driven 70 feet northeast and 50 feet southwest. The old No. 1 adit had been driven to a length of about 160 feet. The No. 2 adit was driven in the footwall of the vein for most of its 300 foot length, with four crosscuts extending into the hangingwall.

Staple Mines and Minerals Limited held an option on the property during the first half of 1949 but no work was reported. Lake Expanse Gold Mines, Limited optioned the property from R. Bennett of Cranbrook late in 1949. Surface diamond drilling was carried out on the Warhorse claim.

Thomas Consolidated Mines, Inc., of Spokane, optioned the property late in 1950. Development work began in 1951 in a new 4,550 elevation adit, about 700 feet vertically below No. 1 adit. By 1956 a total of 4,084 feet of drifting and cross-cutting, and 1,637 feet of diamond drilling had been carried out in the new adit. Work ceased at the end of July 1956.

St. Mary's Silver Lead Ltd. was incorporated in September 1965 to acquire the property. The company name was changed to Hellroaring Silver Lead Ltd. in November 1965, and to St. Mary's Mines Ltd. in April 1968. Work by previous operators had indicated approximately 25,000-30,000 tons at 6% Pb, 8% Zn, 5.0 ozs/t Ag. (NM 30/12/65). In 1969 the company carried out 2,000 feet of surface diamond drilling in 11 holes.

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa
121224

Reports of Minister of Mines, British Columbia:

1915, p. 112; 1924, p. 186; 1925, p. 449;
 1926, p. 243; 1927, p. 267; 1929, p. 297;
 1930, p. 241; 1949, p. 196; 1950, p. 155;
 1951, p. 181+; 1952, p. 196; 1953, p. 147;
 1954, p. 145; 1955, p. 68; 1956, p. 108.

⁺⁺Rice, H.M.A.; Nelson Map-Area (East Half), British
 Columbia; Memoir 228, p. 71, Geol. Surv. of Canada,
 1941.

⁺⁺⁺Leech, G.B.; Preliminary Map of St. Mary Lake, British
 Columbia; Paper 52-15, p. 6, Geol. Surv. of Canada.

Mineral Policy Sector; Corporation Files: "Staple Mines
 and Minerals Limited"; "St. Mary's Mines Ltd.".

Geology, Exploration and Mining; British Columbia Dept.
 of Mines: 1969, p. 346.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 603 A, Nelson (East Half), (Geol.), Sc. 1":4 miles -
 accomp. Memoir 228.

#Preliminary Map 52-15 A, St. Mary Lake, (Geol.), Sc. 1:
 40,000 - accomp. Paper 52-12.

Map 8473 G, St. Mary Lake, (Aeromag.), Sc. 1":1 mile.

*Map 82 F/9, St. Mary Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	4-80						