

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

ST. PATRICK

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Division minière	Slocan	District District	Kootenay
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

Cumberland Mining Company Limited,  
204, 569 Howe St.,  
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Rocks at the mine are grey and green fine-grained mica schists, and fine-grained limestones, of the Index formation of Late Precambrian age. In the schists the dominant schistosity strikes N15 to 25°W and dips very steeply east. The limestones have been folded on axes which plunge N10°W at 10 to 15 degrees. The rocks are highly contorted and are cut by a number of faults or shear zones dipping steeply to the east and striking mainly between north and northwest. Where followed by the workings the fault zone consists of a few inches to a few feet of crushed and sheared rock. Mineralization occurs as scattered lenses along the fault and as a replacement of limestone. It consists of fine- to medium-grained galena and sphalerite in a gangue of fine-grained siderite. The replacement mineralization has been found where a strong shear zone, which is also mineralized, transects a layer of limestone near the crest of a fold. The limestone is contorted, but in general has a low dip to the north corresponding to the plunge of the fold. It is somewhat micaceous and is cut by a poorly developed cleavage. Replacement of the limestone by siderite, sphalerite, and galena has taken place both along the cleavage and the layers within the limestone. The replacement mineral-

Associated minerals or products - Silver, zinc. p.t.o. ....

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

This property is located at the 3,900 foot elevation on the northwest side of Hamill Creek, opposite the mouth of Clint Creek.

Four claims, the St. Patrick, Regina, Flora, and Marie, were owned and under intermittent development by J. Brochier and A. LeBlanc from about 1912. The British Alberta Mining Company, Limited optioned the property in 1917 and exploration and development work was carried on into 1919 when the option was dropped. The owners continued intermittent work on the property until about 1930. Monarch Investments, of Vancouver, is reported to have held the property during 1933. Lessees worked the property in 1937-38.

No further activity was reported until 1950 when Hamill Silver-Lead Mines, Limited acquired the mine and began to rehabilitate the workings. The company completed a raise connection to the shaft from the adit below. Further work by the company, in the period 1952-1954, consisted mainly of surface prospecting by open cutting and bulldozer stripping. The company name was changed in 1958 to New Hamill Silver-Lead Mines Limited.

The workings consist of an inclined shaft at the 4,045 foot elevation, and an adit at the 3,880 foot elevation. The adit contains more than 1,000 feet of drifts and crosscuts, one short raise and sublevel, and a 66 foot deep winze.

In 1966 Cumberland Mining Company Limited acquired the property.

*Blue Lake Resources Ltd GCML 6/11/84*

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1919 to 1938 inclusive 42 tons of ore were shipped from this property. From this ore 1,227 ounces of silver, 30,792 pounds of lead, and 14,789 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Fyles, James T.; Geology of the Duncan Lake Area, Lardeau District, British Columbia; Bulletin 49, p. 79, British Columbia Dept. of Mines & Petroleum Resources, 1964.

Gunning, H.C.; Lardeau Map-Area, British Columbia; Memoir 161, p. 50, Geol. Surv. of Canada, 1930.

Annual Reports, Dept. of Mines, B.C.: 1912, p. 147; 1922, p. 192; 1950, p. 151; 1951, p. 179; 1952, p. 193; 1953, p. 147; 1954, p. 144.

Mineral Policy Sector; Corporation Files: "New Hamil Silver-Lead Mines Limited"; "Cumberland Mining Company Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Geological Map of Duncan Lake Area, B.C., Sc. 1":1 mile - accomp. B.C. Dept. of Mines Bulletin 49.
- Map 235 A, Lardeau Area, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 161.
- Map 82 K/2 W, Lardeau, B.C., (Topo.), Sc. 1:50,000.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

ization extends for about 30 feet east from the mineralization occurring along the shear zone. This shear zone is mineralized in two lenses: one has a width of as much as 4 feet and a strike length of about 50 feet; the other lens, 70 to 100 feet to the north, has a maximum thickness of 2½ feet.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date	04-67						