

PRODUCT
PRODUIT LEAD

PROVINCE OR
TERRITORY PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA 82 F/15
RÉGION DU S.N.R.C.

REF. Pb 15
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

KIRBY

OBJECT LOCATED
OBJET LOCALISÉ Kirby claim (Lot 13007)

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°46'10"

Long. 116°51'

Mining Division
Division minière Slokan

District
District

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

Mid Cambrian Index Formation quartzites and schists of the Lardeau Group are cut by granitic and lamprophyre dykes. Three bedded veins in schist are connected by a series of connecting fissures, cutting across the strike of the sediments. The veins consist of fractured host rock, quartz and calcite rhodochrosite. Pyrite, arsenopyrite, sphalerite and galena are sparse except for local concentrations of about 10 percent combined lead-zinc. Several of the crosscutting fissures are mineralized with galena, sphalerite and ruby silver in quartz. Two samples of lead-zinc-silver minerals in a gangue of quartz and rhodochrosite contained 3.57 and 13.70 percent manganese, on analysis by Mines Branch, Ottawa.

Associated minerals or products
Minéraux ou produits associés

Zinc, silver, manganese

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

The property is located on the east shore of Kootenay Lake, at the north edge of the community of Riondel and adjacent to the Bluebell mine claims.

The Kirby group of 7 claims, and fractions (Lots 13007-13013) was staked by A.J. Curle, of Kaslo, in 1919. Work on the showings to 1921 included a 55 feet crosscut and about 100 feet of drifting on the footwall of the main vein. Where intersected by the crosscut, the vein consisted of 10 feet of sparsely mineralized quartz with a narrow band of ore on the hangingwall and small bunches and stringers of galena on the footwall. The claims were Crown-granted to A.J. Curle, W.T. Kirby and R.V. Guthrie in 1922. The owners incorporated The Shepherd Mining Company, Limited in December 1922. A new low level crosscut adit, driven from near the lake shore, reached bedrock at 745 feet and was continued to 1 000 feet, cutting a vein at 900 feet and a stronger vein at 1 000 feet; the latter was drifted on for about 750 feet, connecting with a shaft to surface. The last reported work by the Company was in 1926.

121593

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 9 tons of ore shipped in 1920, 243 ounces of silver and 3 919 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1919, p. 152; 1920, p. 120; 1921, pp. 131, 169; 1922, pp. 189, 354; 1923, p. 209; 1924, p. 188; 1925, p. 233; 1926, p. 258.

* Gunning, H.C.; Kirby; Summary Report 1928, Pt. A, p. 134, Geol. Surv. of Canada.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1926, Rept. 643, pp. 22-24 (No. 206).

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geological Map of the Riondel Area, Sc. 1 cm: 0.5 km, accomp. Bull. 73, BC Dept. of Mines, 1980.

#Map 82 F/15, Kaslo, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-87						

BCI 82 F/NE-121