

NAME OF PROPERTY HARTNEY
 NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - Hartney claim (Lot 4864).
 OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 49°58'40"	Long. 117°19'30"
Mining Division Slocan 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 Triassic and (?) Lower Jurassic Slokan Group rocks comprising massive argillites and pyritic, carbonaceous, slaty sediments. A vein which varies in thickness from 1 inch to 2 feet strikes nearly east and dips steep south but locally has reverse dip. Vein filling consists of galena, sphalerite and minor pyrite in a gangue of quartz, calcite, siderite and crushed wall-rock. Cassit-erite is reportedly associated with the sphalerite.

Three samples were taken in 1946 at the west end of a stoped area. The footwall, 6" on the west face of a small stope, assayed: Silver, 8.3 oz per ton; lead, 3.1 per cent; zinc, 33.7 per cent; cadmium, 0.49 per cent; tin, 0.08 per cent. The succeeding 5 inches at the same point assayed: Silver, 10.7 oz per ton; lead, 4.2 per cent; zinc, 31.3 per cent; cadmium, 0.21 per cent; tin, 0.07 per cent. A third sample taken 20 feet to the east across 18 inches assayed: Silver, 1.6 oz per ton; lead, 0.36 per cent; zinc, 9.5 per cent; cadmium, 0.06 per cent; tin, 0.04 per cent.

Associated minerals or products - Silver, zinc, cadmium, tin.
 Minéraux ou produits associés

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

The property is located at 4,500' elevation on the east side of Slokan Lake 2 miles southeast of New Denver.

The showing was discovered in 1897. Seven claims, the Hartney, August Flower, Edith, Hunter, Hub & Hub, Edith Fr. and Kingston (Lots 4864, 4865, 4867-4871 respectively) were Crown-granted in 1902 to John MacMaster. Development work to 1906 was in 5 adits totalling 1,500' of drifts and crosscuts and 510' of raises and winzes. Work in 1906 was under the name Hartney Group Mines Company. Lessees worked the property intermittently in the period 1907-1917. In the 1930's the property was owned by T. Avison, of New Denver.

Santiago Mines, Limited held the property in 1946. The two lowest adits were re-opened and sampled. New Santiago Mines Limited was incorporated in January 1951 to acquire the holdings of the former company.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1900-1917, 282 tons of ore were shipped from this property. From this ore 16,809 ozs silver, 180,506 pounds of lead and 17,417 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1899, p. 688; 1900, p. 827; 1902, pp. 148, 299; 1906, p. 249; 1907, p. 214; 1912, p. 322; 1913, p. 420; 1914, p. 510; 1917, p. 448; 1937, p. E 55; 1946, p. 165+.

++Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp, British Columbia; Mem. 184, p. 51, Geol. Surv. of Canada, 1935.

Mines Branch, Ottawa; Report of the Commission Appointed to Investigate the Zinc Resources of British Columbia and the Conditions Affecting their Exploitation; Rept. No. 12, pp. 208, 209, 1905.

The Canadian Mining and Metallurgical Bulletin, October 1946, p. 593.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1090 A, Nelson (West Half), (Geol.), Sc. 1":4 miles - accomp. Memoir 308, Geol. Surv. of Canada.

#Map 82 F/14, Slocan, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	07-85						