

PRODUCT SILVER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/14
RÉGION DU S.N.R.C.

REF. AG 37
RÉF.

NAME OF PROPERTY BOSUN
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - Boatswain claim (Lot 3112).
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 49°58'10" Lat.	Long. 117°21'40" Long.
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 impure quartzite and slate and minor limestone of the Triassic and (?) Lower Jurassic Slocan Group. Vein matter occupies a fracture that strikes about N60°E and dips 35° to 65°SE. The vein is discontinuous, varying in width from a few inches to more than 5 feet. It is difficult to follow due to a poorly defined footwall, slips or faults leading off into the hanging wall, numerous small irregularities and cross faulting. Three main ore-bodies, designated the West, Central and Third were mined. Mineralization included galena, sphalerite, tetrahedrite, ruby silver, native silver and a little chalcopyrite in a gangue of quartz, siderite and a little calcite. Santiago Mines reported assays in tin (cassiterite) associated with the sphalerite. Samples from No. 7 level indicated the presence of 0.23% tin.

Associated minerals or products - Lead, zinc, gold, 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 on the east side of Slocan Lake about 1.5 miles south of New Denver.

Showings discovered in 1898 were staked as the Fidelity and Fidelity Fr. claims; the Fidelity (Lot 2411) was Crown-granted to F.L. Byron and associates in 1898. Development work in several adits and a shaft was carried out under the name Fidelity Mining Company.

Adjacent showings, staked as the Tyro, Botswain Fr. and Tyro Fr. (Lots 3111-3113 respectively), were Crown-granted to the North-West Mining Syndicate in 1899. The Bosun Mines, Limited, incorporated in England to consolidate the above companies, was registered in B.C. in 1899. The Fidelity Fr., Cracker Jack and Broken Lock (Lots 3748, 3747 and 3735) were Crown-granted to Bosun Mines in 1900. Operations continued into 1903 when development work totalled some 3,600' of drifts, crosscuts and raises in 5 adits and a 75' shaft.

Roseberry Surprise Mining Company, Limited was incorporated in November 1917 to acquire the Bosun property and others in the same area. The company owned a mill at Rosebery, some 4 miles up the lake, and Bosun ore was milled there in 1918-19. Development work continued into 1928 and included the No. 6 (Main) level driven 3,000' from the lake shore, and a 140' inclined winze sunk at 2,730' from the portal to establish No. 7 level.

The property was purchased by Colin Campbell, of New Denver, in 1928. Lessees continued intermittent operations in various areas of the mine until 1943.

Santiago Mines, Limited acquired the property in 1945. Development work in the lower levels included a winze from No. 7 level to establish No. 8 level. New Santiago Mines Limited was incorporated in January 1951 and development work continued from November to mid 1953. Lessees continued to explore and mine ore remnants in various areas of the mine into 1959 and in 1963. In 1970 the company name (New Santiago) was changed to Santico Mining and Exploration Ltd. In 1982 the company amalgamated with Heather Resources Inc under the latter name.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1898 to 1962, 69,660 tons of ore were shipped from this property. From this ore 102 ozs gold, 1,942,421 ozs silver, 10,812,954 pounds of lead, 6,901,471 pounds of zinc, and 1,036 pounds of cadmium were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1898, pp. 1074, 1190; 1899, pp. 688, 842; 1900, pp. 828, 983; 1901, p. 1026; 1902, p. 149; 1903, p. 136; 1904, p. 180; 1905, p. 160; 1917, p. 158; 1918, p. 169; 1920, pp. 124, 127; 1921, p. 136; 1923, p. 227; 1924, p. 197; 1925, p. 245; 1926, p. 254; 1927, p. 276; 1928, p. 293; 1929, p. 315; 1930, p. 251; 1935, p. E 35; 1936, p. E 52; 1938, p. E 43; 1946, p. 164++; 1947, p. 170; 1948, p. 145; 1950, p. 147; 1951, p. 174; 1952, p. 177; 1953, p. 141; 1955, p. 64; 1956, p. 96; 1957, p. 56; 1958, p. 47; 1959, p. 70; 1962, p. 83.

+Little, H.W.; Nelson Map-Area, West Half, British Columbia; Mem. 308, p. 134 and Fig. 9, Geol. Surv. of Canada, 1960.

Cairnes, C.E.; Description of Properties, Slocan Mining Camp, British Columbia; Mem. 184, pp. 20-23, 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; Report No. 12, pp. 209-213, 1906.

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

Mineral Policy Sector; Corporation Files: "Roseberry Surprise Mining Company, Limited"; "Santiago Mines, Limited"; "Santico Mining and Exploration Ltd".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Map 1667, Slocan Mining Area, Sc. 1":1 mile, Summary Report 1916, 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						