

NAME OF PROPERTY

SILVER CUP

OBJECT LOCATED - Silver Cup claim (Lot 768).

UNCERTAINTY IN METRES 300.

Lat. 50°38'10" Long. 117°21'55"

Mining Division Revelstoke

District Kootenay

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The property is underlain by Palaeozoic and/or (?) Earlier phyllites and phyllitic tuffs of the Index Formation and grey and black siliceous argillite of the Triune Formation. These Formations are involved in several tight crests of the northwest plunging Silvercup anticline. The Silver Cup mineralized zones are almost all in a thin basal member of the Triune formation and lie close to one of the tight crests. The mine has developed four orebodies, known as the Silver Cup, Blind, Sunshine, and Sunshine Cross-lead. The Silver Cup and Sunshine lie in a shear zone that either follows bedding or traverses it at a very slight angle to the right. It dips northeast at an average angle of 65 degrees. The Blind orebody lies in a similar shear zone about 50 feet in the footwall of the first. The Silver Cup and Blind orebodies are side by side and the Sunshine 1,200 feet northwest of them. The Sunshine Cross orebody is just northwest of the Sunshine orebody, restricted to tuff in the hanging-wall of the slate, and is essentially a fissure vein striking north and dipping about 70° east.

see Card 2

Associated minerals or products - Gold, lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at approximately 6,500 feet elevation at the head of Cup Creek, a tributary of Lardeau Creek, some 8 miles east of Trout Lake village. The Towser claim (82 K/11, AG 4) adjoins to the northwest.

The showings were discovered in about 1890 and mined almost continuously from 1893 to 1913. The Silver Cup claim (Lot 768) was held by Messrs. Holden, Downs and Walker in 1893 and by Farrell & Dunn of Vancouver in 1895. The claim was Crown-granted during the year. The Sunshine claim (Lot 1564) was optioned in 1895 by the Lillooet, Fraser River and Cariboo Gold Fields Co. Ltd. A subsidiary company, Sunshine, Limited, was registered in British Columbia in 1897 to develop the Silver Cup group comprising the Silver Cup, Sunshine, Excelsior, Mountain, and 4 fractional claims. Development work was done in a 183 foot shaft on the Silver Cup and in adits. High grade ore was sorted and transported to the wagon road at Ninemile by an 8,000 foot tramline.

The Silver Cup Mines, Limited was incorporated in 1902 to acquire the property. A 20 stamp mill was built at "5 mile" on Lardeau Creek and a second tramline installed. The Ferguson Mines, Limited was incorporated in March 1904 to continue the operation. During 1904-05 an unsuccessful attempt was made to mill some of the lower grade ore. Development and mining operations continued until March 1913. The workings at that time totalled approximately 12,000 feet of openings. The mine had been developed by 4 adit levels, Nos. 3, 4, 7 and 8, nine internal levels and connecting shafts and raises. No. 7 traverses both the Sunshine and Silver Cup ore structures and is connected with No. 4 level by a raise. From No. 7 an internal shaft descends five more levels to a point 1,200 feet below the outcrop of the Silver Cup orebody. No. 8 is not connected with any other workings. The ore above No. 7 level was largely mined out. Lessees operated intermittently until 1921. The mine lay idle except for some rehabilitation work in 1928 when the property was under option to Hon. W.C. Shelly.

Ferguson Mines, Limited reopened the mine in 1936. A new operating company, Silver Cup Mining & Milling Company, Limited was incorporated in January 1937. A 35 ton-per-day flotation mill was built at the Towser property and some of the lower-grade ore on the dumps was milled in 1937 by the company and in 1941 by lessees.

see Card 2

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

510160

HISTORY OF PRODUCTION

From 1895 to 1941, 22,544 tons of ore were shipped from this property. From this ore 4,978 ounces gold, 1,419,339 ounces silver, 5,684,204 pounds of lead, and 110,447 pounds of zinc were recovered.

In 1974, 107 tons of dump ore was shipped from the Silver Cup and/or Towser property. From this ore 44 ounces gold, 5,238 ounces silver, 1,070 pounds of copper, 67,101 pounds of lead, and 9,388 pounds of zinc were recovered.

MAP REFERENCES

Geological Map of the Ferguson Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 2, Sheet B, and Geological Map of the Silver Cup Mine, Sc. 1":200 ft., Fig. 11 - accomp. Bulletin No. 45, British Columbia Dept. of Mines.

Map 235 A, Lardeau, (Geol.), Sc. 1":4 miles - accomp. Memoir 161.

#Map 82 K/11 W, Trout Lake, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	9-79						

REFERENCES

+Fyles, J.T. and Eastwood, G.E.P.; Geology of the Ferguson Area; Bulletin No. 45, pp. 75-78, British Columbia Dept. of Mines, 1962.

++Gunning, H.C.; Lardeau Map-Area, British Columbia; Memoir 161, pp. 63-65, Geol. Surv. of Canada, 1930.

Brock, R.W.; The Lardeau District, British Columbia; Annual Report Vol. XV, 1902-3, Report No. 866, pp. 66-68, Geol. Surv. of Canada.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; Investigation No. MD 2898, 1952.

Reports of Minister of Mines, British Columbia:
 1893, p. 1049; 1895, p. 693; 1896, p. 542; 1897, p. 548; 1898, p. 1065; 1899, p. 681; 1900, pp. 815-817, 822; 1901, p. 1018; 1902, p. 140; 1903, pp. 116-120, 124; 1904, p. 116; 1905, p. 153; 1906, p. 137; 1907, p. 92; 1908, p. 100; 1909, p. 116; 1910, p. 101; 1911, p. 154; 1912, p. 151; 1913, p. 127; 1914, pp. 290, 301-303; 1915, p. 133; 1916, p. 200; 1917, p. 191; 1920, p. 128; 1921, p. 161; 1928, pp. 314, 435; 1937, p. E 56; 1939, p. 38; 1941, pp. 26, 74; 1951, p. 179; 1952, p. 181; 1966, p. 229.

Mineral Policy Sector; Corporation Files: "Silver Cup Mining & Milling Company, Limited"; "C.T. Explorador Ltd.".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 341; 1970, p. 466; 1971, p. 429; 1972, p. 77; 1973, p. 95; 1974, p. 25; 1976, p. E 50; 1977, p. E 69.

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SILVER CUP

DESCRIPTION OF DEPOSIT (continued)

The Silver Cup and Blind orebodies are short, narrow, and deep, raking steeply northwest. The stoped length of both above No. 7 level is about 250 feet. Ore does not seem to have occurred uniformly over this length, but rather to have been concentrated in a number of parallel ore-shoots ranging in thickness from a few inches to 5 or 10 feet. The Blind orebody was about 1,000 feet deep, apparently terminating above No. 10 level. The Silver Cup orebody appears to have been at least 1,200 feet deep, possibly with a barren section at No. 11 level. Many cross fissure veinlets of quartz, some well mineralized, occur on both sides of both orebodies. The mineralized zones consisted of rock fragments, quartz, pyrite, sphalerite, galena, less tetrahedrite, and minor chalcopyrite and carbonates. Ruby silver is said to have been found in the upper workings.

The Sunshine orebody is reported to have comprised two ore-shoots, 10 and 25 feet long, extending from the surface to No. 7 level, a depth of about 200 feet. The Sunshine Cross-orebody is unique in the Silver Cup mine area in striking north and being confined to the tuff. It is exposed in No. 7 adit about 250 feet from the portal.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

In 1952 The Granby Consolidated Mining, Smelting and Power Company, Limited, under terms of an agreement with Yellowknife Bear Mines Limited which had optioned the property in 1951 from Ferguson Mines, Limited, rehabilitated No. 7 level, unwatered the shaft briefly to No. 10 level, and diamond drilled ten holes from No. 7 level. The option was dropped. The property was owned in about 1960 by H.E. Jacques and J.E. La Fleur, of Vancouver. In 1966 Reuben Bond, of Vancouver, and associates from Los Angeles, acquired an option to purchase the property from E.C. Wragge, of Nelson. Work was directed towards producing a bulk concentrate from the old dumps by means of a gravity concentrator.

Silver Dawn Mines Ltd. acquired the property and during 1969-71 sampled the upper levels and the old tram terminus dump and shipped about 150 tons of dump rock from the mine. The dumps had been largely removed by previous operators who left only low-grade material. Activity during 1972 by Pandora Management Ltd., of Ferguson was directed towards pipeline construction to transport crushed dump rock to the vicinity of Lardeau Creek. Chandler Murphy Resources & Development Inc. shipped a small amount of ore in 1974.

C.T. Exploranda Ltd. acquired the Silver Cup, Towser, and Yuill (82 K/11, AG 5) properties in 1976. Old mine dumps were estimated to contain 47,300 tons averaging 7.37 ozs/ton silver, 0.04 oz/ton gold, 1.20% lead, and 1.07% zinc (NM 19/05/77). Work during 1977 included a geochemical soil survey (60 samples) and trenching.