

NAME OF PROPERTY

PARADISE

OBJECT LOCATED - 7,700 level adit.

UNCERTAINTY IN METERS -100. Lat. 50°28'20" Long. 116°18'

Mining Division Golden District Kootenay

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The ore zone is in grey siliceous magnesian limestone of the Mount Nelson formation. The limestone is shattered and lies in a small, closed anticlinal fold on the eastern limb of a major fold. The strike of the axis of the anticline is about north-west. The ore zone is near the upper contact of the limestone with overlying slates and is found in fracture zones on the lower levels. The main zone or series of orebodies rakes 15 to 20 degrees to the southeast, and a second zone rakes at about 15 degrees to the northwest. The ore from the upper levels is highly oxidized and consists mainly of lead carbonate; in places, however, it contains residual fragments of galena. Some sphalerite and pyrite are associated with the galena in places. The ore occurs, as isolated pockets or lenses, in bedded veins and fissures which seem to occupy a comparatively narrow zone in the shattered limestone. Most of the iron and zinc appear to see Card 2

Associated minerals or products of value - Zinc, silver, cadmium, gold.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 8,000 foot elevation at the head of Springs Creek, a tributary of Toby Creek, 12 miles west-southwest of Invermere.

The Parridice, Royal Stag, and Comstock claims were staked in August 1899 on an impressive oxidized showing and development work started immediately. The property was acquired that same year by H.C. Hammond and associates, of Toronto, under the name "Eastern Canadian Syndicate". In 1901 the first ore was rawhided down to Toby Creek and production continued until 1906 when the mine closed. The property had been developed by about 5,000 feet of workings on 3 adit levels and an intermediate level all connected by raises and winzes.

Four claims, the Parridice, Comstock, Royal Stag, and Ptarmigan (Lots 4341-4343, and 4345, respectively) were Crown-granted to H.C. Hammond in 1908.

The mine reopened in 1916 and lower-grade ore was shipped, much of it coming from the dumps. R.R. Bruce, who had been manager for the Hammond interests, bought the property in 1917 from the Hammond Estate and operations continued into 1926. The ore mined to date was all oxidized and consisted typically of "sand carbonate" in which there was only a small proportion of galena in grains or nodules. The ore was so soft that powder was seldom used in stoping, and heavy timbering was necessary. Sulphide ore in any quantity was reportedly first found on the 7,819 and 7,900 levels about 1925; it was of a lower grade than the carbonate ore, and consequently the mine entered a new phase, requiring the development of sufficient ore to warrant erection of a mill.

The Victoria Syndicate, Limited, a subsidiary of The Mond Nickel Company, Limited, of Great Britain, bought the property in 1926 and began development work on the lower levels. Six claims, the Blue Grouse, Last Chance, Silver Cache, Bohunk, Oversight, and Oversight Fraction (Lots 11261-11266, respectively) were Crown-granted in 1927 to J.L. McKay and associates. A mill with a rated capacity of 50 to 75 tons per day, erected about 400 feet below the lower adit, was brought into production early in 1928, and see Card 2

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

From 1901-1952 inclusive 71,247 tons of ore were shipped from this property. From this ore 32 ounces of gold, 737,189 ounces of silver, 15,979, 124 pounds of lead, and 7,988,687 pounds of zinc were recovered. Subsequent production totalling several thousand tons during 1955, 1960, and 1964 has not been recorded separately, but included in production from the Mineral King property (82 K/8, ZN 1).

MAP REFERENCES

Map 1326 A, Lardeau, (Geol.), Sc. 1:250,000 - accomp. Memoir 369.

*Map 82 K/8 W, Toby Creek, (Topo.), Sc. 1:50,000.

#Paradise Basin Geology on Air Photo Base; Sc. 1":215 m., Fig. G-1, Geology in British Columbia, 1975, British Columbia Dept. of Mines.

REMARKS

Comp./Rev. By

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Date

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REFERENCES

Walker, J.F.; Geology and Mineral Deposits of Windermere Map-Area, British Columbia; Memoir 148, p. 46, Geol. Surv. of Canada, 1926.

Reesor, J.E.; Geology of the Lardeau Map-Area, East-Half, British Columbia; Memoir 369, p. 113, Geol. Surv. of Canada, 1973.

Hedley, M.S.; Paradise; Report of Minister of Mines, British Columbia: 1949, pp. 196-199.

Reports of Minister of Mines, British Columbia: 1899, p. 666; 1900, p. 804; 1901, p. 1013; 1902, p. 134; 1903, pp. 99-102; 1904, p. 113; 1905, p. 144; 1908, p. 249; 1909, p. 100; 1915, pp. 88-90; 1916, p. 187; 1917, pp. 144, 177; 1918, p. 185; 1919, p. 145; 1920, pp. 109, 138; 1921, p. 124; 1922, p. 183; 1923, p. 199; 1924, p. 180; 1925, p. 221; 1926, p. 239; 1927, pp. 264, 407, 482; 1928, p. 275; 1929, p. 293; 1930, p. 237; 1943, p. 75; 1944, p. 74; 1946, p. 174; 1948, p. 152; 1950, p. 156; 1951, p. 190; 1952, p. 200; 1953, p. 151; 1955, p. 70; 1960, p. 84; 1964, p. 135.

Mines Branch, Ottawa, March 1951, Investigation No. MD 2727, Flotation Tests on Three Samples of Silver-Lead-Zinc Ore from the Paradise Mine.

Geology, Exploration, and Mining; British Columbia Dept. of Mines, 1974, p. 83.

Geology in British Columbia; British Columbia Dept. of Mines: 1975, pp. G7-G11.

Exploration in British Columbia; British Columbia Dept. of Mines: 1980, p. 117.

Mineral Policy Sector; Corporation Files: "Tri Basin Resources Ltd.".

NAME OF PROPERTY

PARADISE

DESCRIPTION OF DEPOSIT (continued)

have been leached out. The ore was so soft that extraction was by pick and shovel, no powder being necessary. The mineralization changed at depth to mainly pyrite in addition to galena and sphalerite, although it is somewhat oxidized in the lower levels.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

7,631 tons was treated before the mill was closed in November. A new company, Paradise Holdings, Limited, was incorporated in November 1929, but all work stopped in 1930.

Sheep Creek Gold Mines, Limited, bought the 8 Crown-granted claims in the fall of 1942 and during 1943 and 1944 diamond drilling was done on the portal and inner ore-bodies below 7,800 level. A 50 ton per day mill was built at Jackpine Flat, 7.5 miles by road from the mine, and brought into production in August 1949; the mill operated intermittently until December 1952. The main workings included the 7,819 and 7,900 levels (formerly No. 1 and 2 sublevels), and the 7,800 level (formerly No. 4 level). The No. 2 winze was completed in 1952 to establish the 7,700 level, 150 feet below 7,800 level, and drifting and stoping was carried out. In early 1953 No. 2 winze was deepened to 71 feet below 7,700 level. The mine closed in February 1953. Some mining and exploration work by diamond drilling was carried out in 1955, 1960, and 1964; the ore, several thousand tons, was milled at the Mineral King concentrator. Reserves were reported in 1958 at 40,850 tons averaging 4.6 ounces silver per ton. 5.0% lead, and 9.2% zinc.

Purcell Development Co. Ltd. in February 1974 optioned 12 Crown-granted claims from J.A.C. Ross and G.H. Ross; by a further agreement the company acquired the right for a period of 3 years to remove mill tailings from the Royal Stag claim (Lot 4343). A 200 ton per day concentrator was built near the confluence of Jumbo and Toby Creeks to serve both the Paradise and Mineral King (82 K/8, Zn 1) properties. An attempt was made to treat the mill tailings from the Royal Stag claim, however, an unacceptable concentrate was produced and the project was abandoned. A geochemical soil survey (125 samples) was carried out over 5 line-miles. Reserves were reported at 45,275 tons averaging 1.95 ounces silver per ton, 4.81% lead, and 9.48% zinc. (Northern Miner, April 25, 1974, p. 1).

Tri Basin Resources Ltd acquired the property in 1980 and carried out a program of road construction and sampling.