

NAME OF PROPERTY **BETHSAIDA (TAMARAC)**

LOCATION

Lot. **50°28.8'** Long. **121°04'**

Mining Division **Kamloops** District **Kamloops**

County _____ Township or Parish _____

Lot _____ Concession or Range _____

Sec. _____ Tp. _____ R. _____

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain by quartz diorite of the Lower Jurassic Guichon Creek batholith. The original work on the property was done to explore several parallel east-west trending quartz veins that correspond in strike and dip to the joint planes in the quartz diorite. The work done in 1956 was to explore a westerly striking zone of sheeting 15 to 20 feet wide in which narrow quartz stringers are mineralized with chalcopyrite and molybdenite. Trenching on the eastern side of the property revealed a 5 foot wide inclusion or pendant of quartzite within the quartz diorite; the inclusion is intensely mineralized with disseminated chalcopyrite.

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located at the 5,000 foot elevation on the south side of the Highland Valley, 1½ miles southwest of Quil-tanton (Divide) Lake and 35 miles southwest of Kamloops.

The Tamarac group of 3 claims was owned by Messrs. Leitch, Cargile & associates in 1902. By 1907 the group had been expanded to 7 claims, owned by Dr. Sanson, G. Ward, & associates, of Ashcroft. Exploration work to this time was done in 3 or 4 shafts, each about 25 feet deep. No further activity was reported until 1915 when the Tamarac and the adjoining O.K. property were bonded by the Highland Valley Mining & Development Company, of Spokane. Exploration work at the Tamarac property ceased in 1918. Six claims, including the Tamarac (Lot 1244 A) and Duke (Lot 3641) were Crown-granted to the Sanson estate in 1918. The Ashcroft Copper Company, Limited, which was organized in April 1922, took over the Tamarac and O.K. mines but no work was reported by the company; the company charter was surrendered in 1924.

The Osprey group, consisting of the Osprey and Eagle claims, lay east of and adjoining the Tamarac group. Exploration work on these claims, owned by W.R. Perry in 1915, consisted of open cuts, an inclined shaft, and a 40 foot long crosscut. adit.

Bethsaida Copper Mines Limited, incorporated February 1956, acquired 64 claims surrounding, and including, the six Crown-grants. Exploration work during 1956 included magnetometer and geochemical soil surveys, followed by trenching and approximately 1,500 feet of diamond drilling and 1,000 feet of percussion drilling. Northwestern Explorations, Limited, optioned the property in July 1957 and carried out a geophysical survey. Only weak anomalies were indicated and the option was dropped. The property was idle during the period 1958 to 1962, inclusive. Buttle Lake Mining Company Limited optioned the 6 Crown-grants and 23 located claims in April 1963 and carried out geological mapping.

Valley Copper Mines Limited was incorporated in May 1964 by Cominco Ltd. to amalgamate claim groups held by Cominco, Bethsaida, Buttle Lake Mining, Bethex Explorations and others. Exploration work on the Bethsaida property during the period 1964 to 1967, inclusive, consisted of a geochemical survey, trenching, 6,000 feet of diamond drilling in 12 holes, and 4,500 feet of percussion drilling in 18 holes, all in the vicinity of the old Crown-granted claims.

Associated minerals or products of value - **Molybdenum.**

HISTORY OF PRODUCTION

In 1904, one ton of molybdenum ore was shipped for experimental purposes to a firm in Pennsylvania.

REFERENCES

Reports of Minister of Mines, British Columbia; 1902, p. 194; 1907, p. 136; 1915, p. 280; 1916, p. 265; 1918, p. 474; 1956, p. 45; 1957, p. 27; 1958, pp. 24, 70; 1963, p. 46; 1964, p. 85; 1965, p. 147; 1966, p. 155; 1967, p. 156.

Drysdale, C.W.; Highland Valley Copper Camp, Ashcroft Mining Division; Summary Report 1915, p. 89, Geol. Surv. of Canada.

Walker, T.L.; Molybdenum Ores of Canada; Publication No. 93, p. 52, Mines Branch, Ottawa, 1911.

Eardley-Wilmot, V.L.; Molybdenum; Publication No. 592, p. 32, Mines Branch, Ottawa, 1925.

Mineral Resources Branch; Corporation Files: "Highland Valley Mining & Development Company"; "Valley Copper Mines Limited".

MAP REFERENCES

Preliminary Map No. 7, Sheet 1, Highland Valley Project, (Geol.), Sc. 1":1,320 feet, British Columbia Dept. of Mines.

Geology of the Guichon Batholith, Sc. 1":2 miles (1969) - accomp. B.C. Dept. of Mines Bulletin No. 56.

Map 1010 A, Ashcroft, (Geol.), Sc. 1":4 miles - accomp. Memoir 262, Geol. Surv. of Canada.

Map 5211 G, Spences Bridge, (Aeromag.), Sc. 1":1 mile (1968).

*Map 92 I/6 E, Spences Bridge, (Topo.), Sc. 1:50,000.

REMARKS