

NAME OF PROPERTY KINBASKET (TIMBASKET) (MOGUL)

OBJECT LOCATED Timbasket (L. 1975) and Mogul (L. 1976) claims.

UNCERTAINTY IN METRES 300. Lat. 51°55'00" Long. 118°01'50"

Mining Division Golden District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The underlying rocks are strongly metamorphosed quartz-mica and garnetiferous schists and limestones of the Proterozoic Horsethief Creek Group. The sequence consists of crystalline limestone overlain by quartzite and underlain by metamorphosed black argillite. The quartzite, exposed in the trough of a syncline, is thin bedded, micaceous, and locally garnetiferous. It contains beds of white quartzite high in the sequence and a few tens of feet of garnet mica schist near the base, above the limestone. The limestone is 100 to 200 feet thick and is medium grained, white to light grey, with dark-grey wisps and bands. It is underlain by dark-grey argillite and garnet mica schist, with thin interbeds of dark-grey limestone. The average dip is about 50 degrees southwesterly. The structure is characterized by tight and isoclinal folds complicated by strike faults. Near the lake the fold axes plunge west at 25 to 35 degrees, and away from the lake change to a more northwesterly strike and a lower plunge.

The showings are described in the Annual Report for 1951 as follows:

Associated minerals or products of value - Zinc.

p.t.o.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 3,000 foot elevation on the southwest side of Kinbasket Lake, some 65 miles north of Revelstoke.

A showing of galena in quartz was discovered by prospectors in about 1893 and staked as the Kimbasket and Mogul claims. The Golden and Fort Steele Development Company, Limited Liability acquired the property in about 1898. The claims were Crown-granted to the company in 1900. Development work to that date included trenching, a short adit, and a shallow shaft.

The Timbasket claim was reported to have been Crown-granted to M.H.R. Moodie in 1921.

Kootenay Exploration Limited, incorporated June 1948, acquired 10 claims, including the two Crown-grants. Surface stripping was reported in 1949. The property, expanded to include 26 located claims, was optioned to The Consolidated Mining and Smelting Company of Canada Limited in September 1950. The company carried out detailed geological mapping and exploration of sphalerite and galena replacements of limestone. Diamond drilling was carried out. The option was dropped in December 1951 and the Crown-grants subsequently reverted to the Crown.

DESCRIPTION OF DEPOSIT (continued)

"The original discovery is in quartzite and quartz-mica schist in the apex of a sharp fold surrounded by crystalline limestone estimated to be 100 feet or more thick. Quartz masses roughly follow the bedding but also break across it in the fractured apex of the fold in quartzite. An adit is driven 25 feet to the southwest across the main concentrations of quartz, and a branch 16 feet to the northwest reaches a shaft about 25 feet below the collar. A length of about 40 feet of quartz lenses in quartzite is exposed on the north-westerly limb of the fold, in masses up to 6 feet wide and making up about half the material encountered by the adit. Coarsely cubic galena occurs in masses as much as 2 feet across. Stripping for 100 feet to the northwest shows the same quartz zone about 3 feet wide and containing some galena.

"Limestone in the northwesterly limb of the same fold is acutely dragfolded and appears to terminate in a series of sharp fingers about 1,000 feet northwest of the main fold. Continuity farther to the northwest had not been established, but it is probable that the limestone is greatly thinned by squeezing, and the continuation of it is not readily seen. Replacement by sphalerite and galena occurs over much of this distance, in thin bands up to 3 or 4 inches wide, and in local aggregates of such bands across widths of several feet. Mineralization is apparently concentrated in the dragfold 'fingers.'"

MAP REFERENCES

- Map 12-1964, Big Bend, (Geol.), Sc. 1":4 miles - accomp. Paper 64-32, Geol. Surv. of Canada.
- Map 8496 G, Kinbasket Lake, (Aeromag.), Sc. 1":1 mile.
- #Map 82 M/16 E, Kinbasket Lake, (Topo.), Sc. 1:50,000.

RM 1893 - map

REMARKS

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| Comp./Rev. By | DMacR | | | | | | |
| Date | 12-77 | | | | | | |

REFERENCES

- Reports of Minister of Mines, British Columbia: 1893, pp. 1064, 1066; 1894, p. 749; 1899, p. 594; 1900, p. 980; 1921, p. 346; 1948, p. 153; 1949, p. 208; 1950, p. 158; 1951, p. 192 + ; 1959, pp. 90, 99, 104 ++ .
- Wheeler, J.O.; Big Bend Map-Area, British Columbia; Paper 64-32, p. 27, Geol. Surv. of Canada.
- Mineral Policy Sector; Corporation Files: "Kootenay Explorations Limited".