

NAME OF PROPERTY

UNICORN

OBJECT LOCATED - Good Hope claim (Lot 4538).

UNCERTAINTY IN METRES 300. Lat. 56°07'05" Long. 130°01'05"

Mining Division Skeena District

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The property is underlain by a zone comprising cataclasites, mylonites and schists that have been derived from Lower Jurassic Hazelton volcanic conglomerates and other epiclastics at the east margin of the Texas Creek pluton. These rocks are cut by an east-west trending swarm of lamprophyre and acidic dykes.

Low gold and silver values are associated with disseminated pyrite in zones of intense silicification and quartz-calcite mining. The Unity zone, as exposed in No. 3 adit on the Good Hope claim, is a steeply dipping, northerly trending silicified zone 20 to 40 feet wide, well mineralized with pyrite and arsenopyrite. One five foot chip sample in #301 crosscut ran 0.11 oz gold and 0.22 oz silver per ton. The "A" vein as exposed in several trenches is an east-west striking quartz vein approximately 40-50 feet thick and dipping southerly at 60 degrees. Sulphide mineralization, mainly pyrite, is quite erratic within the vein. A composite grab sample along the vein ran 0.14 oz gold and 13.5 ozs silver per ton. The "H" vein, some 800 feet east of No. 3 adit, is a 6 to 30 inches wide quartz vein well mineralized with pyrite, galena, sphalerite, tetrahedrite, and native silver.

Associated minerals or products - Silver, lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located on the south side of Mount Dilsworth, the claims extending westerly from Silver Creek to join the most northerly claims of the Big Missouri group (104 B/1, Au 2).

Four claims, the Unicorn, Unicorn No. 2, Unicorn No. 3, and Unity (Lots 4534-4537), were apparently located by John Hovland, of Hyder, Alaska, prior to 1919. During 1919-1920 the claims were under option to J.B. McDonald and considerable work was done, including open cutting and 700 feet of diamond drilling; the option was given up late in 1920. Messrs. Trites and Wilson optioned the Unicorn and Big Missouri groups in 1922; some trenching was done on the Unicorn property. The original claim group was Crown-granted in 1925 to Messrs. Hovland and Watkins. By 1928 the property had been expanded to include the Good Hope (Lot 4539), Snow King (Lot 4539), and four fractional claims.

Unicorn Mines, Limited was incorporated in January 1929 to acquire the property. Development work was carried on each year until about 1936. Work to this date totalled some 1,200 feet of drifting and crosscutting in 4 adits. Some diamond drilling was done in 1935. No further activity was reported until 1948 when the company, with John Hovland as managing director, resumed work on the property. Number 3 adit, which had been driven parallel to and a short distance east of the Unity zone, was advanced 30 feet to a point 600 feet from the portal. Three short crosscuts to the west of the tunnel have cut the Unity zone. The adit was driven with the intent of exploring the intersection of the Unity zone with an easterly striking shear zone (A zone). This objective had not been reached when work ceased in 1950.

Tournigan Mining Explorations Ltd. by an agreement of March 1974 acquired an option to purchase 10 Crown-granted claims from Unicorn Mines, Limited. Work on the property during 1974 and 1975 included geological mapping, a geochemical rock survey (105 samples), sampling in No. 3 adit, and trenching.

Tapin Copper Mines Limited optioned the property from Tournigan by an agreement dated May 25, 1976. Work by Tapin during 1976 included an induced potential survey over the Unicorn property. The Tapin option agreement was subsequently abandoned.

Tournigan optioned its interest in the property to Western Mines Limited by an agreement dated Dec. 8, 1978.

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

504429

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1919, p. 77; 1920, p. 63; 1922, p. 84; 1923, p. 83; 1925, pp. 103, 447; 1928, p. 115; 1929, p. 109; 1930, pp. 114, 115; 1931, p. 47; 1932, p. 60; 1933, p. 59; 1948, p. 70; 1949, p. 75; 1950, p. 78.

[†]Hanson, George; Portland Canal Area, British Columbia; Memoir 175, p. 170, Geol. Surv. of Canada, 1935.

^{††}Cochrane, D.R.; Report on the Unicorn Project on behalf of Tournigan Mining Explorations Ltd. 1/10/74 in VSE SMF 14/08/75, Tournigan Mng Expls L.

Mineral Policy Sector, Corporation Files: "Tournigan Mining Explorations Ltd."

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1974, p. 331; 1975, p. E 179; 1976, p. E 179.

MAP REFERENCES

Geological Map of the Stewart Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 3, Sheet C, Bulletin 58, British Columbia Dept. of Mines, 1971.

#Big Missouri group, (claims & mineralized zones), Sc. 1": 1,000 ft., Fig. 25, Bulletin 58.

Unicorn Group (main workings), Sc. 1":400 ft., Report of Minister of Mines, British Columbia, 1930, p. 115.

Map 307 A, Portland Canal Area, (Geol.), Sc. 1":4 miles - accomp. Memoir 175.

Map 104 B, Iskut, (Topo.), Sc. 1:250,000.

REMARKS

Comp./Rev. By	DMacR						
Date	3-79						