

NAME OF PROPERTY GOLCONDA MINE

LOCATION

Uncertainty radius: 300 m. Lat. 49°15.9' Long. 119°50.9'

Mining Division Osoyoos District Osoyoos

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

OWNER OR OPERATOR AND ADDRESS

1969 - Trent Resources Ltd.,
227, 407 Granville St.,
Vancouver 2.

DESCRIPTION OF DEPOSIT

A pyroxenite stock intrudes sedimentary and pyroclastic rocks of the Triassic (?) Shoemaker formation. The pyroxenite is itself intruded by monzonite porphyry and dioritic rocks. The pyroxenite contact is marked by an unmineralized fault, striking S56°E and dipping NE irregularly. The deposit is in a shear zone, up to 5 feet wide and made up of one or more slickensided and gouge-filled fault planes, bordered and separated by sheared and partly serpen-tinized pyroxenite and are striking S56°E. Some zig-zagging quartz gangue is banded by fractures filled with pyrite, chalcocopyrite and molybdenite. There are also minor amounts of galena and values of gold and silver.

HISTORY OF EXPLORATION AND DEVELOPMENT

This property is located about 1 mile west of Olalla, at an elevation of about 1,000 feet above the motor road. It was first worked around 1899 and was held by Dan and Archie McEachern until about 1931. By this time there were two tunnels, the upper tunnel being 130 feet long and the lower tunnel, 110 feet below this, being 450 feet long with crosscuts and upraises. The ore from the lower tunnel assayed 1% Mo; 18.6% Cu; 1 oz./ton Ag and trace Au.

The property remained idle until 1946 when Hedley Monarch Gold Mines, Limited, acquired the property, but little work was done at this time. It was not opened again until 1959 when Keremeos Mines Ltd. did 200 feet of raising and 50 feet of drifting. They also constructed a mill but the property was closed in 1961.

In 1966, Mollycott Mines Ltd. acquired Golconda and began to rehabilitate the underground workings and the mill. They also projected a new adit and carried out some stoping.

Trent Resources Ltd. took over in 1969. They mapped the underground workings and did 3,915 feet of diamond drilling in 10 holes. The following year they did some stoping and reclaim ing in the old workings and explored a new zone. They also constructed a new mill with a capacity of 100 tons/day but operations shut down soon after due to difficulties in recovery and lack of mill feed.

HISTORY OF PRODUCTION

- 917: 3,390 lbs. molybdenite assaying 17.1% MoS₂.
918: About 10 tons of ore assaying 18.6% Cu and 1.7% Ag.
960: About 1,500 tons yielding 2 oz. Au; 460 oz. Ag; 61,060 lbs. Cu and 1,406 lbs. Pb.
969: About 17 tons yielding 79 oz. Ag; 8,889 lbs. Cu, and 279 lbs. Pb.

REFERENCES

- B.C. Dept. of Mines Reports: 1899, p. 776; 1900, p. 885; 1902, p. 185; 1904, p. 226; 1910, p. 124; 1917, p. 206; 1918, p. 213; 1919, p. 169; 1920, p. 157; 1922, p. 162; 1923, p. 186; 1927, p. 239; 1928, p. 260; 1929, p. 269; 1930, p. 218; 1931, p. 136; 1946, pp. 127-128; 1960, p. 61; 1967, p. 221.
- Geology, Exploration and Mining in British Columbia: 1969, pp. 297, 428; 1970, pp. 395, 481; B.C. Dept. of Mines and Petroleum Resources.
- Mines Branch Report, 1928, No. 711, pp. 24-26.
- Northern Miner, Dec. 10/70, p. 24; Jan. 19/61, p. 2.
- War Metals Advisory Committee File 7/7.
- Cairnes, C.E.; Mineral Deposits of the West Half of Kettle River Area, B.C.; Paper 37-21, pp. 36-37, Geological Survey of Canada, 1937.
- Stevenson, John S.; Molybdenum Deposits of British Columbia; Bull. No. 9, p. 90, B.C. Dept. of Mines, 1940.
- Eardley-Wilmot, V.L.; Molybdenum; Rept. 592, p. 43, Mines Branch, Ottawa, 1925.
- Metal Controller File 167-M5-2-58; Mineral Development Sector, Ottawa.

MAP REFERENCES

- Sheet 82 E/5 W, NTS Map, (1:50,000), 1968.
- Sheet 82 E/SW (M1), Preliminary Mineral Inventory Map, (1 in. to 2 miles), B.C. Dept. of Mines & Petroleum Resources, 1960.
- Maps 538 A, 539 A, Kettle River, (Geol. & Topo.), (1 in. to 4 miles), G.S.C. 1939.
- Map 628 A, Olalla, (Geol. & Topo.), (1 in. to 1 mile), G.S.C. 1940.
- Map 15-1961, Kettle River, (Geol. & Topo.), G.S.C. 1961.

REMARKS

Lat. & long. measured Preliminary Mineral Inventory Map, Sheet 82 E/SW (M1), B.C. Dept. of Mines and Petroleum Resources.