

## NAME OF PROPERTY

## JEWEL

Shaft as shown on  
LOCATION Map 546 A.

Radius of uncertainty - 500 metres. Lat. 50°54'15" Long. 122°56'50"

Mining Division Lillooet District Lillooet

County Township or Parish

Lot Concession or Range

Sec. Tp. R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

These deposits occur as irregular fissure veins in serpentine. The veins are associated with quartz diorite dykes of the Bendor batholith which intrude the serpentine. These dykes strike east to east-northeast and dip 60 to 85° south. Pyrite, arsenopyrite and lesser amounts of chalcopyrite occur as streaks, bands and kidneys in a gangue of sheared quartz and calcite. The chief value is gold which runs up to 7.086 oz./ton, but averages 2 oz./ton. Silver assayed 1.26 oz./ton and copper 1.7%.

Associated minerals or products of value - Silver, copper.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The Jewel Group consisted of 17 mineral claims held by location. The principal showings lie between elevations of 5,500 and 6,000 feet on the eastern slopes of Roxey Creek, about six miles northwest of Gold Bridge.

These claims were staked about 1933 by J.M. Taylor. In 1934, the group was optioned to Bralco Development and Investment Co. Limited, which did much of the exploration work. Later the property was further explored and developed by the owners, Jewel Prospectors' Syndicate of Vancouver. A small tonnage of ore was extracted and the claims lapsed soon after.

Development work on the property consists of trenches, two shafts and an adit. The shafts were driven as inclines for 15 and 35 feet, with two levels driven for 100 and 150 feet, respectively. A 20-foot crosscut was also driven. The adit consisted of about 175 feet of drifting and 100 feet of cross-cutting.

This property adjoined the Little Gem Group (see 92 J/15, Co 1) and it is possible that part of the ground it covered was incorporated into the Little Gem after the Jewel claims lapsed.

## HISTORY OF PRODUCTION

Between 1938 and 1940, 56 tons of ore were shipped from the property. From this ore 120 oz. of gold, 13 oz. of silver and 39 lb. of copper were recovered.

## REFERENCES

Reports of Minister of Mines, British Columbia: 1937, pp. F-8-11; 1938, p. A-38; Index 3, p. 201.

Cairnes, C.E.; Geology and Mineral Deposits of Tyaughton Lake Map-Area, British Columbia; Paper 43-15, pp. 21-22, Geol. Surv. of Canada, 1943.

## MAP REFERENCES

Map 92 J, Pemberton, (Topo.), Sc. 1:250,000.

Map 92 J/15 W (M), Mineral Claim Map, Sc. 1":1 mile; B.C. Dept. of Mines and Petroleum Resources.

\*Map 546 A, Tyaughton Lake, (Topo.), Sc. 1:50,000; Dept. of Mines and Technical Surveys, 1939.

Map 43-15 A, Tyaughton Lake, (Geol.), Sc. 1": $\frac{1}{2}$  mile; Accomp. Paper 43-15.

## REMARKS

JULY 1973

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