

PRODUCT Gold

PROVINCE OR  
TERRITORY

British Columbia

N.T.S. AREA

92 H/11

REF. Au 2

NAME OF PROPERTY Ward (Marvel)

LOCATION - center of Ward claim.

Radius of uncertainty Lot. 49° 34'40" Long. 121° 20'30"

- 200 meters  
Mining Division

District

New Westminster

Yale

County

Township or Parish

Lot

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT The gold values are associated with quartz - syenite - porphyry dykes which intrude slates of the Lower and Mid Jurassic Ladner Group. The dykes vary in width from 1 foot to 50 feet, and constitute in the vicinity of the workings about 50 per cent of the rock exposed. They are irregular in outline and have forced apart and enclosed masses of slate. Five of these dykes are cut in the lower tunnel, two of which are sheared parallel to the schistosity of the slates, while the others are normal. The slates are hard, and fissile; in general they strike northwesterly and dip steeply to the south-west. Gold-bearing quartz veins occur in the porphyry dykes and at the contacts of the dykes with slate. The gold occurs in the quartz and porphyry in a finely divided state, generally coated with a film of iron oxide. The distribution of gold within the veins is very erratic. Parts of the known quartz veins are rich, but are not continuous enough to make ore. The gold appears to have undergone considerable surface enrichment.

Associated minerals or products of value

## HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the south fork of Siwash Creek about 4 miles northeast of the town of Yale. The claims adjoin the Gold Queen property on the south.

The Ward group, comprising the Ward, Ruby, and Independent claims, was acquired in the 1890's by L. Stenger and associate of Bellingham, Washington. They organized The International Gold Mining Company to carry out exploration of the property; the company was registered in British Columbia in 1897. By 1901 the underground workings totalled about 200 feet of cross-cuts and drifts. A 3-stamp mill was erected and put into operation in 1904; the mill operated until May 1905.

Subsequent operations were under a new company, Marvel Gold Mining Company, which was organized in the State of Washington by Mr. Stenger, A.W. Moreley, associates; the company was registered in British Columbia in 1905. The mill, expanded to a 6-stamp operation, reportedly operated for a short period in 1911. The workings at that time comprised a large surface excavation, 150 feet wide by 250 feet long, about 300 feet above the creek from which 2 adits were driven. Another adit, 75 feet above the creek, was driven about 300 feet.

## HISTORY OF PRODUCTION

Recorded production in 1904-05 totalled 135 ounces of gold; there is no record of the tonnage of ore involved.

## REFERENCES

Bateman, A.M.; Geology of Fraser Canyon and Vicinity, Siwash Creek Area; Summary Report 1911, p. 128, Geol. Surv. of Canada.

Reports of Minister of Mines, British Columbia; 1893, P. 1072 (map); 1901, P. 1086; 1902, P. 185; 1904, PP. 235-237; 1905, P. 206; 1906, P. 178; 1911, P. 184; 1915, P. 262; 1917, P. 227 (map).

Stevenson, J.S.; Lode-Gold Deposits, Southwestern British Columbia; Bulletin No. 20, Pt. IV, P. 21, British Columbia Dept. of Mines, 1944.

Monger, J.W.H. Hope Map - Area, West Half, British Columbia; Paper 69-47, P. 60, Geol. Surv. of Canada.

## MAP REFERENCES

Map 12 - 1969, Hope, (Geol.), Sc.1:250,000  
- accomp. Paper 69-47.

Map 737 A, Hope, (Geol.), Sc.1":4 miles (1944)

\* Map 92H/11W, Spuzzum, (Topo.), Sc.1:50,000

## REMARKS

BCI 92 H/11W-15.