

NAME OF PROPERTY	P.D.Q.		
OBJECT LOCATED - No. 2 vein - from descriptive data.			
UNCERTAINTY IN METRES 400.	Lat. 49°27'40"	Long. 125°30'	
Mining Division Alberni	District	Clayoquot	
County	Township or Parish		
Lot	Concession or Range		
Sec	Tp.	R.	

OWNER OR OPERATOR AND ADDRESS

**DESCRIPTION OF DEPOSIT**

Map 17-1968 indicates the area is underlain by Palaeozoic (Pennsylvanian and older) volcanic breccia, tuff, argillite, greenstone, schist, and dykes and sills of andesite porphyry.

No. 1 vein has been traced across the top of the spur. The vein strikes about north 20 degrees east and dips 70 to 85 degrees westward. On the eastern side and on the summit the rock is basalt. Across the rounded top of the spur the vein, 4 to 8 inches wide, is exposed in a shallow depression. Toward the southern end of the depression a small mass of quartz-diorite is exposed extending southeasterly. Thence southerly the country rock is a fine-grained to andesite volcanic, but the fracture-walls are usually of quartz-diorite, and it seems probable that the vein-fracture or fractures follow earlier fracturing along which quartz-diorite had been intruded. The lower cuts on this slope indicate vein widths from 12 to 20 inches.

In general the vein-fracture is from 4 to 20 inches wide and contains about half vein-mineralization and half altered wall-rock. In the exposures most of the material is oxidized and rusty. Introduced gangue consists of quartz and some carbonate. Pyrite, chalcopyrite, sphalerite, and galena, were seen irregularly distributed; and a greenish yellow stain suggested the alteration of an arsenic- or perhaps an antimony-bearing sulphide.

The most encouraging results are reported to have been obtained from a section about 300 feet long on the eastern slope

Associated minerals or products of value - Silver, lead. p.t.o. ...

**HISTORY OF EXPLORATION AND DEVELOPMENT**

The property is located between elevations of about 3,900 to 4,750 feet on a steep spur on the east side of Love Lake, 6 miles northwest of Great Central Lake. The property lies within Strathcona Provincial Park.

The No. 1 and No. 2 veins were discovered in 1940 and staked as the P.D.Q. group of claims in the name of W.R. Ross, D.E. Lethbridge, and Pioneer Gold Mines of B.C., Limited. The company was at that time working on the adjacent Sherwood property. In 1941 the P.D.Q. group comprised 20 claims. Work during 1940-1941 on No. 1 and No. 2 veins included trenching and sampling and 684 feet of drifting and crosscutting in 5 short adits. "On No. 1 vein (trenching) values of 1.09 ounce per ton over a width of 12 inches have been indicated for a length of 177 feet. The 340 feet of vein open cut on No. 2 vein averaged 0.83 ounce over 13 inches with a 90 foot section averaging 1.37 ounces gold over an average width of 16 inches. Underground work on No. 2 vein checked fairly well with the surface" (Pioneer Gold Mines Annual Reports, March 31, 1941 and March 31, 1942).

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DESCRIPTION OF DEPOSIT (continued)

between 4,600 and 4,725 feet elevation, where the vein 6 to 18 inches wide had been exposed in cuts spaced at intervals of 6 to 20 feet.

No. 2 vein, located about 1,000 feet southeasterly from No. 1 vein, strikes north 20 to 30 degrees east and dips 60 to 70 degrees north-westward. It had been traced about 325 feet north-easterly across the east side of the spur with little change of elevation. Cuts at intervals in this distance incompletely exposed the vein, 8 inches to 2 feet wide. The vein-filling consists of rusty quartz and altered wall-rock with more or less sulphide mineralization. A fair amount of galena was to be seen at some points. In the best exposure, vein-filling consists largely of quartz with sulphide mineralization concentrated in 2 or 3 inches at both walls. A sample taken toward the south-western end of the stripping, across 15 inches, the full width of the vein, assayed: Gold, 0.94 oz. per ton; silver, 4.2 oz. per ton; lead 1.4 per cent. A sample taken 5 feet north-easterly, at the footwall-side, across 3 inches, containing sulphides notably galena, assayed: Gold, 2.32 oz. per ton; silver, 6.2 oz. per ton; lead 8.4 per cent.

MAP REFERENCES

Map 17-1968, Alberni, (Geol.), Sc. 1:250,000 - accomp. Paper 68-50.

Bedwell River-Drinkwater Creek Area, (Geol.), Sc. 1":1 mile - accomp. Bulletin No. 13.

\*Map 92 F/5, Bedwell River, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	12-77						

REFERENCES

+Sargent, H.; Supplementary Report on Bedwell River Area, Vancouver Island; Bulletin No. 13, pp. 86-89, 96, 97, British Columbia Dept. of Mines, 1941.

Report of Minister of Mines, British Columbia: 1941, p. 71.

++Mineral Policy Sector; Corporation Files: "Pioneer Gold Mines of B.C., Limited".

Muller, J.E. and Carson, D.J.T.; Geology and Mineral Deposits of Alberni Map-Area, British Columbia; Paper 68-50, Geol. Surv. of Canada.