

GEOLOGICAL SURVEY OF WYOMING
MINERAL REPORT 88-2

ASSAY REPORT OF VEIN SAMPLES FROM MORMON CANYON

by
W. Dan Hausel
1988

Two quartz vein samples were collected in the Mormon Canyon Archean metamorphic terrane on May 17, 1988. Sample MC1-88 is a quartz vein with limonite stains and boxworks. AT this location in the N/2 SW/4 sec. 13, T.32N., R.76W., a N10° E trending caved adit was driven into the N53 W trending vein. The vein follows regional foliation, is about 20 feet thick, and is hosted by amphibolite. Immediately south of the vein, the adit cut a fault gouge at the contact between the amphibolite and gneiss. A grab sample of quartz contained no detectable gold or silver.

Sample MC2-88 was collected from a similar vein in the NE/4 NE/4 sec. 14, T.32N., R.76W. This milky quartz vein parallels regional foliation, is 30 to 40 feet wide, and contains copper stains near its apex. A grab sample assayed 0.67% Cu, 0.20% Mn, 1.6 ppm Ag, and 580 ppb Au.

In the NW/4 sec. 29, T.32N., R.75W. is a group of prospects and trenches dug on serpentinite. The serpentinite contains minor asbestos and has been quarried for decorative stone.

This area has recently been mapped by D.J. Gable, 1987, U.S.G.S. Map I-1724.

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LABORATORY REPORT

Client Sample No.: as listed

GSW Lab No.: 880525

Client: Dan Hausel

Sample Description:

Bear Lodge & Moron Canyon

Analyses Requested: Au, Ag, Mn, Cu

Methods & Results:

Aqua regia digest, Au extracted into MIBK, Ag, Mn, Cu in acid sol
Atomic Absorption

<u>Sample #</u>	<u>Au, ppm</u>	<u>Ag, ppm</u>	<u>Mn, %</u>	<u>Cu, %</u>
BL-1-88	---			
BL-2-88	---			
BL-4-88	---			
BL-5-88	0.12			
BL-6-88	---	1.1	0.10	
BL-7-88	---			
BL-8-88	---			
BL-9-88	---	3.1	0.018	
BL-10-88	---	2.1	0.040	
BL-11-88	---	---	0.054	
BL-12-88	---			
BL-13-88	---	7.3	7.5	
BL-14-88	---	2.3	5.1	
BL-15-88	---	---	0.44	
BL-16-88	---	---		
BL-17-88	---	7.9	0.016	2.5
MC-1-88	---	---		
MC-2-88	0.58	1.6	0.20	0.67

--- = not detected, Au less than 0.05 ppm
Ag less than 1.0 ppm

no entry = not analysed for

Analyst: Jay Roberts Date: June 21, 1988

Excess Sample: returned discarded xx store 6 months, discard store perm

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