

Geological Survey of Wyoming
Mineral Report MR90-3

GOLD ANALYSES FOR SAMPLES FROM THE TREADWELL,
BIRDSEYE, AND ARTIC MINES, MINERAL HILL DISTRICT,
CROOK COUNTY, WYOMING

by
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1990

In August, I examined a few mines in the Mineral Hill district at the invitation of Rick and Cheryl Parent of TRYCCO, Inc. The mines examined included the Treadwell, Artic 1 & 2, and the Birdseye (see attached map for locations).

Samples collected from the Birdseye mine included:

Sample #	Description	Gold	Silver	Copper
BSE1-89	Pyroxenite with minor pyrite.	0.168 ppm	---	---
BSE2-89	Pyritiferous mafic breccia.	0.002 ppm	---	---
BSE3-89	Quartz with pyrite & minor copper stain.	15.0 ppm	120 ppm	0.29 %

Samples collected from the Artic 1 & 2 adits had common crusts and fracture fillings of lavender drusy quartz. Additionally, one sample of amethyst was found at the top of the portal to the Artic#2 (north) adit. The following samples were assayed:

Sample #	Description	Gold	Silver
ART1-89	Chalcedony-bearing trachyte (#2 adit)	0.019 ppm	---
ART2-89	Chalcedony-rich trachyte (#1 adit)	0.029 ppm	---
ART3-89	Chalcedony-rich trachyte (#1 adit)	0.060 ppm	2.4 ppm

The Treadwell open cut is a small cut with highwalls along the south and east. When examined, much of the highwall was covered with slump and the only interesting rock exposed was a feldspathic breccia. Rick Parent removed portions of the slump with a backhoe and exposed two mine tunnels driven on two parallel horizontal quartz veins in the trachyte country rock. The veins contain abundant limonite boxworks. The following samples were collected:

Sample#	Description	Gold	Silver
TW1-89	Feldspathic breccia from dump	< 0.005 ppm	---
TW2-89	Breccia	< 0.005 ppm	---
TW4-89	Limonite-stained quartz vein	130.0 ppm	330 ppm
TW6-89	Silicified trachyte	1.39 ppm	9.0 ppm
TW8-89	Quartz vein	0.360 ppm	< 5.0 ppm
TW9-89	Vertical fracture vein	0.056 ppm	< 5.0 ppm
TW10-89	Limonitic quartz vein	21.0 ppm	65 ppm

These preliminary results indicate that early quartz veins in the district are most likely to be mineralized.

INTERIOR
FRONTIER

571000mE

930000 FEET (S. DAK.)

Uems
BSEI-89
MHI-80

TW1-89
to TW10-89

incorrect location



snake
No 2

6150