GEOLOGICAL SURVEY OF WYOMING

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MINERAL REPORT #MR 82-5

ASSAY REPORT ON SELECTED DUMP SAMPLES FROM THE PORTLAND MINE, SIERRA MADRE, WYOMING

by
W. Dan Hausel

The Portland Mine is located ¼ mile south of the Battle village in the SW/4 sec. 29, T14N, R85W of the Sierra Madre (Figure 1). Two similar mines, the Portland and Hercules, are located about 100 yards of each other; the Portland lies to the west of the Hercules. The two mines lie on the contact of granite with chloritized mafic rock.

The mineralized rock is principally silicified mafic rock impregnated with chalcopyrite and lesser chalcocite. The granite is also partially mineralized. A sample of cupriferous chloritized mafic rock was selected for assay from the Portland mine dump and ran 2.75 percent copper, 0.008 percent zinc and no gold (Figure 2).

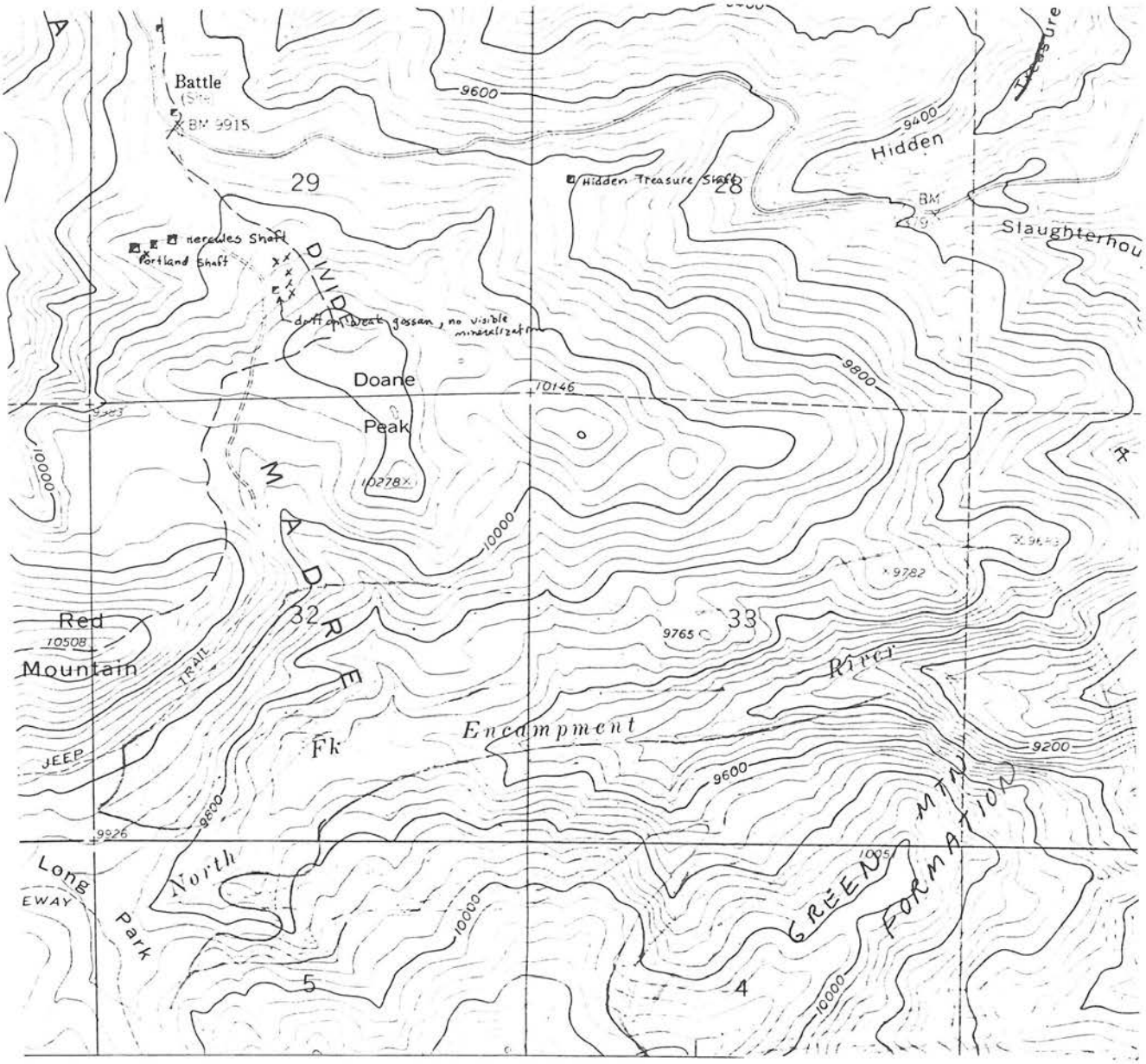

Figure 1. Location map of the Portland and Hercules mines (base map U.S. Geological Survey Red Mountain 7½-minute quadrangle).

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REPORT OF ANALYSIS

Customer ID		(sec 29-14N-85W) BP-1, Portland Mine	CR-3-13-14, Mother Lode	ES-1, Oriole Mine	ES6-8, Tenderfoot Mine	HP-18, Fletcher Park
Lab No.		9859	9860	9861	9862	9863
Gold	oz/ton	<0.01	<0.01	--	<0.01	<0.01
Copper	%	2.75	--	1.11	--	0.135
Platinum	oz/ton	--	<0.01	--	--	--
Silver	oz/ton	--	--	--	--	<0.01
Zinc	mg/L	81.4	--	--	--	46.9

Figure 2. Assay report on sample BP-1.