GEOLOGICAL SURVEY OF WYOMING

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MINERAL REPORT #MR 82-7

ASSAY REPORT ON TENORITE-STAINED SAMPLE FROM THE FLETCHER PARK AREA, SIERRA MADRE, WYOMING

by
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1982

During the 1979 field season, I examined several potential kuroko-type volcanogenic massive sulfide deposits in the Fletcher-Huston Park areas of the Sierra Madre. By far the most impressive deposits were the Itmay Mine in section 14, T13N, R86W, and what I termed the Section 8 Mine located in section 8, T14N, R85W (see Hausel 1982- Mineral Report #MR 82-6). Samples from these properties were not assayed until 1982 because of budget restrictions.

At one locality, in the NW/4 of section 15, T13N, R86W, identified as prospect 9999, pyritized andesite is exposed on the surface and may represent a volcanogenic stratiform deposit. South of this locality in the E/2 section 16, T13N, R86W, sample HP-18 was collected (Figure 1). Sample HP-18 was collected from an intensely altered metavolcanic(?) stained with tenorite and minor marmatite. The sample was assayed and yielded 0.14 percent copper, 0.005% zinc and no gold or siver (Figure 2). This region where the Green Mountain Formation crops out (shown in red on Figure 1) should be examined in detail for potential Kuroko-type massive sulfide ore deposits.

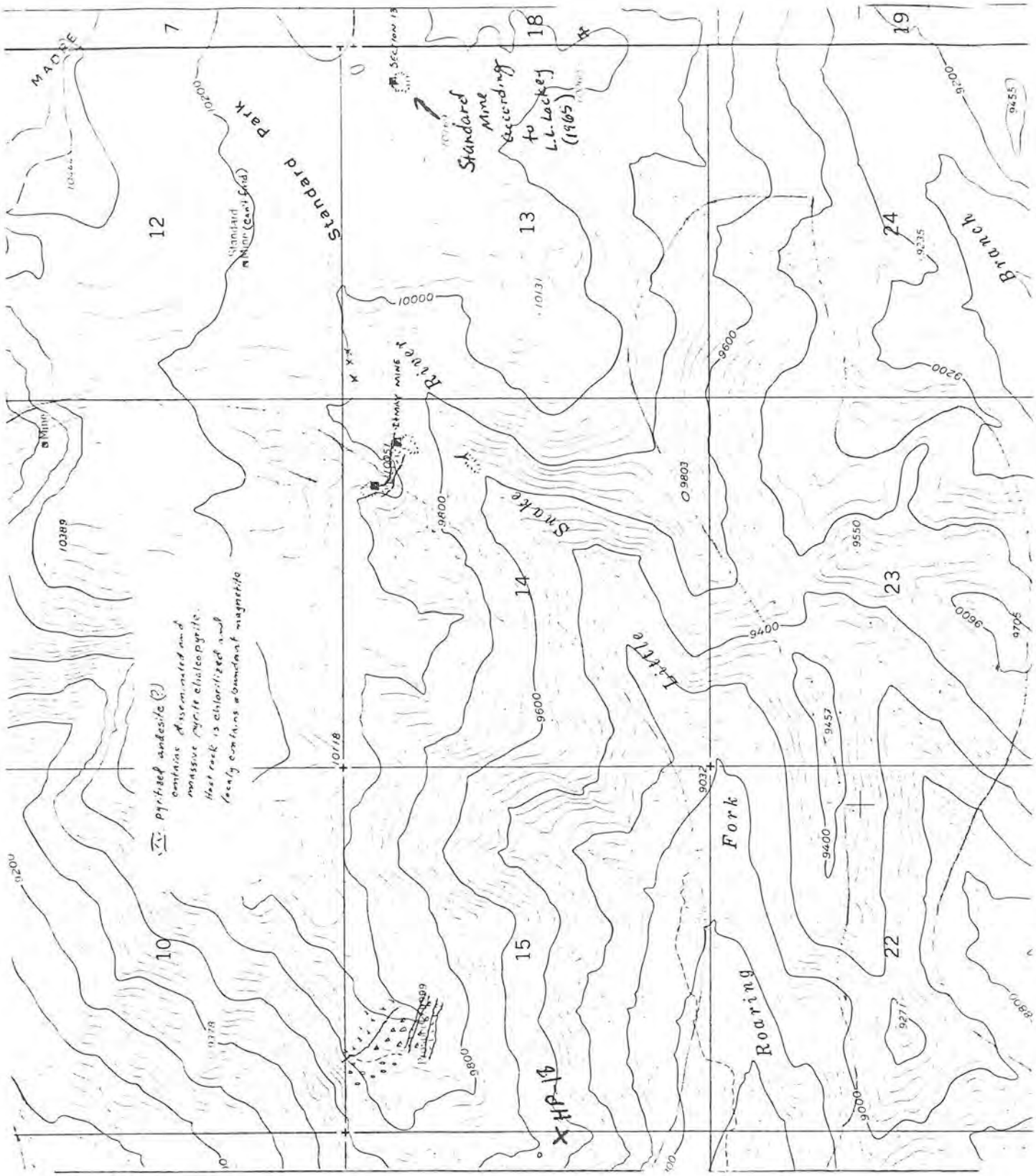

Figure 1. Location map of sample site HP-18 (base from U.S. Geological Survey Fletcher Peak 7½-minute quadrangle).

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REPORT OF ANALYSIS

Customer ID		(29-14-85) BP-1, Portland Mine	(sec. 1, 15-79.) CR-3-13-14, Mother Lode	(10-29-75) ES-1, Oriole Mine	(3-10, 28N, 71W) 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 of sample HP-18.