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MINERAL REPORT MR90-7**

**COONEY HILLS COPPER-MASSIVE SULFIDE, PLATTE COUNTY,
WYOMING**

by
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Samples were collected in the Cooney Hills of the Elmers Rock greenstone belt in the search of anomalous copper, gold, silver, and gallium mineralization. Much of the interest was around the Whippoorwill massive sulfide to search for any anomalous metals associated with the deposit. The Whippoorwill is an impressive deposit with a relatively wide (>20 feet) gossan with massive pyrite. The zone is stratiform and the gossan is traceable for nearly one-half mile in a micaceous quartzite. In addition to samples collected along this trend, samples were also collected from a few other prospects in the area.

SAMPLE #	DESCRIPTION	GOLD (ppm)	SILVER (ppm)	COPPER (%)
CH1-89	cupriferous mafic rock	< 0.05	4.6	1.6
CH2-89	cupriferous gneiss	< 0.05	< 1.0	0.62
CH3-89	unmineralized stockwork	< 0.05	< 1.0	---
CH4-89	pyritiferous quartz	0.49	5.3	---
CH5-89	pyritiferous quartz	0.25	2.5	---
CH6-89	pyritiferous quartz	< 0.05	< 1.0	---
CH7-89	pyritiferous quartz	< 0.05	< 1.0	---
CH8-89	quartz gossan	< 0.05	1.0	0.05
CH9-89	20 ft composite chip of gossan	0.06	1.1	0.08
CH10-89	gneissic quartz gossan	< 0.05	< 1.0	---
CH11-89	micaceous quartzite	< 0.05	< 1.0	---
CH12-89	10 ft channel of micaceous quartzite	< 0.05	< 1.0	0.005
CH13-89	grab of limonite-stained quartzite	< 0.05	< 1.0	---
CH14-89	gossaniferous quartz	0.05	< 1.0	0.08

The analyses showed no unusual anomalies. Gallium analyses were equally disappointing.



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