

FIELD NOTES--LOST MUFFLER GOLD PROSPECT (SW $\frac{1}{4}$ Sec. 16,
T.32N., R.87W.), RATTLESNAKE HILLS

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FIELD NOTES--LOST MUFLER PROSPECT

Location

During reconnaissance of the Rattlesnake Hills on July 22, 1982, we examined a prospect located on a tributary on the west side of UT Creek. The prospect, named Lost Muffler by the authors, is located in the SW $\frac{1}{4}$ of section 16, T.32N., R.87W. of the Rattlesnake Hills.

Geology

The Lost Muffler prospect was developed by an adit on the south side of the tributary into amphibolite schist. The size of the mine dump suggests that the mine contained less than 100 feet of workings. The mineralized zone occurs as an east-west trending (70°S dip) ^{shear zone} with quartz vein on the footwall of the shear. At the adit, the pyritized quartz vein reaches 1½ feet wide. From east to west, rocks exposed at the collapsed adit are hornblende-chlorite schist-brecciated sheared weakly limonite-stained hornblende schist-pyritized quartz vein-and hornblende schist footwall (see figure).



EXPLANATION
⊗ chip sample location

Joints in the immediate vicinity of the prospect trend N65°W (dip 30° NE) and N60°E (dip 86° SE).

The Lost Muffler vein was followed along strike for about 100 yards to a small 6 feet deep pit exposing a 3½ feet wide sulfide-stained vein. The vein continues at least another 50 yards where traces on the surface disappear. Traces of vein material are again picked up along strike along the northern flank of adjacent drainage to the south.

Mineralization

Mine dump samples are highly altered containing quartz vein material and abundant pyrite cubes. Many cubes are as large as ¼ inch in diameter.

Four samples were collected for assay: (1) LMP 82-1 was a chip sample collected parallel to dip of quartz vein exposed at the adit. The chips were collected 11 inches apart along 44 inches of the vein. The assay for the chip sample gave 0.22 oz/ton in gold. (2) LMP 82-2 was a chip sample collected perpendicular to LMP 82-1. The chip samples were separated

by 11 inches over a linear distance of 44 inches. The assay gave 0.13 ounces of gold per ton. (3) Sample LMP 82-3 consisted of selected dump material containing abundant sulfides. The assay gave 0.03 ounces of gold per ton, 0.03 ounces of silver per ton, and 0.01 % of cobalt. (4) Sample LMP 82-4 consisted of grab samples of dump material and assayed 0.04 ounces of gold per ton.

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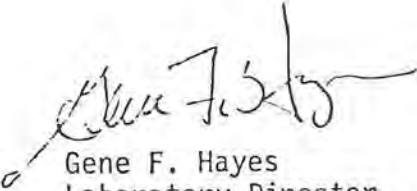
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REPORT OF ANALYSIS

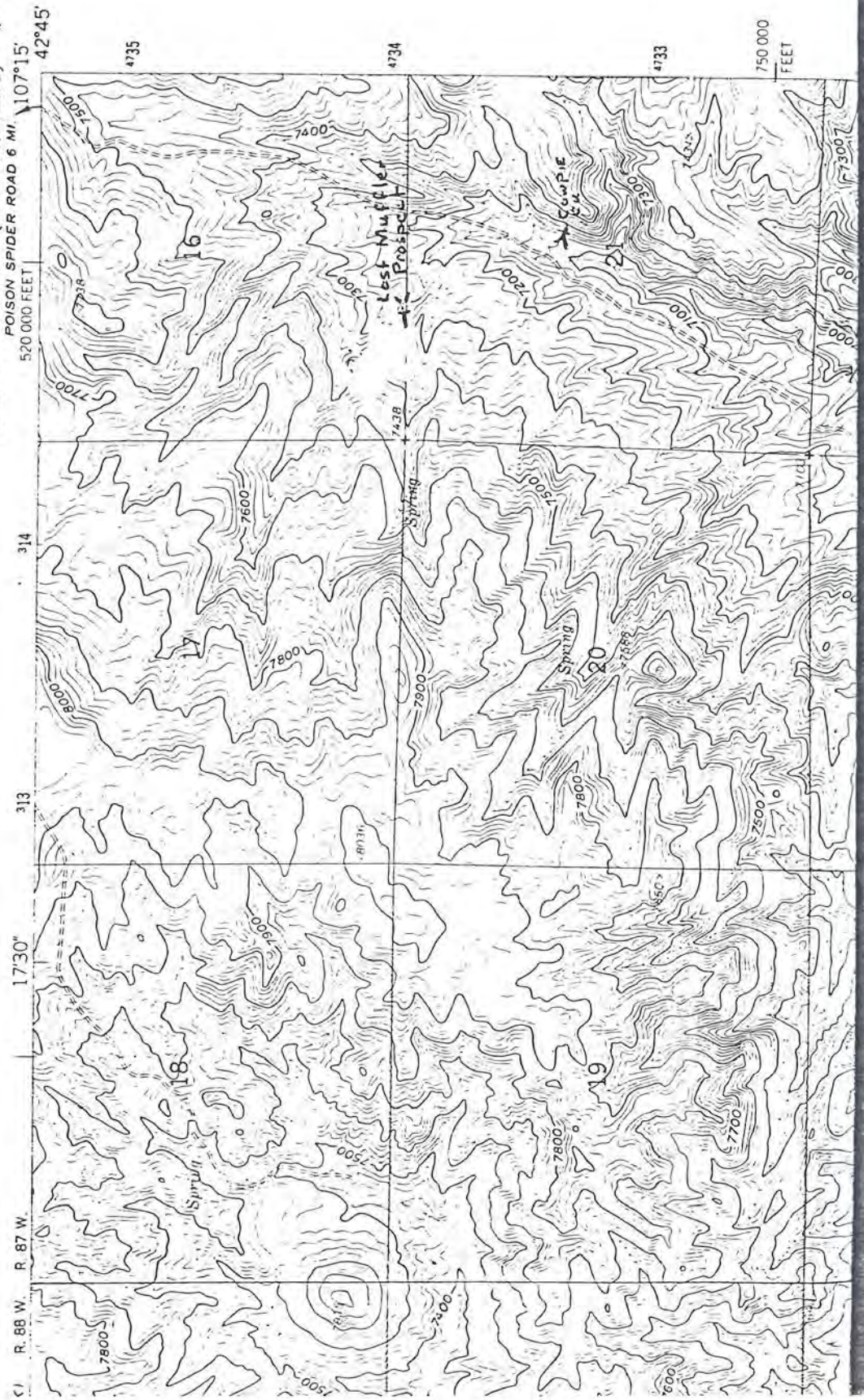
Customer ID	Lab No.	Copper (mg/Kg)	Gold (oz/ton)	Silver (oz/ton)	Cobalt (mg/Kg)
Lost Muffler LMP 82-1	9156	--	0.22	--	--
Lost Muffler LMP 82-2	9157	--	0.13	--	--
LMP-82-3	9158	--	0.03	0.03	103 (0.01%)
LMP-82-4	9159	--	0.04	--	--


Gene F. Hayes
Laboratory Director

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