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trending structures. Displacement along this structure is indeterminate. Alteration is wide-spread and pervasive along the structures and elsewhere in the district. Mineralization appears to be largely a disseminated pyrite in the altered rock.

Since this deposit occurs wholly within the Mesozoic basement complex, it is probably not worth further consideration.

Respectfully Submitted,

E. H. Lindsey

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PEA VINE

Lindsey 9/22/65

The Pea Vine district located northwesterly of Reno is in an area of Mesozoic meta-volcanics and meta-sediments. There appear to be some Tertiary dikes in the area perhaps of Kate Peak age. Major mineralization is along a north-northeasterly

NOTES ON PEAVINE DISTRICT, WASHOE CO.

Examined 9/8/65 with Lindsey.

References: Bibliography of Geologic Literature (p.172) lists country rock as schist, quartz monzonite and Tv, and metals as Au, Ag, Cu, W, Pb. "Veins, replacements and placer deposits".

R. Anderson, 1910, "Geology and oil prospects of the Reno region," Nev. USGS Bull. 381, 475-493.

V.P. Gianella, 1941, "Nevada's common minerals, Univ. Nev. Bull. 35 (6), lists Peavine minerals: p.50: enargite, arsenp., bornite; p.57, cuprite; p.69, melanterite; p.70, stibiconite; p.71, rhodochrosite; p.72, sphene; p.74, zoisite; p.77, zeolites.

Lincoln, 1923, 237-238.

G.D. Souderback, 1903, "General geologic features of the Truckee region east of the Sierra Nevada," GSA Bull. 18, 662-669.

J.M. Hill, 1915, "Some mining districts in northeastern California & northwestern Nevada," USGS Bull. 594, 184-195.

Golden Fleece mine: On N side of the gulch a vertical shaft shows a wall striking N 10 E; dump shows some pyrite and highly altered rock. To the E is an adit, about same elevation as shaft collar. Starts N30E, turns toward N. Dump same as that of shaft.

On S side of gulch, downstream from shaft, is a half crosscut adit (SW). Abundant pyrite and dense, dark qtz. on dump. Also on S side of gulch, upstream and in line with NNE structure shown in shaft is a small double dump from a pit or adit; shows abundant pyrite and dense, dark qtz.

Country rock in this area is probably mainly basement metavolcanics with possibly some metashale. Attitudes may be steep. Some porphyritic andesite, looks like Tv. Probably as dikes. Some semi-plutonic looking rock might be pre-Tertiary qtz monzonite.

At shaft marked "Mine" on 1:62,500 map. ~~xxxx~~ NW of Golden Fleece, ~~xx~~ and west of main draw. Shaft vertical. Dump shows probable metavolcanics; small pile of the same pyrite and dark qtz. Below (E) is a very large dump, probably from an adit. Dump is altered, irony, ex-pyrite looking. Some bleaching.

Lining up of shaft, cuts, dumps suggests a N25-25 E trend, with shaft at NE end. The string of shafts just E of road to Peavine lookout suggest that they are on the same N-S structure as the Golden Fleece, also the first adit we looked at, not far N of Golden Fleece.

The most northerly shaft just E of the road-latest rock on dump is pyritized dark shale. Very little mineralization on dump. However, the next shaft to the S, with collar much higher, shows the same dark qtz and pyrite; also, a N35 E and an E-W structure.

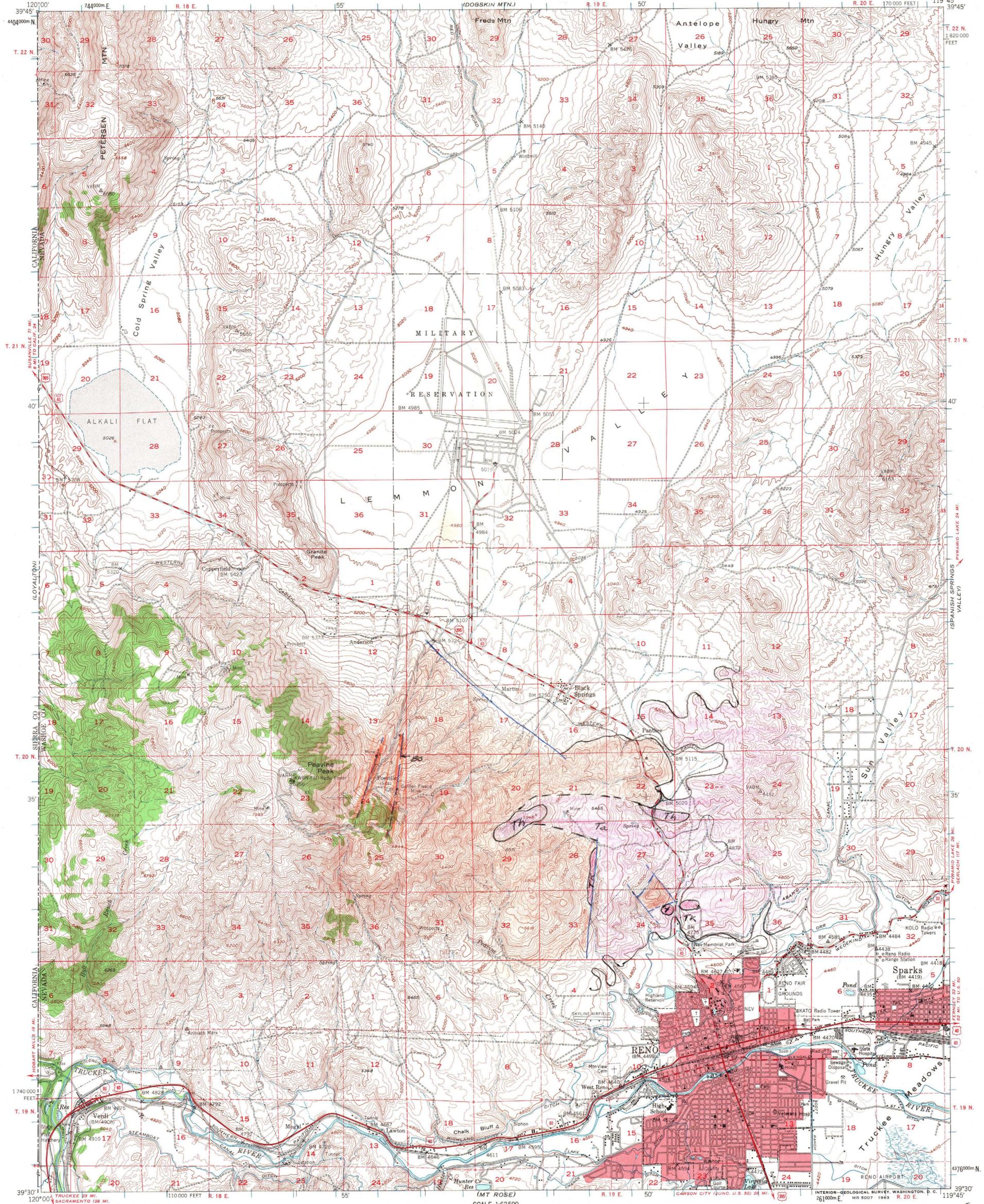
The suggestion is that the roughly N-S Golden Fleece structure passes through the shafts just described; dumps just across gulch o W seem to show prolongation of the NE structure; suggestion is that this joins the N-S structure somewhere near the closely-spaced shafts E of road.

Slemmons says he saw a big chunk of chalcocite from Peavine. It is surprizing that we noted no copper stain n nor copper minerals on the dump.

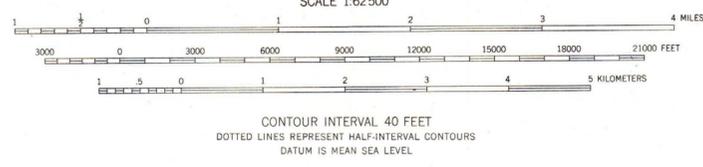
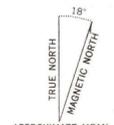
<u>Production.</u> -1872	10,052 tons	\$53,661	(\$5.37)
1873	13,618	68,354	(\$5.02)
1874	5,910	26,449	(\$4.47)
1909	157	283	(\$1.80)
1912	662	9,280	(14.00)
191 2	131	2,101	(16.10)
	30,530	\$160,128	(\$5.28)

Conclusions.- The fact that the Peavine deposits are almost certainly in the basement, combined with the low grade of ore produced seem to rob the district of interest to us. It is not even certain that the district is epithermal; certainly enargite is an uncommon epithermal mineral. The few vein structures seen did not look very strong, but if our assumptions are correct, they are persistent.

It is concluded that Peavine is without interest.



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946. Field check 1950
Polyconic projection. 1927 North American datum
10,000-foot grid based on Nevada coordinate system,
west zone
Red tint indicates area in which only
landmark buildings are shown
Dashed land lines indicate approximate location
Unchecked elevations are shown in brown
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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RENO, NEV.
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