

- a. Buena Vista (Unionville) district, Pershing County, Nevada.
- b. Geographic coordinates: $40^{\circ}28'$ N., $118^{\circ}09'$ W.
- c. Status of exploitation: Organized in 1861, shut down in 1880, reopened in 1906. Antimony produced from 1915 to 1917. Production to 1909 from the Arizona and Wheeler mines had an estimated value of about \$3,000,000 mostly in silver.
- d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Nev. Newsletter Pub. Co., Reno. p. 202-203; Vanderburg, W. O., 1936, ____: U. S. Bur. Mines Inf. Circ. 6902, p. 46-48.
- e. Adequacy of our present knowledge: Probably inadequate.
- f. Topographic coverage: Adequate, Unionville, 1954, 15-min. 1:62,500.
- g. Major mineralogic and geologic features: Triassic rhyolitic flows, andesitic lavas associated with tuffs, conglomerates, grits, and limestone overlain by limestones, quartzites, and slates of the Star Peak formation. The Arizona lode is a bedded vein in limestone about 25 ft. above the rhyolite. The gangue is quartz and calcite, and the ore minerals are pyrite, galena, sphalerite, tetrahedrite, and argentite, silver sulfantimonite, and sheelite. The Manoa mine is in Koipato rhyolite in a shear zone near a basalt dike. The ore is a replacement of crushed rhyolite, with galena, sphalerite, tetrahedrite, and possibly silver sulfantimonite in a gangue of barite and quartz.

Cu-0

Pb-0

Zn-0

Ag-1

Au-0

Silver in the United States

(Data sheets for individual mining districts, prepared in conjunction with metallogenic map for 1960 International Geological Congress.)

Authorship:

- E. T. McKnight - All districts west of the Mississippi River, except most of those silver-producing districts containing less than 1,000 tons of lead or zinc in the following states: Arizona, New Mexico, Nevada, Oregon and Washington. Also the following silver districts in 4 of the states mentioned: Vulture, and Helvetia, Ariz.; *Ash Peak, Miami, Globe,* Apache, Black Range, Chloride Flat, Georgetown and Lake Valley, New Mexico: Ashwood and Granite, Oregon; Deertrail, Nesselam and Ruby-Conconully, Washington. *White Pine district, Michigan.*
- A. V. Heyl, Jr. - All districts east of the Mississippi River (except *White Pine, Mich.*)
- Harry Klemic and W. L. Newman - Silver districts not associated with lead or zinc, in Arizona, New Mexico, Nevada, Oregon, and Washington (except as listed above).

Size categories of deposits (as penciled in left margins)

	0	1	2	3
Cu	Less than 1,000 tons	1,000 to 50,000 tons	50,000 to 1,000,000 tons	More than 1,000,000 tons
Pb	"	"	"	"
Zn	"	"	"	"
Ag	Less than 100,000 oz.	100,000 to 5,000,000 oz.	5,000,000 to 50,000,000 oz.	More than 50,000,000 oz.
Au	Less than 10,000 oz.	10,000 to 100,000 oz.	100,000 to 1,000,000 oz.	More than 1,000,000 oz.

(NOTE: Categories for Au are less certain than for others.)

*District No. on
metallogenic map
penciled at lower
right.*