

0830 0005

151
Item #5

- Cu-1
Pb-1
Zn-0
Ag-1
Au-2
- a. Bullion district, Lander County, Nevada.
- b. Geographic coordinates: $40^{\circ}22'N$, $116^{\circ}44'W$.
- c. Status of exploitation: Active and important gold producing district, with some silver, at least through 1957; copper and lead have usually been by-product. Chief gold production has been since World War II, other metals chiefly prior to 1943, starting in 1870s, but fluctuating.
- d. References: Vanderburg, Wm. O., 1939, Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043, pp. 39-46.
- Emmons, W. H., 1910, A reconnaissance of some mining camps in Elko, Lander and Eureka Counties, Nevada: U. S. Geol. Survey Bull. 408, pp. 113-121.
- e. Adequacy of our present knowledge: Inadequate. But district would rate restudy only as a gold district.
- f. Topographic coverage: 1:62,500, 1949.
- g. Major mineralogic and geologic features: Quartz fissure veins and sheeted lodes, in Carboniferous limestone, quartzite, siliceous shale, andesite, and granodiorite. Granodiorite intrusive with porphyritic phases, also andesite (? may be a flow); age not determined. Quartz, pyrite, galena, jasper, bornite, tetrahedrite, arsenopyrite, chalcoppyrite, gold; oxidized ore, from which most of production has come, includes cerussite.

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, Mespelem and Ruby-Concomully, 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.*