

3890 0031

160

Item # 42

- Cu-0  
Pb-0  
Zn-0  
Ag-2  
Au-1
- a. Reese River district, Lander County, Nevada.
- b. Geographic coordinates:  $39^{\circ}28'N.$ ,  $117^{\circ}04'W.$   
Town of Austin is at center of district.
- c. Status of exploitation: Rich silver ore discovered in 1862 and production to 1903 is estimated at \$26,000,000, chiefly silver with some gold. Little activity between 1911 and 1935. From 1902 to 1936 produced 419,389 oz. Ag.
- d. References: Vanderburg, W. O., 1939, -----: U. S. Bur. Mines Inf. Circ. 7043; Hill, J. M., 1915, -----
- e. Adequacy of our present knowledge: ?
- f. Topographic coverage: ?
- g. Major mineralogic and geologic features: Productive parts of district is underlain by quartz monzonite which intruded quartzites and shales in late Cretaceous or early Tertiary time. Sedimentary rocks older than carboniferous. Pyrite, chalcopryrite, arsenopyrite, galena, sphalerite, wurtzite and tetrahedrite occur in simple veins mostly cutting quartz monzonite but some cut schistose quartzites. Gangue minerals consist of white and dark quartz, rhodochrosite, and calcite arranged in bands. Ore minerals include pyrrargyrite, proustite, stephanite, polybarite, tetrahedrite, argentiferous galena, zinc blende. Above the water table the ores carried horn silver and chlorides, oxides and salts of the associated metals.

## 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, Nappalam 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
	Less than 1,000 tons	1,000 to 50,000 tons	50,000 to 1,000,000 tons	More than 1,000,000 tons
Cu				
Pb	"	"	"	"
Zn	"	"	"	"
	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.
Ag				
	Less than 10,000 oz.	10,000 to 100,000 oz.	100,000 to 1,000,000 oz.	More than 1,000,000 oz.
Au				

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

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