

- a. Comstock district, Storey County, Nevada.
- b. Geographic coordinates: $39^{\circ}18'N.$, $119^{\circ}38' W.$
- c. Status of exploitation: This district includes Washoe, Virginia City, Gold Hill, Silver Star. Placer gold discovered in 1849, Ophir bonanza discovered in 1859. Production 1859-1921 was \$222,315,814 Ag, \$164,023,917 Au, \$1,778 Pb, \$5,421 Cu.
- d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Reno, Nevada Newsletter Publishing Co., p. 222-233; Bastin, E. S., 1922, Bonanza ores of the Comstock Lode, Virginia City, Nevada; U.S. Geol. Survey Bull. 735, p. 41-63; Univ. Nev. Bull., v. 37, no. 3, 1943.
- e. Adequacy of our present knowledge: Adequate.
- f. Topographic coverage: Adequate, Comstock Lode district 1935, Virginia City 1950, and Dayton, 1956, 15-min. quad. 1:62,500.
- g. Major mineralogic and geologic features: Country rock is late Tertiary igneous rock ranging from diorite to augite-andesite. Faulted and shattered blocks with nearly vertical fissures that join the lode at depth but pinch out above. The lode is 100 to 1,400 ft. wide and about 13,000 ft. long. Cross and parallel veins and branching veins and ~~branching veins~~ occur in the district. Country rocks are highly altered and hydrothermal activity still continues. Ores consist of quartz, calcite, sphalerite, galena, chalcopryite, pyrite, argentite, gold with a high silver content, polybasite, native silver, covellite, chalcocite, anglesite, wulfenite, hornsilver, pyrrazzyrite, stephanite, sternbergite, eposonite, gypsum, melanterite, sulphates of manganese, aluminum, and copper, kaolin and oxides of iron and manganese.

Cu-0
Pb-0
Zn-0
Ag-3
Au-3

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, ^{Ash Peak,} and Helvetia, ^{Miami, Glo.} Ariz.; Apache, Black Range, Chloride Flat, Georgetown and Lake Valley, New Mexico: Ashwood and Granite, Oregon; Deertrail, Nespalem 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.*

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Size categories of deposits (as penciled in left margins)

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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.

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