

5420 0022

(21)
Item # 22

Cu-0

Pb-0

Zn-0

Ag-2

Au-1

- a. Wonder district, Churchill County, Nevada.
- b. Geographic coordinates: $39^{\circ}27'N.$, $118^{\circ}02'W.$
- c. Status of exploitation: Discovered about 1906, production 1907 to 1921 was valued at \$5,838,765. About 5 million oz. silver by 1918; between 1950 and 1957, about 1,000 plus oz. silver produced. From 1907 to 1937 6,524,150 oz. Ag, 69,340 oz. Au.
- d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Nev. Newsletter Pub. Co., Reno, p. 14-15. Vanderburg, W. O., 1940, -----: U. S. Bur. Mines Inf. Circ. 7093.
- e. Adequacy of our present knowledge: ?
- f. Topographic coverage: Inadequate, Carson Sink 1908, one degree, 1:250,000.
- g. Major mineralogic and geologic features: Complex of Tertiary eruptives. Ore-bearing veins in the Wonder rhyolite, the oldest rock in the district. Veins are of quartz and feldspar with silver and gold ore. Ore is quartz banded with feldspar. Contains fluorite, limonite, and manganese oxide stains. Vein at contact of intrusive dacite in the rhyolite, strikes N. $25^{\circ}W.$, dips $75^{\circ}E.$ Ore contains argentite, embolite, iodobromite, and bromyrite, native gold, and traces of copper and lead. No zinc above the 1,300 ft. level.

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, Nespelem 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.*