

- Cu-1
Pb-1
Zn-1
Ag-2
Au-1
- a. Ward district, White Pine County, Nevada.
 - b. Geographic coordinates: $39^{\circ} 05'N$, $114^{\circ} 53'W$.
 - c. Status of exploitation: Rather small production of silver and lead in 1949 - 56, preceded by a single year (1948) of considerable production; prior to that, history of camp was one of intermittent but rather small production except for large silver production in 1874-82. Zinc content of ores mostly not recovered.
 - d. References: Hill, J. N., 1916, Notes on some mining districts in eastern Nevada: U. S. Geol. Survey Bull 648, pp. 180-86.
 - e. Adequacy of our present knowledge: Inadequate. District is in a generally promising area; and geology is such that restudy with mapping might lead to further discoveries. District is in area that will presumably be covered by new project of A. L. Brokaw.
 - f. Topographic coverage: New mapping at 1:24,000 in progress, advance prints available 9/1/59.
 - g. Major mineralogic and geologic features: Veins and replacement deposits (in both kinds of rock) along contact of thick quartz monzonite porphyry dikes with Pennsylvanian limestone, also in limestone inclusion in the porphyry. Thick quartz monzonite porphyry dikes, early (?) Tertiary. Jack, pyrite, galena, locally chalcopyrite, a little freibergite; quartz; limestone is silicified. But rich ores mined in past were largely oxidized, with the silver occurring as cerargyrite.

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, Nespelen 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.*