

3220 0014

Cu-0
Pb-0
Zn-1
Ag-1
Au-0

- a. Mount Hope district, Eureka County, Nevada (Mt. Hope mine).
- b. Geographic coordinates: $39^{\circ}47'N$, $116^{\circ}10'W$.
- c. Status of exploitation: Operated only 4 years, 1943-47 for zinc (cadmiferous), silver and minor lead; shut down as uneconomic after power house burned. Reserves are limited by small size of roof pendant in which ore occurs.
- d. References: Matson, E. J., 1946, Exploration of the Mount Hope mine, Eureka County, Nevada: U. S. Bur. Mines Rept. Inves. 3928. Merriam, C. W., 1944, Brief report on the Mount Hope zinc mine, Eureka County, Nevada: Mineral Deposits Branch file report.
- e. Adequacy of our present knowledge: Inadequate. District rates a geologic study for regional relationships, as a cadmiferous zinc district.
- f. Topographic coverage: 1:62,500, 1949.
- g. Major mineralogic and geologic features: Replacement bodies on bedding and along fault fissures in altered Pennsylvanian limestone roof pendant in an alaskite stock, also at contact of limestone with the igneous rock; all above a pre-igneous thrust fault. Porphyritic alaskite stock, age not determined. Marmatite (cadmiferous) minor galena, pyrrhotite, chalcopyrite; calcite, garnet, pederbergite(?).

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.; Apache, Black Range, Chloride Flat, Georgetown and Lake Valley, New Mexico: Ashwood and Granite, Oregon; Deertrail, Neppalem 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.*