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Item # 36

- a. Yerington district, Lyon County, Nevada.
- b. Geographic coordinates: 119°10' W., 38°59' N. (Town of Yerington considered to be at the center of a rather large district.)
- c. Status of exploitation: Main output has been copper ore--at one time was second largest copper producer in State. Large known reserves of porphyry copper type ore (50,000,000 tons containing 1.2% Cu--Empire Nevada Mine.)
- d. References: Univ. Nev. Bull., v. 44, no. 1, March 1950, p. 83-95.
- e. Adequacy of our present knowledge: Probably adequate. Covered by U. S. Geol. Survey Prof. Paper 114, but the reported extensive low grade porphyry copper deposit should be looked at!
- f. Topographic coverage: Probably adequate.
- g. Major mineralogic and geologic features: Metamorphic sedimentary rocks intruded by dikes and border of quartz monzonite. Tertiary volcanic rocks rest unconformably on Mesozoic rocks. Ore bodies are contact-metamorphic replacements of limestone and are related to faulting. Principal ore consists of pyrite and chalcopyrite in a gangue of pyroxene, garnet and epidote.

Cu-3

Pb-0

Zn-0

Ag-2

Au-?

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, Nesselam and Ruby-Conconully, Washington. *White Pine district, Michigan.*
- A. V. Hoyl, 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.*