

2870 0034

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Item # 48

- Cu-0
Pb-1
Zn-0
Ag-1
Au-1
- a. Lone Mountain district, Esmeralda County, Nevada.
 - b. Geographic coordinates: $37^{\circ}57'N$, $117^{\circ}25'W(\pm)$.
 - c. Status of exploitation: No production since 1951, and only small intermittent production since 1930 except for sustained run of modest precious metal production in late 1930's. District probably had a similar earlier history, beginning in the early part of this century, with values largely in silver, *some lead*.
 - d. References: Ball, S. H., 1907, A geologic reconnaissance in southwestern Nevada and eastern California: U. S. Geol. Survey Bull. 308, p. 51-55.
 - e. Adequacy of our present knowledge: Inadequate. But district does not appear promising enough to warrant project.
 - f. Topographic coverage: 1:250,000, 1907 and 1911. Small part of district has new mapping at 1:62,500 in progress, but no prints available 9/1/59.
 - g. Major mineralogic and geologic features: Replacement deposit in Cambrian limestone along contact with porphyry dike or sheet; and other deposits pockety along the bedding in the limestone, bordering granite intrusive. Granite batholith, small diorite stock, sheets and dikes of diorite porphyry; all post-Jurassic and probably pre-Tertiary. Galena, pyrite, probably chalcopyrite; quartz; but probably most of production from oxidized ores; early production largely in silver which was richer in the lead carbonate than in the galena.

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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. 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.*