

3150 0017

(97)
Item # 17

- a. Montezuma district, Esmeralda County, Nevada.
- b. Geographic coordinates: 37°43'N., 117°23'W.
- c. Status of exploitation: Discovered 1867, active to 1887 during which time it produced about \$500,000 mainly in silver, but some gold. Small shipments since 1905.
- d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Reno, Nev. Newsletter Pub. Co., p. 78-79.
- e. Adequacy of our present knowledge:
- f. Topographic coverage: Inadequate, Lida, 1911, 1 degree, 1:250,000.
- g. Major mineralogic and geologic features: Cambrian limestone, shales, and quartzite intruded by granite, quartz monzonite, and diorite, and capped by Tertiary volcanics and interbedded lake beds. Ore bodies are veins in limestone and shale and replacements in limestone sometimes at quartz monzonite contacts. Gangue is quartz, a little calcite and kaolin, and altered limestone. Near surface ore minerals are cerussite, copper, malachite, azurite, manganese dioxide, and limonite; at depth there is galena, chalcocite, and pyrite. Silver chlorides near surface and argentite at depth. Jamesonite and bismuth are reported.

Cu-O

Pb-O

Zn-O

Ag-1

Au-O

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