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Item #113

0480 0102

a. Battle Mountain district, Lander County, Nevada.

b. Geographic coordinates: 40°34'N, 117°07'W.

c. Status of exploitation: Active and important producer at least through 1957. Predominantly a copper district, starting in 1868, with major period of production 1936 to date, but there was large production in late 1920s and in World War I. Lead production has been substantial, reaching peak in 1948-52 followed by drastic reduction, and has not coincided with copper peaks (i.e., some years in 1920s had considerable, others insignficent lead production). Zinc production almost all since 1942, important only in 1948-52. Silver production continuous but fluctuating, starting in early days, withpeak 1940-52.

Cu-1
Pb-1
Zn-1
Ag-2
Au-2

d. References: Roberts, Ralph J., 1951, Geology of the Antler Peak quadrangle, Nevada: U. S. Geol. Survey Geol. Quad Maps of the U. S., 1951

e. Adequacy of our present knowledge: Adequate

f. Topographic coverage: 1:62,500, 1940.

g. Major mineralogic and geologic features: Veins, commonly on faults, in Mississippian (?) and Pennsylvanian shale (hornfels), conglomerate and quartzite; replacement lodes in the hornfels. Quartz monsonite stocks, quartz monzonite porphyry dikes and sheets, Jurassic or Cretaceous. Argentiferous galena, jack, pyrite, arsenopyrite, chalcopyrite, pyrrhotite, tetrahedrite, marcasite, locally molybdenite; quartz, calcite, siderite; early ores oxidized.

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, Nespelem and Ruby-Conconully, Washington. Ash Peak, Miami, Globe,

A. V. Heyl, Jr. - All districts east of the Mississippi River (except White Pine district, Michigan. 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 1,000,000 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.