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Item #

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- a. Hawthorne district, Mineral County, Nevada.
- b. Geographic coordinates: $38^{\circ}28'N$, $118^{\circ}40'W$.
- c. Status of exploitation: Piddling production of silver, lead and gold as late as 1957, but last significant production was 1938-42. There was moderate production of gold and silver in the "early days", since when the output has been intermittent and on the whole rather small.
- d. References: Hill, J. M., 1915, Some mining districts in northeastern California and northwestern Nevada: U. S. Geol. Survey Bull 594, pp. 151-157.
- e. Adequacy of our present knowledge: Inadequate; but district not promising enough to rate new project.
- f. Topographic coverage: 1:62,500, 1935.
- g. Major mineralogic and geologic features: Vein along or near contact of intrusive with Mesozoic limestone. Granodiorite intrusive, probably late Jurassic. Galena, tetrahedrite, jack, pyrite; quartz, barite.

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

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, ^{Ash Peak,} and Helvetia, Ariz.; ^{Miami, Globe,} Apache, Black Range, Chloride Flat, Georgetown and Lake Valley, New Mexico; Ashwood and Granite, Oregon; Deertrail, Nappalam 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
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*