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Item # 38

a. Tybo district, Nye County, Nevada.

b. Geographic coordinates:  $38^{\circ}22'N$ ,  $116^{\circ}24'W$ .

c. Status of exploitation: Last production in 1953. There was only small intermittent production 1944-53, partly from old slag, and moderate production 1938-43. However, from 1929-1937, operations by the Treadwell-Yukon Mining Co. in the district made Tybo a major producer of lead, zinc and silver even though the operation was closed for more than two years (late 1931 to early 1934) during the depths of the Depression. At the end of this operation the sulfide reserves were depleted and the plant dismantled; later production has been insignificant. There was an early period of production, 1869-88, when silver, lead and gold were produced, in large part from oxidized ores.

d. References: Ferguson, H. G., 1933, Geology of the Tybo district, Nevada: Univ. of Nev. Bull., Geol. and Mining ser., no. 27, no. 3.

e. Adequacy of our present knowledge: Adequate

f. Topographic coverage: None

g. Major mineralogic and geologic features: Replacement bodies in quartz latite porphyry dikes in Cambrian and Ordovician limestone, along a fault on which renewed movement had taken place following igneous intrusion. Dikes, flows and sills of quartz latite porphyry, possibly early Tertiary, possibly Miocene. Pyrite, jack, galena, chalcopyrite, pyrrhotite, arsenopyrite; a little quartz, considerable calcite, some of which is manganeseiferous. Early ores oxidized.

Cu-0

Pb-1

Zn-1

Ag-2

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 <sup>4</sup> 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, 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
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.*