(254)
Item #64

4840 0062

a. Tonopah district, Nye County, Nevada.

b. Geographic coordinates: 38°05'N., 117°14'W.

c. Status of exploitation: Discovered in 1900. Production valued at $600 in 1900, and about $4,000,000 in 1901. Production 1900-1921 was 138,511,563 oz. Ag., $30,360,903 oz. Au., 107 tons Pb., 6 tons Cu.

Cu-0
Pb-0
Zn-0
Ag-3
Au-3

d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Reno, Nev. Newsletter Pub. Co., p. 184-193; Kral, 1951, Nev. Univ. Bull. 50; Hewett, D. F., Callaghan, Eugene, Moore, B. N., Nolan, T. B., Rubey, W. W., and Schaller, W. T., 1936, Mineral resources of the region around Boulder Dam: U. S. Geol. Survey Bull. 871.

e. Adequacy of present knowledge: Adequate ?

f. Topographic coverage: Inadequate, Tonopah Mining Map 1903, less than 1 minute square, 1:12,000, Tonopah 1907, one degree, 1:250,000.

g. Major mineralogic and geologic features: Tertiary volcanics-surface flows and intrusives, and a lake deposit of volcanic tuff. Beds are complexly faulted, but are flat lying. The ore deposits are replacement veins. Principal deposits in Mizpah trachyte and in the West End Rhyolite and the Midway andesite. Quartz, calcite, dolomite, iron and manganese carbonates, sphalerite, galena, chalcopyrite, pyrargyrite, polybasite, argentite, electrum, polybasite, arsenopyrite, and argyrodite. Wolframite occurs in younger mineralized zones. In secondary ores embolite, iodobromite, iodyrite, hyaline, hydroud oxides of iron, manganese oxides, malachite, calamine, kaolin, dahlite, barite, gypsum, gold, and silver. Selenium occurs in an undetermined mineral perhaps in electrum.

97

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, Miami, Globe, and Helvetia, Ariz.; Apache, Black Range, Chloride Flat, Georgetown and Lake Valley, New Mexico: Ashwood and Granite, oregon; Deertrail, Nespelem and Ruby-Conconully, Washington.

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 1,000,000 oz. 50
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.