29600052

240

Item # 52

a. Manhattan district, Nye County, Nevada.

b. Geographic coordinates: 38°33'N., 117°03'W.

c. Status of exploitation: Discovered in 1905. Production 1906-1921 was 76,855 oz. Ag., and $4,112,607, Au.

Cu-0
Pb-0
Zn-0
Ag-1
Au-2

d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Reno, Nev. Newsletter Pub. Co., p. 175-177; Kral, 1951, -----: Nev. Univ. Bull. 50; Ferguson, H. G., 1924, Geology and ore deposits of the Manhattan district, Nevada: U. S. Geol. Survey Bull. 723.

e. Adequacy of present knowledge: Adequate.

f. Topographic coverage: Adequate, locally Manhattan district 1914, special map about 3 min. by 4 min., 1:24,000. Inadequate in adjoining area. Tonopah 1907, one degree, 1:250,000.

g. Major mineralogic and geologic features: Paleozoic sediments cut by Cretaceous granodiorite on the S., and capped by Tertiary eruptives on the N. The Paleozoic rocks are mainly schists, with lenses of quartzite and beds of limestone. Close folds in part overturned to the N.; Tertiary rocks are mostly rhyolite breccias, but include lake beds and andesite. Veins and stockworks occur in the Paleozoic and Tertiary rocks. Quartz, calcite, fluorite, adularia, pyrite with specks of free gold, galena, Tetrahedrite, chalcopyrite, tourmaline, feldspar and limonite occur in the veins. Dolomite leverrierite arsenopyrite, stibnite, realgar, orpiment occur in one deposit. The realgar and orpiment carry gold.

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, Miami, Globe, 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, Mich.) White Pine district, Michigan.

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.