2790 0022

(156)

Item # 22

a. Lewis district, Lander County, Nevada.

b. Geographic coordinates: 40°27'N. 116°52'W.

c. Status of exploitation: Intermittent production as late as 1957, but little since 1950; started producing in 1876, with peak of production (Betty O'Neal mine) 1923-1929. Essentially a silver district with subordinate gold and minor lead.

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

d. References: Vanderburg, Wm. O., 1939, Reconnaissance of mining districts in Lander County, Nevada: U. S. Bur. Mines Inf. Circ. 7043, pp. 59-64.

e. Adequacy of our present knowledge: Inadequate. District would rate a new project only as a silver camp; base metals comparatively insignificant.

f. Topographic coverage: 1:62,500, 1949.

g. Major mineralogic and geologic features: Veins in granodiorite, Carboniferous quartzite, and (in part replacement) in Carboniferous limestone and slate. Intrusive granodiorite, quartz porphyry dikes, age not determined. Tetrahedrite, stephanite, argentite, polybasite, galena, pyrite, chalcopyrite, arsenopyrite, jack, free gold, quartz, some calcite and barite; cerargyrite in oxidized zone.

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 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.