2670 0007

(94)

Item # 7

a. Klondyke district, Esmeralda County, Nevada.

b. Geographic coordinates: 37°54' N., 117°13' W.

c. Status of exploitation: Discovered in 1899. Production from one property in the district up to 1905 was valued at $50,000. Annual production from 1905-1921, in which period 277,466 oz. Ag was produced.

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

d. References: Lincoln, F. C., 1923, Mining districts and mineral resources of Nevada: Reno, Nev. Newsletter Pub. Co., p. 75-76; Spurr, J. E., 1906, The Southern Klondyke district, Esmeralda County, Nevada: Econ. Geology, v. 1, p. 369-382.

e. Adequacy of our present knowledge:

f. Topographic coverage: Adequate; Mud Lake, 1952, 15-min. quadrangle, 1:62,500.

g. Major mineralogic and geologic features: Cambrian sedimentary rocks intruded by Cretaceous(?) granite and capped by Tertiary volcanic rocks. One vein parallels a granite dike and cuts across the sedimentary rocks. Vein filling is quartz containing a copper antimony-silver compound, galena, and pyrite. Silver chloride predominates, with minor gold. Other minerals in small amounts are siderite, calcite, hematite, and wad. Turquoise occurs in seams and veinlets filling joints and fractures in black slaty jasperoid near overlying granite.

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.