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Item #6

2860 0038

a. Quartz Mountain district, Nye County, Nevada (San Rafael mine).

b. Geographic coordinates: 39°03'N, 117°58'W.

c. Status of exploitation: Mine last worked for lead and silver (and a little gold, zinc and copper) in 1953, except for nominal production in 1956. District discovered in 1920, had moderate production 1921-27, and 1936-53.

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

d. References: Kral, Victor E., 1951, Mineral resources of Nye County, Nevada: Univ. of Nev. Bull., Geol. and Mining Ser. No. 50, pp. 93-95.

e. Adequacy of our present knowledge: Inadequate; though only moderately productive to date, little is known of district, and it might be worthy of a project.

f. Topographic coverage: None

g. Major mineralogic and geologic features: Veins in Triassic limestone along igneous contact (along small andesite dike in San Rafael mine). Late Jurassic intrusive of granodiorite porphyry [Tertiary andesite intrusives reported to be later than ore; however, San Rafael ore is along andesite dike, and elsewhere in the vicinity ore is associated with the Tertiary intrusives]. Argentiferous cerussite, some residual galena (but later production shows some copper, zinc, probably sulfide.

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

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 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.