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Item # 9

a. Candelaria (Columbus) district, Mineral County, Nevada.

b. Geographic coordinates: 38°09'N, 118°05'W.

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

c. Status of exploitation: Active (at least in 1957) modest producer of silver, gold and lead. District was a major producer of silver from 1873-1892. Later production has been intermittent, the latest important production from 1939 to date, during which period lead production has been relatively greater than in earlier periods.

d. References: Knopf, Adolph, 1922, The Candelaria silver district, Nevada: U. S. Geol. Survey Bull 735A, pp. 1-22.

Page, B. M., 1959, Geology of the Candelaria mining district, Mineral County, Nevada: Nev. Bur. Mines Bull. 56.

e. Adequacy of our present knowledge: ~~=~~adequate~~,~~ ~~particularly as to geologic environment, and geologic map is reconnaissance only. District would be worthy of a silver district project.~~

f. Topographic coverage: 1:250,000, 1909.

g. Major mineralogic and geologic features: Narrow veins in Ordovician(?) argillites and feluites. Quartz monzonite porphyry stock and dikes, of late Jurassic(?) age. Pyrite, jack, jamesonite, subordinate chalcopyrite, galena, arsenopyrite; manganiferous ferro-dolomite; but all ore are thouroughly oxidized, with bindheimite a prominent constituent.

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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.