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- a. Merrimac district, Elko County, Nevada (Rip Van Winkle mine).
- b. Geographic coordinates: $41^{\circ}07'N$, $116^{\circ}0'W$.
- c. Status of exploitation: Shut down in 1951, but made small production in 1954, none since. Though intermittently productive 1866-1930, this output was small; main production came 1936-1951, fairly steady though fluctuating modest production of lead, silver, zinc, and minor copper.
- d. References: Granger, A. E., Bell, M. M., Simmons, G. C., and Lee, Florence, 1957, Geology and mineral resources of Elko County, Nevada: Nev. Bur. Mines Bull. 54, p. 106-112.
- e. Adequacy of our present knowledge: Inadequate. Though Rip Van Winkle mine has had detailed study, the geologic setting is inadequately known. District does not appear important enough to rate a very high priority on a modern restudy.
- f. Topographic coverage: 1:24,000, 1958; and in part, new mapping in progress, prints available 7/1/59.
- g. Major mineralogic and geologic features: Veins, in part replacement, on branching faults bordering a synclinal graben mass in Mississippian cherty shale, calcareous shale and shaly limestone, with some bedding replacement in latter where extensively broken. Intrusive quartz monzonite and quartz monzonite porphyry, age not given. Galena, pyrite, chalcopyrite, arsenopyrite, (jack?), and their oxidation products, including pyromorphite; quartz gangue.

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

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, Nespelen and Ruby-Concomully, Washington. *White Pine district, Michigan.*

A. V. Heyl, Jr. - All districts east of the Mississippi River (*except 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.*