

3180 0021

District Morey

Location Nye County, Hot Creek Range

Au/Ag ratio 1/250

Chief ore minerals Owyheeite, diaphorite, andorrite, pyrargite, stephanite, jamesonite, galena, sphalerite, arsenopyrite, pyrite, galena, miagyrite, silver chlorargyrite, manganese oxides, bournonite, bindheimite, molybdenite, chalcopyrite, covellite

Rare or unusual minerals cassiterite, fizelyite, franslebenite, quartzite, boulangerite, canfieldite, alabandite

Gangue minerals Quartz, rhodochrosite

Host rock Rhyolitic ash-flow tuff

Alteration Silicification, potassic, phyllitic, propylitic, argillitic

Mineralization age \approx 30 m.y.

Vertical range Au-Ag ore > 200 m

Production 13,600 Kg, Ag
54 Kg, Au

Deposit type Vein and stockworks,

Selected references Kleinhampl, F. J., and Zimny, J. I., 1982, Geology and mineral deposits of Northern Nye County, Nevada: Nevada Bureau of Mines and Geology Bulletin parts A and B.
Williams, S. A., 1968, Complex silver ores from Morey, Nevada, The Canadian Mineralogist

Comments

Veins occur above ^{subeconomic} stockwork type Cu-Mo mineralization
in intracaldera tuff of the Morey Peak cauldron.
Geologic setting and mineralogy similar to Oruro and Potosi in Bolivia

Lead zinc Silver Copper Arsenic Molybdenum