

PENTLANDITE



A widespread nickel mineral occurring in massive sulfide bodies that are associated with mafic and ultramafic rocks. Commonly associated with pyrrhotite and other iron and copper sulfides. Northern Peninsula.

Marquette County: Identified as a major constituent of the accessory sulfide assemblage of the partly serpentinized Yellow Dog peridotite (plagioclase lherzolite) body represented by two outcrops in sections 11 and 12, T50N, R29W (Klasner et al., 1979). Other species in the sulfide assemblage are (major) pyrrhotite, chalcopyrite; (minor) pyrite, cubanite; and (trace) mackinawite, marcasite, bornite, and covellite. Pentlandite occurs generally with pyrrhotite or chalcopyrite. See olivine, augite, enstatite, and chalcopyrite.

FROM: Robinson, G.W., 2004 Mineralogy of Michigan by E.W. Heinrich updated and revised: published by A.E. Seaman Mineral Museum, Houghton, MI, 252p.