

## PECORAITE



Pecoraite is a relatively rare member of the kaolinite-serpentine group. It often occurs as a low-temperature alteration product of millerite, and is typically poorly crystallized, rendering it difficult to distinguish from its more common polymorph, népouite. Northern Peninsula.

**Marquette County:** Presque Isle, Marquette: Energy dispersion X-ray spectra obtained from a number of pale yellow-green to bright grass green minerals replacing millerite from this locality all show significant amounts of Ni, Si and O, with minor, variable amounts of Mg. An X-ray powder diffraction pattern obtained from the mineral shows it is nearly amorphous, but with several very weak peaks that match well for pecoraite with admixed calcite.



*Microcrystals of hematite on pecoraite from Presque Isle, Marquette County; field of view approximately 5 mm; Shawn Carlson specimen, John Jaszczak photograph.*



*Microcrystals of hematite on pecoraite from Presque Isle, Marquette County, field of view approximately 2.3 mm; Shawn Carlson specimen, John Jaszczak photograph.*

**UPDATE FROM: Robinson, G.W., and Carlson, S.M., 2013, Mineralogy of Michigan Update: published online by A.E. Seaman Mineral Museum, Houghton, MI, 46p.**