

PYROPHYLLITE



Pyrophyllite is a common constituent of low-grade regionally metamorphosed aluminous rocks and also forms by hydrothermal alteration of felsic volcanic rocks. Northern Peninsula.

Marquette County: **1.** Moore mine: irregular bodies of radiating crystals in meta-pyroclastic unit interlayered with hematite-goethite iron formation. Verified by X-ray diffraction (Bailey and Tyler, 1960). **2.** Hawke (1976, page 52) reports “some very fine specimens of the foliated, radiating, silvery white variety of pyrophyllite on the waste rock pile of an old iron mine on the south side of Republic” (now engulfed by the huge Republic open-pit). In magnetite schist. Unverified. **3.** On south side Palmer basin, section 32, R26W, T47N in quartz veins in Ajibik Quartzite. Confirmed by X-ray diffraction.

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.