CHERALITE 
(Ca$_{0.5}$Th$_{0.5}$)PO$_4$

Cheralite is a member of the monazite group, and the Ca- and Th-dominant analog of monazite-(Ce). It is a relatively rare mineral, known predominantly from a few granitic pegmatite occurrences. Northern Peninsula.

**Marquette County:** Grizzly pegmatite, exposed in road cut along highway M-95, SE ¼ NW ¼ section 21, T47N, R29W, north of Republic. Occurs as resinous to dull, anhedral, gray-brown grains disseminated in pegmatite. Verified by X-ray diffraction and energy dispersion X-ray spectrometry (Simmons, 2009).