

## **EPSOMITE**



A supergene alteration mineral often resulting from the oxidation of sulfide minerals in magnesium-rich rocks; also as a precipitate from mineral springs and evaporite deposits. Northern and Southern Peninsulas.

**Dickinson County:** Groveland mine: As a pale yellow, green or brown efflorescence on marcasite; post-mining in origin. Also as colorless-to-white coatings on hematite; both verified by X-ray diffraction (J. Selway, personal communication, 2000).

**Wayne County: 1.** Flat Rock quarry: Occurs as efflorescences on quarry walls (D. H. Garske, personal communication). **2.** Sibley quarry, Trenton: With calcite, celestine, fluorite, gypsum, and rare sulfur (Morris, 1983).

**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.**

### **UPDATE**

**Iron County:** Homer-Wauseca mine, Iron River: Small, snow-white, efflorescent aggregates on massive tamarugite and pickeringite showed Mg, S, and O as the only major elements present in their energy dispersion X-ray spectra. Epsomite is thought to be the most likely species present.

**Marquette County:** Presque Isle, Marquette: As a white efflorescence on sulfide veins in a prospected cove along the northeast side of the peninsula. Verified by X-ray diffraction and energy dispersion X-ray spectrometry.

**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.**