

GREENALITE



A sedimentary iron silicate. It is uncommon in Michigan iron formations owing to their metamorphism. Many of the hematite-chert-chlorite ovoids reported from jaspillite in the Vulcan Iron Formation are probably pseudomorphous after greenalite (Bayley, 1904; Allen, 1910; Van Hise and Leith, 1911, page 314). Northern Peninsula.

Dickinson County: Iron mines near Waucedah: As greenish gray masses associated with brown iron ore. Confirmed by X-ray diffraction (T. M. Bee, personal communication, 2000).

Gogebic County: Gogebic iron range: Found in the Ironwood Formation. (Van Hise and Leith, 1911; Mann, 1953); in oolitic phases (Schmidt, 1980).

Iron County: Iron River district: A minor constituent of pyritic slate (James, 1955). James et al. (1968) identified greenalite by X-ray diffraction in slate of the Wauseca pyritic member.

Marquette County: Volunteer-Maitland mine. In iron formation (Snelgrove et al., 1944; Mann, 1953).

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.