

BASTNÄSITE-(Ce)
(Ce,La,Y)(CO₃)(F,OH)

One of the very few rare-earth minerals found in Michigan. It is usually found in carbonatites and related veins. The Michigan occurrences are atypical. Northern Peninsula.

Marquette County: Republic area: Reported by Hoffman (1987) as a minor secondary mineral in the Bell Creek Granite and clotted granitoid rocks of the Southern Complex. Identified by semi-quantitative energy dispersion X-ray spectrometry.

Ontonagon County: White Pine: In minute amounts in microscopic grains in calcite veinlets in the Nonesuch Formation (White and Wright, 1966; Ensign et al., 1968).

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.