XENOTIME-(Y)

YPO_4

While seldom abundant, xenotime-(Y) is one of the most common yttrium-bearing minerals. Its most common occurrence is in granitic pegmatites. Northern Peninsula.

Marquette County: 1. Pegmatite dike exposed in roadcut, NE1/4 SE1/4 section 20, T47N, R29W: As waxy, yellow-brown blebs and anhedral crystals 1 to 3 mm long with britholite-(Y) (q.v.) in purplish-gray fluorite in pegmatite. Identification confirmed independently by P. F. Hlava (Sandia National Laboratories, Albuquerque) and G. W. Robinson (Michigan Technological University). **2.** Republic area: Xenotime-(Y) is reported by Hoffman (1987) as an accessory mineral in both the Bell Creek Granite and clotted granitoids of the Southern Complex. Identification confirmed by electron microprobe analysis.

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

Marquette County: Crockley pegmatite, section 22, T47N, R29W: As small (~1mm), subhedral, yellowish brown crystals in pegmatite. Confirmed by 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.