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.


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.