

COLUMBITE-(Fe)



Dickinson County: Abandoned pegmatite quarry near Randville, near the center of N $\frac{1}{2}$ NW $\frac{1}{4}$ section 26, T42N, R30W: Columbite-(Fe) occurs as black, massive clots and tabular crystal sections up to 5 cm with beryl in pegmatite. Confirmed by energy dispersion X-ray spectrometry.

Marquette County: Black River pegmatite, NE $\frac{1}{4}$ SE $\frac{1}{4}$ section 20, T47N, R29W: As euhedral crystals to 5.1 cm associated with britholite-(Y) and xenotime-(Y) in purplish gray fluorite 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.