SILLIMANITE
\[ \text{Al}_2\text{SiO}_5 \]

A common and widespread metamorphic rock-forming mineral in schists and gneisses formed by high-grade regional metamorphism of shales. Andalusite and kyanite are polymorphs. Northern Peninsula.

**Iron County:** 1. SE ¼ section 20, T42N, R31W: In Michigamme Slate with garnet, staurolite, and andalusite (Bayley, 1959). 2. Peavy Dam on the Michigamme River: Sillimanite-staurolite schist and sillimanite-bearing biotite schist in the Michigamme Formation (James, 1955).

**Marquette County:** 1. Approximately 11 km west-northwest of Republic: In glacial erratic of Michigamme Slate (James, 1955). 2. Republic mine: With coexisting andalusite in rocks adjacent to fayalitic Negaunee Iron Formation. Haase and Klein (1978) refer to it as the fibrous variety, "fibrolite."