

## ENSTATITE



An orthorhombic pyroxene occurring chiefly in ultramafic and mafic intrusive igneous rocks. It forms a solid solution series with ferrosilite; “hypersthene” and “bronzite” are obsolete varietal names referring to intermediate members of the series. Enstatite also occurs commonly in stony meteorites (chondrites), usually in small spheroids called chondrules. Northern and Southern Peninsulas.

**Dickinson County:** Section 8, T41N, R27W: Found in garnet-hornblende-pyroxene gneiss (Hardwood Gneiss) (James et al., 1961).

**Genesee County:** Near Mount Morris, SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  section 6, T8N, R7E: Found in sand from the bottom of an 8-meter well as an accessory detrital species (Stewart, 1937).

**Iron County:** 1. Lake Mary quadrangle. In metanorites and metagabbros of the Peavy Pond igneous complex (Bayley, 1959). 2. Aluminian enstatite occurs in the Lake Ellen kimberlite, SW  $\frac{1}{4}$  section 27, T44N, R31W (S. M. Carlson, personal communication, 1998).

**Marquette County:** 1. Orthopyroxenes with compositional ranges  $\text{En}_{77-79} \text{Wo}_{04} \text{Fs}_{17-19}$  occur in the Yellow Dog peridotite in northern Marquette County, in sections 11 and 12, T50N, R29W (Klasner et al., 1979). 2. Presque Isle, variety bronzite (Morris, 1983).

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