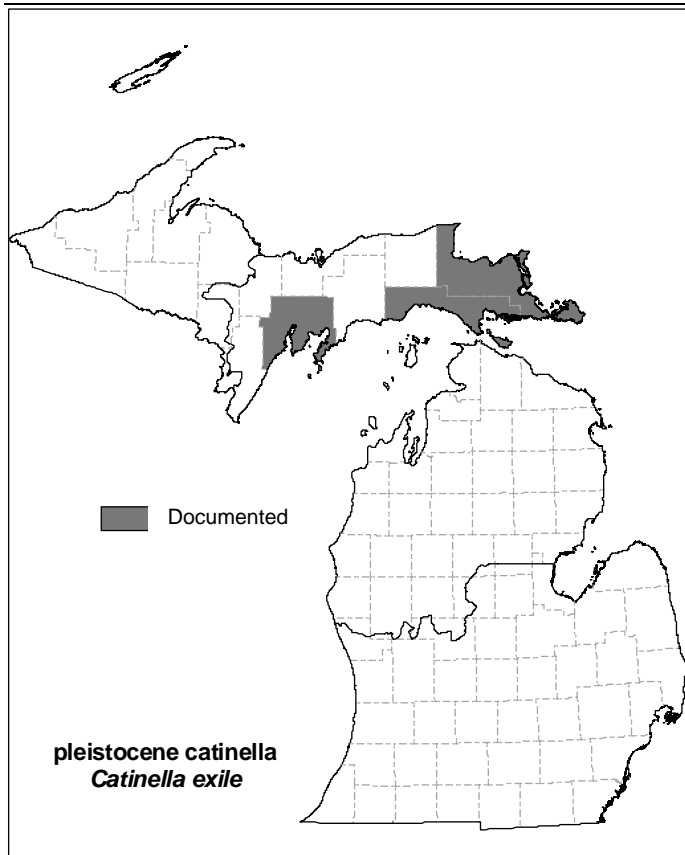


# SNAILS



## pleistocene catinella (*Catinella exile*)

**DISTRIBUTION & ABUNDANCE:** State listed as special concern. It is currently known from only three sites in the Upper Peninsula. This species is globally imperiled.

**ASSOCIATED LANDSCAPE FEATURES:** fen; coastal dune/beach; alvar/rock

**ASSOCIATED THREATS:** conversion to agriculture lands; altered hydrologic regimes; incompatible natural resource mgmt; industrial/residential/recreational development; forestry practices; urban, municipal, and industrial pollution

**COMMENTS:** Need surveys to assess abundance and distribution—particularly at rich fen sites in the Lower Peninsula; need basic life history information; need to identify threats. In occupied sites, forest clearing, road construction and other development should be avoided. Acid rain may be a threat to this species.