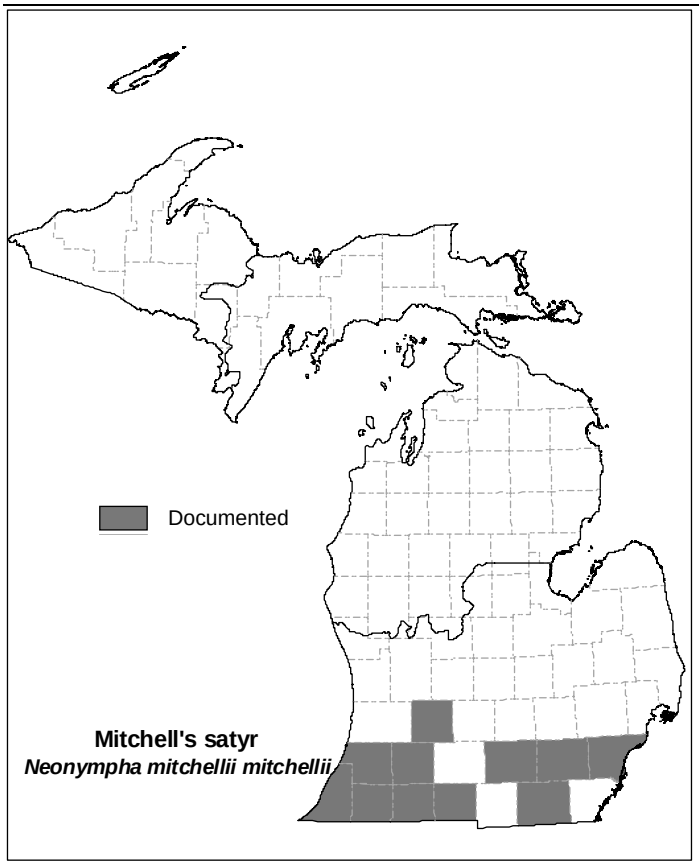
INSECTS



Mitchell's satyr

(Neonympha mitchellii mitchellii)

DISTRIBUTION & ABUNDANCE: State and federally listed as endangered. This species is scattered throughout parts of the Southern Lower Peninsula. It is very rare, occurring in isolated fens and similar habitat. It is considered critically imperiled in Michigan and imperiled or critically imperiled globally.

ASSOCIATED LANDSCAPE FEATURES: prairie; lowland shrub; lowland conifer; inland emergent wetland; fen; pond; river/stream/riparian/floodplain corridor; edge

ASSOCIATED THREATS: conversion to agriculture lands; altered fire regime; fragmentation; grazing & mowing patterns; altered hydrologic regimes; incompatible natural resource mgmt; industrial/residential/recreational development; invasive plants & animals; lack of scientific knowledge; non-consumptive recreation; pesticides & herbicides; removal of wildlife; wetland modifications

COMMENTS: Need to determine population responses to restoration techniques. Prescribed fire is an important management tool, but must ensure occupied areas are only partially burned. During protection and recovery efforts, consider the status of its host plant, *Carex stricta* And redirect ORV and foot traffic around occupied areas. Beaver may create suitable habitat; their removal from the landscape may remove critical ecological processes. Over collecting ishas been believed to impact populations and mosquito spraying may also result in impacts. Groundwater patterns must be protected.