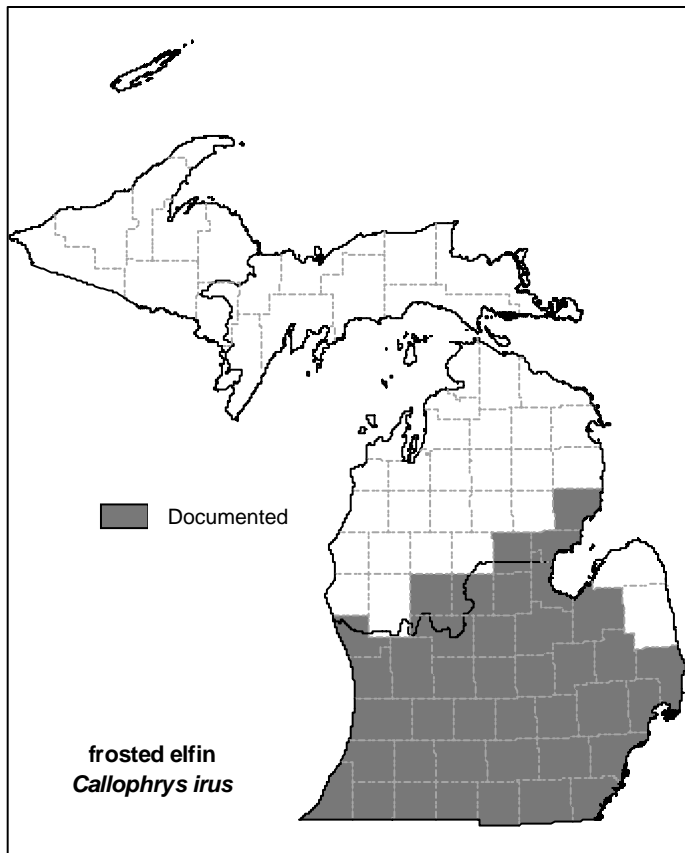


INSECTS



frosted elfin

(Callophrys irus)

DISTRIBUTION & ABUNDANCE: State listed as threatened. Scattered throughout the Lower Peninsula and locally uncommon where found. Overall this species is rare to imperiled in Michigan. This species is considered rare globally.

ASSOCIATED LANDSCAPE FEATURES: prairie; idle/old field; right-of-way; savanna; upland shrub; dry hardwood; forest opening; edge

ASSOCIATED THREATS: conversion to agriculture lands; altered fire regime; fragmentation; incompatible natural resource mgmt; industrial/residential/recreational development; invasive plants & animals; forestry practices; non-consumptive recreation; other biological interactions (loss of host plant; too many deer eating host plant); pesticides & herbicides

COMMENTS: Need surveys to assess abundance and distribution; need to assess threats; need more information on adult nectaring sources. Gypsy moth spraying may be a problem to this species. Protection and restoration efforts must consider the status of its host plant, lupine (*Lupinus perennis*). Excessive ORV traffic can disturb frosted elfin habitat and result in significant mortality of larvae. This species is also known by the name *Incisalia irus*.