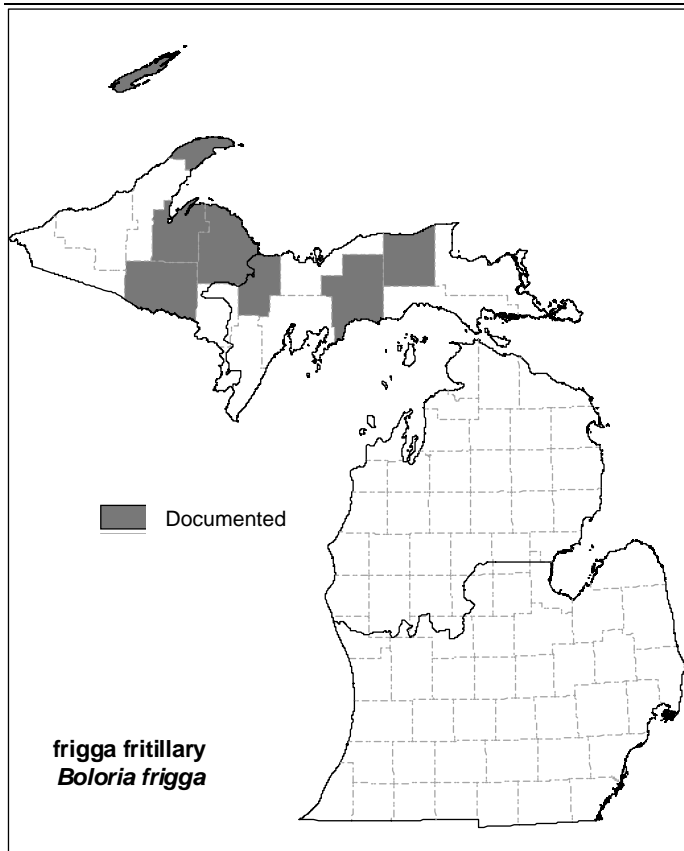


INSECTS



frigga fritillary (*Boloria frigga*)

DISTRIBUTION & ABUNDANCE: State listed as special concern. Scattered throughout much of the Upper Peninsula. It is locally uncommon and may be rare overall in the State.

ASSOCIATED LANDSCAPE FEATURES: lowland shrub; lowland conifer; mesic conifer; dry conifer; bog; pond

ASSOCIATED THREATS: climate change; fragmentation; mining practices; lack of scientific knowledge; other biological interactions (decline in larval host plant and nectar sources); unknown

COMMENTS: Need surveys to assess abundance and distribution; need to assess threats. As a boreal species, this species may be susceptible to climate change in Michigan. Protection or restoration efforts must consider the status of the host plant, dwarf birch (*Betula nana*). Peat mining also poses a threat to this species.