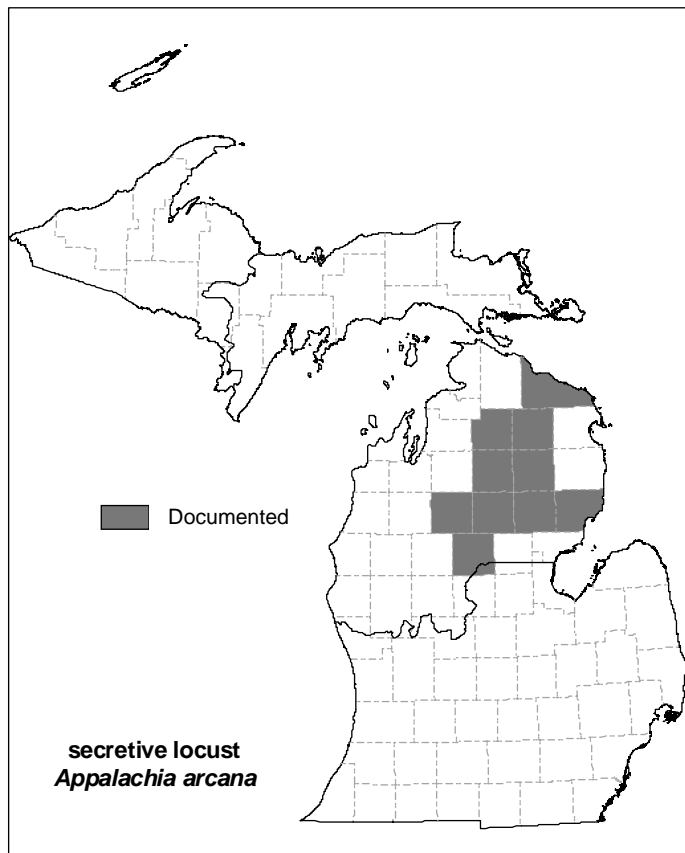


INSECTS



secretive locust

(*Appalachia arcana*)

DISTRIBUTION & ABUNDANCE: State listed as special concern. It is endemic to Michigan and occurs across nine counties in the Northern Lower Peninsula, but it may no longer occur in two of these counties. It is considered rare in Michigan.

ASSOCIATED LANDSCAPE FEATURES: prairie; savanna; lowland shrub; upland shrub; mesic hardwood; dry hardwood; dry conifer; forest opening; bog; fen; ephemeral wetland

ASSOCIATED THREATS: altered fire regime; fragmentation; incompatible natural resource mgmt; industrial/residential/recreational development; lack of scientific knowledge; forestry practices; pesticides & herbicides

COMMENTS: Need surveys to assess abundance and distribution; need basic life history information; need to identify threats.