

Chaetagnlaea tremula (Barrens Chaetagnlaea)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Lepidoptera* (Butterflies, Skippers, And Moths)

Family: *Noctuidae* (Noctuid Moths)

General comments:

3 modern EOs, all in pitch pine/scrub oak barrens which are a very rare habitat in ME; habitat in Northeast is typically limited to sand plain settings with scrub oak and blueberry; ME is northern range limit

Species Conservation Range Maps for Barrens Chaetagnlaea:

Town Map: [Chaetagnlaea tremula_Towns.pdf](#)

Subwatershed Map: [Chaetagnlaea tremula_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Chaetagnlaea tremula is listed as a species of Special Concern in Maine.

Recent Significant Declines: NA

Regional Endemic: NA

High Regional Conservation Priority: NA

High Climate Change Vulnerability: NA

Understudied rare taxa:

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. *criteria only qualifies for Priority 3 level SGCN*

Notes:

Historical: NA

Culturally Significant: NA

Habitats Assigned to Barrens Chaetagnlaea:

Formation Name Northeastern Upland Forest

Macrogroup Name Central Oak-Pine

Habitat System Name: North Atlantic Coastal Plain Hardwood Forest **Notes:** *potential; typically limited to sand plain settings with scrub oak and blueberry*

Habitat System Name: Northeastern Interior Pine Barrens ****Primary Habitat**** **Notes:** *where host plants (scrub oak, blueberry) present*

Macrogroup Name Northern Hardwood & Conifer

Habitat System Name: Northeastern Coastal and Interior Pine-Oak Forest **Notes:** *potential; typically limited to sand plain settings with scrub oak and blueberry*

Stressors Assigned to Barrens Chaetagnlaea:

No Stressors Currently Assigned to Barrens Chaetagnlaea or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to Barrens Chaetagnlaea:

No Species Specific Conservation Actions Currently Assigned to Barrens Chaetagnlaea or other Priority 3 SGCN.

Conservation Actions Associated with the Dry Barrens Lepidoptera Guild:

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Conservation Action	Category: Species Management	Biological Priority: critical	Type: new
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Prepare occurrence maps and pesticide spray consultation guidelines for rare Lepidoptera and distribute to strategic partners including Maine Bureau of Pesticides Control.

Stressor(s) Addressed By This Conservation Action

Agricultural and Forestry Effluents

Conservation Action	Category: Habitat Management	Biological Priority: critical	Type: new
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Conduct a statewide review of potential high quality barrens habitat that is threatened by succession and identify strategic habitat restoration actions for implementation by key conservation partners.

Stressor(s) Addressed By This Conservation Action

Fire and Fire Suppression

Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.