

Lapara coniferarum (Southern Pine Sphinx)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

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

Family: *Sphingidae* (Sphinx Moths)

General comments:

3 modern EOs, all from PPSO barrens; species may require large areas of PP, which are rare in Maine; possibly also feeds on red pine?; should be looked for again in other ME PPSO and also red pine stands

Species Conservation Range Maps for Southern Pine Sphinx:

Town Map: [Lapara coniferarum_Towns.pdf](#)

Subwatershed Map: [Lapara coniferarum_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Lapara coniferarum 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 Southern Pine Sphinx:

| Formation Name | Northeastern Upland Forest |
|----------------------|---|
| Macrogroup Name | Central Oak-Pine |
| Habitat System Name: | Central Appalachian Dry Oak-Pine Forest |
| | Notes: potential; where host plant (pitch pine, red pine?) present |
| Habitat System Name: | Northeastern Interior Pine Barrens |
| | **Primary Habitat** Notes: where host plant (pitch pine, red pine?) present |

Stressors Assigned to Southern Pine Sphinx:

No Stressors Currently Assigned to Southern Pine Sphinx or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to Southern Pine Sphinx:

No Species Specific Conservation Actions Currently Assigned to Southern Pine Sphinx or other Priority 3 SGCN.

Conservation Actions Associated with the Dry Barrens Lepidoptera Guild:

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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

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.