

## *Catocala similis* (Similar Underwing)

### Priority 3 Species of Greatest Conservation Need (SGCN)

**Class:** *Insecta* (Insects)

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

**Family:** *Erebidae* (Owlet Moths, Tiger Moths, Tussock Moths And Allies)

#### General comments:

4 modern EOs; ME is northern edge of range; typically associated with PPSO barrens, but could potentially be found on other scrub oak sites in southern ME with additional survey effort

#### Species Conservation Range Maps for Similar Underwing:

Town Map: [Catocala similis\\_Towns.pdf](#)

Subwatershed Map: [Catocala similis\\_HUC12.pdf](#)

#### SGCN Priority Ranking - Designation Criteria:

**Risk of Extirpation: NA**

**State Special Concern or NMFS Species of Concern:**

*Catocala similis* 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 Similar Underwing:

Formation Name	Northeastern Upland Forest
Macrogroup Name	Central Oak-Pine
Habitat System Name:	Central Appalachian Dry Oak-Pine Forest <b>Notes:</b> <i>potential; where host plant (scrub oak) present</i>
Habitat System Name:	Northeastern Interior Pine Barrens <b>**Primary Habitat**</b> <b>Notes:</b> <i>where host plant (scrub oak) present</i>

#### Stressors Assigned to Similar Underwing:

No Stressors Currently Assigned to Similar Underwing or other Priority 3 SGCN.

#### Species Level Conservation Actions Assigned to Similar Underwing:

No Species Specific Conservation Actions Currently Assigned to Similar Underwing or other Priority 3 SGCN.

#### Conservation Actions Associated with the Dry Barrens Lepidoptera Guild:

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<b>Conservation Action</b>	<b>Category:</b> Species Management	<b>Biological Priority:</b> critical	<b>Type:</b> 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

<b>Conservation Action</b>	<b>Category:</b> Habitat Management	<b>Biological Priority:</b> critical	<b>Type:</b> 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.*