



Insects

# Pink Sallow

*Psectraglaea carnosa*

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: Insects (*Insecta*)

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

Family: Noctuid Moths (*Noctuidae*)

## General comments:

1 modern EO; species has experienced large declines throughout much of NE range from habitat loss; G3; may require large, properly managed (i.e. fire) barrens - which are rare in ME; should be looked for again in other ME pitch pine/scrub oak barrens; easy to ID and not likely overlooked; potential use of bog and other barren habitats needs to be investigated ; JC: removed State SC status 2025

## Species Conservation Range Maps:

Town Map: [Psectraglaea carnosa Towns.pdf](#)

Subwatershed Map: [Psectraglaea carnosa\\_HUC12.pdf](#)

## SGCN Priority Ranking - Designation Criteria:

<b>Historical:</b>	Species currently listed as state (SH) or global (GH) historical (by MDIFW or NatureServe) that have some reasonable probability of rediscovery with further survey effort. <b>State Rank:</b> SH, <b>Global Rank:</b> G3, <b>Rounded Global Rank:</b> G3, <b>MDIFW Historical:</b> NA
<b>High Regional Conservation Priority:</b>	<b>NatureServe:</b> Global Rank: G3 State Rank: SH

## Professional Discretion:

Current criteria ranked *Psectraglaea carnosa* as SGCN priority 2, however, species should be SGCN priority 3 based on professional discretion.

**Justification:** probably should have been P3 in 2015; SH/G3 but data deficient

## Habitat Associations:

**Formation:** Northeastern Upland Forest

**Macrogroup:** Acadian-Northern Appalachian Forest

**Macrogroup:** Appalachian Oak - Pine Forest & Woodland

## Threats

No Threats Currently Assigned to Pink Sallow or other Priority 3 SGCN.		Moderate Severity	High Severity
	<b>Threat Priority Level based on Severity and Actionability</b>	Highly Actionable	High
		Moderately Actionable	Medium-High



Pink Sallow *Psectraglaea carnosa*

Priority 3 SGCN

Actionable with Difficulty



Low



Low

**IUCN Level 1 Threat    Natural Systems Modifications**

**IUCN Level 2 Threat: Fire and Fire Suppression**

**Severity:**    High Severity

**Actionability:**    Moderately Actionable

**Notes:**    Pine barren habitat is fire dependent - fire suppression can alter successional stage and habitat availability over time; fire can cause direct mortality

**IUCN Level 1 Threat    Other Options**

**IUCN Level 2 Threat: Lack of knowledge**

**Severity:**    Moderate Severity

**Actionability:**    Highly Actionable

**Notes:**    Only 1 modern EO; lack of comprehensive survey effort, including outside PPSO barrens, to identify occurrences and determine species status

**IUCN Level 1 Threat    Pollution**

**IUCN Level 2 Threat: Agricultural and Forestry Effluents**

**Severity:**    Moderate Severity

**Actionability:**    Highly Actionable

**Notes:**    Nontarget species impacts from aerial pesticides; especially control efforts for gypsy moth in southern ME

**IUCN Level 1 Threat    Residential and Commercial Development**

**IUCN Level 2 Threat: Housing and Urban Areas**

**Severity:**    High Severity

**Actionability:**    Moderately Actionable

**Notes:**    Habitat loss and fragmentation; pine barren habitat is prime land for development in southern ME



**Pink Sallow** *Psectraglaea carnosa*

**Priority 3 SGCN**

**IUCN Level 1 Threat Agriculture and Aquaculture**

**IUCN Level 2 Threat: Annual and Perennial Non-timber crops**

<b>Severity:</b> Moderate Severity	<b>Actionability:</b> Moderately Actionable
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**Notes:** Some barren habitat is being converted to intensive blueberry production

**IUCN Level 1 Threat Energy Production and Mining**

**IUCN Level 2 Threat: Mining and Quarrying**

<b>Severity:</b> Moderate Severity	<b>Actionability:</b> Moderately Actionable
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**Notes:** Habitat loss (e.g., sand and gravel extraction)

**IUCN Level 1 Threat Residential and Commercial Development**

**IUCN Level 2 Threat: Commercial and Industrial Areas**

<b>Severity:</b> Moderate Severity	<b>Actionability:</b> Moderately Actionable
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**Notes:** Habitat loss and fragmentation; pine barren habitat is prime land for development in southern ME

**IUCN Level 1 Threat Transportation and Service Corridors**

**IUCN Level 2 Threat: Roads and Railroads**

<b>Severity:</b> Moderate Severity	<b>Actionability:</b> Moderately Actionable
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**Notes:** Habitat loss and fragmentation; pine barren habitat is prime land for development in southern ME

**Species Level Conservation Actions:**

No Species Specific Conservation Actions Currently Assigned to Pink Sallow or other Priority 3 SGCN.

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

Conservation Action	Category	Biological Priority	Type
Communication with Maine Forest Service and Bureau of Pest Control is necessary to prevent unintended mortality from aerial pesticide spraying (e.g., for spongy moth and spruce budworm)	Species Management	high	on-going



**Pink Sallow *Psectraglaea carnosa***

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**Threat(s) Addressed By This Conservation Action**

- Other Threat

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

**Threat(s) Addressed By This Conservation Action**

- Removing or Reducing Human Maintenance
- Fire and Fire Suppression

Conservation Action	Category	Biological Priority	Type
A concerted effort should be made to conserve as much of the remaining unprotected sandplain grasslands and PP/SO barrens as possible.	Habitat Management	critical	on-going

**Threat(s) Addressed By This Conservation Action**

- Commercial and Industrial Areas
- Roads and Railroads
- Housing and Urban Areas
- Other Threat
- Removing or Reducing Human Maintenance
- Fire and Fire Suppression
- Mining and Quarrying

Conservation Action	Category	Biological Priority	Type
Increase MDIFW staff capacity for survey and conservation of SGCN invertebrates.	Policy	critical	new

**Threat(s) Addressed By This Conservation Action**

- Education & Outreach
- Lack of knowledge
- Resource Needs

Conservation Action	Category	Biological Priority	Type
Develop/distribute guidelines and outreach materials to inform conservation partners, land use managers, and the general public about the impacts of pesticides on native pollinators and to promote the alternative use of Integrated Pest Management practices.	Public Outreach	moderate	on-going

**Threat(s) Addressed By This Conservation Action**

- Education & Outreach
- Other Threat



## Pink Sallow *Psectraglaea carnosa*

### Priority 3 SGCN

#### **Broad Taxonomic Group Conservation Actions:**

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

#### **Habitat Based Conservation Actions:**

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's Wildlife Action Plan: Element 4. 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, threats, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work*