

Acadian Swordgrass Moth *Xylena thoracica*

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: Insects *Insecta*

Order: Butterflies, Skippers, And Moths *Lepidoptera*

Family: Noctuid Moths *Noctuidae*

General comments:

6 modern EOs; habitat (pitch/jack pine, bogs?) probably not limited to PPSO barrens; northern ME pine stands under-surveyed; rarely collected in East; could be common in northern ME (RW); host is blueberry, others

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Xylena thoracica 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: NA

Historical: NA

Habitats Associated with Acadian Swordgrass Moth:

Formation Name	Boreal Upland Forest
Macrogroup Name	Boreal Upland Forest
Habitat System Name:	Boreal Jack Pine-Black Spruce Forest
	Notes: <i>potential; where host plants (blueberry, others) present</i>
Formation Name	Northeastern Upland Forest
Macrogroup Name	Central Oak-Pine
Habitat System Name:	Northeastern Interior Pine Barrens
	Notes: <i>where host plants (blueberry, others) present</i>
Macrogroup Name	Northern Hardwood & Conifer
Habitat System Name:	Laurentian-Acadian Pine-Hemlock-Hardwood Forest
	Notes: <i>potential; where host plants (blueberry, others) present</i>
Habitat System Name:	Northeastern Coastal and Interior Pine-Oak Forest
	Notes: <i>where host plants (blueberry, others) present</i>
Formation Name	Northeastern Wetland Forest
Macrogroup Name	Northern Swamp
Habitat System Name:	Laurentian-Acadian Alkaline Conifer-Hardwood Swamp
	Notes: <i>where host plants (blueberry, others) present</i>
Habitat System Name:	Northern Swamp Macrogroup - Unknown Habitat System
	Notes: <i>potential; range of use of bog habitats undocumented</i>
Formation Name	Peatland
Macrogroup Name	Northern Peatland & Fens

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Habitat System Name: Northern Peatland Macrogroup - Unknown Habitat System

Notes: *potential; range of use of bog habitats undocumented*

No Stressors Currently Associated with Acadian Swordgrass Moth

Species Conservation Range Maps for Acadian Swordgrass Moth:

Town Map: [Xylena thoracica_Towns.pdf](#)

Subwatershed Map: [Xylena thoracica_HUC12.pdf](#)