

Leucorrhinia patricia (Canada Whiteface)

Priority 2 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Odonata* (Dragonflies And Damselflies)

Family: *Libellulidae* (Skimmers)

General comments:

High vulnerability rank in Conservation Assessment by White et al 2014; only 3-4 sites but easily overlooked

Species Conservation Range Maps for Canada Whiteface:

Town Map: [Leucorrhinia patricia_Towns.pdf](#)

Subwatershed Map: [Leucorrhinia patricia_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Leucorrhinia patricia is listed as a species of Special Concern in Maine.

Recent Significant Declines: NA

Regional Endemic: NA

High Regional Conservation Priority:

Northeast Odonate Conservation Assessment:

Vulnerability: High, Responsibility: Shared

Notes: Occurs in one or two states only

High Climate Change Vulnerability:

Vulnerability: 3, Confidence: Medium, Reviewers: Decided in Workshop (W)

Understudied rare taxa: NA

Historical: NA

Culturally Significant: NA

Habitats Assigned to Canada Whiteface:

Formation Name Boreal Upland Forest

Macrogroup Name Boreal Upland Forest

Habitat System Name: Acadian Low Elevation Spruce-Fir-Hardwood Forest **Notes:** *secondary (riparian only)*

Formation Name Freshwater Aquatic

Macrogroup Name Lakes and Ponds

Habitat System Name: Dystrophic **Notes:** *bog ponds and fens with much low emergent vegetation, especially floating mats of moss*

Formation Name Northeastern Upland Forest

Macrogroup Name Northern Hardwood & Conifer

Habitat System Name: Laurentian-Acadian Northern Hardwoods Forest **Notes:** *secondary (riparian only)*

Formation Name Northeastern Wetland Forest

Macrogroup Name Northern Swamp

Habitat System Name: Laurentian-Acadian Alkaline Conifer-Hardwood Swamp **Notes:** *secondary (riparian only)*

Formation Name Peatland

Macrogroup Name Northern Peatland & Fens

Habitat System Name: Boreal-Laurentian Bog

Leucorrhinia patricia (Canada Whiteface)

Priority 2 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Odonata* (Dragonflies And Damselflies)

Family: *Libellulidae* (Skimmers)

Formation Name Peatland

Habitat System Name: Boreal-Laurentian-Acadian Acidic Basin Fen ****Primary Habitat**** **Notes:** bog ponds and fens with much low emergent vegetation, especially floating mats of moss

Habitat System Name: North-Central Interior and Appalachian Acidic Peatland

Habitat System Name: Northern Peatland Macrogroup - Unknown Habitat System **Notes:** range of primary habitat use associations undocumented

Stressors Assigned to Canada Whiteface:

Stressor Priority Level based on Severity and Actionability		Moderate Severity	High Severity
	Highly Actionable	Medium-High	High
	Moderately Actionable	Medium	Medium-High
	Actionable with Difficulty	Low	Low

IUCN Level 1 Threat Other Options

IUCN Level 2 Threat: Lack of knowledge

Severity: Moderate Severity **Actionability:** Highly actionable

Notes: Lack of comprehensive survey effort to identify additional occurrences and determine species status

IUCN Level 1 Threat Biological Resource Use

IUCN Level 2 Threat: Logging and Wood Harvesting

Severity: Moderate Severity **Actionability:** Moderately actionable

Notes: Intensive forestry in the shoreland zone could affect peatland hydrology and riparian habitat

IUCN Level 1 Threat Climate Change and Severe Weather

IUCN Level 2 Threat: Habitat Shifting or Alteration

Severity: Moderate Severity **Actionability:** Actionable with difficulty

Notes: Climate change; boreal peatland species at extreme southern edge of range

Species Level Conservation Actions Assigned to Canada Whiteface:

None. *Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

Conservation Actions Associated with the Palustrine Odonates Guild:

Conservation Action **Category:** Research **Biological Priority:** high **Type:** new
Prepare a statewide atlas and conservation assessment.

Stressor(s) Addressed By This Conservation Action

Lack of knowledge

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

***Leucorrhinia patricia* (Canada Whiteface)**
Priority 2 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Odonata* (Dragonflies And Damselflies)

Family: *Libellulidae* (Skimmers)

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.