

***Lasionycteris noctivagans* (Silver-haired Bat)****Priority 2 Species of Greatest Conservation Need (SGCN)****Class:** *Mammalia* (Mammals)**Order:** *Chiroptera* (Bats)**Family:** *Vespertilionidae* (Common Bats)**General comments:**

This species was previously designated as SC due to lack of information. Although this is no longer a criterion for special concern listing, the special concern status for this species should be retained because development of wind power (and possibly other tall structures) in Maine and other states within the migratory path of this species is expected to result in increased mortality.

**Species Conservation Range Maps for Silver-haired Bat:**Town Map: [Lasionycteris noctivagans\\_Towns.pdf](#)Subwatershed Map: [Lasionycteris noctivagans\\_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation: NA****State Special Concern or NMFS Species of Concern:***Lasionycteris noctivagans* is listed as a species of Special Concern in Maine.**Recent Significant Declines: NA****Regional Endemic: NA****High Regional Conservation Priority:**

Northeast Endangered Species and Wildlife Diversity Technical Committee:

Risk: No, Data: Yes, Area: No, Spec: Yes, Warrant Listing: No, Total Categories with "Yes": 2

**High Climate Change Vulnerability: NA****Understudied rare taxa: NA****Historical: NA****Culturally Significant: NA****Habitats Assigned to Silver-haired Bat:****Formation Name**      **Boreal Upland Forest****Macrogroup Name**      **Boreal Upland Forest****Habitat System Name:** Acadian Low Elevation Spruce-Fir-Hardwood Forest    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"**Habitat System Name:** Acadian Sub-boreal Spruce Flat    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"**Habitat System Name:** Acadian-Appalachian Montane Spr-Fir-Hwd Forest    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"**Formation Name**      **Northeastern Upland Forest****Macrogroup Name**      **Northern Hardwood & Conifer****Habitat System Name:** Appalachian (Hemlock)-Northern Hardwood Forest    **Notes:** "secondary habitat" for this tree bat in many Maine woodlands: "presumed occurrence"**Habitat System Name:** Laurentian-Acadian Northern Hardwoods Forest    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"**Habitat System Name:** Laurentian-Acadian Pine-Hemlock-Hardwood Forest    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"**Habitat System Name:** Northeastern Coastal and Interior Pine-Oak Forest    **Notes:** "secondary habitat" for upland forests within its range: presumed occurrence

## *Lasiorycteris noctivagans* (Silver-haired Bat)

### Priority 2 Species of Greatest Conservation Need (SGCN)

**Class:** *Mammalia* (Mammals)

**Order:** *Chiroptera* (Bats)

**Family:** *Vespertilionidae* (Common Bats)

#### Formation Name      **Northeastern Wetland Forest**

**Macrogroup Name      Northern Swamp**

**Habitat System Name:** Laurentian-Acadian Alkaline Conifer-Hardwood Swamp    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"

**Habitat System Name:** Northern Appalachian-Acadian Conifer-Hardwood Acidic Swamp    **Notes:** "primary habitat" for this tree bat in many Maine woodlands: "documented occurrence"

#### Stressors Assigned to Silver-haired Bat:

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      Energy Production and Mining**

**IUCN Level 2 Threat:**      Renewable Energy

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

**Notes:** Regular mortality for tree bats at windpower installations is widely reported and potentially most problematic for these migratory tree bats, but curtailment on nights with low wind speeds greatly minimizes (nearly avoids) these losses. The status of tree bat populations in Maine is not quantified but all species have long been considered "Special Concern" based on apparent low densities.

**IUCN Level 1 Threat      Other Options**

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

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

**Notes:** Population status, numbers, and distribution of tree bats are poorly documented in Maine. Their marked vulnerability to mortality at wind turbines requires better information.

#### Species Level Conservation Actions Assigned to Silver-haired Bat:

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

#### Guild Level Conservation Actions:

This Species is currently not attributed to a guild.

#### Broad Taxonomic Group Conservation Actions:

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.

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**Family:** *Vespertilionidae* (Common Bats)

*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.*