

# Species Status Assessment

<b>Common Name:</b>	Mountain Flower Longhorn Beetle	<b>Date Updated:</b>	2025-03-13
<b>Scientific Name:</b>	<i>Judolia montivagans</i>	<b>Updated By:</b>	tgh/mds
<b>Class:</b>	Insecta		
<b>Family:</b>	Cerambycidae		

## Species Synopsis

The Mountain Flower Longhorn Beetle is a pollinator of high elevations and northern regions. It is widespread in Canada and some northern US states but has apparently always been rare in New York, with only Adirondack counties having older records. It is currently known from two observations in the Adirondacks and two in Central and Western NY. Its larvae feed on conifers (Evans 2014) and possibly poplar (<https://bugguide.net/node/view/21774>).

## I. Status

### a. Current legal protected Status

<b>i. Federal:</b>		<b>Candidate:</b>
<b>ii. New York:</b>	<u>Unprotected</u>	

### b. Natural Heritage Program

<b>i. Global:</b>	<u>G5</u>		
<b>ii. New York:</b>	<u>S1</u>	<b>Tracked by NYNHP?</b>	On Active Tracking List

### Other Ranks:

COSEWIC: Not listed in Canada  
IUCN Red List: Not assessed by IUCN Red List  
Northeast Regional SGCN: Not listed

## Status Discussion:

## II. Abundance and Distribution Trends

Region	Present?	Abundance	Distribution	Time Frame	Listing status or S-Rank	SGCN?
North America	Yes	Unknown	Unknown	Unknown		
Northeastern US	Yes	Unknown	Unknown	Unknown		
New York	Yes	Unknown	Unknown	Unknown	S1	
Connecticut	No	-	-	-		
Massachusetts	Yes	Unknown	Unknown	Unknown		
New Jersey	No	-	-	-		
Pennsylvania	No	-	-	-		
Vermont	Yes	Unknown	Unknown	Unknown		
Ontario	Yes	Unknown	Unknown	Unknown	S5	
Quebec	Yes	Unknown	Unknown	Unknown	SNR	

*Column options*

**Present?:** Yes; No; Unknown; No data; (blank) or Choose an Item

**Abundance and Distribution:** Declining; Increasing; Stable; Unknown; Extirpated; N/A; (blank) or Choose an item

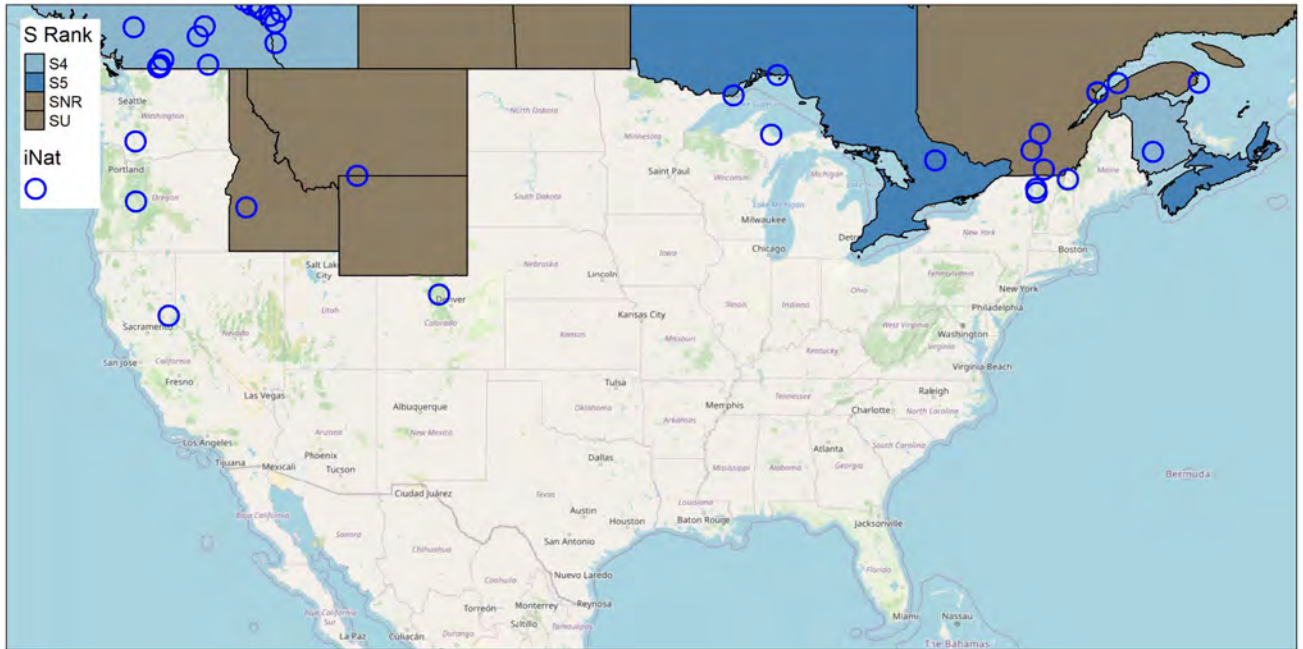
**SGCN?:** Yes; No; Unknown; (blank) or Choose an item

### Monitoring in New York

No regular monitoring for flower longhorn beetles happens at a statewide level.

### Trends Discussion

*(insert map of North American/regional distribution and status):*

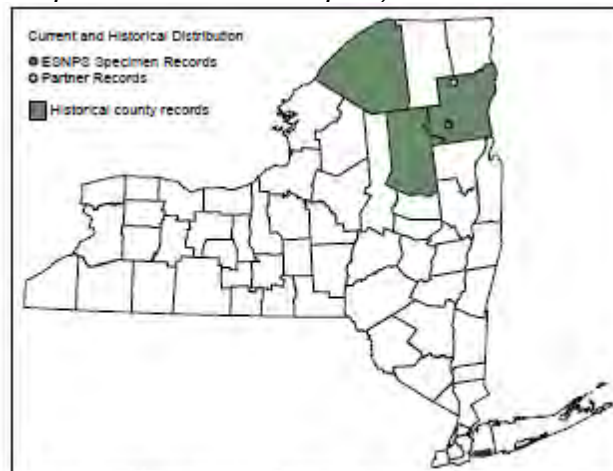


**Figure 1:** *Judolia montivagans* North American distribution. Points show research-grade iNaturalist observations.

**Figure 2:** *Judolia montivagans* regional distribution as reported at <https://northeastwildlifediversity.org/rsgcn>.

### III. New York Rarity

*(provide map, numbers, and percent of state occupied)*



**Figure 1:** Observations from 2000 to present depicted as dots; those from 1999 and earlier as shaded counties.

**Figure 3:** NYS distribution for *Judolia montivagans* based on The Empire State Native Pollinator Survey. Two recent iNaturalist records from the Finger Lakes and western NY are not included here..

Table 1. Number of observations of *Judolia montivagans* grouped by the dates known to be extant (repeat observations (element occurrences) include the years spanning first observation to last observation) and the number and percent of total of counties these observations fall within for New York State.

Years	Observations	# of Counties	% of counties in State
Pre-2000	4	1	1.6
2000-2023	2	1	1.6

**Details of historic and current occurrence:**

Percent of North American Range in NY	Classification of NY Range	Distance to core population, if not in NY
1-25%	Peripheral	Unknown

Column options

Percent of North American Range in NY: 100% (endemic); 76-99%; 51-75%; 26-50% 1-25%; 0%; Choose an item

Classification of NY Range: Core; Peripheral; Disjunct; (blank) or Choose an item

**IV. Primary Habitat or Community Type**

Upland forest

**Habitat or Community Type Trend in New York**

Habitat Specialist?	Indicator Species?	Habitat/ Community Trend	Time frame of Decline/ Increase
Unknown	Unknown	Unknown	Unknown

Column options

Habitat Specialist and Indicator Species: Yes; No; Unkown; (blank) or Choose an item

Habitat/Community Trend: Declining; Stable; Increasing; Unkown; (blank) or Choose an item

Habitat Discussion: Larvae feed on conifers (Evans 2014) and possibly poplar (<https://bugguide.net/node/view/21774>). Adults forage on flowers and act as pollinators.

**V. Species Demographics and Life History**

Breeder in NY?	Non-breeder in NY?	Migratory Only?	Summer Resident?	Winter Resident?	Anadromous/ Catadromous?
Yes	Yes	No	Yes	Yes	No

*Column options*

**First 5 fields:** Yes; No; Unknown; (blank) or Choose an item

**Anadromous/Catadromous:** Anadromous; Catadromous; (blank) or Choose an item

## **Species Demographics and Life History Discussion**

*(include information about species life span, reproductive longevity, reproductive capacity, age to maturity, and ability to disperse and colonize):*

## **VI. Threats**

**Are there regulatory mechanisms that protect the species or its habitat in New York?**

**Yes:**

**No:**



**Unknown:**

Threats to this species are largely unknown, but as a northerly distributed ectotherm, it is likely sensitive to warming temperatures. In addition, as a pollinator it may be affected by pesticides and other poisons.

<b>Threat Level 1</b>	<b>Threat Level 2</b>	<b>Threat Level 3</b>	<b>Spatial Extent</b>	<b>Severity</b>	<b>Immediacy</b>	<b>Trend</b>	<b>Certainty</b>
9. Pollution	9.3 Agricultural & Forestry Effluents	9.3.3 Herbicides & pesticides	Restricted	Serious	Immediate	Unknown	Moderate
11. Climate Change	11.3 Changes in Temperature Regimes	11.3.3 Gradual temperature change	Pervasive	Unknown	Long-term	Stable and ongoing	Moderate

**Table 2. Threats to *Judolia montivagans*.**

**Describe knowledge of management/conservation actions that are needed for recovery/conservation, or to eliminate, minimize, or compensate for the identified threats:**

Complete Conservation Actions table using IUCN conservation actions taxonomy at link below. Use headings 1-6 for Action Category (e.g., Land/Water Protection) and associated subcategories for Action (e.g., Site/Area Protection) - <https://www.iucnredlist.org/resources/conservation-actions-classification-scheme>

Table 2. Recommended conservation actions for *Judolia montivagans*.

Action Category	Action	Description
C.8 Research and Monitoring	Inventory	Monitoring of existing populations and continued surveys for others.
C.8 Research and Monitoring	Habitat associations	Determine habitat needs of larval beetles.

**VII. References**

**This SSA drew heavily from these resources:**

New York Natural Heritage Program, State University of New York College of Environmental Science and Forestry. 2023. Element Occurrence and Element Dataset. Albany, New York. [Exported 12/14/2023].

NatureServe. 2023. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. <http://www.natureserve.org/explorer>. [Accessed 12/14/2023].

Additional references:

Evans, A. V. 2014. Beetles of Eastern North America. Princeton University Press. Princeton, NJ.

<b>Originally prepared by</b>	
<b>Date first prepared</b>	
<b>First revision</b>	
<b>Last revision</b>	