Species Status Assessment

Common Name: Jutta arctic **Date Updated:** 15 November 2025

Scientific Name: *Oeneis jutta* **Updated By:** Annie Stupik

Class: Insecta

Family: Nymphalidae

Species Synopsis

Oeneis jutta is a Holarctic species with a North American range spanning Alaska, Canada, and the northern United States (NatureServe 2024). Little is known about its population trends, but there is some evidence of range contraction across North America. It occupies bogs, wet taiga, and tundra.

I. Status

a. **Current legal protected Status**

i. **Federal:** Not listed **Candidate:**

ii. **New York:** Not listed; HPSGCN

b. **Natural Heritage Program**

i. **Global:** G5

ii. **New York:** S1 **Tracked by NYNHP?:** Yes

Other Ranks:

-IUCN Red List: N/A

-Northeast Regional SGCN: N/A

Status Discussion:

Oeneis jutta is considered “globally secure” despite some apparent range contraction near the northern and southern parts of its range (NatureServe 2024, Forister et al. 2023). More data is needed to better understand this species’ status and trends.

II. Abundance and Distribution Trends

Region	Present?	Abundance	Distribution	Time Frame	Listing status	SGCN?
North America	Yes	Unknown	Declining			(blank)
Northeastern US	Yes	Unknown	Unknown			(blank)
New York	Yes	Unknown	Unknown			Yes
Connecticut	No	N/A	N/A			No
Massachusetts	No	N/A	N/A			No
New Jersey	No	N/A	N/A			No
Pennsylvania	No	N/A	N/A			No
Vermont	Yes	Unknown	Unknown			Yes
Ontario	Yes	Unknown	Unknown			No
Quebec	Yes	Unknown	Unknown			No

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 monitoring is currently being conducted for this species.

Trends Discussion:

There are not enough records of this species to assess trends.

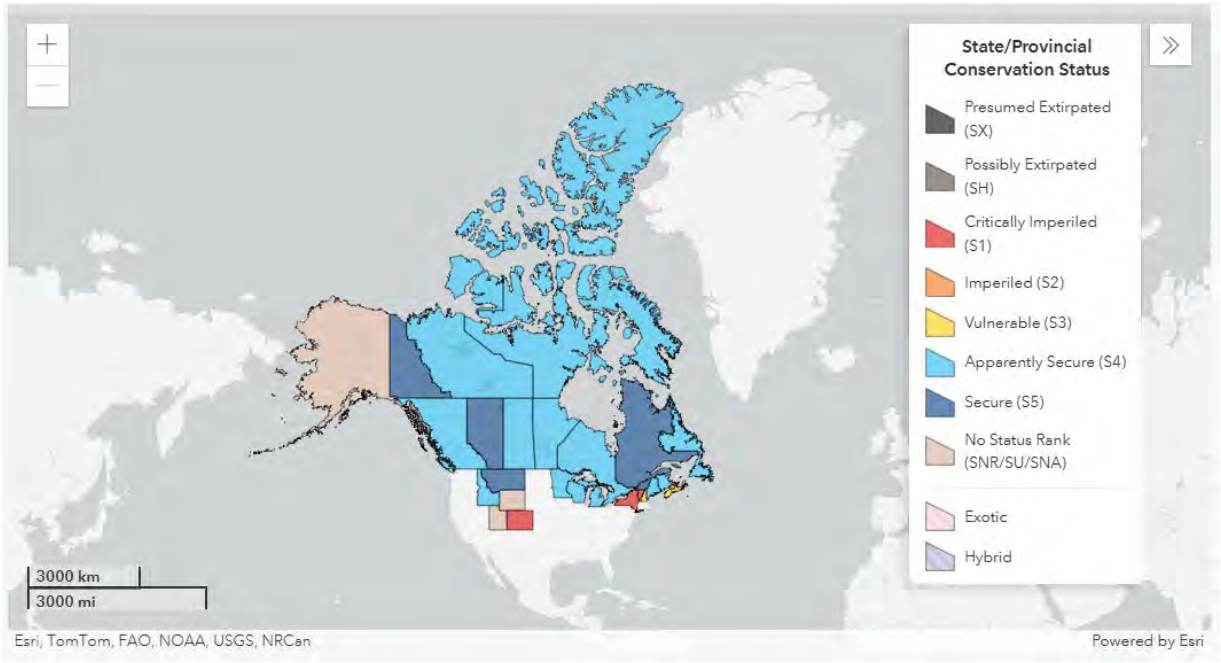

Figure 1. *Oeneis jutta* distribution/status in North America (NatureServe 2024).

Figure 2. *Oeneis jutta* occurrences in New York (NYNHP 2024).

III. New York Rarity

Years	# of Records	# of Distinct Waterbodies/Locations	% of State
Pre-2000	2	1	
2000- 2023	5	3	

Table 1. Records of *Oeneis jutta* in New York.

Details of historic and current occurrence:

The species has been recorded at four sites across three counties in the Adirondack Park since the late 1980s. The most recent observation is from 2014 (NYNHP 2024).

New York's Contribution to Species North American Range:

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

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 *(from NY crosswalk of NE Aquatic, Marine, or Terrestrial Habitat Classification Systems):*

a. Boreal forested peatlands

b. Spruce-fir forests and flats

c. Open acidic peatlands

d. Mountain spruce-fir forests

Habitat or Community Type Trend in New York

Habitat Specialist?	Indicator Species?	Pollinator Species?	Habitat/ Community Trend	Time frame of Decline/Increase
Yes	No	No	Declining	

Habitat Discussion:

In New York, its habitat consists of coniferous wetlands such as black spruce bogs (NatureServe 2024). Due to rarity throughout the species' range, little is known about microhabitat characteristics that this species may prefer.

V. Species Demographic, and Life History:

Breeder in NY?	Non-breeder in NY?	Migratory Only?	Summer Resident?	Winter Resident?	Anadromous/ Catadromous?
Yes	(blank)	(blank)	Yes	Yes	(blank)

Species Demographics and Life History Discussion

Depending on region, this species requires one to two years to produce the next generation. Adults feed on flower nectar and lay eggs near larval host plants (Lotts and Naberhaus 2023). Host plants for larvae are typically sedges (Robinson et al. 2023).

VI. Threats *(from NY 2015 SWAP or newly described):*

Climate change and habitat loss due to commercial and residential development are the primary threats to this species (NatureServe 2024, Forister et al. 2023).

Threat Level 1	Threat Level 2	Threat Level 3	Spatial Extent	Severity	Immediacy	Trend	Certainty
1. Residential and Commercial	1.1 Housing & Urban Areas	(habitat loss)	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.
1. Residential and Commercial	1.2 Commercial & Industrial Areas	(habitat loss)	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.
11. Climate Change	11.1 Habitat Shifting & Alteration	-	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.

Table 2. Threats to *Oensis jutta*

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

Yes: ✓ **No:** **Unknown:**

If yes, describe mechanism and whether adequate to protect species/habitat:

The known occurrences of this species are within the Adirondack Park boundary, which provides some protection from habitat loss.

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

More data is needed on this species to better understand threats and potential conservation/management actions to protect it.

Action Category	Action	Description
A.1 Direct Habitat Management	A.1.0.0.0 Direct Habitat Management	Site Management
A.2 Direct Species Management	A.2.0.0.0 Direct Species Management	Invasive/problematic species control
B.3 Outreach	B.3.0.0.0 Outreach	Awareness and Communications
C.6 Design and Plan Conservation	C.6.0.0.0 Design and Plan Conservation	Site/Area Protection
C.6 Design and Plan Conservation	C.6.0.0.0 Design and Plan Conservation	Resource/Habitat Protection
C.7 Legislative and Regulatory Framework or Tools	C.7.0.0.0 Legislative and Regulatory Framework or Tools	Policies and Regulations
C.9 Education and Training	C.9.2.0.0 Training and individual skill development	Training

Table 3. Recommended conservation actions for *Oeneis jutta*.

VII. References

Forister, M. L., E. M. Grames, C. A. Halsch, K. J. Burls, C. F. Carroll, K. L. Bell, J. P. Jahner et al. 2023. Assessing risk for butterflies in the context of climate change, demographic uncertainty, and heterogeneous data sources. Ecological Monographs 93 (3): e1584.

Layberry, R. A., P. W. Hall, and J. D. Lafontaine. 1998. The Butterflies of Canada. University of Toronto Press, Toronto, Ontario, Canada.

Lotts, K. and T. Naberhaus, coordinators. 2023. Butterflies and Moths of North America (BAMONA). Bozeman, MT: Big Sky Institute. Online. Available: http://www.butterfliesandmoths.org/

NatureServe. 2024. NatureServe Explorer. November 1, 2024. https://explorer.natureserve.org/Taxon/ELEMENT_GLOBAL.2.111174/Oeneis_jutta. Accessed November 18, 2024.

New York Natural Heritage Program (NYNHP). 2024. Element Occurrence Database. State University of New York College of Environmental Science and Forestry, Albany, NY.

Robinson, G.S, P. R. Ackery, I. Kitching, G. W. Beccaloni, and L. M. Hernández. 2023. HOSTS - a Database of the World's Lepidopteran Hostplants [Data set]. March 24- last update. Natural History Museum. Online. Available: https://doi.org/10.5519/havt50xw

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