



Insects

## New England Bluet

*Enallagma laterale*

**Priority 3 Species of Greatest Conservation Need (SGCN)**

**Class:** Insects (*Insecta*)

**Order:** Dragonflies And Damselflies (*Odonata*)

**Family:** Narrow-winged Damselflies (*Coenagrionidae*)



### General comments:

Regional endemic but relatively secure in ME

### Species Conservation Range Maps:

Town Map: [Enallagma laterale Towns.pdf](#)

Subwatershed Map: [Enallagma laterale\\_HUC12.pdf](#)

### SGCN Priority Ranking - Designation Criteria:

|                                             |                                                                                                                                                                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Regional Endemic:</b>                    | <i>Enallagma laterale</i> 's global geographic range is at least 90% contained within the area defined by USFWS Region 5, the Canadian Maritime Provinces, and southeastern Quebec (south of the St. Lawrence River). |
| <b>High Regional Conservation Priority:</b> | <b>Northeast Regional Synthesis (RSGCN):</b><br>Responsibility: High, Concern: Moderate                                                                                                                               |

### Professional Discretion:

Current criteria ranked *Enallagma laterale* as SGCN priority 2, however, species should be SGCN priority 3 based on professional discretion.

### Justification:

updated S-rank

### Habitat Associations:

**Formation:** Freshwater Aquatic

**Macrogroup:** Lentic

**Formation:** Freshwater Marsh

**Macrogroup:** Eastern North American Marsh, Wet Meadow & Shrubland

**Formation:** Northeastern Upland Forest

**Macrogroup:** Acadian-Northern Appalachian Forest

**Macrogroup:** Appalachian Oak - Pine Forest & Woodland

### Threats

New England Bluet *Enallagma laterale*

## Priority 3 SGCN



| Threat Priority Level based on Severity and Actionability | No Threats Currently Assigned to New England Bluet or other Priority 3 SGCN. | 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    Natural Systems Modifications

## IUCN Level 2 Threat: Dams and Water Management-Use

Severity: Moderate Severity

Actionability: Moderately Actionable

Notes: Vegetated littoral zones sensitive to water level manipulation

## IUCN Level 1 Threat    Pollution

## IUCN Level 2 Threat: Agricultural and Forestry Effluents

Severity: Moderate Severity

Actionability: Moderately Actionable

Notes: Aquatic larvae and submerged aquatic vegetation sensitive to pesticides

## IUCN Level 2 Threat: Domestic and Urban Waste Water

Severity: Moderate Severity

Actionability: Moderately Actionable

Notes: Aquatic larvae and submerged aquatic vegetation sensitive to water quality

New England Bluet *Enallagma laterale*

## Priority 3 SGCN



## IUCN Level 1 Threat Residential and Commercial Development

## IUCN Level 2 Threat: Housing and Urban Areas

Severity: Moderate Severity

Actionability: Moderately Actionable

Notes: Habitat loss and riparian zone degradation in an area of the state with relatively rapid development

## Species Level Conservation Actions:

No Species Specific Conservation Actions Currently Assigned to New England Bluet or other Priority 3 SGCN.

## Conservation Actions Associated with the Lacustrine Odonates Guild:

| Conservation Action                                       | Category              | Biological Priority | Type      |
|-----------------------------------------------------------|-----------------------|---------------------|-----------|
| Conduct a statewide dragonfly/damselfly atlasing project. | Survey and Monitoring | high                | completed |

## Threat(s) Addressed By This Conservation Action

- Education & Outreach
- Lack of knowledge

| Conservation Action                                                                         | Category | Biological Priority | Type |
|---------------------------------------------------------------------------------------------|----------|---------------------|------|
| Increase MDIFW staff capacity for survey, research, and conservation of SGCN invertebrates. | Policy   | critical            | new  |

## Threat(s) Addressed By This Conservation Action

- Education & Outreach
- Lack of knowledge
- Resource Needs

| Conservation Action                                                                                                                                    | Category        | Biological Priority | Type     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|----------|
| Develop/distribute outreach materials to raise public awareness and appreciation of freshwater aquatic insect ecology, threats and conservation needs. | Public Outreach | moderate            | on-going |

## Threat(s) Addressed By This Conservation Action

- Education & Outreach

| Conservation Action                                                                               | Category              | Biological Priority | Type     |
|---------------------------------------------------------------------------------------------------|-----------------------|---------------------|----------|
| Conduct comprehensive statewide surveys to inform status, distribution, threats, and habitat use. | Survey and Monitoring | high                | on-going |

## Threat(s) Addressed By This Conservation Action

- Lack of knowledge

New England Bluet *Enallagma laterale*

## Priority 3 SGCN



| Conservation Action                                                                                                                                                                                                                                 | Category           | Biological Priority | Type     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|----------|
| Develop/distribute Best Management Practices for landowners, land managers and conservation partners to avoid and minimize impacts of intensive land use activities (e.g., forestry, stream crossings, agriculture, development, hydro facilities). | Habitat Management | high                | on-going |

**Threat(s) Addressed By This Conservation Action**

- Roads and Railroads
- Housing and Urban Areas
- Commercial and Industrial Areas
- Domestic and Urban Waste Water
- Agricultural and Forestry Effluents
- Education & Outreach
- Logging and Wood Harvesting
- Annual and Perennial Non-timber crops

| Conservation Action                                                                                                                                                                                                                                           | Category        | Biological Priority | Type     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------|----------|
| Develop/distribute guidelines and outreach materials to inform conservation partners, land use managers, and the general public about the impacts of pesticides on native insects and to promote the alternative use of Integrated Pest Management practices. | Public Outreach | moderate            | on-going |

**Threat(s) Addressed By This Conservation Action**

- Other Threat
- Education & Outreach

| Conservation Action                                                                                                                                                                             | Category | Biological Priority | Type     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------|
| Analyze results of the Maine Dragonfly & Damselfly Survey, research and incorporate external Maine records (historical and modern), and produce a summary document and conservation assessment. | Research | high                | on-going |

**Threat(s) Addressed By This Conservation Action**

- Lack of knowledge

| Conservation Action                                                                                            | Category | Biological Priority | Type      |
|----------------------------------------------------------------------------------------------------------------|----------|---------------------|-----------|
| Update NatureServe S-ranks for all Maine Odonata based on results of the Maine Damselfly and Dragonfly Survey. | Research | high                | completed |

**Threat(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 Wildlife Action Plan: Element 4.

New England Bluet *Enallagma laterale*  
Priority 3 SGCN



**Habitat Based Conservation Actions:**

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's Wildlife Action Plan: Element 4. 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, threats, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work*