

Baetisca rubescens (A Mayfly)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Ephemeroptera* (Mayflies)

Family: *Baetiscidae* (Armored Mayflies)

General comments:

Known from 7 sites on 3 rivers (Carrabasset, St John, So. Branch Dead Rivers); this is a northern species with only a few U.S and Canadian records; restricted to cold, high elevation streams.

Species Conservation Range Maps for A Mayfly:

Town Map: [Baetisca rubescens_Towns.pdf](#)

Subwatershed Map: [Baetisca rubescens_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Baetisca rubescens is listed as a species of Special Concern in Maine.

Recent Significant Declines: NA

Regional Endemic: NA

High Regional Conservation Priority: NA

High Climate Change Vulnerability:

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

Understudied rare taxa:

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. *criteria only qualifies for Priority 3 level SGCN*

Notes:

Historical: NA

Culturally Significant: NA

Professional Discretion:

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

Justification:

climate change assessment for southern edge of range species is driving P2 - not enough justification to assume species is significantly more vulnerable than other northern/cold water mayflies that were not rated as climate change vulnerable

Habitats Assigned to A Mayfly:

| Formation Name | Boreal Upland Forest |
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| Macrogroup Name | Boreal Upland Forest |
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| Habitat System Name: | Acadian Low Elevation Spruce-Fir-Hardwood Forest | Notes: secondary (riparian only) |
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| Formation Name | Freshwater Aquatic |
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| Macrogroup Name | Rivers and Streams |
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| Habitat System Name: | Headwaters and Creeks | **Primary Habitat** |
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| Habitat System Name: | Medium River | **Primary Habitat** |
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| Habitat System Name: | Small River | **Primary Habitat** |
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Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Ephemeroptera* (Mayflies)

Family: *Baetiscidae* (Armored Mayflies)

Formation Name **Northeastern Upland Forest**

Macrogroup Name **Northern Hardwood & Conifer**

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

Habitat System Name: Laurentian-Acadian Pine-Hemlock-Hardwood Forest **Notes:** *secondary (riparian only)*

Stressors Assigned to A Mayfly:

No Stressors Currently Assigned to A Mayfly or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to A Mayfly:

No Species Specific Conservation Actions Currently Assigned to A Mayfly or other Priority 3 SGCN.

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.

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.