

Rhithrogena undulata (A Mayfly)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Ephemeroptera* (Mayflies)

Family: *Heptageniidae* (Flatheaded Mayflies)

General comments:

1 EO (Nesowadnehunk Stream in Baxter State Park); species is known primarily from central and southeastern US, with a disjunct record from Newfoundland; ME is only northeastern US record; Burian has looked for this species in appropriate habitat (cold, high elevation streams) and not found it; potential for additional EOs in western and central mountains

Species Conservation Range Maps for A Mayfly:

Town Map: [Rhithrogena undulata_Towns.pdf](#)

Subwatershed Map: [Rhithrogena undulata_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Rhithrogena undulata 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: NA

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

Habitats Assigned to A Mayfly:

Formation Name Boreal Upland Forest

Macrogroup Name Boreal Upland Forest

Habitat System Name: Acadian Low Elevation Spruce-Fir-Hardwood Forest **Notes:** *secondary (riparian only)*

Habitat System Name: Boreal Upland Forest Macrogroup - Unknown Habitat System **Notes:** *unknown range of upland habitat associations - single occurrence; secondary (riparian only)*

Formation Name Freshwater Aquatic

Macrogroup Name Rivers and Streams

Habitat System Name: Headwaters and Creeks ****Primary Habitat****

Habitat System Name: Small River ****Primary Habitat****

Formation Name Northeastern Upland Forest

Macrogroup Name Northern Hardwood & Conifer

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

Stressors Assigned to A Mayfly:

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

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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.