

Metretopus borealis (A Mayfly)

Priority 3 Species of Greatest Conservation Need (SGCN)

Class: *Insecta* (Insects)

Order: *Ephemeroptera* (Mayflies)

Family: *Metretopodidae* (Cleftfooted Minnow Mayflies)

General comments:

Currently known from 8 sites on 3 widely distributed rivers (St John and Narraguagus Rivers, E. Branch Sandy Stream); Maine is southern edge of range; Burian has looked for it unsuccessfully in other appropriate sites

Species Conservation Range Maps for A Mayfly:

Town Map: [Metretopus borealis_Towns.pdf](#)

Subwatershed Map: [Metretopus borealis_HUC12.pdf](#)

SGCN Priority Ranking - Designation Criteria:

Risk of Extirpation: NA

State Special Concern or NMFS Species of Concern:

Metretopus borealis 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)
Formation Name	Freshwater Aquatic		
Macrogroup Name	Rivers and Streams		
Habitat System Name:	Headwaters and Creeks	**Primary Habitat**	Notes: not a true headwater stream specialist
Habitat System Name:	Medium River	**Primary Habitat**	
Habitat System Name:	Rivers and Streams Macrogroup - Unknown habitat system		Notes: range of primary aquatic system use unknown - only 3 occurrences
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.

Species Level Conservation Actions Assigned to A Mayfly:

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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.