

Appendix H:

Lists of Endangered, Threatened, and Special Concern Species in the Watershed Wild and Scenic Communities by State



Blanding's turtle (Emydoidea blandingii). Photo: Arthur, Wikimedia Commons.

Table 1: List of Riparian Associated Endangered, Threatened, and Special Concern Species in Massachusetts Nashua River Watershed Communities

Massachusetts Town	Taxonomic Group	Scientific name	Common Name	Status	Most Recent Observation in Town
AYER	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2007
AYER	Bird	<i>Ixobrychus exilis</i>	Least bittern	E	1947
AYER	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1928
AYER	Mussel	<i>Strophitus undulatus</i>	Creeper	SC	2006
AYER	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2011

Massachusetts Town	Taxonomic Group	Scientific name	Common Name	Status	Most Recent Observation in Town
AYER	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	1979
AYER	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2006
AYER	Vascular Plant	<i>Lygodium palmatum</i>	Climbing fern	SC	2011
AYER	Vascular Plant	<i>Senna hebecarpa</i>	Wild senna	E	2010
BOLTON	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2006
BOLTON	Amphibian	<i>Ambystoma opacum</i>	Marbled salamander	T	2014
BOLTON	Beetle	<i>Cicindela duodecimguttata</i>	Twelve-spotted tiger beetle	SC	2007
BOLTON	Bird	<i>Botaurus lentiginosus</i>	American bittern	E	2015
BOLTON	Bird	<i>Gallinula chloropus</i>	Common moorhen	SC	2011
BOLTON	Bird	<i>Rallus elegans</i>	King rail	T	1999
BOLTON	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2013
BOLTON	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2013
BOLTON	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2013
BOLTON	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	1999
BOLTON	Vascular Plant	<i>Corallorhiza odontorhiza</i>	Autumn coralroot	SC	2010
BOLTON	Vascular Plant	<i>Carex typhina</i>	Cat-tail sedge	T	1999
BOLTON	Vascular Plant	<i>Carex typhina</i>	Cat-tail sedge	T	1999

Massachusetts Town	Taxonomic Group	Scientific name	Common Name	Status	Most Recent Observation in Town
DUNSTABLE	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2016
DUNSTABLE	Dragonfly/Damselfly	<i>Ophiogomphus aspersus</i>	Brook snaketail	SC	2011
DUNSTABLE	Dragonfly/Damselfly	<i>Gomphus abbreviatus</i>	Spine-crowned clubtail	SC	2015
DUNSTABLE	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1988
DUNSTABLE	Mammal	<i>Synaptomys cooperi</i>	Southern bog lemming	SC	1976
DUNSTABLE	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2016
DUNSTABLE	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2004
DUNSTABLE	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2010
DUNSTABLE	Vascular Plant	<i>Scheuchzeria palustris</i>	Pod-grass	E	1928
GROTON	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2016
GROTON	Bird	<i>Botaurus lentiginosus</i>	American bittern	E	2001
GROTON	Bird	<i>Gavia immer</i>	Common loon	SC	1915
GROTON	Bird	<i>Podilymbus podiceps</i>	Pied-billed grebe	E	Historic
GROTON	Crustacean	<i>Eubbranchipus intricatus</i>	Intricate fairy shrimp	SC	2014
Groton	Crustacean	<i>Eubbranchipus intricatus</i>	Intricate fairy shrimp	SC	2014
GROTON	Dragonfly/Damselfly	<i>Ophiogomphus aspersus</i>	Brook snaketail	SC	2003
GROTON	Dragonfly/Damselfly	<i>Somatochlora forcipata</i>	Forcinate emerald	E	2001

Massachusetts Town	Taxonomic Group	Scientific name	Common Name	Status	Most Recent Observation in Town
GROTON	Dragonfly/Damselfly	<i>Gomphus abbreviatus</i>	Spine-crowned clubtail	SC	2015
GROTON	Dragonfly/Damselfly	<i>Neurocordulia obsoleta</i>	Umber shadowdragon	SC	2004
GROTON	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1986
GROTON	Mammal	<i>Sorex palustris</i>	Water shrew	SC	2007
GROTON	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2016
GROTON	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2004
GROTON	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2005
GROTON	Vascular Plant	<i>Lygodium palmatum</i>	Climbing fern	SC	2010
GROTON	Vascular Plant	<i>Amelanchier sanguinea</i>	Roundleaf shadbush	SC	1905
GROTON	Vascular Plant	<i>Sparganium natans</i>	Small bur-reed	E	2006
HARVARD	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2016
HARVARD	Amphibian	<i>Ambystoma opacum</i>	Marbled salamander	T	2002
HARVARD	Bird	<i>Rallus elegans</i>	King rail	T	2005
HARVARD	Bird	<i>Ixobrychus exilis</i>	Least bittern	E	2005
HARVARD	Bird	<i>Podilymbus podiceps</i>	Pied-billed grebe	E	1984
HARVARD	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1928
HARVARD	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2016
HARVARD	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2008
HARVARD	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	1995

Massachusetts Town	Taxonomic Group	Scientific name	Common Name	Status	Most Recent Observation in Town
HARVARD	Vascular Plant	<i>Carex typhina</i>	Cat-tail sedge	T	1999
HARVARD	Vascular Plant	<i>Lygodium palmatum</i>	Climbing fern	SC	2015
HARVARD	Vascular Plant	<i>Alnus viridis ssp. crispa</i>	Mountain alder	SC	1932
HARVARD	Vascular Plant	<i>Eleocharis ovata</i>	Ovate Spike-sedge	E	1991
HARVARD	Vascular Plant	<i>Platanthera flava var. herbiola</i>	Pale green orchis	T	2009
HARVARD	Vascular Plant	<i>Amelanchier sanguinea</i>	Roundleaf shadbush	SC	1947
HARVARD	Vascular Plant	<i>Sparganium natans</i>	Small Bur-reed	E	1994
LANCASTER	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2011
LANCASTER	Beetle	<i>Cicindela duodecimguttata</i>	Twelve-spotted tiger beetle	SC	2007
LANCASTER	Bird	<i>Bartramia longicauda</i>	Upland sandpiper	E	1994
LANCASTER	Mammal	<i>Sorex palustris</i>	Water shrew	SC	1986
LANCASTER	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2003
LANCASTER	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2009
LANCASTER	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2009
LANCASTER	Vascular Plant	<i>Carex typhina</i>	Cat-tail sedge	T	1999
LANCASTER	Vascular Plant	<i>Arceuthobium pusillum</i>	Dwarf mistletoe	SC	1924
LANCASTER	Vascular Plant	<i>Eragrostis frankii</i>	Frank's lovegrass	SC	1939

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LANCASTER	Vascular Plant	<i>Eleocharis ovata</i>	Ovate spike-sedge	E	1991
LANCASTER	Vascular Plant	<i>Platanthera flava</i> <i>var. herbiola</i>	Pale green orchis	T	1944
LANCASTER	Vascular Plant	<i>Panicum philadelphicum</i> ssp. <i>philadelphicum</i>	Philadelphia panic-grass	SC	1995
PEPPERELL	Amphibian	<i>Ambystoma opacum</i>	Marbled salamander	T	1999
PEPPERELL	Dragonfly/Damselfly	<i>Ophiogomphus aspersus</i>	Brook snaketail	SC	2003
PEPPERELL	Dragonfly/Damselfly	<i>Somatochlora kennedyi</i>	Kennedy's emerald	E	2007
PEPPERELL	Dragonfly/Damselfly	<i>Gomphus abbreviatus</i>	Spine-crowned clubtail	SC	2016
PEPPERELL	Dragonfly/Damselfly	<i>Neurocordulia obsoleta</i>	Umber shadowdragon	SC	2003
PEPPERELL	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1998
PEPPERELL	Mussel	<i>Alasmidonta varicosa</i>	Brook floater (swollen wedgemussel)	E	2011
PEPPERELL	Mussel	<i>Strophitus undulatus</i>	Creeper	SC	2010
PEPPERELL	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2016
PEPPERELL	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2003
PEPPERELL	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2016
SHIRLEY	Amphibian	<i>Ambystoma laterale</i>	Blue-spotted salamander	SC	2006
SHIRLEY	Dragonfly/Damselfly	<i>Ophiogomphus aspersus</i>	Brook snaketail	SC	2006
SHIRLEY	Dragonfly/Damselfly	<i>Somatochlora kennedyi</i>	Kennedy's emerald	E	1939

Massachusetts Town	Taxonomic Group	Scientific name	Common Name	Status	Most Recent Observation in Town
SHIRLEY	Dragonfly/Damselfly	<i>Neurocordulia obsoleta</i>	Umber shadowdragon	SC	2004
SHIRLEY	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1954
SHIRLEY	Mussel	<i>Strophitus undulatus</i>	Creeper	SC	2006
SHIRLEY	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2017
SHIRLEY	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2016
SHIRLEY	Vascular Plant	<i>Lygodium palmatum</i>	Climbing fern	SC	Historic
TOWNSEND	Bird	<i>Botaurus lentiginosus</i>	American bittern	E	2014
TOWNSEND	Dragonfly/Damselfly	<i>Ophiogomphus aspersus</i>	Brook snaketail	SC	2005
TOWNSEND	Fish	<i>Notropis bifrenatus</i>	Bridle shiner	SC	1996
TOWNSEND	Mussel	<i>Strophitus undulatus</i>	Creeper	SC	1996
TOWNSEND	Reptile	<i>Emydoidea blandingii</i>	Blanding's turtle	T	2016
TOWNSEND	Reptile	<i>Terrapene carolina</i>	Eastern box turtle	SC	2009
TOWNSEND	Reptile	<i>Glyptemys insculpta</i>	Wood turtle	SC	2016

Abbreviations: E=Endangered, T=Threatened, SC=Special Concern

The MESA List is the official list of Endangered, Threatened, and Special Concern species as defined in Section 10.60 of Chapter 321 of the Code of Massachusetts Regulations.¹ The MESA List is prepared under the authority of the Massachusetts Endangered Species Act (MESA). Under this act (MGL c. 131A and its implementing regulations (321 CMR 10.00)), MESA-listed species are protected from "take."²

¹ See <https://www.mass.gov/service-details/list-of-endangered-threatened-and-special-concern-species>

² "Take is defined as the following: In reference to animals, means to harass, harm, pursue, hunt, shoot, hound, kill, trap, capture,

Table 2: List of Riparian Associated Endangered, Threatened, and Special Concern Species in New Hampshire Nashua River Watershed Wild and Scenic Communities³

New Hampshire Town	Taxonomic Group	Scientific Name	Common Name	Status
BROOKLINE	Amphibians	<i>(Ambystoma opacum)</i>	** Marbled salamander	E
BROOKLINE	Fish	<i>Enneacanthus obesus)</i>	** Banded sunfish	SC
BROOKLINE	Fish	<i>(Etheostoma fusiforme)</i>	** Swamp darter	SC
BROOKLINE	Fish	<i>(Anguilla rostrata)</i>	** American eel	SC
BROOKLINE	Reptiles	<i>Emydoidea blandingii</i>	** Blanding's turtle	E
BROOKLINE	Reptiles	<i>Clemmys guttata)</i>	** Spotted turtle	T
HOLLIS	Amphibians	<i>(Ambystoma opacum)</i>	** Marbled salamander	E
HOLLIS	Birds	<i>(Pandion haliaetus)</i>	** Osprey	SC
HOLLIS	Dragonfly/ Damselfly	<i>(Rhionaeschna mutata)</i>	** Spatterdock darner	-- --
HOLLIS	Dragonfly/ Damselfly	<i>(Argia apicalis)</i>	** Blue-fronted dancer	-- --
HOLLIS	Dragonfly/ Damselfly	<i>Calopteryx dimidiata)</i>	** Sparkling jewelwing	-- --
HOLLIS	Fish	<i>Enneacanthus obesus)</i>	** Banded sunfish	SC
HOLLIS	Fish	<i>(Esox americanus americanus)</i>	** Redfin pickerel	SC
HOLLIS	Fish	<i>Rhionaeschna mutata)</i>	** Spatterdock darner	
HOLLIS	Fish	<i>(Etheostoma fusiforme)</i>	** Swamp darter	SC
HOLLIS	Mussel	<i>(Alasmidonta varicosa)</i>	** Brook floater	E
HOLLIS	Natural Communities	<i>Palustrine</i>	** Black gum - red maple basin swamp	
HOLLIS	Natural Communities	<i>Palustrine</i>	** Kettle hole bog system	
HOLLIS	Natural Communities	<i>Palustrine</i>	Sand plain basin marsh system	Historical
HOLLIS	Reptiles	<i>Emydoidea blandingii</i>	** Blanding's turtle	E
HOLLIS	Reptiles	<i>(Glyptemys insculpta)</i>	* Wood turtle	SC

Abbreviations: E=Endangered, T=Threatened, SC=Special Concern

* High - A marginal example of a state rarity

** Very High - A marginal example of a global rarity or a good example of a state rarity

*** Extremely High - A good example of a global rarity or an excellent example of a state rarity

collect, process, disrupt the nesting, breeding, feeding or migratory activity or attempt to engage in any such conduct, or to assist such conduct, . . . and in reference to plants, means to collect, pick, kill, transplant, cut or process or attempt to engage or to assist in any such conduct. Disruption of nesting, breeding, feeding or migratory activity may result from, but is not limited to, the modification, degradation or destruction of Habitat.” www.mass.gov/service-details/ma-endangered-species-act-mesa-overview

³ New Hampshire Natural Heritage Bureau DRED - Division of Forests and Lands, “Rare Plants, Rare Animals, and Exemplary Natural Communities in New Hampshire Towns” (July 2013) www.nhdf.org/library/pdf/Natural%20Heritage/Townlist.pdf