



MASSWILDLIFE

DIVISION OF
FISHERIES & WILDLIFE

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MASS.GOV/MASSWILDLIFE

PUBLIC HEARING NOTICE
321 CMR 10.90 & 10.91

In accordance with the Massachusetts General Laws, Chapter 131A, Section 4 and Chapter 30A, Section 2, NOTICE is hereby given of a public hearing to be held on Wednesday, August 28, 2019, at 1:00 p.m., at the Division of Fisheries and Wildlife's Field Headquarters, Richard Cronin Building, 1 Rabbit Hill Road, off North Drive, Westborough, Massachusetts, to amend the list of species of animals and plants protected by the Massachusetts Endangered Species Act.

A handwritten signature in black ink that reads "Mark S. Tisa".

Mark S. Tisa, Ph.D., M.B.A.
Director

MASSWILDLIFE

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

PART V: LISTS, DESIGNATED SIGNIFICANT HABITATS

10.90: List of Endangered, Threatened, and Special Concern Species

(1) Introduction. The list in 321 CMR 10.90 contains the names of all species of plants and animals which have been determined to be Endangered, Threatened, or of Special Concern pursuant to M.G.L. c. 131A and 321 CMR 10.03.

(2) List Format. The columns entitled "Common Name" and "Scientific Name" define the species listed. In the "Status" columns the following symbols are used: "E" for Endangered, "T" for Threatened, and "SC" for Special Concern. The status defined under the "MA" column denotes the official status of the species in Massachusetts pursuant to M.G.L. c.131A and 321 CMR 10.00. The status under the "US" column is the status of the species under the federal Endangered Species Act at the time of the latest revision of 321 CMR 10.00 and is given for informational purposes only. Recent changes in the federal list might not be reflected in 321 CMR 10.90. The U.S. Fish and Wildlife Service should be consulted for official and up to date information on the federal status of any species. Inquiries may be made by writing to U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, NH 03301-5087. The "~~Taxonomic Family/~~ Taxonomic Group" column of the list is included for the purpose of organization. The "Notes" column directs the reader to footnotes which further define or clarify the status of a species or alternative names of species.

(3) Organization of the List. The list is generally organized according to the relationship of the listed species as determined by the science of taxonomy, which groups and categorizes species that are similar on the basis of shared evolutionary descent. The most basic division in the list is between animals and plants. Within animals the list is divided between vertebrates (animals with backbones) and invertebrates (animals without backbones). Within vertebrates, ~~and~~ and invertebrates, ~~and plants~~ the list is further divided into categories which are generally recognized, such as fish, mammals, and dragonflies, ~~and violets~~. All such information has no regulatory effect and is provided only for the purpose of organizing the list. The following outline shows the taxonomic categories used and their order. ~~A species name index is provided after the list at 321 CMR 10.91 to assist the reader in finding species on the list.~~

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Outline of State List:

ANIMALS

Vertebrates

Fish

Amphibians

Reptiles

Birds

Mammals

Invertebrates

Sponges

Flatworms

~~Moss Animals~~

Segmented Worms

Snails

Mussels

Crustaceans

Dragonflies

Damselflies

Beetles

Butterflies and Moths

~~Bees~~

PLANTS

~~Aceraceae (Maples)~~

~~Adiantaceae (Cliff Ferns)...~~

~~through...(alphabetically by scientific family name)~~

~~Verbenaceae (Vervains)~~

~~Violaceae (Violets)~~

(4) The List. The Massachusetts List of Endangered, Threatened, and Special Concern species follows:

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
VERTEBRATES:				
Fish				
Shortnose Sturgeon	<i>Acipenser brevirostrum</i>	E	E	
Atlantic Sturgeon	<i>Acipenser oxyrinchus</i>	E		
Longnose Sucker	<i>Catostomus catostomus</i>	SC		
Northern Redbelly Dace	<i>Phoxinus</i> <i>Chrosomus eos</i>	E		
Lake Chub	<i>Couesius plumbeus</i>	E		
Threespine Stickleback	<i>Gasterosteus aculeatus</i>	T		1
Eastern Silvery Minnow	<i>Hybognathus regius</i>	SC		
American Brook Lamprey	<i>Lampetra</i> <i>Lethenteron appendix</i>	T		
Burbot	<i>Lota lota</i>	SC		
Bridle Shiner	<i>Notropis bifrenatus</i>	SC		
Amphibians				
Jefferson Salamander (complex)	<i>Ambystoma jeffersonianum</i>	SC		2
Blue-spotted Salamander (complex)	<i>Ambystoma laterale pop. 1</i>	SC		3
Blue-spotted Salamander	<i>Ambystoma laterale pop. 2</i>	T		4
Marbled Salamander	<i>Ambystoma opacum</i>	T		
Eastern Spadefoot	<i>Scaphiopus holbrookii</i>	T		
Reptiles				
Copperhead	<i>Agkistrodon contortrix</i>	E		
Loggerhead Seaturtle Sea Turtle	<i>Caretta caretta</i>	T	T	
Eastern Wormsnake	<i>Carphophis amoenus</i>	T		
Green Seaturtle Sea Turtle	<i>Chelonia mydas</i>	T	T	
Timber Rattlesnake	<i>Crotalus horridus</i>	E		
Leatherback Seaturtle Sea Turtle	<i>Dermochelys coriacea</i>	E	E	
Blanding's Turtle	<i>Emydoidea blandingii</i>	T		
Atlantic Hawksbill Seaturtle Sea Turtle	<i>Eretmochelys imbricata</i>	E	E	
Wood Turtle	<i>Glyptemys insculpta</i>	SC		
Bog Turtle	<i>Glyptemys mühlenbergii</i>	E	T	
Eastern Hog-nosed Snake	<i>Heterodon platirhinos</i>	SC		
Kemp's's Ridley Seaturtle Sea Turtle	<i>Lepidochelys kempii</i>	E	E	
Northern Diamond-backed Terrapin	<i>Malaclemys terrapin</i>	T		
Eastern Ratsnake	<i>Patherophys alleghaniensis</i>	E		
Northern Red-bellied Cooter	<i>Pseudemys rubriventris</i>	E	E	45
Eastern Box Turtle	<i>Terrapene carolina</i>	SC		

Comment [BJ(1)]: Genus name change only

Comment [BJ(2)]: Genus name change only

Comment [BJ(3)]: Correction

Comment [BJ(4)]: Correction

Comment [BJ(5)]: Correction

Comment [BJ(6)]: Common name change only

Comment [BJ(7)]: Correction

Comment [BJ(8)]: Correction

Comment [BJ(9)]: Common name change only

¹ Trimorphic freshwater population only.

² ~~Complex consisting of the genetically pure lineage and its associated unisexual forms (statewide). Including triploid and other polyploid forms within the *Ambystoma jeffersonianum*/*Ambystoma laterale* complex.~~

³ ~~“Population 1”; complex consisting of the genetically pure lineage and its associated unisexual forms (jurisdictions outside Bristol and Plymouth Counties). Ditto.~~

⁴ ~~“Population 2”; consists of the genetically pure lineage (Bristol and Plymouth Counties only). This species is listed by the U.S. Fish & Wildlife Service as *P.r. bangsi* (Plymouth Redbelly Turtle) in 50 CFR 17.11.~~

⁴⁵ This species is listed by the U.S. Fish & Wildlife Service as *P.r. bangsi* (Plymouth Redbelly Turtle) in 50 CFR 17.11.

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group	Scientific Name	Status	Notes
Common Name		MA US	
VERTEBRATES: continued			
Birds			
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	T	
<u>Saltmarsh Sparrow</u>	<i>Ammodramus caudacuta</i>	SC	
<u>Eastern Whip-poor-will</u>	<i>Caprimulgus</i> <i>Antrostomus vociferus</i>	SC	
Short-eared Owl	<i>Asio flammeus</i>	E	
Long-eared Owl	<i>Asio otus</i>	SC	
Upland Sandpiper	<i>Bartramia longicauda</i>	E	
American Bittern	<i>Botaurus lentiginosus</i>	E	
<u>Red Knot</u>	<i>Calidris canutus</i>	T T	
Piping Plover	<i>Charadrius melodus</i>	T T	
Northern Harrier	<i>Circus cyaneus hudsonius</i>	T	
Sedge Wren	<i>Cistothorus platensis</i>	E	
Peregrine Falcon	<i>Falco peregrinus</i>	TSC	
<u>Common Moorhen</u> <u>Gallinule</u>	<i>Gallinula chloropus galeata</i>	SC	
Common Loon	<i>Gavia immer</i>	SC	
Mourning Warbler	<i>Oporeornis</i> <i>Geothlypis philadelphia</i>	SC	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	TSC	
Least Bittern	<i>Ixobrychus exilis</i>	E	
Leach's Storm-petrel	<i>Oceanodroma leucorhoa</i>	E	
Pied-billed Grebe	<i>Podilymbus podiceps</i>	E	
Vesper Sparrow	<i>Poocetes gramineus</i>	T	
King Rail	<i>Rallus elegans</i>	T	
Northern Parula	<i>Parula</i> <i>Setophaga americana</i>	T	
Blackpoll Warbler	<i>Dendroica</i> <i>Setophaga striata</i>	SC	
Roseate Tern	<i>Sterna dougallii</i>	E E	
Common Tern	<i>Sterna hirundo</i>	SC	
Arctic Tern	<i>Sterna paradisaea</i>	SC	
Least Tern	<i>Sternula antillarum</i>	SC	
<u>Eastern Meadowlark</u>	<i>Sturnella magna</i>	SC	
Barn Owl	<i>Tyto alba</i>	SC	
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	E	
Mammals			
Sei Whale	<i>Balaenoptera borealis</i>	E E	
Blue Whale	<i>Balaenoptera musculus</i>	E E	
Fin Whale	<i>Balaenoptera physalus</i>	E E	
Northern Atlantic Right Whale	<i>Eubalaena glacialis</i>	E E	
Humpback Whale	<i>Megaptera novaeangliae</i>	E E	
<u>Eastern Small-footed</u> <u>Myotis</u> <u>Bat</u>	<i>Myotis leibii</i>	E	
<u>Little Brown</u> <u>Myotis</u> <u>Bat</u>	<i>Myotis lucifugus</i>	E	
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	E T	
Indiana Bat	<i>Myotis sodalis</i>	E E	
Tricolored Bat	<i>Perimyotis subflavus</i>	E	
Sperm Whale	<i>Physeter macrocephalus</i>	E E	
Rock Shrew	<i>Sorex dispar</i>	SC	
Water Shrew	<i>Sorex palustris</i>	SC	
Southern Bog Lemming	<i>Synaptomys cooperi</i>	SC	

Comment [BJ(10): Common name change and genus name change

Comment [BJ(11): Species name change only

Comment [BJ(12): Common name change and species name change

Comment [BJ(13): Genus name change only

Comment [BJ(14): Genus name change only

Comment [BJ(15): Genus name change only

Comment [BJ(16): Common name change only

Comment [BJ(17): Common name change only

Comment [BJ(18): Common name change only

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

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Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
INVERTEBRATES				
Sponges				
Smooth Branched Sponge	<i>Spongilla aspinosa</i>		SC	
Flatworms				
Sunderland Spring Planarian	<i>Polyeetus</i> <i>Seidlia remota</i>		SC	Comment [BJ(19): Genus name change only
Segmented Worms				
New England Medicinal Leech	<i>Macrobdella sestertia</i>		SC	
Snails				
New England Siltsnail	<i>Floridobia winkleyi</i>		SC	
Coastal Marsh Snail Henscomb Hydrobe	<i>Littoridinops tenuipes</i>		SC	Comment [BJ(20): Common name change only
Boreal Marstonia	<i>Marstonia lustrica</i>		E	
Slender Walker	<i>Pomatiopsis lapidaria</i>		E	
Boreal Turret Snail Mossy Valvata	<i>Valvata sincera</i>		E	Comment [BJ(21): Common name change only
Mussels				
Dwarf Wedgemussel	<i>Alasmidonta heterodon</i>	E	E	
Swollen Wedgemussel Brook Floater	<i>Alasmidonta varicosa</i>	E		Comment [BJ(22): Common name change only
Yellow Lampmussel	<i>Lampsilis cariosa</i>	E		
Tidewater Mucket	<i>Leptodea ochracea</i>		SC	
Eastern Pondmussel	<i>Ligumia nasuta</i>		SC	
Creeper	<i>Strophitus undulatus</i>		SC	
Crustaceans				
Intricate Fairy Shrimp	<i>Eubbranchipus intricatus</i>		SC	
Agassiz's Clam Shrimp	<i>Eulimnadia agassizii</i>		E	
Northern Northern Spring Amphipod	<i>Gammarus pseudolimnaeus</i>		SC	Comment [BJ(23): Typo correction
American Clam Shrimp	<i>Limnadia lenticularis</i>		SC	
Taconic Cave Amphipod	<i>Stygobromus borealis</i>		E	
Piedmont Groundwater Amphipod	<i>Stygobromus tenuis</i> tenuis		SC	Comment [BJ(24): Subspecies name elimination
Coastal Swamp Amphipod	<i>Synurella chamberlaini</i>		SC	
Dragonflies				
Subarctic Darner	<i>Aeshna subarctica</i>		E	
Ocellated Darner	<i>Boyeria grafiana</i>		SC	
Midland Clubtail	<i>Gomphus</i> <i>Gomphurus fraternus</i>		E	Comment [BJ(25): Genus name change only
Sillet Clubtail	<i>Gomphus</i> <i>Gomphurus ventricosus</i>		T	Comment [BJ(26): Genus name change only
Cobra Clubtail	<i>Gomphus vastus</i>		SC	
Spine-crowned Clubtail	<i>Gomphus</i> <i>Hylogomphus abbreviatus</i>		SC	Comment [BJ(27): Genus name change only
Umber Shadowdragon	<i>Neurocordulia obsoleta</i>		SC	
Stygian Shadowdragon	<i>Neurocordulia yamaskanensis</i>		SC	
Brook Snaketail	<i>Ophiogomphus aspersus</i>		SC	
Riffle Snaketail	<i>Ophiogomphus carolus</i>		T	
Harpoon Clubtail	<i>Gomphus</i> <i>Phanogomphus descriptus</i>		E	Comment [BJ(28): Genus name change only
Rapids Clubtail	<i>Gomphus</i> <i>Phanogomphus quadricolor</i>		E	Comment [BJ(29): Genus name change only
Ski-tipped Emerald	<i>Somatochlora elongata</i>		SC	
Forcipate Emerald	<i>Somatochlora forcipata</i>		E	
Coppery Emerald	<i>Somatochlora georgiana</i>		E	
Incurvate Emerald	<i>Somatochlora incurvata</i>		E	
Kennedy's Emerald	<i>Somatochlora kennedyi</i>		E	
Mocha Emerald	<i>Somatochlora linearis</i>		SC	
Riverine Clubtail	<i>Stylurus amnicola</i>		E	
Ebony Boghaunter	<i>Williamsonia fletcheri</i>		E	
Ringed Boghaunter	<i>Williamsonia lintneri</i>		T	

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

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Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
INVERTEBRATES: continued				
Damselflies				
Tule Bluet	<i>Enallagma carunculatum</i>		SC	
Attenuated Bluet	<i>Enallagma daeckii</i>		T	
Scarlet Bluet	<i>Enallagma pictum</i>		T	
Pine Barrens Bluet	<i>Enallagma recurvatum</i>		T	
Beetles				
Northeastern Beach Tiger Beetle	<i>Cicindela dorsalis dorsalis</i>	E	T	
Twelve-spotted Tiger Beetle	<i>Cicindela duodecimguttata</i>		SC	
Bank Claybank Tiger Beetle	<i>Cicindela limbalis</i>		T	
Cobblestone Tiger Beetle	<i>Cicindela marginipennis</i>		E	
Barrens Tiger Beetle	<i>Cicindela patruela</i>		E	
Puritan Tiger Beetle	<i>Cicindela puritana</i>		E	T
Purple Tiger Beetle	<i>Cicindela purpurea</i>		SC	
Hentz's Redbelly Red-bellied Tiger Beetle	<i>Cicindela rufiventris hentzii</i>		T	
American Burying Beetle	<i>Nicrophorus americanus</i>		E	E
Butterflies and Moths				
Coastal Heathland Cutworm	<i>Abagrotis nefascia benjamini</i>		SC	
Barrens Daggermoth Dagger Moth	<i>Acronicta albarufa</i>		T	
Drunk Apamea Moth	<i>Apamea inebriata</i>		SC	
Phyllira Tiger Moth	<i>Grammia Apantesis phyllira</i>		E	
New Jersey Tea Inchworm	<i>Apodrepanulatrix liberaria</i>		E	
Hessel's Hairstreak	<i>Callophrys hesseli</i>		SC	
Frosted Elfin	<i>Callophrys irus</i>		SC	
Bog Elfin	<i>Callophrys lanoraieensis</i>		T	
Gerhard's Herodias Underwing Moth	<i>Catocala herodias gerhardi</i>		SC	
Precious Underwing Moth	<i>Catocala pretiosa pretiosa</i>		E	
Waxed Sallow Moth	<i>Chaetagnela cerata</i>		SC	
Melsheimer's Sack Bearer	<i>Cicinnus melsheimeri</i>		T	
Chain Dot Geometer	<i>Cingilia catenaria</i>		SC	
Unexpected Collared Cynia	<i>Cynia inopinatus collaris</i>		T	
The Pink Streak	<i>Dargida rubripennis</i>		T	
Imperial Moth	<i>Eacles imperialis</i>		T	
Early Hairstreak	<i>Erora laeta</i>		T	
Persius Duskywing	<i>Erynnis persius persius</i>		E	
Sandplain Scrub Euchlaena	<i>Euchlaena madusaria</i>		SC	
Dion Skipper	<i>Euphyes dion</i>		T	
Slender Clearwing Sphinx Moth	<i>Hemaris gracilis</i>		SC	
Barrens Buckmoth Buck Moth	<i>Hemileuca maia</i>		SC	
Sandplain Heterocampa	<i>Heterocampa varia</i>		T	
Buchholz's Gray	<i>Hypomecis buchholzaria</i>		E	
Pale Green Pinion Moth	<i>Lithophane viridipallens</i>		SC	
Twilight Moth	<i>Lycia rachelae</i>		E	
Pine Barrens Lycia Woolly Gray	<i>Lycia ypsilon</i>		T	
Barrens Metarranthis	<i>Metarranthis apicaria</i>		E	
Coastal Swamp Heath Metarranthis	<i>Metarranthis pilosaria</i>		SC	
Northern Brocade Moth	<i>Neoligia semicana</i>		SC	
Pitcher Plant Borer	<i>Papaipema appassionata</i>		T	
Ostrich Fern Borer	<i>Papaipema sp. 2</i>		SC	1
Chain Fern Borer	<i>Papaipema stenocelis</i>		T	
Water-willow Stem Borer	<i>Papaipema sulphurata</i>		T	
Cordgrass Borer	<i>Photodes inops</i>		SC	

Comment [BJ(30): Subspecies name elimination

Comment [BJ(31): Common name change only

Comment [BJ(32): Correction

Comment [BJ(33): Species name change only

Comment [BJ(34): Correction

Comment [BJ(35): Genus name change only

Comment [BJ(36): Sub-species name elimination and common name change

Comment [BJ(37): Subspecies name elimination

Comment [BJ(38): Species name change and common name change

Comment [BJ(39): Subspecies name elimination

Comment [BJ(40): Common name change only

Comment [BJ(41): Common name change only

Comment [BJ(42): Common name change only

Comment [BJ(43): Common name change only

¹ Undescribed species near *P. pterisii*.

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		
		MA	US	Notes
INVERTEBRATES: continued				
Butterflies and Moths: continued				
Mustard White	<i>Pieris oleracea</i>			T
Pink Sallow Moth	<i>Psectraglaea carnosa</i>			SC
Southern Ptichodis	<i>Ptichodis bistrigata</i>			T
Orange Sallow Moth	<i>Pyrrhia aurantiago</i>			SC
Pine Barrens Speranza	<i>Speranza (Speranza exonerata)</i>			SC
Faded Gray Geometer	<i>Stenoporpia polygrammaria</i>			T
Dune Noctuid Moth Sympistis	<i>Sympistis riparia</i>			SC
Pine Barrens Zale	<i>Zale lunifera</i>			SC 2
Pine Barrens Zanclognatha	<i>Zanclognatha martha</i>			SC
<u>Bees</u>				
<u>Walsh's Anthophora</u>	<u><i>Anthophora walshii</i></u>			<u>E</u>
<u>American Bumble Bee</u>	<u><i>Bombus pensylvanicus</i></u>			<u>E</u>
<u>Yellow-banded Bumble Bee</u>	<u><i>Bombus terricola</i></u>			<u>T</u>

Comment [BJ(44)]: Common name change only

Comment [BJ(45)]: Common name change only

² True *Z. lunifera*, sensu Schmidt, B.C. (2010). Taxonomic ~~Reassessment~~-reassessment of *Zale lunifera* (~~Hubner~~Hübner) (Erebidae, Erebinæ). -*Zookeys* 39: 99-106.

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

PLANTS

Taxonomic Family Common Name	Scientific Name	Status		
		MA	US	Notes
Adiantaceae (Cliff Ferns)				
Fragile Rock brake	<i>Cryptogramma stelleri</i>			E
Alismataceae (Arrowheads)				
Estuary Arrowhead	<i>Sagittaria montevidensis</i> ssp. <i>spongiosa</i>			E
Wapato	<i>Sagittaria cuneata</i>			T
Terete Arrowhead	<i>Sagittaria teres</i>			SC
Apiaceae (Parsleys, Angelicas)				
Hemlock Parsley	<i>Conioselinum chinense</i>			SC
Saltpond Pennywort	<i>Hydrocotyle verticillata</i>			T
Canadian Sanicle	<i>Sanicula canadensis</i>			T
Long-styled Sanicle	<i>Sanicula odorata</i>			T
Aquifoliaceae (Hollies)				
Mountain Winterberry	<i>Ilex montana</i>			E
Araceae (Arums)				
Green Dragon	<i>Arisaema dracontium</i>			T
Golden Club	<i>Orontium aquaticum</i>			E
Araliaceae (Ginsengs)				
Ginseng	<i>Panax quinquefolius</i>			SC
Asclepiadaceae (Milkweeds)				
Purple Milkweed	<i>Asclepias purpurascens</i>			E
Linear-leaved Milkweed	<i>Asclepias verticillata</i>			T
Aspleniaceae (Spleenworts)				
Mountain Spleenwort	<i>Asplenium montanum</i>			E
Wall-rue Spleenwort	<i>Asplenium ruta-muraria</i>			T
Asteraceae (Asters, Composites)				
Lesser Snakeroot	<i>Ageratina aromatica</i>			E
Eaton's Beggar-ticks	<i>Bidens eatonii</i>			E
Estuary Beggar-ticks	<i>Bidens hyperborea</i>			E
Cornel-leaved Aster	<i>Doellingeria infirma</i>			E
New-England Boneset	<i>Eupatorium novae-angliae</i>			E
Purple Cudweed	<i>Gnaphalium purpureum</i>			E
New-England Blazing Star	<i>Liatris scariosa</i> var. <i>novae-angliae</i>			SC

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

PLANTS

Taxonomic Family Common Name	Scientific Name	Status		
		MA	US	Notes
Asteraceae (Asters, Composites): continued				
Lion's Foot	<i>Nabalus serpentarius</i>			E
Sweet Coltsfoot	<i>Petasites frigidus</i> var. <i>palmatius</i>			E
Sclerolepis	<i>Sclerolepis uniflora</i>			E
Large-leaved Goldenrod	<i>Solidago macrophylla</i>			SC
Upland White Aster	<i>Oligoneuron album</i>			E
Rand's Goldenrod	<i>Solidago simplex</i> ssp. <i>randii</i> var. <i>monticola</i>			E
Eastern Silvery Aster	<i>Symphotrichum concolor</i>			E
Tradescant's Aster	<i>Symphotrichum tradescantii</i>			T
Betulaceae (Birches, Alders)				
Mountain Alder	<i>Alnus viridis</i> ssp. <i>crispa</i>			SC
Swamp Birch	<i>Betula pumila</i>			E
Boraginaceae (Borages)				
Northern Wild Comfrey	<i>Cynoglossum virginianum</i> var. <i>boreale</i>			E
Oysterleaf	<i>Mertensia maritima</i>			E
Brassicaceae (Mustards)				
Lyre-leaved Rock cress	<i>Arabisopsis lyrata</i>			E
Smooth Rock cress	<i>Boechera laevigata</i>			SC
Green Rock cress	<i>Boechera missouriensis</i>			T
Purple Cress	<i>Cardamine douglassii</i>			E
Long's Bitter cress	<i>Cardamine longii</i>			E
Fen Cuckoo Flower	<i>Cardamine dentata</i>			T
Caetaceae (Cacti)				
Prickly Pear	<i>Opuntia humifusa</i>			E
Campanulaceae (Bluebells, Lobelias)				
Great Blue Lobelia	<i>Lobelia siphilitica</i>			E
Caprifoliaceae (Honeysuckles)				
Hairy Honeysuckle	<i>Lonicera hirsuta</i>			E
American Twinflower	<i>Linnaca borealis</i>			SC
Snowberry	<i>Symphoricarpos albus</i> var. <i>albus</i>			E
Broad Tinker's weed	<i>Triosteum perfoliatum</i>			E
Downy Arrowwood	<i>Viburnum rafinesquianum</i>			E
Caryophyllaceae (Pinks, Sandworts)				
Nodding Chickweed	<i>Cerastium nutans</i>			E
Michaux's Sandwort	<i>Minuartia michauxii</i>			T
Large-leaved Sandwort	<i>Moehringia macrophylla</i>			E
Silverling	<i>Paronychia argyrocoma</i>			E
Celastraceae (Staff Tree Family)				
American Bittersweet	<i>Celastrus scandens</i>			T
Chenopodiaceae (Saltworts)				
Fogg's Goosefoot	<i>Chenopodium foggii</i>			E
American Sea-blite	<i>Suaeda calceoliformis</i>			SC

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Taxonomic Family Common Name	Scientific Name	Status		
		MA	US	Notes
Cistaceae (Rockroses, Pinweeds)				
Beaded Pinweed	<i>Lechea pulchella</i> var. <i>moniliformis</i>	E		
Clusiaceae (St. John's worts)				
Creeping St. John's wort	<i>Hypericum adpressum</i>			T
Giant St. John's wort	<i>Hypericum asecyron</i>			E
St. Andrew's Cross	<i>Hypericum stragulum</i>			E
Convolvulaceae (Morning Glories)				
Low Bindweed	<i>Calystegia spithamea</i>	E		
Crassulaceae (Sedums)				
Pygmyweed	<i>Crassula aquatica</i>	T		
Cupressaceae (Cedars, Junipers)				
Arborvitae	<i>Thuja occidentalis</i>	E		
Cyperaceae (Sedges)				
Foxtail Sedge	<i>Carex alopecoidea</i>			T
Back's Sedge	<i>Carex backii</i>			E
Bailey's Sedge	<i>Carex baileyi</i>			T
Bush's Sedge	<i>Carex bushii</i>			E
Chestnut colored Sedge	<i>Carex eastanea</i>			E
Creeping Sedge	<i>Carex chordorrhiza</i>			E
Davis' Sedge	<i>Carex davisii</i>			E
Handsome Sedge	<i>Carex formosa</i>			T
Glaucescent Sedge	<i>Carex glaucoidea</i>			E
Slender Woodland Sedge	<i>Carex gracilescens</i>			E
Gray's Sedge	<i>Carex grayi</i>			T
Hitchcock's Sedge	<i>Carex hitchcockiana</i>			SC
Shore Sedge	<i>Carex lenticularis</i>			T
Glaucous Sedge	<i>Carex livida</i>			E
False Hop sedge	<i>Carex lupuliformis</i>			E
Midland Sedge	<i>Carex mesochorea</i>			E
Michaux's Sedge	<i>Carex michauxiana</i>			E
Mitchell's Sedge	<i>Carex mitchelliana</i>			T
Rich Woods Sedge	<i>Carex oligocarpa</i>			T
Few seeded Sedge	<i>Carex oligosperma</i>			E
Few flowered Sedge	<i>Carex pauciflora</i>			E
Variable Sedge	<i>Carex polymorpha</i>			E
Schweinitz's Sedge	<i>Carex schweinitzii</i>			E
Dioecious Sedge	<i>Carex sterilis</i>			T
Squarrose Sedge	<i>Carex squarrosa</i>			T
Walter's Sedge	<i>Carex striata</i>			E
Fen Sedge	<i>Carex tetanica</i>			SC
Hairy fruited Sedge	<i>Carex trichocarpa</i>			SC
Tuckerman's Sedge	<i>Carex tuckermanii</i>			E
Cat tail Sedge	<i>Carex typhina</i>			T
Engelmann's Umbrella sedge	<i>Cyperus engelmannii</i>			T

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Cyperaceae (Sedges): continued

Wright's Spike-rush	<i>Eleocharis diandra</i>	E		
Intermediate Spike-sedge	<i>Eleocharis intermedia</i>	T		
Tiny fruited Spike-sedge	<i>Eleocharis microcarpa</i> var. <i>filiculmis</i>	E		
Ovate Spike-sedge	<i>Eleocharis ovata</i>	E		
Few-flowered Spike-sedge	<i>Eleocharis quinqueflora</i>	E		
Three-angled Spike-sedge	<i>Eleocharis tricostata</i>	E		
Slender Cottongrass	<i>Eriophorum gracile</i>	T		
Dwarf Bulrush	<i>Lipocarpa micrantha</i>	T		
Capillary Beak-sedge	<i>Rhynchospora capillacea</i>	E		
Inundated Horned-sedge	<i>Rhynchospora inundata</i>	T		
Short beaked Bald-sedge	<i>Rhynchospora nitens</i>	T		
Long beaked Bald-sedge	<i>Rhynchospora scirpoides</i>	SC		
Torrey's Beak-sedge	<i>Rhynchospora torreyana</i>	E		
Northeastern Bulrush	<i>Scirpus ancistrochaetus</i>	E	E	
Long's Bulrush	<i>Scirpus longii</i>	T		
Papillose Nut-sedge	<i>Scleria pauciflora</i>	E		†
Tall Nut-sedge	<i>Scleria triglomerata</i>	E		

Dryopteridaceae (Wood Ferns)

Braun's Holly fern	<i>Polystichum braunii</i>	E		
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Elatinaceae (Waterworts)

American Waterwort	<i>Elatine americana</i>	E		
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Empetraceae (Crowberries)

Equisetaceae (Horsetails)

Dwarf Scouring-rush	<i>Equisetum scirpoides</i>	SC		
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Ericaceae (Laurels, Blueberries)

Pink Pyrola	<i>Pyrola asarifolia</i>	E		
One-flowered Pyrola	<i>Moneses uniflora</i>	SC		
Great Laurel	<i>Rhododendron maximum</i>	T		
Mountain Cranberry	<i>Vaccinium vitis-idaea</i> ssp. <i>minus</i>	E		

Eriocaulaceae (Pipeworts)

Parker's Pipewort	<i>Eriocaulon parkeri</i>	E		
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Fabaceae (Beans, Peas, Clovers)

Large-bracted Tick-trefoil	<i>Desmodium cuspidatum</i>	T		
Wild Senna	<i>Senna hebecarpa</i>	E		

Fagaceae (Oaks, Beeches)

Bur Oak	<i>Quercus macrocarpa</i>	SC		
Yellow Oak	<i>Quercus muhlenbergii</i>	T		

Fumariaceae (Fumitories)

Climbing Fumitory	<i>Adlumia fungosa</i>	SC		
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† Includes the two varieties of this species that occur in Massachusetts: *s. p.* var. *pauciflora* and *s. p.* var. *caroliniana*

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Gentianaceae (Gentians)				
Andrew's Bottle Gentian	<i>Gentiana andrewsii</i>	E		
Spurred Gentian	<i>Halenia deflexa</i>	E		
Slender Marsh Pink	<i>Sabatia campanulata</i>	E		
Plymouth Gentian	<i>Sabatia kennedyana</i>	SC		
Sea Pink	<i>Sabatia stellaris</i>	E		
Grossulariaceae (Currants)				
Bristly Black Currant	<i>Ribes lacustre</i>			SC
Haemodoraceae (Redroots)				
Redroot	<i>Lachnanthes caroliana</i>			SC
Haloragaceae (Water milfoils) Alternate-flowered Water-				
milfoil	<i>Myriophyllum alterniflorum</i>	E		
Farwell's Water-				
milfoil	<i>Myriophyllum farwellii</i>	E		
Pinnate Water milfoil	<i>Myriophyllum pinnatum</i>			SC
Comb Water milfoil	<i>Myriophyllum verticillatum</i>	E		
Hydrophyllaceae (Waterleaves)				
Broad Waterleaf	<i>Hydrophyllum canadense</i>	E		
Hymenophyllaceae (Filmy ferns)				
Appalachian Bristle fern	<i>Trichomanes intricatum</i>	E		
Iridaceae (Irises)				
Sandplain Blue-eyed Grass	<i>Sisyrinchium fuscatum</i>			SC
Slender Blue-eyed Grass	<i>Sisyrinchium mucronatum</i>	E		
Isoetaceae (Quillworts)				
Acadian Quillwort	<i>Isoetes acadiensis</i>	E		
Lake Quillwort	<i>Isoetes lacustris</i>	E		
Juncaceae (Rushes)				
Two-flowered Rush	<i>Juncus biflorus</i>			T
Weak Rush	<i>Juncus debilis</i>	E		
Thread Rush	<i>Juncus filiformis</i>	E		
Black fruited Woodrush	<i>Luzula parviflora ssp. melanocarpa</i>	E		
Lamiaceae (Mints)				
Purple Giant hyssop	<i>Agastache scrophulariifolia</i>	E		
Downy Wood mint	<i>Blephilia ciliata</i>	E		
Hairy Wood mint	<i>Blephilia hirsuta</i>	E		
Gypsywort	<i>Lycopus rubellus</i>	E		
False Pennyroyal	<i>Trichostema brachiatum</i>	E		

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Lentibulariaceae (Bladderworts)				
Resupinate Bladderwort	<i>Utricularia resupinata</i>			T
Subulate Bladderwort	<i>Utricularia subulata</i>			SC
Liliaceae (Lilies)				
Devil's bit	<i>Chamaelirium luteum</i>			E
Linaceae (Flaxes)				
Rigid Flax	<i>Linum medium var. texanum</i>			T
Lycopodiaceae (Clubmosses)				
Foxtail Clubmoss	<i>Lycopodiella alopecuroides</i>			E
Appalachian Firmoss	<i>Huperzia appressa</i>			E
Mountain Firmoss	<i>Huperzia selago</i>			E
Lythraceae (Loosestrifes)				
Tootheup	<i>Rotala ramosior</i>			E
Magnoliaceae (Magnolias)				
Sweetbay Magnolia	<i>Magnolia virginiana</i>			E
Melastomataceae (Meadow Beauties)				
Maryland Meadow Beauty	<i>Rhexia mariana</i>			E
Moraceae (Mulberries)				
Red Mulberry	<i>Morus rubra</i>			E
Nymphaeaceae (Water Lilies)				
Tiny Cow lily	<i>Nuphar microphylla</i>			E
Onagraceae (Evening Primroses)				
Many fruited False loosestrife	<i>Ludwigia polycarpa</i>			E
Round fruited False loosestrife	<i>Ludwigia sphaerocarpa</i>			E
Ophioglossaceae (Grape Ferns)				
Adder's tongue Fern	<i>Ophioglossum pusillum</i>			T
Orchidaceae (Orchids)				
Putty root	<i>Aplectrum hyemale</i>			E
Arethusa	<i>Arethusa bulbosa</i>			T
Autumn Coralroot	<i>Corallorhiza odontorhiza</i>			SC
Ram's head Lady's slipper	<i>Cypripedium arietinum</i>			E

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Orchidaceae (Orchids):—continued				
Yellow Lady's slipper	<i>Cypripedium parviflorum</i>	E		
Showy Lady's slipper	<i>Cypripedium reginae</i>	E		
Dwarf Rattlesnake plantain	<i>Goodyera repens</i>	E		
Small Whorled Pogonia	<i>Isotria medeoloides</i>	E	T	
Lily leaf Twayblade	<i>Liparis liliifolia</i>	T		
Heartleaf Twayblade	<i>Listera cordata</i>	E		
Bayard's Green Adder's Mouth	<i>Malaxis bayardii</i>	E		
White Adder's Mouth	<i>Malaxis monophyllos</i> var. <i>brachypoda</i>	E		
Green Adder's Mouth	<i>Malaxis unifolia</i>	T		
Southern Twayblade	<i>Neottia bifolia</i>	T		
Crested Fringed Orchis	<i>Platanthera cristata</i>	E		
Leafy White Orchis	<i>Platanthera dilatata</i>	T		
Pale Green Orchis	<i>Platanthera flava</i> var. <i>herbiola</i>	T		
Hooded Ladies' tresses	<i>Spiranthes romanzoffiana</i>	E		
Grass leaved Ladies' tresses	<i>Spiranthes vernalis</i>	T		
Crane fly Orchid	<i>Tipularia discolor</i>	E		
Nodding Pogonia	<i>Triphora trianthophora</i>	E		
Orobanchaceae (Broomrapes)				
American Chaffseed	<i>Schwalbea americana</i>	E	E	
Oxalidaceae (Wood sorrels)				
Violet Wood sorrel	<i>Oxalis violacea</i>	E		
Poaceae (Grasses)				
Annual Peanutgrass	<i>Amphicarpum amphicarpon</i>	E		
Purple Needlegrass	<i>Aristida purpurascens</i>	T		
Seabeach Needlegrass	<i>Aristida tuberculosa</i>	T		
Reed Bentgrass	<i>Calamagrostis pickeringii</i>	E		
New England Northern Reed Grass	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	E		
Tufted Hairgrass	<i>Deschampsia cespitosa</i> var. <i>glauca</i>	E		
Commons's Panic grass	<i>Dichanthelium ovale</i> ssp. <i>pseudopubescens</i>		SC	
Mattamuskeet Panic grass	<i>Dichanthelium dichotomum</i> ssp. <i>mattamuskeetense</i>	E		
Rough Panic grass	<i>Dichanthelium scabriusculum</i>	T		
Wright's Panic grass	<i>Dichanthelium wrightianum</i>		SC	
Hairy Wild Rye	<i>Elymus villosus</i>	E		
Frank's Lovegrass	<i>Eragrostis frankii</i>		SC	
Saltpond Grass	<i>Leptochloa fusea</i> ssp. <i>fascicularis</i>	T		
Sea Lyme grass	<i>Leymus mollis</i>	E		
Woodland Millet	<i>Milium effusum</i>	T		
Gattinger's Panic grass	<i>Panicum philadelphicum</i> ssp. <i>gattingeri</i>		SC	
Long leaved Panic grass	<i>Panicum rigidulum</i> ssp. <i>pubescens</i>	T		
Philadelphia Panic grass	<i>Panicum philadelphicum</i> ssp. <i>philadelphicum</i>		SC	
Drooping Speargrass	<i>Poa saltuensis</i> ssp. <i>languida</i>	E		
Bristly Foxtail	<i>Setaria parviflora</i>		SC	
Salt Reedgrass	<i>Spartina cynosuroides</i>	T		
Shining Wedgegrass	<i>Sphenopholis nitida</i>	T		
Swamp Oats	<i>Sphenopholis pensylvanica</i>	T		
Small Dropseed	<i>Sporobolus neglectus</i>	E		
Northern Gama grass	<i>Tripsacum dactyloides</i>	E		
Spiked False oats	<i>Trisetum spicatum</i>	E		

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Polygonaceae (Docks, Knotweeds)				
Strigose Knotweed	<i>Persicaria setacea</i>			T
Sea-beach Knotweed	<i>Polygonum glaucum</i>			SC
Pondshore Knotweed	<i>Persicaria puritanorum</i>			SC
Seabeach Dock	<i>Rumex pallidus</i>			T
Swamp Dock	<i>Rumex verticillatus</i>			T
Portulacaceae (Spring Beauties)				
Narrow-leaved Spring Beauty	<i>Claytonia virginica</i>			E
Potamogetonaceae (Pondweeds)				
Algae-like Pondweed	<i>Potamogeton confervoides</i>			T
Fries' Pondweed	<i>Potamogeton friesii</i>			E
Hill's Pondweed	<i>Potamogeton hillii</i>			SC
Ogden's Pondweed	<i>Potamogeton ogdenii</i>			E
Straight-leaved Pondweed	<i>Potamogeton strictifolius</i>			E
Vasey's Pondweed	<i>Potamogeton vaseyi</i>			E
Ranunculaceae (Buttercups)				
Black Cohosh	<i>Actaea racemosa</i>			E
Purple Clematis	<i>Clematis occidentalis</i>			SC
Golden Seal	<i>Hydrastis canadensis</i>			E
Tiny-flowered Buttercup	<i>Ranunculus micranthus</i>			E
Bristly Buttercup	<i>Ranunculus pennsylvanicus</i>			SC
Rosaceae (Roses, Shadbushes)				
Small-flowered Agrimony	<i>Agrimonia parviflora</i>			E
Hairy Agrimony	<i>Agrimonia pubescens</i>			T
Bartram's Shadbush	<i>Amelanchier bartramiana</i>			T
Roundleaf Shadbush	<i>Amelanchier sanguinea</i>			SC
Bicknell's Hawthorn	<i>Crataegus bicknellii</i>			E
Sandbar Cherry	<i>Prunus pumila var. depressa</i>			T
Northern Prickly Rose	<i>Rosa acicularis ssp. sayi</i>			E
Northern Mountain-ash	<i>Sorbus decora</i>			E
Barren Strawberry	<i>Geum fragarioides</i>			SC
Rubiaceae (Bedstraws, Bluets)				
Northern Bedstraw	<i>Galium boreale</i>			E
Labrador Bedstraw	<i>Galium labradoricum</i>			T
Long-leaved Bluet	<i>Houstonia longifolia</i>			E
Salicaceae (Willows)				
Swamp Cottonwood	<i>Populus heterophylla</i>			E
Sandbar Willow	<i>Salix exigua ssp. interior</i>			T

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		MA	US	
<i>Scheuchzeriaceae (Pod-grasses)</i>				
Pod-grass	<i>Scheuchzeria palustris</i>	E		
<i>Schizaeaceae (Climbing Ferns)</i>				
Climbing Fern	<i>Lygodium palmatum</i>	SC		
<i>Scrophulariaceae (Figworts)</i>				
Sandplain Gerardia	<i>Agalinis acuta</i>	E	E	
Winged Monkey-flower	<i>Mimulus alatus</i>	E		
Muskflower	<i>Mimulus moschatus</i>	T		
Swamp Lousewort	<i>Pedicularis lanceolata</i>	E		
Hairy Beardtongue	<i>Penstemon hirsutus</i>	E		
Sessile Water-speedwell	<i>Veronica catenata</i>	E		
Culver's root	<i>Veronicastrum virginicum</i>	T		
<i>Sparganiaceae (Bur-reeds)</i>				
Small Bur reed	<i>Sparganium natans</i>	E		
<i>Verbenaceae (Vervains)</i>				
Narrow-leaved Vervain	<i>Verbena simplex</i>	E		
<i>Violaceae (Violets)</i>				
Sand Violet	<i>Viola adunca</i>	SC		
Britton's Violet	<i>Viola brittoniana</i>	T		
<i>Viscaceae (Christmas mistletoes)</i>				
Dwarf Mistletoe	<i>Arceuthobium pusillum</i>	SC		
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Black Cohosh	<i>Actaea racemosa</i>	E		
Climbing Fumitory	<i>Adlumia fungosa</i>	SC		
Sandplain Gerardia	<i>Agalinis acuta</i>	E	E	
Purple Giant-hyssop	<i>Agastache scrophulariifolia</i>	E		Comment [BJ(46): Correction
Lesser Snakeroot	<i>Ageratina aromatica</i>	E		
Small-flowered Agrimony	<i>Agrimonia parviflora</i>	E		
Hairy Downy Agrimony	<i>Agrimonia pubescens</i>	T		Comment [BJ(47): Common name change only
Mountain Alder	<i>Alnus viridis ssp. crispa</i>	SC		
Bartram's Shadbush	<i>Amelanchier bartramiana</i>	T		
Roundleaf Round-leaved Shadbush	<i>Amelanchier sanguinea</i>	SC		Comment [BJ(48): Common name change only
Annual Peanutgrass	<i>Amphicarpum amphicarpon</i>	E		
Putty-root	<i>Aplectrum hyemale</i>	E		
Lyre-leaved Rock-cress	<i>Arabidopsis lyrata</i>	E		
Eastern Dwarf Mistletoe	<i>Arceuthobium pusillum</i>	SC		Comment [BJ(49): Common name change only
Arethusa	<i>Arethusa bulbosa</i>	T		
Green Dragon	<i>Arisaema dracontium</i>	T		
Purple Needlegrass	<i>Aristida purpurascens</i>	T		
Seabeach Needlegrass	<i>Aristida tuberculosa</i>	T		
Purple Milkweed	<i>Asclepias purpurascens</i>	E		
Linear-leaved Whorled Milkweed	<i>Asclepias verticillata</i>	T		Comment [BJ(50): Common name change only
Mountain Spleenwort	<i>Asplenium montanum</i>	E		
Wall-rue Spleenwort	<i>Asplenium ruta-muraria</i>	T		
Swamp Birch	<i>Betula pumila</i>	E		
Eaton's Beggar-ticks	<i>Bidens eatonii</i>	E		
Estuary Beggar-ticks	<i>Bidens hyperborea</i>	E		
Downy Wood-mint	<i>Blephilia ciliata</i>	E		

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Hairy Wood-mint	<i>Blephilia hirsuta</i>	E		
Smooth Rock-cress	<i>Boechera laevigata</i>	SC		
Green Rock-cress	<i>Boechera missouriensis</i>	T		
Pickering's Reed-Bentgrass	<i>Calamagrostis pickeringii</i>	E		Comment [BJ(51): Common name change only
New England Northern Reed Grass	<i>Calamagrostis stricta</i> ssp. <i>inexpansa</i>	E		
Low Upright Bindweed	<i>Calystegia spithamea</i>	E		Comment [BJ(52): Common name change only
Fen Cuckoo- Flower-flower	<i>Cardamine dentata</i>	T		
Purple Cress	<i>Cardamine douglassii</i>	E		Comment [BJ(53): Correction
Long's Bitter-cress	<i>Cardamine longii</i>	T		Comment [BJ(54): Correction
Foxtail Sedge	<i>Carex alopecoidea</i>	T		
Back's Sedge	<i>Carex backii</i>	E		
Bailey's Sedge	<i>Carex baileyi</i>	T		
Bush's Sedge	<i>Carex bushii</i>	E		
Chestnut-colored Sedge	<i>Carex castanea</i>	E		
Creeping Sedge	<i>Carex chordorrhiza</i>	E		
Davis' Sedge	<i>Carex davisii</i>	E		
Handsome Sedge	<i>Carex formosa</i>	T		
Glaucous Sedge	<i>Carex glaucoidea</i>	E		
Slender Woodland Sedge	<i>Carex gracilescens</i>	E		
Gray's Sedge	<i>Carex grayi</i>	T		
Hitchcock's Sedge	<i>Carex hitchcockiana</i>	SC		
Shore Sedge	<i>Carex lenticularis</i>	T		
Glaucous-Livid Sedge	<i>Carex livida</i>	E		Comment [BJ(55): Common name change only
False Hop-s Sedge	<i>Carex lupuliformis</i>	E		
Midland Sedge	<i>Carex mesochorea</i>	E		Comment [BJ(56): Correction
Michaux's Sedge	<i>Carex michauxiana</i>	E		
Mitchell's Sedge	<i>Carex mitchelliana</i>	T		
Rich Woods Sedge	<i>Carex oligocarpa</i>	T		
Few-seeded Sedge	<i>Carex oligosperma</i>	E		
Few-flowered Sedge	<i>Carex pauciflora</i>	E		
Variable Sedge	<i>Carex polymorpha</i>	E		
Schweinitz's Sedge	<i>Carex schweinitzii</i>	E		
Squarrose Sedge	<i>Carex squarrosa</i>	T		
Dioecious Sedge	<i>Carex sterilis</i>	T		
Walter's Sedge	<i>Carex striata</i>	E		
Fen Sedge	<i>Carex tetanica</i>	SC		
Hairy-fruited Sedge	<i>Carex trichocarpa</i>	SC		
Tuckerman's Sedge	<i>Carex Tuckermanii tuckermanii</i>	E		Comment [BJ(57): Correction
Cat-tail Sedge	<i>Carex typhina</i>	T		
American Bittersweet	<i>Celastrus scandens</i>	T		
Nodding Chickweed	<i>Cerastium nutans</i>	E		
Devil's-bit	<i>Chamaelirium luteum</i>	E		
Fogg's Goosefoot	<i>Chenopodium foggii</i>	E		
Narrow-leaved Spring-Beauty-beauty	<i>Claytonia virginica</i>	E		Comment [BJ(58): Correction
Purple Clematis	<i>Clematis occidentalis</i>	SC		
Long-leaved Panic-grass	<i>Panicum rigidulum</i> ssp. <i>pubescens</i> <i>Coleataenia longifolia</i> ssp. <i>longifolia</i>	T		Comment [BJ(59): Scientific name change
Hemlock- Parsley-parsley	<i>Conioselinum chinense</i>	SC		Comment [BJ(60): Correction
Autumn Coral-root	<i>Corallorhiza odontorhiza</i>	SC		
Shore Pygmy-weed	<i>Crassula aquatica</i>	T		Comment [BJ(61): Common name change and correction
Bicknell's Hawthorn	<i>Crataegus bicknellii</i>	E		
Appalachian Bristle-fern	<i>Trichomanes</i> <i>Crepidomanes intricatum</i>	E		Comment [BJ(62): Genus name change only
Fragile Rock-brake	<i>Cryptogramma stelleri</i>	E		
Northern Wild Comfrey	<i>Cynoglossum virginianum</i> var. <i>boreale</i>	E		
Engelmann's Umbrella-Flatsedge	<i>Cyperus engelmannii</i>	T		Comment [BJ(63): Common name change only
Ram's-h Head Lady's-slipper	<i>Cypripedium arietinum</i>	E		
Yellow Lady's-slipper	<i>Cypripedium parviflorum</i>	E		
Showy Lady's-slipper	<i>Cypripedium reginae</i>	E		

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Tufted Tussock Hairgrass	<i>Deschampsia cespitosa</i> var. ssp. <i>glauca</i>	E		Comment [BJ(64): Common name change only
Large-bracted Tick-trefoil	<i>Desmodium cuspidatum</i>	T		
Mattamuskeet Panic Rosette-grass	<i>Dichantherium dichotomum</i> ssp. <i>mattamuskeetense</i>	E		Comment [BJ(65): Correction
Commons's Panic Rosette-grass	<i>Dichantherium ovale</i> ssp. <i>pseudopubescens</i> <i>commonsianum</i>		SC	Comment [BJ(66): Common name change and species name change
Rough Panic Rosette-grass	<i>Dichantherium scabriusculum</i>	T		Comment [BJ(67): Common name change and species name change
Wright's Panic Rosette-grass	<i>Dichantherium wrightianum</i>		SC	
Cornel-leaved Aster	<i>Doellingeria infirma</i>	E		Comment [BJ(68): Common name change only
American Waterwort	<i>Elatine americana</i>	E		
Wright's Spike-rush-sedge	<i>Eleocharis diandra</i>	E		Comment [BJ(69): Common name change only
Intermediate-Matted Spike-sedge	<i>Eleocharis intermedia</i>	T		
Tiny-fruited Spike-sedge	<i>Eleocharis microcarpa</i> var. <i>filiculmis</i>	E		Comment [BJ(70): Common name change only
Ovate Spike-sedge	<i>Eleocharis ovata</i>	E		
Few-flowered Spike-sedge	<i>Eleocharis quinqueflora</i>	E		Comment [BJ(71): Subspecies name removal
Three-angled Spike-sedge	<i>Eleocharis tricostata</i>	E		
Hairy Wild Rye	<i>Elymus villosus</i>	E		
Dwarf Scouring-rush	<i>Equisetum scirpoides</i>		SC	Comment [BJ(72): Correction
Frank's Lovegrass	<i>Eragrostis frankii</i>		SC	
Parker's Pipewort	<i>Eriocaulon parkeri</i>	E		
Slender Cottongrass	<i>Eriophorum gracile</i>	T		
New England Boneset	<i>Eupatorium novae-angliae</i>	E		
Northern Bedstraw	<i>Galium boreale</i>	E		
Labrador Bedstraw	<i>Galium labradoricum</i>	T		
Purple Cudweed	<i>Gamochaeta purpurea</i>	E		
Andrew's Andrews' Bottle Gentian	<i>Gentiana andrewsii</i>	E		Comment [BJ(73): Correction
Barren Strawberry	<i>Geum fragarioides</i>		SC	
Dwarf Rattlesnake-plantain	<i>Goodyera repens</i>	E		
Spurred Gentian	<i>Halenia deflexa</i>	E		
Long-leaved Bluet	<i>Houstonia longifolia</i>	E		
Appalachian Firmoss	<i>Huperzia appressa</i>	E		
Mountain Firmoss	<i>Huperzia selago</i>	E		
Golden Seal	<i>Hydrastis canadensis</i>	E		
Saltpond Pennywort	<i>Hydrocotyle verticillata</i>	T		
Broad Waterleaf	<i>Hydrophyllum canadense</i>	E		
Creeping St. John's-wort	<i>Hypericum adpressum</i>	T		
Giant St. John's-wort	<i>Hypericum ascyron</i>	E		
St. Andrew's Cross	<i>Hypericum stragulum</i>	E		
Mountain Winterberry Big-leaved Holly	<i>Ilex montana</i>	E		Comment [BJ(74): Common name change only
Acadian Quillwort	<i>Isoetes acadiensis</i>	E		
Lake Quillwort	<i>Isoetes lacustris</i>	E		
Small Whorled Pogonia	<i>Isotria medeoloides</i>	E	T	
Two-flowered Rush	<i>Juncus biflorus</i>		T	
Weak Rush	<i>Juncus debilis</i>	E		
Thread Rush	<i>Juncus filiformis</i>	E		
Redroot	<i>Lachnanthes caroliniana</i> <i>caroliniana</i>		SC	Comment [BJ(75): Correction. Original publication spelled name incorrectly.
Beaded Pinweed	<i>Lechea pulchella</i> var. <i>moniliformis</i>	E		
Saltpond Grass	<i>Leptochloa fusca</i> ssp. <i>fascicularis</i>	T		
Sea Lyme-grass	<i>Leymus mollis</i>	E		
New England Blazing Star	<i>Liatris scariosa</i> var. <i>novae-angliae</i>		SC	Comment [BJ(76): Species name change
American Twinflower	<i>Linnaea borealis</i>		SC	
Rigid Stiff Yellow Flax	<i>Linum medium</i> var. <i>texanum</i>	T		Comment [BJ(77): Common name change
Lily-leaf Twayblade	<i>Liparis liliifolia</i>	T		
Dwarf Bulrush	<i>Lipocarpa micrantha</i>	T		
Great Blue Lobelia	<i>Lobelia siphilitica</i>	E		
Hairy Honeysuckle	<i>Lonicera hirsuta</i>	E		
Many-fruited False-loosestrife Seedbox	<i>Ludwigia polycarpa</i>	E		Comment [BJ(78): Common name change
Round-fruited False-loosestrife Seedbox	<i>Ludwigia sphaerocarpa</i>	E		Comment [BJ(79): Common name change
Black-fruited Woodrush	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	E		

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Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Foxtail Clubmoss	<i>Lycopodiella alopecuroides</i>	E		
Gypsywort Taperleaf Water-horehound	<i>Lycopus rubellus</i>	E		Comment [BJ(80): Common name change only
Climbing Fern	<i>Lygodium palmatum</i>	SC		
Sweet bay Magnolia Bay	<i>Magnolia virginiana</i>	E		Comment [BJ(81): Common name change only
Bayard's Green Adder's Mouth mouth	<i>Malaxis bayardii</i>	E		
White Adder's Mouth mouth	<i>Malaxis monophyllos</i> var. ssp. <i>brachypoda</i>	E		Comment [BJ(82): Common name change only
Green Adder's Mouth mouth	<i>Malaxis unifolia</i>	T		
Oysterleaf	<i>Mertensia maritima</i>	E		Comment [BJ(83): Correction
Woodland Millet	<i>Milium effusum</i>	T		Comment [BJ(84): Correction
Winged Monkey-flower	<i>Mimulus alatus</i>	E		
Muskflower	<i>Mimulus moschatus</i>	T		
Michaux's Sandwort	<i>Minuartia michauxii</i>	T		
Large-leaved Sandwort	<i>Moehringia macrophylla</i>	E		
One-flowered Pyrola	<i>Moneses uniflora</i>	SC		
Red Mulberry	<i>Morus rubra</i>	E		
Alternate-flowered Slender Water-milfoil	<i>Myriophyllum alterniflorum</i>	E		Comment [BJ(85): Common name change only
Farwell's Water-milfoil	<i>Myriophyllum farwellii</i>	E		
Pinnate Water-milfoil	<i>Myriophyllum pinnatum</i>	SC		
Comb Whorled Water-milfoil	<i>Myriophyllum verticillatum</i>	E		Comment [BJ(86): Common name change only
Lion's Foot	<i>Nabalus serpentarius</i>	E		
Southern Twayblade	<i>Neottia bifolia</i>	T		
Heartleaf Twayblade	Listera <i>Neottia cordata</i>	E		
Tiny Cow-lily	<i>Nuphar microphylla</i>	E		
Upland White Aster Goldenrod	<i>Oligoneuron album</i>	E		Comment [BJ(87): Common name change only
Adder's t Tongue Fern	<i>Ophioglossum pusillum</i>	T		
Eastern Prickly Pear	<i>Opuntia humifusa</i>	E		Comment [BJ(88): Correction
Golden Club	<i>Orontium aquaticum</i>	E		Comment [BJ(89): Common name change only
Violet Wood-sorrel	<i>Oxalis violacea</i>	E		
American Ginseng	<i>Panax quinquefolius</i>	SC		Comment [BJ(90): Common name change only
Gattinger's Panic-grass	<i>Panicum philadelphicum</i> ssp. <i>gattingeri</i>	SC		
Philadelphia Panic-grass	<i>Panicum philadelphicum</i> ssp. <i>philadelphicum</i>	SC		
Silverling	<i>Paronychia argyrocoma</i>	E		
Swamp Lousewort	<i>Pedicularis lanceolata</i>	E		
Hairy Beard-tongue	<i>Penstemon hirsutus</i>	E		
Pondshore Knotweed Smartweed	<i>Persicaria puritanorum</i>	SC		Comment [BJ(91): Common name change only
Strigose Knotweed Swamp Smartweed	<i>Persicaria setacea</i>	T		
Sweet Coltsfoot	<i>Petasites frigidus</i> var. <i>palmatus</i>	E		Comment [BJ(92): Common name change only
Crested Fringed Orehis Orchid	<i>Platanthera cristata</i>	E		
Leafy White Orehis Orchid	<i>Platanthera dilatata</i>	T		Comment [BJ(93): Common name change only
Pale Green Orehis Orchid	<i>Platanthera flava</i> var. <i>herbiola</i>	T		
Drooping Speargrass	<i>Poa saltuensis</i> ssp. <i>languida</i>	E		Comment [BJ(94): Common name change only
Sea-beach Knotweed	<i>Polygonum glaucum</i>	SC		
Braun's Holly-fern	<i>Polystichum braunii</i>	E		Comment [BJ(95): Common name change only
Swamp Cottonwood	<i>Populus heterophylla</i>	E		
Algae-like Tuckerman's Pondweed	<i>Potamogeton confervoides</i>	T		Comment [BJ(96): Common name change only
Fries' Pondweed	<i>Potamogeton friesii</i>	E		
Hill's Pondweed	<i>Potamogeton hillii</i>	SC		
Ogden's Pondweed	<i>Potamogeton ogdenii</i>	E		
Straight-leaved Pondweed	<i>Potamogeton strictifolius</i>	E		
Vasey's Pondweed	<i>Potamogeton vaseyi</i>	E		
Sandbar Cherry	<i>Prunus pumila</i> var. <i>depressa</i>	T		
Pink Pyrola	<i>Pyrola asarifolia</i>	E		
Bur Oak	<i>Quercus macrocarpa</i>	SC		
Yellow Oak	<i>Quercus muehlenbergii</i>	T		
Tiny Small -flowered Buttercup	<i>Ranunculus micranthus</i>	E		Comment [BJ(97): Common name change only
Bristly Buttercup	<i>Ranunculus pensylvanicus</i>	SC		
Maryland Meadow Beauty beauty	<i>Rhexia mariana</i>	E		Comment [BJ(98): Correction
Great Laurel	<i>Rhododendron maximum</i>	T		

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Capillary Beak-sedge	<i>Rhynchospora capillacea</i>	E		
Inundated Horned Beak sedge	<i>Rhynchospora inundata</i>	T		
Short-beaked Bald Beak sedge	<i>Rhynchospora nitens</i>	T		
Long-beaked Bald Beak sedge	<i>Rhynchospora scirpoides</i>	SC		
Torrey's Beak-sedge	<i>Rhynchospora torreyana</i>	E		
Bristly Black Currant	<i>Ribes lacustre</i>	SC		
Northern Prickly Rose	<i>Rosa acicularis</i> ssp. <i>sayi</i>	E		
Toothcup	<i>Rotala ramosior</i>	E		
Seabeach Dock	<i>Rumex pallidus</i>	T		
Swamp Dock	<i>Rumex verticillatus</i>	T		
Slender Marsh Pink	<i>Sabatia campanulata</i>	E		
Plymouth Gentian	<i>Sabatia kennedyana</i>	SC		
Sea Pink	<i>Sabatia stellaris</i>	E		
Wapato	<i>Sagittaria cuneata</i>	T		
Estuary Arrowhead	<i>Sagittaria montevidensis</i> ssp. <i>spongiosa</i>	E		
Terete Arrowhead	<i>Sagittaria teres</i>	SC		
Sandbar Willow	<i>Salix exigua</i> ssp. <i>interior</i>	T		
Canadian Sanicle	<i>Sanicula canadensis</i>	T		
Long-styled Clustered Sanicle	<i>Sanicula odorata</i>	T		
Pod-grass	<i>Scheuchzeria palustris</i>	E		
American Chaffseed	<i>Schwalbea americana</i>	<u>E</u>	<u>E</u>	
Northeastern Bulrush	<i>Scirpus ancistrochaetus</i>	E	E	
Long's Bulrush	<i>Scirpus longii</i>	T		
Papillose Nut-sedge	<i>Scleria pauciflora</i>	E		+
Tall Nut-sedge	<i>Scleria triglomerata</i>	E		
One-flower Sclerolepis	<i>Sclerolepis uniflora</i>	E		
Wild Senna	<i>Senna hebecarpa</i>	E		
Bristly Foxtail	<i>Setaria parviflora</i>	SC		
Sandplain Blue-eyed Grass	<i>Sisyrinchium fuscatum</i>	SC		
Slender Blue-eyed Grass	<i>Sisyrinchium mucronatum</i>	E		
Large-leaved Goldenrod	<i>Solidago macrophylla</i>	SC		
Rand's Goldenrod	<i>Solidago simplex ssp. randii var. monticola</i>	E		
Northern Mountain-ash	<i>Sorbus decora</i>	E		
Small Bur-reed	<i>Sparganium natans</i>	E		
Salt Reedgrass	<i>Spartina cynosuroides</i>	T		
Shining Wedgegrass	<i>Sphenopholis nitida</i>	T		
Swamp Oats	<i>Sphenopholis pensylvanica</i>	T		
Hooded Ladies'-tresses	<i>Spiranthes romanzoffiana</i>	E		
Grass-leaved Ladies'-tresses	<i>Spiranthes vernalis</i>	T		
Small Dropseed	<i>Sporobolus neglectus</i>	E		
American Sea-blite	<i>Suaeda calceoliformis</i>	SC		
Snowberry	<i>Symphoricarpos albus</i> var. <i>albus</i>	E		
Eastern Silvery Aster	<i>Symphotrichum concolor</i>	E		
Crooked-stem Aster	<i>Symphotrichum prenanthoides</i>	SC		
Tradescant's Aster	<i>Symphotrichum tradescantii</i>	T		
Arborvitae	<i>Thuja occidentalis</i>	E		
Cranefly Orchid	<i>Tipularia discolor</i>	E		
False Pennyroyal	<i>Trichostema brachiatum</i>	E		
Broad Tinker's-weed	<i>Triosteum perfoliatum</i>	E		
Nodding Pogonia	<i>Triphora trianthophora trianthophoros</i>	E		
Northern Gama-grass	<i>Tripsacum dactyloides</i>	E		
Spiked Narrow False-o Oats	<i>Trisetum spicatum</i>	E		
Resupinate Bladderwort	<i>Utricularia resupinata</i>	T		
Subulate Slender Bladderwort	<i>Utricularia subulata</i>	SC		
Mountain Cranberry	<i>Vaccinium vitis-idaea</i> ssp. minus	E		
Narrow-leaved Vervain	<i>Verbena simplex</i>	E		
Sessile Water-speedwell	<i>Veronica catenata</i>	E		
Culver's-root	<i>Veronicastrum virginicum</i>	T		
Downy Arrow-wood	<i>Viburnum rafinesquianum rafinesqueanum</i>	E		
Sand Violet	<i>Viola adunca</i>	SC		

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- Comment [BJ(99): Common name change only
- Comment [BJ(100): Common name change only
- Comment [BJ(101): Common name change only
- Comment [BJ(102): Correction
- Comment [BJ(103): Common name change only
- Comment [BJ(104): Common name change only
- Comment [BJ(105): Species name change
- Comment [BJ(106): Species name change
- Comment [BJ(107): Common name change only
- Comment [BJ(108): Common name change only
- Comment [BJ(109): Subspecies name elimination
- Comment [BJ(110): Correction

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Massachusetts List of Endangered, Threatened, and Special Concern Species
 PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Britton's Violet	<i>Viola brittoniana</i>		T	
Smooth Woodsia	<i>Woodsia glabella</i>		E	Includes the two varieties of this species that occur in Massachusetts: <i>S. p. var. pauciflora</i> and <i>S. p. var. caroliniana</i>.

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

REGULATORY AUTHORITY

321 CMR 10.00: M.G.L. c. 131A.

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

PART V: LISTS, DESIGNATED SIGNIFICANT HABITATS

10.90: List of Endangered, Threatened, and Special Concern Species

(1) Introduction. The list in 321 CMR 10.90 contains the names of all species of plants and animals which have been determined to be Endangered, Threatened, or of Special Concern pursuant to M.G.L. c. 131A and 321 CMR 10.03.

(2) List Format. The columns entitled "Common Name" and "Scientific Name" define the species listed. In the "Status" columns the following symbols are used: "E" for Endangered, "T" for Threatened, and "SC" for Special Concern. The status defined under the "MA" column denotes the official status of the species in Massachusetts pursuant to M.G.L. c.131A and 321 CMR 10.00. The status under the "US" column is the status of the species under the federal Endangered Species Act at the time of the latest revision of 321 CMR 10.00 and is given for informational purposes only. Recent changes in the federal list might not be reflected in 321 CMR 10.90. The U.S. Fish and Wildlife Service should be consulted for official and up to date information on the federal status of any species. Inquiries may be made by writing to U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, NH 03301-5087. The "Taxonomic Group" column of the list is included for the purpose of organization. The "Notes" column directs the reader to footnotes which further define or clarify the status of a species or alternative names of species.

(3) Organization of the List. The list is generally organized according to the relationship of the listed species as determined by the science of taxonomy, which groups and categorizes species that are similar on the basis of shared evolutionary descent. The most basic division in the list is between animals and plants. Within animals the list is divided between vertebrates (animals with backbones) and invertebrates (animals without backbones). Within vertebrates and invertebrates, the list is further divided into categories which are generally recognized, such as fish, mammals, and dragonflies. All such information has no regulatory effect and is provided only for the purpose of organizing the list. The following outline shows the taxonomic categories used and their order.

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Outline of State List:

ANIMALS

Vertebrates

Fish

Amphibians

Reptiles

Birds

Mammals

Invertebrates

Sponges

Flatworms

Segmented Worms

Snails

Mussels

Crustaceans

Dragonflies

Damselflies

Beetles

Butterflies and Moths

Bees

PLANTS

(4) The List. The Massachusetts List of Endangered, Threatened, and Special Concern species follows:

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
VERTEBRATES				
Fish				
Shortnose Sturgeon	<i>Acipenser brevirostrum</i>	E	E	
Atlantic Sturgeon	<i>Acipenser oxyrinchus</i>	E		
Longnose Sucker	<i>Catostomus catostomus</i>	SC		
Northern Redbelly Dace	<i>Chrosomus eos</i>	E		
Lake Chub	<i>Couesius plumbeus</i>	E		
Threespine Stickleback	<i>Gasterosteus aculeatus</i>	T		1
Eastern Silvery Minnow	<i>Hybognathus regius</i>	SC		
American Brook Lamprey	<i>Lethenteron appendix</i>	T		
Burbot	<i>Lota lota</i>	SC		
Bridle Shiner	<i>Notropis bifrenatus</i>	SC		
Amphibians				
Jefferson Salamander (complex)	<i>Ambystoma jeffersonianum</i>	SC		2
Blue-spotted Salamander (complex)	<i>Ambystoma laterale</i> pop. 1	SC		3
Blue-spotted Salamander	<i>Ambystoma laterale</i> pop. 2	T		4
Marbled Salamander	<i>Ambystoma opacum</i>	T		
Eastern Spadefoot	<i>Scaphiopus holbrookii</i>	T		
Reptiles				
Copperhead	<i>Agkistrodon contortrix</i>	E		
Loggerhead Sea Turtle	<i>Caretta caretta</i>	T	T	
Eastern Wormsnake	<i>Carphophis amoenus</i>	T		
Green Sea Turtle	<i>Chelonia mydas</i>	T	T	
Timber Rattlesnake	<i>Crotalus horridus</i>	E		
Leatherback Sea Turtle	<i>Dermochelys coriacea</i>	E	E	
Blanding's Turtle	<i>Emydoidea blandingii</i>	T		
Atlantic Hawksbill Sea Turtle	<i>Eretmochelys imbricata</i>	E	E	
Wood Turtle	<i>Glyptemys insculpta</i>	SC		
Bog Turtle	<i>Glyptemys mühlenbergii</i>	E	T	
Eastern Hog-nosed Snake	<i>Heterodon platirhinos</i>	SC		
Kemps's Ridley Sea Turtle	<i>Lepidochelys kempii</i>	E	E	
Northern Diamond-backed Terrapin	<i>Malaclemys terrapin</i>	T		
Eastern Ratsnake	<i>Patherophys alleghaniensis</i>	E		
Northern Red-bellied Cooter	<i>Pseudemys rubriventris</i>	E	E	5
Eastern Box Turtle	<i>Terrapene carolina</i>	SC		

Comment [BJ(1)]: Genus name change only

Comment [BJ(2)]: Genus name change only

Comment [BJ(3)]: Correction

Comment [BJ(4)]: Correction

Comment [BJ(5)]: Correction

Comment [BJ(6)]: Common name change only

Comment [BJ(7)]: Correction

Comment [BJ(8)]: Correction

Comment [BJ(9)]: Common name change only

¹ Trimorphic freshwater population only.

² Complex consisting of the genetically pure lineage and its associated unisexual forms (statewide).

³ "Population 1"; complex consisting of the genetically pure lineage and its associated unisexual forms (jurisdictions outside Bristol and Plymouth Counties).

⁴ "Population 2"; consists of the genetically pure lineage (Bristol and Plymouth Counties only).

⁵ This species is listed by the U.S. Fish & Wildlife Service as *P.r. bangsi* (Plymouth Redbelly Turtle) in 50 CFR 17.11.

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
VERTEBRATES: continued				
Birds				
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	T		
Saltmarsh Sparrow	<i>Ammodramus caudacuta</i>	SC		
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>	SC		
Short-eared Owl	<i>Asio flammeus</i>	E		
Long-eared Owl	<i>Asio otus</i>	SC		
Upland Sandpiper	<i>Bartramia longicauda</i>	E		
American Bittern	<i>Botaurus lentiginosus</i>	E		
Red Knot	<i>Calidris canutus</i>	T	T	
Piping Plover	<i>Charadrius melodus</i>	T	T	
Northern Harrier	<i>Circus hudsonius</i>	T		
Sedge Wren	<i>Cistothorus platensis</i>	E		
Peregrine Falcon	<i>Falco peregrinus</i>	SC		
Common Gallinule	<i>Gallinula galeata</i>	SC		
Common Loon	<i>Gavia immer</i>	SC		
Mourning Warbler	<i>Geothlypis philadelphia</i>	SC		
Bald Eagle	<i>Haliaeetus leucocephalus</i>	SC		
Least Bittern	<i>Ixobrychus exilis</i>	E		
Leach's Storm-petrel	<i>Oceanodroma leucorhoa</i>	E		
Pied-billed Grebe	<i>Podilymbus podiceps</i>	E		
Vesper Sparrow	<i>Poocetes gramineus</i>	T		
King Rail	<i>Rallus elegans</i>	T		
Northern Parula	<i>Setophaga americana</i>	T		
Blackpoll Warbler	<i>Setophaga striata</i>	SC		
Roseate Tern	<i>Sterna dougallii</i>	E	E	
Common Tern	<i>Sterna hirundo</i>	SC		
Arctic Tern	<i>Sterna paradisaea</i>	SC		
Least Tern	<i>Sternula antillarum</i>	SC		
Eastern Meadowlark	<i>Sturnella magna</i>	SC		
Barn Owl	<i>Tyto alba</i>	SC		
Golden-winged Warbler	<i>Vermivora chrysoptera</i>	E		
Mammals				
Sei Whale	<i>Balaenoptera borealis</i>	E	E	
Blue Whale	<i>Balaenoptera musculus</i>	E	E	
Fin Whale	<i>Balaenoptera physalus</i>	E	E	
North Atlantic Right Whale	<i>Eubalaena glacialis</i>	E	E	
Humpback Whale	<i>Megaptera novaeangliae</i>	E		
Eastern Small-footed Bat	<i>Myotis leibii</i>	E		
Little Brown Bat	<i>Myotis lucifugus</i>	E		
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	E	T	
Indiana Bat	<i>Myotis sodalis</i>	E	E	
Tricolored Bat	<i>Perimyotis subflavus</i>	E		
Sperm Whale	<i>Physeter macrocephalus</i>	E	E	
Rock Shrew	<i>Sorex dispar</i>	SC		
Water Shrew	<i>Sorex palustris</i>	SC		
Southern Bog Lemming	<i>Synaptomys cooperi</i>	SC		

Comment [BJ(10): Common name change and genus name change

Comment [BJ(11): Species name change only

Comment [BJ(12): Common name change and species name change

Comment [BJ(13): Genus name change only

Comment [BJ(14): Genus name change only

Comment [BJ(15): Genus name change only

Comment [BJ(16): Common name change only

Comment [BJ(17): Common name change only

Comment [BJ(18): Common name change only

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

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Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
INVERTEBRATES				
Sponges				
Smooth Branched Sponge	<i>Spongilla aspinosa</i>		SC	
Flatworms				
Sunderland Spring Planarian	<i>Seidlia remota</i>		SC	Comment [BJ(19): Genus name change only
Segmented Worms				
New England Medicinal Leech	<i>Macrobdella sestertia</i>		SC	
Snails				
New England Siltsnail	<i>Floridobia winkleyi</i>		SC	
Henscomb Hydrobe	<i>Littoridinops tenuipes</i>		SC	Comment [BJ(20): Common name change only
Boreal Marstonia	<i>Marstonia lustrica</i>		E	
Slender Walker	<i>Pomatiopsis lapidaria</i>		E	
Mossy Valvata	<i>Valvata sincera</i>		E	Comment [BJ(21): Common name change only
Mussels				
Dwarf Wedgemussel	<i>Alasmidonta heterodon</i>	E	E	
Brook Floater	<i>Alasmidonta varicosa</i>	E		Comment [BJ(22): Common name change only
Yellow Lampmussel	<i>Lampsilis cariosa</i>	E		
Tidewater Mucket	<i>Leptodea ochracea</i>		SC	
Eastern Pondmussel	<i>Ligumia nasuta</i>		SC	
Creeper	<i>Strophitus undulatus</i>		SC	
Crustaceans				
Intricate Fairy Shrimp	<i>Eubbranchipus intricatus</i>		SC	
Agassiz's Clam Shrimp	<i>Eulimnadia agassizii</i>		E	
Northern Spring Amphipod	<i>Gammarus pseudolimnaeus</i>		SC	Comment [BJ(23): Typo correction
American Clam Shrimp	<i>Limnadia lenticularis</i>		SC	
Taconic Cave Amphipod	<i>Stygobromus borealis</i>		E	
Piedmont Groundwater Amphipod	<i>Stygobromus tenuis</i>		SC	Comment [BJ(24): Subspecies name elimination
Coastal Swamp Amphipod	<i>Synurella chamberlaini</i>		SC	
Dragonflies				
Subarctic Darner	<i>Aeshna subarctica</i>		E	
Ocellated Darner	<i>Boyeria grafiana</i>		SC	
Midland Clubtail	<i>Gomphurus fraternus</i>		E	Comment [BJ(25): Genus name change only
Skillet Clubtail	<i>Gomphurus ventricosus</i>		T	Comment [BJ(26): Genus name change only
Spine-crowned Clubtail	<i>Hylogomphus abbreviatus</i>		SC	Comment [BJ(27): Genus name change only
Brook Snaketail	<i>Ophiogomphus aspersus</i>		SC	
Riffle Snaketail	<i>Ophiogomphus carolus</i>		T	
Harpoon Clubtail	<i>Phanogomphus descriptus</i>		E	Comment [BJ(28): Genus name change only
Rapids Clubtail	<i>Phanogomphus quadricolor</i>		E	Comment [BJ(29): Genus name change only
Ski-tipped Emerald	<i>Somatochlora elongata</i>		SC	
Forcipate Emerald	<i>Somatochlora forcipata</i>		E	
Coppery Emerald	<i>Somatochlora georgiana</i>		E	
Incurvate Emerald	<i>Somatochlora incurvata</i>		E	
Kennedy's Emerald	<i>Somatochlora kennedyi</i>		E	
Mocha Emerald	<i>Somatochlora linearis</i>		SC	
Riverine Clubtail	<i>Stylurus amnicola</i>		E	
Ebony Boghaunter	<i>Williamsonia fletcheri</i>		E	
Ringed Boghaunter	<i>Williamsonia lintneri</i>		T	

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321 CMR: DIVISION OF FISHERIES AND WILDLIFE

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ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		Notes
		MA	US	
INVERTEBRATES: continued				
Damselflies				
Tule Bluet	<i>Enallagma carunculatum</i>	SC		
Attenuated Bluet	<i>Enallagma daeckii</i>	T		
Scarlet Bluet	<i>Enallagma pictum</i>	T		
Pine Barrens Bluet	<i>Enallagma recurvatum</i>	T		
Beetles				
Northeastern Beach Tiger Beetle	<i>Cicindela dorsalis</i>	E	T	
Twelve-spotted Tiger Beetle	<i>Cicindela duodecimguttata</i>	SC		
Claybank Tiger Beetle	<i>Cicindela limbalis</i>	T		
Cobblestone Tiger Beetle	<i>Cicindela marginipennis</i>	E		
Barrens Tiger Beetle	<i>Cicindela patruela</i>	E		
Puritan Tiger Beetle	<i>Cicindela puritana</i>	E	T	
Purple Tiger Beetle	<i>Cicindela purpurea</i>	SC		
Hentz's Red-bellied Tiger Beetle	<i>Cicindela rufiventris hentzii</i>	T		
American Burying Beetle	<i>Nicrophorus americanus</i>	E	E	
Butterflies and Moths				
Coastal Heathland Cutworm	<i>Abagrotis benjamini</i>	SC		
Barrens Dagger Moth	<i>Acronicta albarufa</i>	T		
Drunk Apamea Moth	<i>Apamea inebriata</i>	SC		
Phyllira Tiger Moth	<i>Apantesis phyllira</i>	E		
New Jersey Tea Inchworm	<i>Apodrepanulatrix liberaria</i>	E		
Hessel's Hairstreak	<i>Callophrys hesseli</i>	SC		
Frosted Elfin	<i>Callophrys irus</i>	SC		
Bog Elfin	<i>Callophrys lanoraieensis</i>	T		
Herodias Underwing Moth	<i>Catocala herodias</i>	SC		
Precious Underwing Moth	<i>Catocala pretiosa</i>	E		
Waxed Sallow Moth	<i>Chaetagnathia cerata</i>	SC		
Melsheimer's Sack Bearer	<i>Cicinnus melsheimeri</i>	T		
Chain Dot Geometer	<i>Cingilia catenaria</i>	SC		
Collared Cynia	<i>Cynia collaris</i>	T		
The Pink Streak	<i>Dargida rubripennis</i>	T		
Imperial Moth	<i>Eacles imperialis</i>	T		
Early Hairstreak	<i>Erora laeta</i>	T		
Persius Duskywing	<i>Erynnis persius</i>	E		
Scrub Euchlaena	<i>Euchlaena madusaria</i>	SC		
Dion Skipper	<i>Euphyes dion</i>	T		
Slender Clearwing Sphinx Moth	<i>Hemaris gracilis</i>	SC		
Buck Moth	<i>Hemileuca maia</i>	SC		
Sandplain Heterocampa	<i>Heterocampa varia</i>	T		
Buchholz's Gray	<i>Hypomecis buchholzaria</i>	E		
Pale Green Pinion Moth	<i>Lithophane viridipallens</i>	SC		
Twilight Moth	<i>Lycia rachelae</i>	E		
Woolly Gray	<i>Lycia ypsilon</i>	T		
Barrens Metarranthis	<i>Metarranthis apicaria</i>	E		
Heath Metarranthis	<i>Metarranthis pilosaria</i>	SC		
Northern Brocade Moth	<i>Neoligia semicana</i>	SC		
Pitcher Plant Borer	<i>Papaipema appassionate</i>	T		
Ostrich Fern Borer	<i>Papaipema sp. 2</i>	SC		1
Chain Fern Borer	<i>Papaipema stenocelis</i>	T		
Water-willow Stem Borer	<i>Papaipema sulphurata</i>	T		
Cordgrass Borer	<i>Photodes inops</i>	SC		

Comment [BJ(30): Subspecies name elimination

Comment [BJ(31): Common name change only

Comment [BJ(32): Correction

Comment [BJ(33): Species name change only

Comment [BJ(34): Correction

Comment [BJ(35): Genus name change only

Comment [BJ(36): Sub-species name elimination and common name change

Comment [BJ(37): Subspecies name elimination

Comment [BJ(38): Species name change and common name change

Comment [BJ(39): Subspecies name elimination

Comment [BJ(40): Common name change only

Comment [BJ(41): Common name change only

Comment [BJ(42): Common name change only

Comment [BJ(43): Common name change only

¹ Undescribed species near *P. pterisii*.

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species

ANIMALS

Taxonomic Group Common Name	Scientific Name	Status		
		MA	US	Notes
INVERTEBRATES: continued				
Butterflies and Moths: continued				
Mustard White	<i>Pieris oleracea</i>			T
Pink Sallow Moth	<i>Psectraglaea carnosae</i>			SC
Southern Ptichodis	<i>Ptichodis bistrigata</i>			T
Orange Sallow Moth	<i>Pyrrhia aurantiago</i>			SC
Pine Barrens <i>Speranza</i>	<i>Speranza exonerata</i>			SC
Faded Gray Geometer	<i>Stenoporpia polygrammaria</i>			T
Dune <i>Sympistis</i>	<i>Sympistis riparia</i>			SC
Pine Barrens Zale	<i>Zale lunifera</i>			SC 2
Pine Barrens Zanclognatha	<i>Zanclognatha martha</i>			SC
Bees				
Walsh's Anthophora	<i>Anthophora walshii</i>			E
American Bumble Bee	<i>Bombus pennsylvanicus</i>			E
Yellow-banded Bumble Bee	<i>Bombus terricola</i>			T

Comment [BJ(44)]: Common name change only

Comment [BJ(45)]: Common name change only

² True *Z. lunifera*, sensu Schmidt, B.C. 2010. Taxonomic reassessment of *Zale lunifera* (Hübner) (Erebidae, Erebininae). *Zookeys* 39: 99-106.

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

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PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Black Cohosh	<i>Actaea racemosa</i>	E		
Climbing Fumitory	<i>Adlumia fungosa</i>	SC		
Sandplain Gerardia	<i>Agalinis acuta</i>	E	E	
Purple Giant Hyssop	<i>Agastache scrophulariifolia</i>	E		
Lesser Snakeroot	<i>Ageratina aromatica</i>	E		
Small-flowered Agrimony	<i>Agrimonia parviflora</i>	E		
Downy Agrimony	<i>Agrimonia pubescens</i>	T		
Mountain Alder	<i>Alnus viridis ssp. crispa</i>	SC		
Bartram's Shadbush	<i>Amelanchier bartramiana</i>	T		
Round-leaved Shadbush	<i>Amelanchier sanguinea</i>	SC		
Annual Peanutgrass	<i>Amphicarpum amphicarpon</i>	E		
Putty-root	<i>Aplectrum hyemale</i>	E		
Lyre-leaved Rock-cress	<i>Arabidopsis lyrata</i>	E		
Eastern Dwarf Mistletoe	<i>Arceuthobium pusillum</i>	SC		
Arethusa	<i>Arethusa bulbosa</i>	T		
Green Dragon	<i>Arisaema dracontium</i>	T		
Purple Needlegrass	<i>Aristida purpurascens</i>	T		
Seabeach Needlegrass	<i>Aristida tuberculosa</i>	T		
Purple Milkweed	<i>Asclepias purpurascens</i>	E		
Whorled Milkweed	<i>Asclepias verticillata</i>	T		
Mountain Spleenwort	<i>Asplenium montanum</i>	E		
Wall-rue Spleenwort	<i>Asplenium ruta-muraria</i>	T		
Swamp Birch	<i>Betula pumila</i>	E		
Eaton's Beggar-ticks	<i>Bidens eatonii</i>	E		
Estuary Beggar-ticks	<i>Bidens hyperborea</i>	E		
Downy Wood-mint	<i>Blephilia ciliata</i>	E		
Hairy Wood-mint	<i>Blephilia hirsuta</i>	E		
Smooth Rock-cress	<i>Boechera laevigata</i>	SC		
Green Rock-cress	<i>Boechera missouriensis</i>	T		
Pickering's Reedgrass	<i>Calamagrostis pickeringii</i>	E		
New England Northern Reed Grass	<i>Calamagrostis stricta ssp. inexpansa</i>	E		
Upright Bindweed	<i>Calystegia spithamea</i>	E		
Fen Cuckoo-flower	<i>Cardamine dentata</i>	T		
Purple Cress	<i>Cardamine douglassii</i>	E		
Long's Bittercress	<i>Cardamine longii</i>	T		
Foxtail Sedge	<i>Carex alopecoidea</i>	T		
Back's Sedge	<i>Carex backii</i>	E		
Bailey's Sedge	<i>Carex baileyi</i>	T		
Bush's Sedge	<i>Carex bushii</i>	E		
Chestnut-colored Sedge	<i>Carex castanea</i>	E		
Creeping Sedge	<i>Carex chordorrhiza</i>	E		
Davis' Sedge	<i>Carex davisii</i>	E		
Handsome Sedge	<i>Carex formosa</i>	T		
Glaucous Sedge	<i>Carex glaucoidea</i>	E		
Slender Woodland Sedge	<i>Carex gracilescens</i>	E		
Gray's Sedge	<i>Carex grayi</i>	T		
Hitchcock's Sedge	<i>Carex hitchcockiana</i>	SC		
Shore Sedge	<i>Carex lenticularis</i>	T		
Livid Sedge	<i>Carex livida</i>	E		
False Hop Sedge	<i>Carex lupuliformis</i>	E		
Midland Sedge	<i>Carex mesochorea</i>	E		
Michaux's Sedge	<i>Carex michauxiana</i>	E		
Mitchell's Sedge	<i>Carex mitchelliana</i>	T		
Rich Woods Sedge	<i>Carex oligocarpa</i>	T		
Few-seeded Sedge	<i>Carex oligosperma</i>	E		
Few-flowered Sedge	<i>Carex pauciflora</i>	E		
Variable Sedge	<i>Carex polymorpha</i>	E		
Schweinitz's Sedge	<i>Carex schweinitzii</i>	E		
Squarrose Sedge	<i>Carex squarrosa</i>	T		

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Comment [BJ(46): Correction

Comment [BJ(47): Common name change only

Comment [BJ(48): Common name change only

Comment [BJ(49): Common name change only

Comment [BJ(50): Common name change only

Comment [BJ(51): Common name change only

Comment [BJ(52): Common name change only

Comment [BJ(53): Correction

Comment [BJ(54): Correction

Comment [BJ(55): Common name change only

Comment [BJ(56): Correction

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PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Dioecious Sedge	<i>Carex sterilis</i>	T		
Walter's Sedge	<i>Carex striata</i>	E		
Fen Sedge	<i>Carex tetanica</i>	SC		
Hairy-fruited Sedge	<i>Carex trichocarpa</i>	SC		
Tuckerman's Sedge	<i>Carex tuckermanii</i>	E		
Cat-tail Sedge	<i>Carex typhina</i>	T		
American Bittersweet	<i>Celastrus scandens</i>	T		
Nodding Chickweed	<i>Cerastium nutans</i>	E		
Devil's-bit	<i>Chamaelirium luteum</i>	E		
Fogg's Goosefoot	<i>Chenopodium foggii</i>	E		
Narrow-leaved Spring-beauty	<i>Claytonia virginica</i>	E		
Purple Clematis	<i>Clematis occidentalis</i>	SC		
Long-leaved Panic-grass	<i>Coleataenia longifolia</i> ssp. <i>longifolia</i>	T		
Hemlock-parsley	<i>Conioselinum chinense</i>	SC		
Autumn Coral-root	<i>Corallorhiza odontorhiza</i>	SC		
Shore Pygmy-weed	<i>Crassula aquatica</i>	T		
Bicknell's Hawthorn	<i>Crataegus bicknellii</i>	E		
Appalachian Bristle-fern	<i>Crepidomanes intricatum</i>	E		
Fragile Rock-brake	<i>Cryptogramma stelleri</i>	E		
Northern Wild Comfrey	<i>Cynoglossum virginianum</i> var. <i>boreale</i>	E		
Engelmann's Flatsedge	<i>Cyperus engelmannii</i>	T		
Ram's Head Lady's-slipper	<i>Cypripedium arietinum</i>	E		
Yellow Lady's-slipper	<i>Cypripedium parviflorum</i>	E		
Showy Lady's-slipper	<i>Cypripedium reginae</i>	E		
Tussock Hairgrass	<i>Deschampsia cespitosa</i> ssp. <i>glauca</i>	E		
Large-bracted Tick-trefoil	<i>Desmodium cuspidatum</i>	T		
Mattamuskeet Rosette-grass	<i>Dichantherium mattamuskeetense</i>	E		
Commons' Rosette-grass	<i>Dichantherium commonsianum</i>	SC		
Rough Rosette-grass	<i>Dichantherium scabriusculum</i>	T		
Wright's Rosette-grass	<i>Dichantherium wrightianum</i>	SC		
Cornel-leaved Aster	<i>Doellingeria infirma</i>	E		
American Waterwort	<i>Elatine americana</i>	E		
Wright's Spike-sedge	<i>Eleocharis diandra</i>	E		
Matted Spike-sedge	<i>Eleocharis intermedia</i>	T		
Tiny-fruited Spike-sedge	<i>Eleocharis microcarpa</i>	E		
Ovate Spike-sedge	<i>Eleocharis ovata</i>	E		
Few-flowered Spike-sedge	<i>Eleocharis quinqueflora</i>	E		
Three-angled Spike-sedge	<i>Eleocharis tricostata</i>	E		
Hairy Wild Rye	<i>Elymus villosus</i>	E		
Dwarf Scouring Rush	<i>Equisetum scirpoides</i>	SC		
Frank's Lovegrass	<i>Eragrostis frankii</i>	SC		
Parker's Pipewort	<i>Eriocaulon parkeri</i>	E		
Slender Cottongrass	<i>Eriophorum gracile</i>	T		
New England Boneset	<i>Eupatorium novae-angliae</i>	E		
Northern Bedstraw	<i>Galium boreale</i>	E		
Labrador Bedstraw	<i>Galium labradoricum</i>	T		
Purple Cudweed	<i>Gamochaeta purpurea</i>	E		
Andrews' Bottle Gentian	<i>Gentiana andrewsii</i>	E		
Barren Strawberry	<i>Geum fragarioides</i>	SC		
Dwarf Rattlesnake-plantain	<i>Goodyera repens</i>	E		
Spurred Gentian	<i>Halenia deflexa</i>	E		
Long-leaved Bluet	<i>Houstonia longifolia</i>	E		
Appalachian Firmoss	<i>Huperzia appressa</i>	E		
Mountain Firmoss	<i>Huperzia selago</i>	E		
Golden Seal	<i>Hydrastis canadensis</i>	E		
Saltpond Pennywort	<i>Hydrocotyle verticillata</i>	T		
Broad Waterleaf	<i>Hydrophyllum canadense</i>	E		
Creeping St. John's-wort	<i>Hypericum adpressum</i>	T		
Giant St. John's-wort	<i>Hypericum ascyron</i>	E		

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

Comment [BJ(57)]: Correction

Comment [BJ(58)]: Correction

Comment [BJ(59)]: Scientific name change

Comment [BJ(60)]: Correction

Comment [BJ(61)]: Common name change and correction

Comment [BJ(62)]: Genus name change only

Comment [BJ(63)]: Common name change only

Comment [BJ(64)]: Common name change only

Comment [BJ(65)]: Correction

Comment [BJ(66)]: Common name change and species name change

Comment [BJ(67)]: Common name change and species name change

Comment [BJ(68)]: Common name change only

Comment [BJ(69)]: Common name change only

Comment [BJ(70)]: Common name change only

Comment [BJ(71)]: Subspecies name removal

Comment [BJ(72)]: Correction

Comment [BJ(73)]: Correction

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
St. Andrew's Cross	<i>Hypericum stragulum</i>	E		
Big-leaved Holly	<i>Ilex montana</i>	E		
Acadian Quillwort	<i>Isoetes acadiensis</i>	E		
Lake Quillwort	<i>Isoetes lacustris</i>	E		
Small Whorled Pogonia	<i>Isotria medeoloides</i>	E	T	
Two-flowered Rush	<i>Juncus biflorus</i>	T		
Weak Rush	<i>Juncus debilis</i>	E		
Thread Rush	<i>Juncus filiformis</i>	E		
Redroot	<i>Lachnanthes caroliniana</i>	SC		
Beaded Pinweed	<i>Lechea pulchella</i> var. <i>moniliformis</i>	E		
Saltpond Grass	<i>Leptochloa fusca</i> ssp. <i>fascicularis</i>	T		
Sea Lyme-grass	<i>Leymus mollis</i>	E		
New England Blazing Star	<i>Liatris novae-angliae</i>	SC		
American Twinflower	<i>Linnaea borealis</i>	SC		
Stiff Yellow Flax	<i>Linum medium</i> var. <i>texanum</i>	T		
Lily-leaf Twayblade	<i>Liparis liliifolia</i>	T		
Dwarf Bulrush	<i>Lipocarpa micrantha</i>	T		
Great Blue Lobelia	<i>Lobelia siphilitica</i>	E		
Hairy Honeysuckle	<i>Lonicera hirsuta</i>	E		
Many-fruited Seedbox	<i>Ludwigia polycarpa</i>	E		
Round-fruited Seedbox	<i>Ludwigia sphaerocarpa</i>	E		
Black-fruited Woodrush	<i>Luzula parviflora</i> ssp. <i>melanocarpa</i>	E		
Foxtail Clubmoss	<i>Lycopodiella alopecuroides</i>	E		
Taperleaf Water-horehound	<i>Lycopus rubellus</i>	E		
Climbing Fern	<i>Lygodium palmatum</i>	SC		
Sweet Bay	<i>Magnolia virginiana</i>	E		
Bayard's Adder's-mouth	<i>Malaxis bayardii</i>	E		
White Adder's-mouth	<i>Malaxis monophyllos</i> ssp. <i>brachypoda</i>	E		
Green Adder's-mouth	<i>Malaxis unifolia</i>	T		
Oysterleaf	<i>Mertensia maritima</i>	E		
Woodland Millet	<i>Milium effusum</i>	T		
Winged Monkey-flower	<i>Mimulus alatus</i>	E		
Muskflower	<i>Mimulus moschatus</i>	T		
Michaux's Sandwort	<i>Minuartia michauxii</i>	T		
Large-leaved Sandwort	<i>Moehringia macrophylla</i>	E		
One-flowered Pyrola	<i>Moneses uniflora</i>	SC		
Red Mulberry	<i>Morus rubra</i>	E		
Slender Water-milfoil	<i>Myriophyllum alterniflorum</i>	E		
Farwell's Water-milfoil	<i>Myriophyllum farwellii</i>	E		
Pinnate Water-milfoil	<i>Myriophyllum pinnatum</i>	SC		
Whorled Water-milfoil	<i>Myriophyllum verticillatum</i>	E		
Lion's Foot	<i>Nabalus serpentarius</i>	E		
Southern Twayblade	<i>Neottia bifolia</i>	T		
Heartleaf Twayblade	<i>Neottia cordata</i>	E		
Tiny Cow-lily	<i>Nuphar microphylla</i>	E		
Upland White Goldenrod	<i>Oligoneuron album</i>	E		
Adder's Tongue Fern	<i>Ophioglossum pusillum</i>	T		
Eastern Prickly Pear	<i>Opuntia humifusa</i>	E		
Golden Club	<i>Orontium aquaticum</i>	E		
Violet Wood-sorrel	<i>Oxalis violacea</i>	E		
American Ginseng	<i>Panax quinquefolius</i>	SC		
Gattinger's Panic-grass	<i>Panicum philadelphicum</i> ssp. <i>gattingeri</i>	SC		
Philadelphia Panic-grass	<i>Panicum philadelphicum</i> ssp. <i>philadelphicum</i>	SC		
Silverling	<i>Paronychia argyrocoma</i>	E		
Swamp Lousewort	<i>Pedicularis lanceolata</i>	E		
Hairy Beard-tongue	<i>Penstemon hirsutus</i>	E		
Pondshore Smartweed	<i>Persicaria puritanorum</i>	SC		
Swamp Smartweed	<i>Persicaria setacea</i>	T		

Comment [BJ(74): Common name change only

Comment [BJ(75): Correction. Original publication spelled name incorrectly.

Comment [BJ(76): Species name change

Comment [BJ(77): Common name change

Comment [BJ(78): Common name change

Comment [BJ(79): Common name change

Comment [BJ(80): Common name change only

Comment [BJ(81): Common name change only

Comment [BJ(82): Common name change only

Comment [BJ(83): Correction

Comment [BJ(84): Correction

Comment [BJ(85): Common name change only

Comment [BJ(86): Common name change only

Comment [BJ(87): Common name change only

Comment [BJ(88): Correction

Comment [BJ(89): Common name change only

Comment [BJ(90): Common name change only

Comment [BJ(91): Common name change only

Comment [BJ(92): Common name change only

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Sweet Coltsfoot	<i>Petasites frigidus</i> var. <i>palmatum</i>	E		
Crested Fringed Orchid	<i>Platanthera cristata</i>	E		
Leafy White Orchid	<i>Platanthera dilatata</i>	T		
Pale Green Orchid	<i>Platanthera flava</i> var. <i>herbiola</i>	T		
Drooping Speargrass	<i>Poa saltuensis</i> ssp. <i>languida</i>	E		
Sea-beach Knotweed	<i>Polygonum glaucum</i>	SC		
Braun's Holly-fern	<i>Polystichum braunii</i>	E		
Swamp Cottonwood	<i>Populus heterophylla</i>	E		
Tuckerman's Pondweed	<i>Potamogeton confervoides</i>	T		
Fries' Pondweed	<i>Potamogeton friesii</i>	E		
Hill's Pondweed	<i>Potamogeton hillii</i>	SC		
Ogden's Pondweed	<i>Potamogeton ogdenii</i>	E		
Straight-leaved Pondweed	<i>Potamogeton strictifolius</i>	E		
Vasey's Pondweed	<i>Potamogeton vaseyi</i>	E		
Sandbar Cherry	<i>Prunus pumila</i> var. <i>depressa</i>	T		
Pink Pyrola	<i>Pyrola asarifolia</i>	E		
Bur Oak	<i>Quercus macrocarpa</i>	SC		
Yellow Oak	<i>Quercus muehlenbergii</i>	T		
Small-flowered Buttercup	<i>Ranunculus micranthus</i>	E		
Bristly Buttercup	<i>Ranunculus pensylvanicus</i>	SC		
Maryland Meadow-beauty	<i>Rhexia mariana</i>	E		
Great Laurel	<i>Rhododendron maximum</i>	T		
Capillary Beaksedge	<i>Rhynchospora capillacea</i>	E		
Inundated Beaksedge	<i>Rhynchospora inundata</i>	T		
Short-beaked Beaksedge	<i>Rhynchospora nitens</i>	T		
Long-beaked Beaksedge	<i>Rhynchospora scirpoides</i>	SC		
Torrey's Beaksedge	<i>Rhynchospora torreyana</i>	E		
Bristly Black Currant	<i>Ribes lacustre</i>	SC		
Northern Prickly Rose	<i>Rosa acicularis</i> ssp. <i>sayi</i>	E		
Toothcup	<i>Rotala ramosior</i>	E		
Seabeach Dock	<i>Rumex pallidus</i>	T		
Swamp Dock	<i>Rumex verticillatus</i>	T		
Slender Marsh Pink	<i>Sabatia campanulata</i>	E		
Plymouth Gentian	<i>Sabatia kennedyana</i>	SC		
Sea Pink	<i>Sabatia stellaris</i>	E		
Wapato	<i>Sagittaria cuneata</i>	T		
Estuary Arrowhead	<i>Sagittaria montevidensis</i> ssp. <i>spongiosa</i>	E		
Terete Arrowhead	<i>Sagittaria teres</i>	SC		
Sandbar Willow	<i>Salix exigua</i> ssp. <i>interior</i>	T		
Canadian Sanicle	<i>Sanicula canadensis</i>	T		
Clustered Sanicle	<i>Sanicula odorata</i>	T		
Pod-grass	<i>Scheuchzeria palustris</i>	E		
American Chaffseed	<i>Schwalbea americana</i>	E	E	
Northeastern Bulrush	<i>Scirpus ancistrochaetus</i>	E	E	
Long's Bulrush	<i>Scirpus longii</i>	T		
Papillose Nut-sedge	<i>Scleria pauciflora</i>	E		
Tall Nut-sedge	<i>Scleria triglomerata</i>	E		
One-flower Sclerolepis	<i>Sclerolepis uniflora</i>	E		
Wild Senna	<i>Senna hebecarpa</i>	E		
Bristly Foxtail	<i>Setaria parviflora</i>	SC		
Sandplain Blue-eyed Grass	<i>Sisyrinchium fuscatum</i>	SC		
Slender Blue-eyed Grass	<i>Sisyrinchium mucronatum</i>	E		
Large-leaved Goldenrod	<i>Solidago macrophylla</i>	SC		
Rand's Goldenrod	<i>Solidago randii</i>	E		
Northern Mountain-ash	<i>Sorbus decora</i>	E		
Small Bur-reed	<i>Sparganium natans</i>	E		
Salt Reedgrass	<i>Spartina cynosuroides</i>	T		
Shining Wedgegrass	<i>Sphenopholis nitida</i>	T		
Swamp Oats	<i>Sphenopholis pensylvanica</i>	T		
Hooded Ladies'-tresses	<i>Spiranthes romanoffiana</i>	E		

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Comment [BJ(93): Common name change only

Comment [BJ(94): Common name change only

Comment [BJ(95): Common name change only

Comment [BJ(96): Common name change only

Comment [BJ(97): Common name change only

Comment [BJ(98): Correction

Comment [BJ(99): Common name change only

Comment [BJ(100): Common name change only

Comment [BJ(101): Common name change only

Comment [BJ(102): Correction

Comment [BJ(103): Common name change only

Comment [BJ(104): Common name change only

Comment [BJ(105): Species name change

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

10.90: continued

Massachusetts List of Endangered, Threatened, and Special Concern Species
PLANTS

Common Name	Scientific Name	Status		Notes
		MA	US	
Grass-leaved Ladies'-tresses	<i>Spiranthes vernalis</i>	T		
Small Dropseed	<i>Sporobolus neglectus</i>	E		
American Sea-blite	<i>Suaeda calceoliformis</i>	SC		
Snowberry	<i>Symphoricarpos albus</i> var. <i>albus</i>	E		
Eastern Silvery Aster	<i>Symphyotrichum concolor</i>	E		
Tradescant's Aster	<i>Symphyotrichum tradescantii</i>	T		
Arborvitae	<i>Thuja occidentalis</i>	E		
Cranefly Orchid	<i>Tipularia discolor</i>	E		
False Pennyroyal	<i>Trichostema brachiatum</i>	E		
Broad Tinker's-weed	<i>Triosteum perfoliatum</i>	E		
Nodding Pogonia	<i>Triphora trianthophoros</i>	E		
Northern Gama-grass	<i>Tripsacum dactyloides</i>	E		
Narrow False Oats	<i>Trisetum spicatum</i>	E		
Resupinate Bladderwort	<i>Utricularia resupinata</i>	T		
Slender Bladderwort	<i>Utricularia subulata</i>	SC		
Mountain Cranberry	<i>Vaccinium vitis-idaea</i>	E		
Narrow-leaved Vervain	<i>Verbena simplex</i>	E		
Sessile Water-speedwell	<i>Veronica catenata</i>	E		
Culver's-root	<i>Veronicastrum virginicum</i>	T		
Downy Arrow-wood	<i>Viburnum rafinesqueanum</i>	E		
Sand Violet	<i>Viola adunca</i>	SC		
Britton's Violet	<i>Viola brittoniana</i>	T		

Comment [BJ(106)]: Species name change

Comment [BJ(107)]: Common name change only

Comment [BJ(108)]: Common name change only

Comment [BJ(109)]: Subspecies name elimination

Comment [BJ(110)]: Correction

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

321 CMR: DIVISION OF FISHERIES AND WILDLIFE

REGULATORY AUTHORITY

321 CMR 10.00: M.G.L. c. 131A.

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

10.91: Index to State Listed Species

The following index is intended to help users of the state list of Endangered, Threatened, and Special Concern species determine the official status of any species listed under MESA. This is particularly important for users of the list who are not familiar with the scientific names of species. Starting with only a common or scientific name, the index tells the user where to find the species on the list. The index accomplishes this by specifying the name of the animal group or plant family under which the species will be found.

For example, to find the status of *Acipenser brevirostrum*, one would look up "Acipenser" in the index and find that it is a fish. Where fish occur in the list is specified by the outline appearing just before the list at 321 CMR 10.90(3). The outline shows that fish is the first category of vertebrate animals. By looking for "*Acipenser brevirostrum*" in that section of the list one would determine that it is the "Shortnose Sturgeon" and is listed as an Endangered species on both the state and federal lists.

Note that all plants are found under plant families which end with "aceae" and that animals are listed under commonly known categories, such as birds, mammals, or butterflies.

Index to State Listed Species

Abagrotis, Butterflies and Moths
Accipiter, Birds
Acer, Aceraceae
Acipenser, Fish
Aeronicta, Butterflies and Moths
Actaea, Ranunculaceae
Adder's Mouth, Orchidaceae
Adlumia, Fumariaceae
Aeshna, Dragonflies
Agalinis, Scrophulariaceae
Agastache, Lamianeae
Ageratina, Asteraceae
Agkistrodon, Reptiles
Agrimonia, Rosaceae
Agrimony, Rosaceae
Alasmidonta, Mussels
Alder, Betulaceae
Alnus, Betulaceae
Ambystoma, Amphibians
Amelanchier, Rosaceae
Ammodramus, Birds
Amphicarpum, Poaceae
Amphipod, Crustaceans
Anax, Dragonflies
Annelids, Segmented Worms
Apamea, Butterflies and Moths
Aplectrum, Orchidaceae
Apodrepanulatrix, Butterflies and Moths

Arabidopsis, Brassicaceae
Arborvitae, Cupressaceae
Arceuthobium, Viscaceae
Arethusa, Orchidaceae
Arisaema, Araceae
Aristida, Poaceae
Arrowhead, Alismataceae
Arrowwood, Caprifoliaceae
Asclepias, Asclepiadaceae
Asio, Birds
Asplenium, Aspleniaceae
Aster, Asteraceae

Bagisara, Butterflies and Moths
Balaenoptera, Mammals
Bald sedge, Cyperaceae
Barn owl, Birds
Bartramia, Birds
Beak sedge, Cyperaceae
Beardtongue, Scropholariaceae
Bedstraw, Rubiaceae
Beetle, Beetles
Beggar ticks, Asteraceae
Betula, Betulaceae
Bidens, Asteraceae
Bindweed, Convolvulaceae
Birch, Betulaceae
Bitter cress, Brassicaceae
Bittern, Birds
Bladderwort, Lentibulariaceae
Blazing Star, Asteraceae
Blephilia, Lamiaceae
Blue-eyed Grass, Iridaceae
Bluet, Rubiaceae
Bluet, Damselflies
Boechera, Brassicaceae
Boghaunter, Dragonflies
Bolboschoenus, Cyperaceae
Boneset, Asteraceae
Borer, Butterflies and Moths
Botaurus, Birds
Boyeria, Dragonflies
Bristle-fern, Hymenophyllaceae
Bryozoans, Moss Animals
Buckmoth, Butterflies and Moths
Bulrush, Cyperaceae
Bur reed, Sparganiaceae
Burbot, Fish
Buttercup, Ranunculaceae

Calamagrostis, Poaceae
Callophrys, Butterflies and Moths
Calystegia, Convolvulaceae
Caprifoliaceae, Twinflower
Cardamine, Brassicaceae
Caretta, Reptiles
Carex, Cyperaceae
Carphophis, Reptiles
Catocala, Butterflies and Moths
Catostomus, Fish
Cerastium, Caryophyllaceae
Chaetagnatha, Butterflies and Moths
Chamaelirium, Liliaceae
Charadrius, Birds
Chelonia, Reptiles
Chenopodium, Chenopodiaceae
Cherry, Rosaceae
Chub, Fish
Cicindela, Beetles
Cicinnus, Butterflies and Moths
Cingilia, Butterflies and Moths
Circus, Birds
Cistothorus, Birds
Clam Shrimp, Crustaceans
Claytonia, Portulacaceae
Clematis, Ranunculaceae
Club, Araceae
Clubmoss, Lycopodiaceae
Clubtail, Dragonflies
Cohosh, Ranunculaceae
Coleoptera, Beetles
Coltsfoot, Asteraceae
Conioselinum, Apiaceae
Cooter, Reptiles
Copperhead, Reptiles
Corallorhiza, Orchidaceae
Coralroot, Orchidaceae
Corema, Empetraceae
Cottongrass, Cyperaceae
Couesius, Fish
Cow lily, Nymphaeaceae
Cranberry, Ericaceae
Creeping, Mussel
Cress, Brassicaceae
Crocanthemum, Cistaceae
Crotalus, Reptiles
Crowberry, Empetraceae
Cryptogramma, Adiantaceae
Cuckoo Flower, Brassicaceae

Cudweed, Asteraceae
Culver's root, Scrophulariaceae
Currant, Grossulariaceae
Cutworm, Butterflies and Moths
Cycnia, Butterflies and Moths
Cynoglossum, Boraginaceae
Cyperus, Cyperaceae
Cypripedium, Orchidaceae

Dace, Fish
Daggermoth, Butterflies and Moths
Damelfly, Damelflies
Darner, Dragonflies
Dendroica, Birds
Dermochelys, Reptiles
Deschampsia, Poaceae
Desmodium, Fabaceae
Devil's bit, Liliaceae
Dichanthelium, Poaceae
Digrammia, Butterflies and Moths
Dock, Polygonaceae
Doellingeria, Asteraceae
Dragon, Araceae
Dragonfly, Dragonflies
Dropseed, Poaceae

Eacles, Butterflies and Moths
Eagles, Birds
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Elymus, Poaceae
Emerald, Dragonflies
Emydoidea, Reptiles
Enallagma, Damselflies
Equisetum, Equisetaceae
Eragrostis, Poaceae
Eretmochelys, Reptiles
Eriocaulon, Eriocaulaceae
Eriophorum, Cyperaceae
Erora, Butterflies and Moths
Erynnis, Butterflies and Moths
Eubalaena, Mammals
Eubbranchipus, Crustaceans
Euchlaena, Butterflies and Moths
Eulimnadia, Crustaceans
Eupatorium, Asteraceae
Euphyes, Butterflies and Moths

Fairy Shrimp, Crustaceans
Falco, Birds
Falcon, Birds
False loosestrife, Onagraceae
False oats, Poaceae
Faronta, Butterflies and Moths
Fern, Dryopteridaceae, Ophioglossaceae,
Schizaeceae
Ferrissia, Snails
Firmoss, Lycopodiaceae
Flax, Linaceae
Floater, Mussel
Floridobia, Snails
Foxtail, Poaceae
Fumitory, Fumariaceae

Galium, Rubiaceae
Gallinula, Birds
Gama grass, Poaceae
Gammarus, Crustaceans
Gamochaeta, Asteraceae
Gasterosteus, Fish
Gavia, Birds
Gentian, Gentianaceae
Gentiana, Gentianaceae
Geometer, Butterflies and Moths
Gerardia, Scrophulariaceae
Giant-hyssop, Scrophulariaceae
Ginseng, Araliaceae
Glyptemys, Reptiles
Golden Club, Araceae
Golden Seal, Ranunculaceae
Goldenrod, Asteraceae
Gomphus, Dragonflies
Goodyera, Orchidaceae
Goosefoot, Chenopodiaceae
Grammia, Butterflies and Moths
Grass, Poaceae
Gray, Butterflies and Moths
Grebe, Birds
Green Dragon, Araceae
Gypsywort, Lamiaceae

Hairgrass, Poaceae
Hairstreak, Butterflies and Moths
Halenia, Gentianaceae
Haliaeetus, Birds
Harrier, Birds
Hawk, Birds

Hawkmoth, Butterflies and Moths
Hawksbill, Reptiles
Hemaris, Butterflies and Moths
Hemileuca, Butterflies and Moths
Holly fern, Dryopteridaceae
Honeysuckle, Caprifoliaceae
Horned sedge, Cyperaceae
Houstonia, Rubiaceae
Huperzia, Lycopodiaceae
Hybognathus, Fish
Hydrastis, Ranunculaceae
Hydrocotyle, Apiaceae
Hydrophyllum, Hydrophyllaceae
Hypericum, Clusiaceae
Hypomecis, Butterflies and Moths

Hex, Aquifoliaceae
Inchworm, Butterflies and Moths
Isoetes, Isoetaceae
Isotria, Orchidaceae
Itame, Butterflies and Moths
Ixobrychus, Birds

Juncus, Juncaceae

Knotweed, Polygonaceae

Lachnanthes, Haemodoraceae
Ladies' tresses, Orchidaceae
Lady's slipper, Orchidaceae
Lampetra, Fish
Lamprey, Fish
Lampsilis, Mussels
Laurel, Ericaceae
Leatherback, Reptiles
Lechea, Cistaceae
Leech, Segmented Worms
Lemming, Mammals
Lepidochelys, Reptiles
Lepidoptera, Butterflies and Moths
Leptochloa, Poaceae
Leptodea, Mussels
Leymus, Poaceae
Liatis, Asteraceae
Ligumia, Mussels
Limnadia, Crustaceans
Limpet, Snails
Linnaea, Caprifoliaceae

Linum, Linaceae
Lion's Foot, Asteraceae
Liparis, Orchidaceae
Lipocarpha, Cyperaceae
Listera, Orchidaceae
Lithophane, Butterflies and Moths
Littoridinops, Snails
Lobelia, Campanulaceae
Loggerhead, Reptiles
Lonicera, Caprifoliaceae
Loon, Birds
Lota, Fish
Lousewort, Scrophulariaceae
Lovegrass, Poaceae
Ludwigia, Onagraceae
Luzula, Junceae
Lycia, Butterflies and Moths
Lycopodiella, Lycopodiaceae
Lycopus, Lamiaceae
Lygodium, Schizaeaceae
Lyme grass, Poaceae

Macrobodella, Segmented Worms
Magnolia, Magnoliaceae
Malaclermys, Reptiles
Malaxis, Orchidaceae
Maple, Aceraceae
Marstonia, Snails
Meadow Beauty, Melastomataceae
Megaptera, Mammals
Mertensia, Boraginaceae
Metarranthis, Butterflies and Moths
Miliun, Poaceae
Milkweed, Aselepiadaceae
Millet, Poaceae
Mimulus, Scrophulariaceae
Minnow, Fish
Minuartia, Caryophyllaceae
Mistletoe, Viscaceae
Moehringia, Caryophyllaceae
Molluses, Mussels
Moneses, Ericaceae
Monkey flower, Scrophulariaceae
Moorhen, Birds
Morus, Moraceae
Moth, Butterflies and Moths
Mountain ash, Rosaceae
Mucket, Mussels
Mulberry, Moraceae

Muskflower, Scrophulariaceae
Mussel, Mussels
Myotis, Mammals
Myriophyllum, Haloragaceae

Nabalus, Asteraceae
Needlegrass, Poaceae
Neoligia, Butterflies and Moths
Neottia, Orchidaceae
Neurocordulia, Dragonflies
Nicrophorus, Beetles
Notropis, Fish
Nuphar, Nymphaeaceae
Nut sedge, Cyperaceae

Oak, Fagaceae
Oats, Poaceae
Oceanodroma, Birds
Odonata, Dragonflies or Damselflies
Onecnemis, Butterflies and Moths
Ophioglossum, Ophioglossaceae
Ophiogomphus, Dragonflies
Oporornis, Birds
Opuntia, Cactaceae
Orchid, Orchidaceae
Orchis, Orchidaceae
Orontium, Araceae
Owl, Birds
Oxalis, Oxalidaceae
Oysterleaf, Boraginaceae

Panax, Araliaceae
Panic grass, Poaceae
Panicum, Poaceae
Papaipema, Butterflies and Moths
Paronychia, Caryophyllaceae
Parsley, Apiaceae
Parula, Birds
Patherophis, Reptiles
Peanutgrass, Poaceae
Pedicularis, Scrophulariaceae
Pennyroyal, Lamiaceae
Pennywort, Apiaceae
Penstemon, Scrophulariaceae
Persicaria, Polygonaceae
Petasites, Asteraceae
Phoxinus, Fish
Physeter, Mammals
Pieris, Butterflies and Moths

~~Pink, Gentianaceae~~
~~Pinweed, Cistaceae~~
~~Pipewort, Eriocaulaceae~~
~~Planarian, Flatworms~~
~~Platanthera, Orchidaceae~~
~~Plover, Birds~~
~~Poa, Poaceae~~
~~Pod-grass, Scheuchzeriaceae~~
~~Podilymbus, Birds~~
~~Podostemum, Podostemaceae~~
~~Pogonia, Orchidaceae~~
~~Polyceelis, Flatworms~~
~~Polygonum, Polygonaceae~~
~~Polystichum, Dryopteridaceae~~
~~Pomatiopsis, Snails~~
~~Pondweed, Potamogetonaceae~~
~~Poocetes, birds~~
~~Populus, Salicaceae~~
~~Potamogeton, Potamogetonaceae~~
~~Prickly Pear, Cactaceae~~
~~Prunus, Rosaceae~~
~~Psectraglaea, Butterflies and Moths~~
~~Pseudemys, Reptiles~~
~~Ptichodis, Butterflies and Moths~~
~~Putty root, Orchidaceae~~
~~Pygmyweed, Crassulaceae~~
~~Pyrola, Ericaceae~~

~~Quercus, Fagaceae~~
~~Quillwort, Isoetaceae~~

~~Rail, Birds~~
~~Rallus, Birds~~
~~Ranunculus, Ranunculaceae~~
~~Rattlesnake, Reptiles~~
~~Rattlesnake plantain, Orchidaceae~~
~~Redroot, Haemodoraceae~~
~~Reedgrass, Poaceae~~
~~Rhexia, Melastomataceae~~
~~Rhionaeschna, Dragonflies~~
~~Rhododendron, Ericaceae~~
~~Rhodoecia, Butterflies and Moths~~
~~Rhynchospora, Cyperaceae~~
~~Ribes, Grossulariaceae~~
~~Ridley, Reptiles~~
~~Rock-brake, Adiantaceae~~
~~Rock-cress, Brassicaceae~~
~~Rockrose, Cistaceae~~
~~Rosa, Rosaceae~~

Rose, Rosaceae
Rotala, Lythraceae
Rumex, Polygonaceae
Rush, Juncaceae
Rye, Poaceae

Sabatia, Gentianaceae
Sack Bearer, Butterflies and Moths
Sagittaria, Alismataceae
Salamander, Amphibians
Salix, Salicaceae
Sallow, Butterflies and Moths
Sandpiper, Birds
Sandwort, Caryophyllaceae
Sanicle, Apiaceae
Sanicula, Apiaceae
Satyrium, Butterflies and Moths
Scaphiopus, Amphibians
Scheuchzeria, Scheuchzeriaceae
Scirpus, Cyperaceae
Scleria, Cyperaceae
Sclerolepis, Asteraceae
Scouring-rush, Equisetaceae
Sea-blite, Chenopodiaceae
Sedge, Cyperaceae
Senna, Fabaceae
Setaria, Poaceae
Shadbush, Rosaceae
Shadowdragon, Dragonflies
Shrew, Mammals
Shiner, Fish
Siltsnail, Snails
Silverling, Caryophyllaceae
Sisyrinchium, Iridaceae
Skipper, Butterflies and Moths
Snail, Snails
Snake, Reptiles
Snakeroot, Asteraceae
Snaketail, Dragonflies
Snowberry, Caprifoliaceae
Solidago, Asteraceae
Somatochlora, Dragonflies
Sorbus, Rosaceae
Sorex, Mammals
Spadefoot, Amphibians
Sparganium, Sparganiaceae
Sparrow, Birds
Spartina, Poaceae
Spartiniphaga, Butterflies and Moths

Speargrass, Poaceae
Sphenopholis, Poaceae
Spike sedge, Cyperaceae
Spiranthes, Orchidaceae
Spleenwort, Aspleniaceae
Sponge, Sponges
Spongilla, Sponges
Sporobolus, Poaceae
Spring Beauty, Portulacaceae
St. John's wort, Clusiaceae
St. Andrew's Cross, Clusiaceae
Stenoporpia, Butterflies and Moths
Sterna, Birds
Sternula, Birds
Stickleback, Fish
Storm petrel, Birds
Strawberry, Rosaceae
Streak, Butterflies and Moths
Strophitus, Mussel
Sturgeon, Fish
Stygebromus, Crustaceans
Stylurus, Dragonflies
Suaeda, Chenopodiaceae
Sucker, Fish
Symphoricarpos, Caprifoliaceae
Symphyotrichum, Asteraceae
Synaptomys, Mammals
Synurella, Crustaceans

Tern, Birds
Terrapene, Reptiles
Terrapin, Reptiles
Threadfoot, Podostemaceae
Thuja, Cupressaceae
Tick-trefoil, Fabaceae
Tigermoth, Butterflies and Moths
Tillaea, Crassulaceae
Tinker's weed, Caprifoliaceae
Tipularia, Orchidaceae
Toothcup, Lythraceae
Trichomanes, Hymenophyllaceae
Trichostema, Lamiaceae
Triosteum, Caprifoliaceae
Triphora, Orchidaceae
Tripsacum, Poaceae
Trisetum, Poaceae
Turtle, Reptiles
Twayblade, Orchidaceae
Tyto, Birds

~~Umbrella sedge, Cyperaceae~~
~~Utricularia, Lentibulariaceae~~

~~Vaccinium, Ericaceae~~
~~Valvalta, Snails~~
~~Verbena, Verbenaceae~~
~~Vermivora, Birds~~
~~Veronica, Scrophulariaceae~~
~~Veronicastrum, Scrophulariaceae~~
~~Vervain, Verbenaceae~~
~~Viburnum, Caprifoliaceae~~
~~Viola, Violaceae~~
~~Violet, Violaceae~~

~~Waldsteinia, Rosaceae~~
~~Walker, Snails~~
~~Wapato, Alismataceae~~
~~Warbler, Birds~~
~~Water milfoil, Haloragaceae~~
~~Water speedwell, Scrophulariaceae~~
~~Water starwort, Callitrichaceae~~
~~Waterleaf, Hydrophyllaceae~~
~~Waterwort, Elatinaceae~~
~~Wedgegrass, Poaceae~~
~~Whale, Mammals~~
~~White, Butterflies and Moths~~
~~Williamsonia, Dragonflies~~
~~Willow, Salicaceae~~
~~Winterberry, Aquifoliaceae~~
~~Wood mint, Lamiaceae~~
~~Wood sorrel, Oxalidaceae~~
~~Woodrush, Juncaceae~~
~~Woodsia, Dryopteridaceae~~
~~Wren, Birds~~

~~Yarrow, Asteraceae~~

~~Zale, Butterflies and Moths~~
~~Zanclognatha, Butterflies and Moths~~

(reserved)