



May 2007

New York



Rare Animal



Status List



New York Natural Heritage Program

A Partnership between The Nature Conservancy and the NYS Department of Environmental Conservation

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THE NEW YORK NATURAL HERITAGE PROGRAM

The NY Natural Heritage Program is a partnership between the NYS Department of Environmental Conservation (NYS DEC) and The Nature Conservancy. Our mission is to enable and enhance conservation of rare animals, rare plants, and significant ecosystems. We accomplish this mission by combining thorough field inventories, scientific analyses, expert interpretation, and the most comprehensive database on New York's distinctive biodiversity to deliver the highest quality information for natural resource planning, protection, and management.

NY Natural Heritage was established in 1985 and is a contract unit housed within NYS DEC's Division of Fish, Wildlife, & Marine Resources. The program is staffed by more than 20 scientists and specialists with expertise in ecology, zoology, botany, information management, and geographic information systems.

NY Natural Heritage maintains New York's most comprehensive database on the status and location of rare species and natural communities. We presently monitor 166 natural community types, 714 rare plant species, and 440 rare animal species across New York, keeping track of more than 10,000 locations where these species and communities are found. The database also includes detailed information on the relative rareness of each species and community, the quality of their occurrences, and descriptions of sites. The information is used by public agencies, the environmental conservation community, developers, and others to aid in land-use decisions. Our data are essential for prioritizing those species and communities in need of

protection and for guiding land-use and land-management decisions where these species and communities exist.

In 1990, NY Natural Heritage published *Ecological Communities of New York State*, an all inclusive classification of natural and human-influenced communities. From 40,000-acre beech-maple mesic forests to 40-acre maritime beech forests, sea-level salt marshes to alpine meadows, our classification quickly became the primary source for natural community classification in New York and a fundamental reference for natural community classifications in the northeastern United States and southeastern Canada. This classification, which has been continually updated as we gather new field data, has also been incorporated into the National Vegetation Classification that is being developed and refined by NatureServe, The Nature Conservancy, and Natural Heritage Programs throughout the United States (including New York).

NY Natural Heritage is an active participant in NatureServe – the international network of biodiversity data centers. There are currently Natural Heritage Programs in all 50 states and 21 Conservation Data Centers (the international equivalent of Natural Heritage Programs) in Canada, Latin America, and South America. These programs work with NatureServe to develop biodiversity data, maintain compatible standards for data management, and provide information about rare species and natural communities that is consistent across many geographic scales – from ¼-acre wetland sites to the North American continent.

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The most recent version of this list may be found on our website:

www.nynhp.org

For more information, suggestions, or comments about this list, contact

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To report sightings of rare species, contact our office or fill out and mail us the natural heritage reporting form at the end of this publication.

Cover photos (from left to right): Top—Arrowhead Spiketail (*Cordulegaster obliqua*); Longtail Salamander (*Eurycea longicauda*); Middle—Bald Eagle (*Haliaeetus leucocephalus*) by Anonymous; tiger beetle (*Cicindela patruela*); Timber rattlesnake (*Crotalus horridus*) by Matthew D. Schlesinger; Bottom—Bogbean Buckmoth (*Hemileuca* sp. 1); Blanding's Turtle (*Emys blandingii*) by Mike Losito. All photos by Jesse W. Jaycox unless otherwise specified.

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CONTRIBUTORS

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INTRODUCTION

The following list is the New York Natural Heritage Program's current assessment of the status of New York's rarest and most imperiled animal species. We have developed this list in consultation with the Department of Environmental Conservation's Endangered Species Unit and Nongame Unit, NatureServe (www.natureserve.org), researchers, conservation organizations, and knowledgeable amateur biologists. Population locations in our database are drawn from sources including museum specimens, personal contacts, and the scientific literature, and through extensive field research. This list is dynamic, meaning it changes as new discoveries are made or populations are lost. Check www.nynhp.org for the latest version of this list.

TAXONOMY AND NOMENCLATURE

Species typically have two sets of names: scientific and common. Scientific names follow standard nomenclatures specific to the different groups of animals. The scientific names of birds, for example, follow the standards set by the American Ornithologists' Union.

Common names are standardized in some cases, such as for birds, but are not as consistent across a species' geographic range as scientific names. Further, some species have not yet been given common names; in the list below, these species are flagged with general names, such as "A Bluet Damsely" or "A Noctuid Moth."

In the following lists, major species groups (taxonomic Classes) are sorted in reverse taxonomic order; that is, groups with a longer evolutionary history are listed after groups that have evolved more recently. Thus, mammals (the most recently evolved taxonomic Class) are first, followed by birds, reptiles, turtles¹, amphibians, fish, and multiple Classes of invertebrates. Within each of these taxonomic Classes (e.g., birds [Aves]), species are grouped into Orders (e.g., perching birds [Passeriformes]), and then Families (e.g., warblers [Parulidae]), each of which is sorted in taxonomic order. Families are separated by tick marks. Within Families, species are sorted alphabetically by Genus and Species.

STATE & FEDERAL LISTINGS

NY Natural Heritage tracks a selected subset of New York's animals. The species we track are chosen based on their degree of rarity or imperilment within the state, and as new information comes in, new species are sometimes added while others are discontinued. Information on the species and communities tracked by NY Natural Heritage are used for conservation, research, and regulatory purposes.

Most rare animals have few occurrences within New York and are state listed as endangered, threatened, or special concern. Some animals, however, are more abundant but are nonetheless vulnerable to rapid decline. For example, northern harriers are known to nest at more than 65 places in New York, but rapid habitat loss jeopardizes their long-term persistence. Therefore, although the northern harrier is not technically rare, it is imperiled to such an extent that it is state listed as threatened and nesting locations are tracked by NY Natural Heritage.

Many of the species tracked by NY Natural Heritage are listed as "endangered" or "threatened" under the state Environmental Conservation Law (E.C.L.). Listing is a legal process that is conducted by the state agency with authority over the species in question, and for animals confers important protection requirements.

The DEC Division of Fish, Wildlife, and Marine Resources has jurisdiction over rare animal species listed as "endangered," "threatened," or "special concern" under E.C.L. §11-0535. Animals listed as endangered or threatened receive notable legal protection, as it is illegal to

¹ Note that in currently accepted taxonomy, turtles are distinct from reptiles.

take or possess any of these species or their parts without a permit from DEC. Species of special concern warrant attention and consideration but current information does not justify listing them as either endangered or threatened.

A subset of the animal species listed under New York state law is also recognized under federal law. These species are so seriously imperiled across their entire range that they face the very real prospect of extinction. Species are listed as federally endangered or threatened by the U.S. Fish & Wildlife Service in consultation with state agencies and other experts, and the Service works closely with DEC on the protection of federally listed species in New York.

Ultimately, protection of New York's biodiversity lies with landowners and land managers regardless of state or federal listings. How private and public landowners manage their properties will determine what species and natural communities persist into the future. This situation is both a great opportunity and a serious challenge.

State legal listings are identified with the following codes:

- E** endangered
- T** threatened
- SC** special concern
- P** protected
- G** game
- U** unprotected

Federal legal listings are identified with the following codes:

- LE** listed endangered
- LT** listed threatened
- C** candidate
- PDL** proposed for delisting

NY Natural Heritage tracks all species listed as endangered and threatened. While we track many of the species listed as being of special concern, a subset of special concern species are currently not rare or imperiled enough to merit tracking at our precise scale. In addition, we track many species that are biologically rare and imperiled, but that have not gone through the review process necessary for state listing.

ACTIVE INVENTORY AND WATCH LIST

The NY Natural Heritage Program keeps two lists of rare animal species: the Active Inventory List and the Watch List. Species on the Active Inventory List are ones we currently track in our database; for the most part these are the most rare or most imperiled species in the state. Species on the Watch List are those that could become imperiled enough in the future to warrant being actively inventoried, or are ones for which we do not have enough data to determine whether they should be actively inventoried. Species are moved between lists, or off the lists entirely, as available information warrants.

GLOBAL AND STATE STATUS RANKS

NY Natural Heritage's statewide inventory efforts revolve around lists of rare species and all types of natural communities known to occur, or to have historically occurred, in the state. These lists are based on a variety of sources including museum collections, scientific literature, information from state and local government agencies, regional and local experts, and data from neighboring states.

Each rare species is assigned a rank based on its rarity and vulnerability. Like all state Natural Heritage Programs, NY Natural Heritage's ranking system assesses rarity at two geographic scales: global and state. The global rarity rank reflects the status of a species or community throughout its range, whereas the state rarity rank indicates its status within New

York. Global ranks are maintained and updated by NatureServe, which coordinates the network of Natural Heritage programs. Both global and state ranks are usually based on the range of the species or community, the number of occurrences, the viability of the occurrences, and the vulnerability of the species or community around the globe or across the state. As new data become available, the ranks may be revised to reflect the most current information. Subspecific taxa are also assigned a taxon rank which indicates the subspecies' rarity rank throughout its range.

For the most part, global and state ranks follow a straightforward scale of 1 (rarest/most imperiled) to 5 (common/secure), as follows:

- G1, S1** Critically imperiled because of rarity (5 or fewer occurrences, or few remaining acres or miles of stream) or factors making it especially vulnerable to extinction rangewide (global) or in New York (state)
- G2, S2** Imperiled because of rarity (6-20 occurrences, or few remaining acres or miles of stream) or factors demonstrably making it very vulnerable to extinction (global) or extirpation from New York (state)
- G3, S3** Either uncommon or local, typically with 21 to 100 occurrences, limited acreage, or miles of stream rangewide (global) or in New York (state)
- G4, S4** Apparently secure rangewide (global) or in New York (state)
- G5, S5** Demonstrably secure, though it may be quite rare in parts of its range

There are also some additional codes:

- GH, SH** Only known historically rangewide (global) or not reported in NY the last 20 years
- GX, SX** Apparently extinct (global) or extirpated from NY (state)
- GU, SU** Lack of information or substantial conflicting information about status or trends makes ranking infeasible at this time
- SNA** A visitor to the state but not a regular occupant (such as a bird or insect migrating through the state), or a species that is predicted to occur in NY but that has not been found.
- SNR** No effort has yet been made to rank the species

Codes sometimes have qualifiers attached:

- T1, T2, etc.** These ranks, which like global and state ranks run from 1 (rarest/most imperiled) to 5 (common/secure), are attached to global ranks to indicate the status of a subspecies or variety
- Q** Indicates that the species, subspecies, or variety is in taxonomic dispute
- ?** Indicates that the state or global rank is uncertain and more information is needed
- N** Indicates the migratory status of a migratory species when it is not breeding in NY (for example, populations that are overwintering in the state)
- B** Indicates the state status of a migratory species when it has breeding populations in NY

Some examples of ranks

Global	State	Example	Explanation
G5	S2	Devil Crawfish	Common rangewide (G5), imperiled in NY (S2)
G3	S2	Bog Turtle	Uncommon rangewide (G3), imperiled in NY (S2)
G5	SH	Least Weasel	Common rangewide (G5), historical in NY (SH)
G5	S1S2	Swamp Darter	Common rangewide (G5), somewhere between critically imperiled (S1) and imperiled (S2) in NY
G5	S1S3	Watercress Snail	Common rangewide, somewhere between critically imperiled (S1) and uncommon (S3) in NY
GH	SX	Shortnose Cisco	Historical rangewide (GH), extirpated from NY (SX)
GU	SH	Black Lordithon Rove Beetle	Insufficient information for ranking the species' rangewide status (GU), historical in NY (SH)
G4	S1?	Chain Fern Borer Moth	Apparently secure rangewide (G4), appears to be critically imperiled in NY (S1) but more information is needed (?)
G1G2	S1	Dwarf Wedgemussel	Somewhere between critically imperiled (G1) and imperiled (G2) rangewide, critically imperiled in NY (S1)
G3G4	S1S3	Bird Dropping Moth	Somewhere between uncommon (G3) and apparently secure (G4) rangewide, somewhere between critically imperiled (S1) and uncommon (S3) in NY
G5T2	S1	Karner Blue Butterfly	The species is secure (G5) but the subspecies is imperiled rangewide (T2), the subspecies is critically imperiled in NY (S1)
G4T2T4	SH	The Consort Underwing	The species is apparently secure (G4) but the subspecies is somewhere between imperiled (T2) and apparently secure (T4) rangewide, the subspecies is historical in NY (SH)
G1Q	S1	Bogbean Buckmoth	Critically imperiled rangewide (G1) but the species is in taxonomic dispute (Q), critically imperiled in NY (S1)
G5	S3B,S1N	Least Bittern	Common rangewide (G5), breeding populations (B) are uncommon in NY (S3) while non-breeding populations (N) are critically imperiled (S1) (in this case, overwintering birds)
G5	S2S3B,S2N	Bald Eagle	Common rangewide (G5), breeding populations (B) are somewhere between imperiled (S2) and uncommon (S3) in NY, while non-breeding birds (N) are imperiled in NY

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL STATUS
Mammals						
Shrews and Moles						
	<i>Cryptotis parva</i>	Least Shrew	G5	SH	U	
Bats						
	<i>Myotis leibii</i>	Eastern Small-footed Myotis	G3	S2	SC	
	<i>Myotis sodalis</i>	Indiana Bat	G2	S1	E	LE
Carnivores						
	<i>Puma concolor couguar</i>	Eastern Cougar	G5THQ	SX	E	LE
	<i>Mustela nivalis</i>	Least Weasel	G5	SH	G	
	<i>Phoca vitulina</i>	Harbor Seal	G5	S3	P	
Whales and Dolphins						
	<i>Eubalaena glacialis</i>	Northern Right Whale	G1	SNA	E	LE
	<i>Balaenoptera borealis</i>	Sei Whale	G3	SNA	E	LE
	<i>Balaenoptera musculus</i>	Blue Whale	G3G4	SNA	E	LE
	<i>Balaenoptera physalus</i>	Fin Whale	G3G4	S1	E	LE
	<i>Megaptera novaeangliae</i>	Humpback Whale	G3	SNA	E	LE
	<i>Tursiops truncatus</i>	Bottlenosed Dolphin	G5	S3	U	
	<i>Physeter macrocephalus</i>	Sperm Whale	G3G4	SNA	E	LE
Rodents						
	<i>Neotoma magister</i>	Allegheny Woodrat	G3G4	S1	E	
Rabbits and Hares						
	<i>Sylvilagus transitionalis</i>	New England Cottontail	G4	S1S2	SC	C
Birds						
Waterfowl						
	<i>Oxyura jamaicensis</i>	Ruddy Duck	G5	S1	G	
Fowls and Gallinaceous Birds						
	<i>Falci pennis canadensis</i>	Spruce Grouse	G5	S2	E	
Loons						
	<i>Gavia immer</i>	Common Loon	G5	S3	SC	
Grebes						
	<i>Podilymbus podiceps</i>	Pied-billed Grebe	G5	S3B,S1N	T	
Hérons, Ibises, and Storks						
	<i>Ardea alba</i>	Great Egret	G5	S2	P	
	<i>Ardea herodias</i>	Great Blue Heron	G5	S5	P	
	<i>Bubulcus ibis</i>	Cattle Egret	G5	S2	P	
	<i>Egretta caerulea</i>	Little Blue Heron	G5	S2	P	
	<i>Egretta thula</i>	Snowy Egret	G5	S2S3	P	
	<i>Egretta tricolor</i>	Tricolored Heron	G5	S2	P	
	<i>Ixobrychus exilis</i>	Least Bittern	G5	S3B,S1N	T	

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL STATUS
Birds - Continued						
Hérons, Ibises, and Storks - Continued						
	<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron	G5	S2	P	
	<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S2	P	
Raptors						
	<i>Aquila chrysaetos</i>	Golden Eagle	G5	SHB,S1N	E	
	<i>Circus cyaneus</i>	Northern Harrier	G5	S3B,S3N	T	
	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S2S3B,S2 N	T	LT,PDL
	<i>Falco peregrinus</i>	Peregrine Falcon	G4	S3B	E	
Rails and Cranes						
	<i>Laterallus jamaicensis</i>	Black Rail	G4	S1B	E	
	<i>Rallus elegans</i>	King Rail	G4	S1B	T	
Gulls, Plovers, and Shorebirds						
	<i>Charadrius melodus</i>	Piping Plover	G3	S3B	E	LE,LT
	<i>Bartramia longicauda</i>	Upland Sandpiper	G5	S3B	T	
	<i>Chlidonias niger</i>	Black Tern	G4	S2B	E	
	<i>Gelochelidon nilotica</i>	Gull-billed Tern	G5	S1	P	
	<i>Hydroprogne caspia</i>	Caspian Tern	G5	S1	P	
	<i>Larus atricilla</i>	Laughing Gull	G5	S1	P	
	<i>Rynchops niger</i>	Black Skimmer	G5	S2	SC	
	<i>Sterna dougallii</i>	Roseate Tern	G4	S1B	E	LE
	<i>Sterna forsteri</i>	Forster's Tern	G5	S1	P	
	<i>Sterna hirundo</i>	Common Tern	G5	S3B	T	
	<i>Sternula antillarum</i>	Least Tern	G4	S3B	T	
Owls						
	<i>Tyto alba</i>	Barn Owl	G5	S1S2	P	
	<i>Asio flammeus</i>	Short-eared Owl	G5	S2	E	
Nightbirds						
	<i>Caprimulgus carolinensis</i>	Chuck-will's-widow	G5	S2	P	
Woodpeckers						
	<i>Picoides dorsalis</i>	Three-toed Woodpecker	G5	S2	P	
Perching Birds						
	<i>Lanius ludovicianus</i>	Loggerhead Shrike	G4	S1B	E	
	<i>Cistothorus platensis</i>	Sedge Wren	G5	S3B	T	
	<i>Catharus bicknelli</i>	Bicknell's Thrush	G4	S2S3B	SC	
	<i>Dendroica castanea</i>	Bay-breasted Warbler	G5	S2	P	
	<i>Dendroica palmarum</i>	Palm Warbler	G5	S1	P	
	<i>Dendroica tigrina</i>	Cape May Warbler	G5	S2	P	
	<i>Oporornis formosus</i>	Kentucky Warbler	G5	S2	P	

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL STATUS
Birds - Continued						
Perching Birds - Continued						
	<i>Protonotaria citrea</i>	Prothonotary Warbler	G5	S2	P	
	<i>Vermivora peregrina</i>	Tennessee Warbler	G5	S2	P	
	<i>Ammodramus henslowii</i>	Henslow's Sparrow	G4	S3B	T	
	<i>Ammodramus maritimus</i>	Seaside Sparrow	G4	S2S3	SC	
	<i>Spizella pallida</i>	Clay-colored Sparrow	G5	S2	P	
Reptiles						
Lizards, Snakes and Amphisbaenians						
	<i>Sceloporus undulatus</i>	Fence Lizard	G5	S1	T	
	<i>Eumeces anthracinus</i>	Coal Skink	G5	S2S3	G	
	<i>Carphophis amoenus</i>	Worm Snake	G5	S2	SC	
	<i>Regina septemvittata</i>	Queen Snake	G5	S1	E	
	<i>Crotalus horridus</i>	Timber Rattlesnake	G4	S3	T	
	<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	3G4T3T4C	S1	E	C
Turtles						
Turtles						
	<i>Caretta caretta</i>	Loggerhead	G3	S1N	T	LT
	<i>Chelonia mydas</i>	Green Turtle	G3	S1N	T	LT
	<i>Eretmochelys imbricata</i>	Atlantic Hawksbill	G3T3Q	SNA	E	LE
	<i>Lepidochelys kempii</i>	Kemp's or Atlantic Ridley	G1	S1N	E	LE
	<i>Dermochelys coriacea</i>	Leatherback	G2	S1N	E	LE
	<i>Emys blandingii</i>	Blanding's Turtle	G4	S2S3	T	
	<i>Glyptemys muhlenbergii</i>	Bog Turtle	G3	S2	E	LT
	<i>Kinosternon subrubrum</i>	Eastern Mud Turtle	G5	S1	E	
	<i>Apalone spinifera</i>	Spiny Softshell	G5	S2S3	SC	
Amphibians						
Frogs and Toads						
	<i>Acris crepitans</i>	Northern Cricket Frog	G5	S1	E	
	<i>Rana sphenoccephala</i>	Southern Leopard Frog	G5	S1S2	SC	
	<i>Scaphiopus holbrookii</i>	Eastern Spadefoot	G5	S2S3	SC	
Salamanders						
	<i>Ambystoma tigrinum</i>	Tiger Salamander	G5	S1S2	E	
	<i>Cryptobranchus alleganiensis</i>	Hellbender	G3G4	S2	SC	
	<i>Eurycea longicauda</i>	Longtail Salamander	G5	S2S3	SC	
Ray-finned Fishes						

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL STATUS
Ray-finned Fishes - Continued						
Paddlefishes, Spoonfishes, and Sturgeons						
	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	G3	S1	E	LE
	<i>Acipenser fulvescens</i>	Lake Sturgeon	G3G4	S1S2	T	
	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	G3	S1	P	C
	<i>Polyodon spathula</i>	Paddlefish	G4	SX	U	
Mooneyes						
	<i>Hiodon tergisus</i>	Mooneye	G5	S1	T	
Anchovies and Herrings						
	<i>Alosa mediocris</i>	Hickory Shad	G5	S2	U	
Minnows and Suckers						
	<i>Erimystax dissimilis</i>	Streamline Chub	G4	S1	SC	
	<i>Erimystax x-punctatus</i>	Gravel Chub	G4	S1	T	
	<i>Exoglossum laurae</i>	Tonguetied Minnow	G4	S2	U	
	<i>Hybopsis amblops</i>	Bigeye Chub	G5	S2	U	
	<i>Lythrurus umbratilis</i>	Redfin Shiner	G5	S2	SC	
	<i>Macrhybopsis storeriana</i>	Silver Chub	G5	SH	E	
	<i>Notropis anogenus</i>	Pugnose Shiner	G3	S1	E	
	<i>Notropis buccatus</i>	Silverjaw Minnow	G5	S1	U	
	<i>Notropis chalybaeus</i>	Ironcolor Shiner	G4	S1	SC	
	<i>Notropis heterodon</i>	Blackchin Shiner	G5	S1	U	
	<i>Notropis photogenis</i>	Silver Shiner	G5	S2	U	
	<i>Notropis procne</i>	Swallowtail Shiner	G5	S2	U	
	<i>Carpionodes cyprinus</i>	Quillback	G5	S2	U	
	<i>Erimyzon sucetta</i>	Lake Chubsucker	G5	SH	T	
	<i>Moxostoma carinatum</i>	River Redhorse	G4	S2?	U	
	<i>Moxostoma duquesnei</i>	Black Redhorse	G5	S2	SC	
	<i>Moxostoma valenciennesi</i>	Greater Redhorse	G4	S2	U	
Catfishes						
	<i>Noturus miurus</i>	Brindled Madtom	G5	S1	U	
Salmon and Trout						
	<i>Coregonus hoyi</i>	Bloater	G4	SX	U	
	<i>Coregonus kiyi</i>	Kiyi	G3	SX	U	
	<i>Coregonus reighardi</i>	Shortnose Cisco	GH	SX	U	
	<i>Coregonus zenithicus</i>	Shortjaw Cisco	G3	SX	U	
	<i>Prosopium cylindraceum</i>	Round Whitefish	G5	S1S2	E	
Perches						
	<i>Aphredoderus sayanus</i>	Pirate Perch	G5	S2	U	
Silersides						
	<i>Menidia beryllina</i>	Inland Silverside	G5	S2S3	U	
	<i>Menidia menidia</i>	Atlantic Silverside	G5	S2S3	U	
Needlefishes						
	<i>Strongylura marina</i>	Atlantic Needlefish	G5	S2S3	U	

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL STATUS
Ray-finned Fishes - Continued						
Needlefishes - Continued						
Killfishes						
	<i>Fundulus luciae</i>	Spotfin Killifish	G4	S1	U	
Sculpins and Scorpion Fishes						
	<i>Cottus ricei</i>	Spoonhead Sculpin	G5	SH	E	
	<i>Myoxocephalus thompsonii</i>	Deepwater Sculpin	G5	S1	E	
Perch-like Fishes						
	<i>Acantharchus pomotis</i>	Mud Sunfish	G5	SH	T	
	<i>Enneacanthus obesus</i>	Banded Sunfish	G5	S1S2	T	
	<i>Lepomis megalotis</i>	Longear Sunfish	G5	S1	T	
	<i>Ammocrypta pellucida</i>	Eastern Sand Darter	G3	S2	T	
	<i>Etheostoma camurum</i>	Bluebreast Darter	G4	S1	E	
	<i>Etheostoma exile</i>	Iowa Darter	G5	S2	U	
	<i>Etheostoma fusiforme</i>	Swamp Darter	G5	S1S2	T	
	<i>Etheostoma maculatum</i>	Spotted Darter	G2	S1	T	
	<i>Etheostoma variatum</i>	Variegated Darter	G5	S2	U	
	<i>Percina copelandi</i>	Channel Darter	G4	S2	U	
	<i>Percina evides</i>	Gilt Darter	G4	SH	E	
	<i>Percina macrocephala</i>	Longhead Darter	G3	S1	T	
	<i>Sander canadensis</i>	Sauger	G5	S1	U	
	<i>Aplodinotus grunniens</i>	Freshwater Drum	G5	S2	U	
Lampreys						
Lampreys						
	<i>Ichthyomyzon bdellium</i>	Ohio Lamprey	G3G4	S1	U	
	<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	G4	S1	U	
	<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	G3G4	S1	SC	
Gastropods						
Neotaenioglossa						
	<i>Cincinnatia integra</i>	Campeloma Spire Snail	G5	S1	U	
	<i>Fontigens nickliniana</i>	Watercress Snail	G5	S1S3	U	
	<i>Gillia altilis</i>	Buffalo Pebblesnail	G5	S1	SC	
	<i>Lyogyrus walkeri</i>	Canadian Dusksnail	G3G4	SNR	U	
	<i>Marstonia letsoni</i>	Gravel Pyrg	G5	SH	U	
Heterostropha						
	<i>Valvata lewisi</i>	Fringed Valvata	G5	S1	SC	
	<i>Valvata perdepessa</i>	Purplecap Valvata	G3	SNA	U	
	<i>Valvata sincera</i>	Mossy Valvata	G5	S1	SC	
Basommatophora						
	<i>Acella haldemani</i>	Spindle Lymnaea	G3	SNR	U	
	<i>Fossaria cyclostoma</i>	Bugle Fossaria	GH	SNR	U	
	<i>Stagnicola woodruffi</i>	Coldwater Pondsnailed	G1G3	SNR	U	

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Gastropods - Continued						
Basommatophora - Continued						
	<i>Aplexa elongata</i>	Lance Aplexa	G5	S2	U	
	<i>Physella vinosa</i>	Banded Physa	G5Q	S1	U	
	<i>Planorbella pilsbryi</i>	File Rams-horn	G4G5	SH	U	
Stylommatophora						
	<i>Novissuccinea chittenangoensis</i>	Chittenango Ovate Amber Snail	G1	S1	E	LT
Bivalves						
Freshwater Mussels						
	<i>Margaritifera margaritifera</i>	Eastern Pearlshell	G4	S2	U	
	<i>Actinonaias ligamentina</i>	Mucket	G5	S1S2	U	
	<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	G1G2	S1	E	LE
	<i>Alasmidonta varicosa</i>	Brook Floater	G3	S1	T	
	<i>Alasmidonta viridis</i>	Slippershell Mussel	G4G5	S1S2	U	
	<i>Amblema plicata</i>	Threeridge	G5	S1	U	
	<i>Anodonta implicata</i>	Alewife Floater	G5	S1S2	U	
	<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	G2T2	SNA	U	LE
	<i>Epioblasma triquetra</i>	Snuffbox	G3	SH	U	
	<i>Fusconaia flava</i>	Wabash Pigtoe	G5	S2	U	
	<i>Lampsilis abrupta</i>	Pink Mucket	G2	SH	E	LE
	<i>Lampsilis cariosa</i>	Yellow Lampmussel	G3G4	S3	U	
	<i>Lampsilis fasciola</i>	Wavyrayed Lampmussel	G5	S1	T	
	<i>Lampsilis ovata</i>	Pocketbook	G5	S2S3	U	
	<i>Lampsilis teres</i>	Yellow Sandshell	G5	SH	U	
	<i>Lasmigona complanata</i>	White Heelsplitter	G5	SH	U	
	<i>Lasmigona subviridis</i>	Green Floater	G3	S1S2	T	
	<i>Leptodea fragilis</i>	Fragile Papershell	G5	S3	U	
	<i>Leptodea ochracea</i>	Tidewater Mucket	G3G4	S1	U	
	<i>Ligumia nasuta</i>	Eastern Pondmussel	G4G5	S2S3	U	
	<i>Ligumia recta</i>	Black Sandshell	G5	S2S3	U	
	<i>Obovaria olivaria</i>	Hickorynut	G4	SH	U	
	<i>Obovaria subrotunda</i>	Round Hickorynut	G4	SH	U	
	<i>Pleurobema clava</i>	Clubshell	G2	S1	E	LE
	<i>Pleurobema sintoxia</i>	Round Pigtoe	G4	S1	U	
	<i>Potamilus alatus</i>	Pink Heelsplitter	G5	S2S3	U	
	<i>Potamilus capax</i>	Fat Pocketbook	G1G2	SH	E	LE
	<i>Potamilus ohioensis</i>	Pink Papershell	G5	SNA	U	
	<i>Ptychobranhus fasciolaris</i>	Kidneyshell	G4G5	S2	U	
	<i>Quadrula pustulosa</i>	Pimpleback	G5	SH	U	
	<i>Quadrula quadrula</i>	Mapleleaf	G5	SH	U	
	<i>Simpsonaias ambigua</i>	Salamander Mussel	G3	SH	U	
	<i>Toxolasma parvus</i>	Lilliput	G5	SH	U	
	<i>Truncilla donaciformis</i>	Fawnsfoot	G5	SH	U	
	<i>Truncilla truncata</i>	Deertoe	G5	S1	U	
	<i>Utterbackia imbecillis</i>	Paper Pondshell	G5	SH	U	

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Bivalves - Continued						
Freshwater Mussels - Continued						
	<i>Villosa fabalis</i>	Rayed Bean	G2	S1	E	C
	<i>Villosa iris</i>	Rainbow	G5	S2S3	U	
Malacostracans						
Amphipods						
	<i>Stygobromus allegheniensis</i>	Allegheny Cave Amphipod	G5	SNR	U	
	<i>Stygobromus borealis</i>	Taconic Cave Amphipod	G2G3	SNR	U	
	<i>Stygobromus tenuis tenuis</i>	Piedmont Groundwater Amphipod	G4T4	SNR	U	
Crabs, Crayfish, Lobsters and Prawns						
	<i>Cambarus diogenes</i>	Devil Crawfish	G5	S2	U	
Insects						
Mayflies						
	<i>Ameletus tertius</i>	A Mayfly	G4	SNR	U	
	<i>Baetis rusticans</i>	A Mayfly	G2G3	SNR	U	
	<i>Brachycercus maculatus</i>	A Mayfly	G5	SNR	U	
	<i>Dannella provonshai</i>	A Mayfly	G3G4	SNR	U	
	<i>Epeorus punctatus</i>	A Mayfly	G2G3	SNR	U	
	<i>Epeorus suffusus</i>	A Mayfly	G1Q	SNR	U	
	<i>Eurylophella bicoloroides</i>	A Mayfly	G3	SNR	U	
	<i>Heptagenia culacantha</i>	A Mayfly	G2G3	SNR	U	
	<i>Heptagenia julia</i>	A Mayfly	G4	SNR	U	
	<i>Nixe rusticalis</i>	A Mayfly	G5	SNR	U	
	<i>Procloeon mendax</i>	A Mayfly	G4	SNR	U	
	<i>Procloeon ozburni</i>	A Mayfly	G2G4	SNR	U	
	<i>Procloeon simile</i>	A Mayfly	G3G4	SNR	U	
	<i>Procloeon vicinum</i>	A Mayfly	G2G3	SNR	U	
	<i>Rhithrogena anomala</i>	A Mayfly	G3G4	SNR	U	
	<i>Rhithrogena uhari</i>	A Mayfly	G3G4	SNR	U	
	<i>Siphonisca aerodromia</i>	Tomah Mayfly	G2G3	S1	E	
	<i>Siphonurus barbaroides</i>	A Mayfly	G3	SNR	U	
	<i>Siphonurus barbarus</i>	A Mayfly	G1G3	SNR	U	
Dragonflies and Damselflies						
	<i>Calopteryx angustipennis</i>	Appalachian Jewelwing	G4	SH	U	
	<i>Calopteryx dimidiata</i>	Sparkling Jewelwing	G5	SH	U	
Dobsonflies						
	<i>Argia bipunctulata</i>	Seepage Dancer	G4	SH	U	
	<i>Argia tibialis</i>	Blue-tipped Dancer	G5	S2	U	
	<i>Enallagma laterale</i>	New England Bluet	G3G4	S2	U	
	<i>Enallagma minusculum</i>	Little Bluet	G3G4	S1	T	
	<i>Enallagma pictum</i>	Scarlet Bluet	G3	S1	T	
	<i>Enallagma recurvatum</i>	Pine Barrens Bluet	G3	S1S2	T	
	<i>Enallagma weewa</i>	Blackwater Bluet	G5	S1	U	
	<i>Ischnura ramburii</i>	Rambur's Forktail	G5	S2	U	
	<i>Nehalennia integricollis</i>	Southern Sprite	G5	S1	SC	

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Insects - Continued						
Dragonflies and Damselflies - Continued						
	<i>Tachopteryx thoreyi</i>	Gray Petaltail	G4	S2	SC	
	<i>Aeshna clepsydra</i>	Mottled Darner	G4	S2S3	U	
	<i>Aeshna septentrionalis</i>	Azure Darner	G5	SNR	U	
	<i>Aeshna subarctica</i>	Subarctic Darner	G5	S1	U	
	<i>Anax longipes</i>	Comet Darner	G5	S2	U	
	<i>Rhionaeschna mutata</i>	Spatterdock Darner	G4	S2	U	
	<i>Gomphus abbreviatus</i>	Spine-crowned Clubtail	G3G4	S2S3	U	
	<i>Gomphus fraternus</i>	Midland Clubtail	G5	S1S3	U	
	<i>Gomphus quadricolor</i>	Rapids Clubtail	G3G4	S1S2	U	
	<i>Gomphus rogersi</i>	Sable Clubtail	G4	S1	U	
	<i>Gomphus septima</i>	Septima's Clubtail	G2	S1	SC	
	<i>Gomphus vastus</i>	Cobra Clubtail	G5	SH	U	
	<i>Gomphus ventricosus</i>	Skillet Clubtail	G3	SH	U	
	<i>Gomphus viridifrons</i>	Green-faced Clubtail	G3	S1	U	
	<i>Ophiogomphus anomalus</i>	Extra-striped Snaketail	G4	S1	SC	
	<i>Ophiogomphus aspersus</i>	Brook Snaketail	G3G4	S2	U	
	<i>Ophiogomphus colubrinus</i>	Boreal Snaketail	G5	S1	U	
	<i>Ophiogomphus howei</i>	Pygmy Snaketail	G3	S1	SC	
	<i>Progomphus obscurus</i>	Common Sanddragon	G5	S1	SC	
	<i>Stylurus amnicola</i>	Riverine Clubtail	G4	SH	U	
	<i>Stylurus notatus</i>	Elusive Clubtail	G3	SH	U	
	<i>Stylurus plagiatus</i>	Russet-tipped Clubtail	G5	S1	U	
	<i>Cordulegaster erronea</i>	Tiger Spiketail	G4	S1	U	
	<i>Cordulegaster obliqua</i>	Arrowhead Spiketail	G4	S2S3	U	
	<i>Epitheca semiaquea</i>	Mantled Baskettail	G5	SH	U	
	<i>Somatochlora albicincta</i>	Ringed Emerald	G5	SH	U	
	<i>Somatochlora cingulata</i>	Lake Emerald	G5	S1	U	
	<i>Somatochlora forcipata</i>	Forcipate Emerald	G5	S1	U	
	<i>Somatochlora hineana</i>	Hine's Emerald	G2G3	SNA	U	LE
	<i>Somatochlora incurvata</i>	Incurvate Emerald	G4	S1	U	
	<i>Somatochlora kennedyi</i>	Kennedy's Emerald	G5	SNA	U	
	<i>Somatochlora linearis</i>	Mocha Emerald	G5	S2S3	U	
	<i>Somatochlora minor</i>	Ocellated Emerald	G5	S2S3	U	
	<i>Williamsonia fletcheri</i>	Ebony Boghaunter	G4	S1	U	
	<i>Williamsonia lintneri</i>	Ringed Boghaunter	G3	SH	U	
	<i>Libellula auripennis</i>	Golden-winged Skimmer	G5	S1	U	
	<i>Libellula flavida</i>	Yellow-sided Skimmer	G5	S1	U	
	<i>Libellula needhami</i>	Needham's Skimmer	G5	S2S3	U	
	<i>Sympetrum danae</i>	Black Meadowhawk	G5	S2S3	U	
Stoneflies						
	<i>Allocapnia illinoensis</i>	A Stonefly	G3	SNR	U	

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL STATUS
Insects - Continued						
Stoneflies - Continued						
	<i>Ostrocerca complexa</i>	A Stonefly	G4	SNR	U	
	<i>Alloperla voinae</i>	A Stonefly	G3	SNR	U	
	<i>Alloperla vostoki</i>	A Stonefly	G3	SNR	U	
	<i>Utaperla gaspesiana</i>	A Stonefly	G3	SNR	U	
	<i>Pteronarcys comstocki</i>	A Stonefly	G3	SNR	U	
Beetles, Weevils						
	<i>Cicindela abdominalis</i>	A Tiger Beetle	G4	SH	U	
	<i>Cicindela ancocisconensis</i>	Appalachian Tiger Beetle	G3	S2	U	
	<i>Cicindela dorsalis dorsalis</i>	Northeastern Beach Tiger Beetle	G4T2	SX	T	LT
	<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	G2	S1	U	
	<i>Cicindela patruela consentanea</i>	A Tiger Beetle	G3T1T3	SH	U	
	<i>Cicindela patruela patruela</i>	A Tiger Beetle	G3T3	S1	U	
	<i>Cicindela puritana</i>	Puritan Tiger Beetle	G1G2	SNA	U	LT
	<i>Cicindela unipunctata</i>	A Tiger Beetle	G4	SH	U	
	<i>Hygrotus sylvanus</i>	Sylvan Hygrotus Diving Beetle	GU	S1	U	
	<i>Lordithon niger</i>	Black Lordithon Rove Beetle	GU	SH	U	
	<i>Nicrophorus americanus</i>	American Burying Beetle	G2G3	SH	E	LE
Caddisflies						
	<i>Ceraclea albosticta</i>	A Caddisfly	GH	SH	U	
Butterflies, Skippers, and Moths						
	<i>Synanthedon castaneae</i>	Chestnut Clearwing Moth	G3G5	SH	U	
	<i>Atrytone arogos arogos</i>	Arogos Skipper	G3T1T2	SH	E	
	<i>Atrytonopsis hianna</i>	Dusted Skipper	G4G5	S3	U	
	<i>Calpodus ethlius</i>	Brazilian Skipper	G5	SH	U	
	<i>Erynnis martialis</i>	Mottled Duskywing	G3G4	S1S2	SC	
	<i>Erynnis persius persius</i>	Persius Duskywing	G5T1T3	SH	E	
	<i>Poanes viator viator</i>	Broad-winged Skipper	G5T4	S3	U	
	<i>Pyrgus wyandot</i>	Southern Grizzled Skipper	G1G2Q	SH	E	
	<i>Papilio cresphontes</i>	Giant Swallowtail	G5	SNA	U	
	<i>Euchloe olympia</i>	Olympia Marble	G4G5	S1	SC	
	<i>Pieris virginiensis</i>	West Virginia White	G3G4	S3	U	
	<i>Pontia protodice</i>	Checkered White	G4	SNA	SC	
	<i>Callophrys henrici</i>	Henry's Elfin	G5	S2S3	SC	
	<i>Callophrys hesseli</i>	Hessel's Hairstreak	G3G4	S1	E	
	<i>Callophrys irus</i>	Frosted Elfin	G3	S1S3	T	
	<i>Callophrys lanoraieensis</i>	Bog Elfin	G3G4	S1	U	
	<i>Calycopis cecrops</i>	Red-banded Hairstreak	G5	SU	U	
	<i>Celastrina neglectamajor</i>	Appalachian Azure	G4	S3	U	
	<i>Glaucopteryx lygdamus lygdamus</i>	Silvery Blue	G5T4	SH	U	
	<i>Parrhasius m-album</i>	White-m Hairstreak	G5	SU	U	

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Insects - Continued						
Butterflies, Skippers, and Moths - Continued						
	<i>Plebejus melissa samuelis</i>	Karner Blue	G5T2	S1	E	LE
	<i>Satyrrium edwardsii</i>	Edwards' Hairstreak	G4	S3S4	U	
	<i>Satyrrium favonius ontario</i>	Northern Oak Hairstreak	G4T4	S1S3	U	
	<i>Calephelis borealis</i>	Northern Metalmark	G3G4	SH	U	
	<i>Asterocampa clyton</i>	Tawny Emperor	G5	S3	U	
	<i>Chlosyne gorgone</i>	Gorgone Checkerspot	G5	S1	U	
	<i>Oeneis jutta</i>	Jutta Arctic	G5	S1	U	
	<i>Phyciodes batesii batesii</i>	Tawny Crescent	G4T1	SH	SC	
	<i>Polygonia gracilis</i>	Hoary Comma	G5	S3	U	
	<i>Speyeria idalia</i>	Regal Fritillary	G3	SH	E	
	<i>Monoleuca semifascia</i>	A Slug Moth	G4G5	S1	U	
	<i>Parasa indetermina</i>	Stinging Rose Caterpillar Moth	G4	SH	U	
	<i>Cleora projecta</i>	Projecta Gray	G4	SU	U	
	<i>Digrammia eremiata</i>	Three-lined Angle Moth	G4	SNA	U	
	<i>Erastris coloraria</i>	Broad-lined Catopyrrha	G4	S2S3	U	
	<i>Eubaphe meridiana</i>	The Little Beggar	G4	SH	U	
	<i>Euchlaena madusaria</i>	A Geometrid Moth	G4	S1	U	
	<i>Glena cognataria</i>	Blueberry Gray	G4	S1S3	U	
	<i>Hypomecis buchholzaria</i>	Buchholz's Gray	G3G4	SH	U	
	<i>Hypomecis umbrosaria</i>	Umber Moth	G4	SU	U	
	<i>Itame sp. 1 nr. inextricata</i>	Barrens Itame	G3G4	S1	U	
	<i>Lambdina canitiaria</i>	A Looper Moth	GH	SH	U	
	<i>Leptostales rubromarginaria</i>	Dark-ribboned Wave	GNR	SU	U	
	<i>Lycia ypsilon</i>	Woolly Gray	G4	SH	U	
	<i>Metarranthia apiciaria</i>	Barrens Metarranthia Moth	G1G3	SH	U	
	<i>Nemoria bifilata</i>	A Geometrid Moth	G4	SH	U	
	<i>Nepytia pellucidaria</i>	A Geometrid Moth	GU	SX	U	
	<i>Scopula purata</i>	Chalky White	G4	SNA	U	
	<i>Semiothisa banksianae</i>	A Geometrid Moth	G4	S1	U	
	<i>Semiothisa denticulata</i>	A Geometrid Moth	G4G5	S1	U	
	<i>Semiothisa mellistrigata</i>	Honey-streak	G4G5	SU	U	
	<i>Thysanopyga intractata</i>	Black-dotted Ruddy	G5	SNA	U	
	<i>Tornos scolopacinaris</i>	Dimorphic Gray	G4	SH	U	
	<i>Cicinnus melsheimeri</i>	Melsheimer's Sack Bearer	G4	S1	U	
	<i>Artace cribraria</i>	Dot-lined White	G5	SH	U	
	<i>Anisota senatoria</i>	Orange-striped Oakworm Moth	G5	SU	U	
	<i>Anisota stigma</i>	Spiny Oakworm Moth	G5	SU	U	
	<i>Citheronia regalis</i>	Regal Moth	G4G5	S1	U	
	<i>Citheronia sepulchralis</i>	Pine Devil	G4	S1	U	
	<i>Eacles imperialis imperialis</i>	Imperial Moth	G5T5	SU	U	
	<i>Hemileuca maia maia</i>	Inland Barrens Buckmoth	G5T5	S1	SC	

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Insects - Continued						
Butterflies, Skippers, and Moths - Continued						
	<i>Hemileuca maia ssp. 5</i>	Coastal Barrens Buckmoth	G5T3	S2	SC	
	<i>Hemileuca sp. 1</i>	Bogbean Buckmoth	G1Q	S1	E	
	<i>Hemaris gracilis</i>	Graceful Clearwing	G3G4	SU	U	
	<i>Sphinx gordius</i>	Gordian Sphinx	G4	S1S3	U	
	<i>Datana ranaeiceps</i>	A Hand-maid Moth	G3G4	S1S3	U	
	<i>Heterocampa varia</i>	A Notodontid Moth	G3G4	S1S2	SC	
	<i>Schizura apicalis</i>	Plain Schizura	G2G4	SU	U	
	<i>Cisthene packardii</i>	Packard's Lichen Moth	G5	SU	U	
	<i>Grammia anna</i>	Anna Tiger Moth	G5	SU	U	
	<i>Grammia phyllira</i>	Phyllira Tiger Moth	G4	SH	U	
	<i>Holomelina aurantiaca</i>	Orange Holomelina	G5	SU	U	
	<i>Dasychira pinicola</i>	A Moth	G4	SU	U	
	<i>Orgyia detrita</i>	A Tussock Moth	G3G4	SH	U	
	<i>Abagrotis barnesi</i>	A Noctuid Moth	G5	S1	U	
	<i>Abagrotis nefascia benjamini</i>	Coastal Heathland Cutworm	G4T3	S1S3	U	
	<i>Acronicta albarufa</i>	Barrens Dagger Moth	G3G4	S1	U	
	<i>Agrotis obliqua</i>	A Noctuid Moth	G4	S1	U	
	<i>Amphipoea erepta ryensis</i>	A Noctuid Moth	GUT1Q	S1	U	
	<i>Apamea burgessi</i>	A Noctuid Moth	G4	SU	U	
	<i>Apamea inordinata</i>	A Noctuid Moth	GU	S1	U	
	<i>Apamea mixta</i>	A Noctuid Moth	GU	SH	U	
	<i>Apharetra dentata</i>	Toothed Apharetra	G4	S2S3	U	
	<i>Argyrostromis quadrifilaris</i>	Four-lined Chocolate	G4	SU	U	
	<i>Bagisara rectifascia</i>	Straight Lined Mallow Moth	G4	SU	U	
	<i>Catocala consors sorsconi</i>	The Consort Underwing	G4T2T4	SH	U	
	<i>Catocala dulciola</i>	Quiet or Sweet Underwing	G3	SH	U	
	<i>Catocala herodias gerhardi</i>	Herodias or Pine Barrens Underwing	G3T3	S2S3	SC	
	<i>Catocala jair ssp. 2</i>	Jersey Jair Underwing	G4T4	S1S2	SC	
	<i>Catocala pretiosa pretiosa</i>	Precious Underwing	G4T2	SH	U	
	<i>Catocala umbrosa</i>	An Underwing Moth	G5	SH	U	
	<i>Cerma cora</i>	Bird Dropping Moth	G3G4	S1S3	U	
	<i>Chaetagnathia cerata</i>	A Noctuid Moth	G3G4	S1S2	U	
	<i>Chortodes enervata</i>	A Noctuid Moth	G4	SNA	U	
	<i>Chytonix ruperti</i>	A Noctuid Moth	G2G4Q	S1	U	
	<i>Chytonix sensilis</i>	A Noctuid Moth	G4	S1S3	U	
	<i>Derrima stellata</i>	Pink Star Moth	G4	SNA	U	
	<i>Dichagyris (Loxagrotis) acclivis</i>	A Noctuid Moth	G4G5	S2S3	U	
	<i>Drasteria adumbrata</i>	A Noctuid Moth	G4	S1S2	U	
	<i>Eucoptocnemis fimbriaris</i>	A Noctuid Moth	G4	S1	U	
	<i>Euxoa lidia thanatologia</i>	A Noctuid Moth	G5T5	SH	U	
	<i>Euxoa pleuritica</i>	A Noctuid Moth	G4	S2S3	U	
	<i>Euxoa violaris</i>	Violet Dart	G4	SU	U	

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Insects - Continued						
Butterflies, Skippers, and Moths - Continued						
	<i>Fagitana littera</i>	A Noctuid Moth	G4	S2S3	U	
	<i>Faronta rubripennis</i>	The Pink Streak	G3G4	SU	U	
	<i>Fishia enthea</i>	A Noctuid Moth	G4	SH	U	
	<i>Hydraecia stramentosa</i>	A Noctuid Moth	G4	S1S3	U	
	<i>Hyperstrotia flaviguttata</i>	Yellow-spotted Graylet	G4	SU	U	
	<i>Lepipolys perscripta</i>	A Moth	G4	S1	U	
	<i>Lithophane lepida lepida</i>	A Noctuid Moth	G4T3T4Q	S1	E	
	<i>Lithophane thaxteri</i>	Thaxter's Pinion Moth	G4	SU	U	
	<i>Lithophane viridipallens</i>	Pale Green Pinion Moth	G4	S1	U	
	<i>Macrochilo bivittata</i>	A Noctuid Moth	G3G4	SU	U	
	<i>Merolonche dolli</i>	Doll's Merolonche	G3G4	SH	U	
	<i>Metalectra richardsi</i>	Richard's Fungus Moth	G4	SU	U	
	<i>Metalectra tantillus</i>	Black Fungus Moth	G4	SH	U	
	<i>Morrisonia mucens</i>	Gray Woodgrain	G4G5	S1S3	U	
	<i>Oligia bridghami</i>	Bridgham's Brocade	G4	SU	U	
	<i>Ommatostola lintneri</i>	A Noctuid Moth	G4	SU	U	
	<i>Oncocnemis riparia</i>	A Noctuid Moth	G4	SU	U	
	<i>Orthodes obscura</i>	A Notodontid Moth	G4	S1?	U	
	<i>Paectes abrostolella</i>	A Notodontid Moth	G4	S1	U	
	<i>Papaipema aerata</i>	A Borer Moth	GH	SH	U	
	<i>Papaipema appassioanata</i>	Pitcher Plant Borer Moth	G4	SU	U	
	<i>Papaipema astuta</i>	Yellow Stoneroot Borer	G2G4	SH	U	
	<i>Papaipema aweme</i>	Aweme Borer Moth	G1	SH	U	
	<i>Papaipema cerina</i>	Golden Borer Moth	G4	SH	U	
	<i>Papaipema duovata</i>	Seaside Golden Borer Moth	G4	SH	U	
	<i>Papaipema harrisii</i>	Heracleum Stem Borer Moth	G4	SH	U	
	<i>Papaipema marginidens</i>	A Borer Moth	G4	SH	U	
	<i>Papaipema maritima</i>	Maritime Sunflower Borer Moth	G3	SH	U	
	<i>Papaipema sciata</i>	Culvers Root Borer	G3G4	SH	U	
	<i>Papaipema sp. 2 nr. pterisii</i>	Ostrich Fern Borer Moth	G3G4	S1?	U	
	<i>Papaipema stenocelis</i>	Chain Fern Borer Moth	G4	S1?	U	
	<i>Psaphida thaxteriana</i>	A Noctuid Moth	G4	SH	U	
	<i>Psectraglaea carnosia</i>	Pink Sallow	G3	S2	U	
	<i>Pyreferra ceromatica</i>	Anointed Sallow Moth	GU	SX	U	
	<i>Renia nemoralis</i>	Chocolate Renia	G4	SU	U	
	<i>Rhodoecia aurantiago</i>	Aureolaria Seed Borer	G4	SU	U	
	<i>Schinia bifascia</i>	A Noctuid Moth	G4	S1	U	
	<i>Schinia spinosae</i>	A Noctuid Moth	G4	SU	U	
	<i>Schinia tuberculum</i>	Golden Aster Flower Moth	G4	S2	U	
	<i>Sericaglaea signata</i>	Variable Sallow	G5	SH	U	
	<i>Spartiniphaga inops</i>	Spartina Borer Moth	G2G4	SU	U	
	<i>Thioptera nigrofimbria</i>	Black-bordered Lemon Moth	G5	SH	U	
	<i>Trichoclea artesta</i>	Hairy Artesta	G5	S1S3	U	
	<i>Xestia (Pachnobia) homogena</i>	A Noctuid Moth	G4	S1S2	U	
	<i>Xylena thoracica</i>	Acadian Swordgrass Moth	G4	S1S2	U	

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Insects - Continued						
Butterflies, Skippers, and Moths - Continued						
	<i>Zale curema</i>	A Noctuid Moth	G3G4	SU	U	
	<i>Zale largera</i>	A Noctuid Moth	G4	S1	U	
	<i>Zale sp. 1 nr. lunifera</i>	Pine Barrens Zale	G3G4	SU	U	
	<i>Zanclognatha martha</i>	Pine Barrens Zanclognatha	G4	S1S2	U	

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CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL LISTING
Mammals						
Carnivores						
	<i>Canis lupus</i>	Gray Wolf	G4	SX	E	LE
	<i>Lynx canadensis</i>	Canada Lynx	G5	SX	T	LT
Whales and Dolphins						
	<i>Balaenoptera acutorostrata</i>	Minke Whale	G5	SNRN	U	
	<i>Delphinapterus leucas</i>	Beluga	G4	SNA	U	
	<i>Phocoena phocoena</i>	Harbor Porpoise	G4G5	S4	SC	
	<i>Kogia breviceps</i>	Pygmy Sperm Whale	G4	SNRN	U	
	<i>Mesoplodon densirostris</i>	Blainsville's Beaked Whale	G4	SU	U	
	<i>Mesoplodon europaeus</i>	Gervais's Beaked Whale	G3	SU	U	
	<i>Mesoplodon mirus</i>	True's Beaked Whale	G3	SU	U	
	<i>Ziphius cavirostris</i>	Cuvier's Beaked Whale	G4	SU	U	
Even-toed Ungulates						
	<i>Alces americanus</i>	Moose	G5	SU	G	
Rodents						
	<i>Sciurus niger</i>	Eastern Fox Squirrel	G5	S3	G	
Birds						
Waterfowl						
	<i>Bucephala clangula</i>	Common Goldeneye	G5	S2	G	
Pelicans and Cormorants						
	<i>Phalacrocorax auritus</i>	Double-crested Cormorant	G5	S3	P	
Herons, Ibises, and Storks						
	<i>Botaurus lentiginosus</i>	American Bittern	G4	S4	SC	
	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	G5	S3	P	
Raptors						
	<i>Accipiter cooperii</i>	Cooper's Hawk	G5	S4	SC	
	<i>Accipiter gentilis</i>	Northern Goshawk	G5	S4B,S3N	SC	
	<i>Accipiter striatus</i>	Sharp-shinned Hawk	G5	S4	SC	
	<i>Buteo lineatus</i>	Red-shouldered Hawk	G5	S4B	SC	
	<i>Pandion haliaetus</i>	Osprey	G5	S4B	SC	
	<i>Falco columbarius</i>	Merlin	G5	SNA	P	
Rails and Cranes						
	<i>Rallus longirostris</i>	Clapper Rail	G5	S3	P	
Gulls, Plovers, and Shorebirds						
	<i>Haematopus palliatus</i>	American Oystercatcher	G5	S3	P	
Owls						
	<i>Aegolius acadicus</i>	Northern Saw-whet Owl	G5	S3	P	

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Birds - Continued						
Owls - Continued						
	<i>Asio otus</i>	Long-eared Owl	G5	S3	P	
Nightbirds						
	<i>Caprimulgus vociferus</i>	Whip-poor-will	G5	S4	SC	
	<i>Chordeiles minor</i>	Common Nighthawk	G5	S4	SC	
Woodpeckers						
	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	G5	S4	SC	
	<i>Picoides arcticus</i>	Black-backed Woodpecker	G5	S3	P	
Perching Birds						
	<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	G5	S3	P	
	<i>Empidonax virescens</i>	Acadian Flycatcher	G5	S3	P	
	<i>Vireo philadelphicus</i>	Philadelphia Vireo	G5	S3	P	
	<i>Perisoreus canadensis</i>	Gray Jay	G5	S3	P	
	<i>Eremophila alpestris</i>	Horned Lark	G5	S5	SC	
	<i>Poecile hudsonica</i>	Boreal Chickadee	G5	S3	P	
	<i>Catharus minimus</i>	Gray-cheeked Thrush	G5	SNA	P	
	<i>Dendroica cerulea</i>	Cerulean Warbler	G4	S4B	SC	
	<i>Dendroica striata</i>	Blackpoll Warbler	G5	S3	P	
	<i>Icteria virens</i>	Yellow-breasted Chat	G5	S3	SC	
	<i>Parula americana</i>	Northern Parula	G5	S3S4	P	
	<i>Vermivora chrysoptera</i>	Golden-winged Warbler	G4	S4	SC	
	<i>Ammodramus caudacutus</i>	Saltmarsh Sharp-tailed Sparrow	G4	S3	P	
	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	S4	SC	
	<i>Poocetes gramineus</i>	Vesper Sparrow	G5	S5	SC	
	<i>Passerina caerulea</i>	Blue Grosbeak	G5	SNA	P	
	<i>Euphagus carolinus</i>	Rusty Blackbird	G4	S3	P	
	<i>Loxia curvirostra</i>	Red Crossbill	G5	S3	P	
	<i>Loxia leucoptera</i>	White-winged Crossbill	G5	S2S3	P	
Reptiles						
Lizards, Snakes and Amphisbaenians						
	<i>Eumeces fasciatus</i>	Five-lined Skink	G5	S3	G	
	<i>Heterodon platirhinos</i>	Eastern Hognose Snake	G5	S3	SC	
	<i>Thamnophis brachystoma</i>	Shorthead Garter Snake	G4	S3	G	
	<i>Agkistrodon contortrix</i>	Copperhead	G5	S3	G	
Turtles						
Turtles						
	<i>Clemmys guttata</i>	Spotted Turtle	G5	S3	SC	

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Turtles - Continued						
Turtles - Continued						
	<i>Glyptemys insculpta</i>	Wood Turtle	G4	S3	SC	
	<i>Graptemys geographica</i>	Common Map Turtle	G5	S3	G	
	<i>Malaclemys terrapin</i>	Diamondback Terrapin	G4	S3	G	
	<i>Terrapene carolina</i>	Eastern Box Turtle	G5	S3	SC	
Amphibians						
Salamanders						
	<i>Ambystoma opacum</i>	Marbled Salamander	G5	S3	SC	
	<i>Plethodon wehrlei</i>	Wehrle's Salamander	G4	S3	G	
Ray-finned Fishes						
Gars						
	<i>Lepisosteus osseus</i>	Longnose Gar	G5	S3	U	
Eels						
	<i>Anguilla rostrata</i>	American Eel	G4	S3	U	
Anchovies and Herrings						
	<i>Anchoa mitchilli</i>	Bay Anchovy	G5	S3	U	
	<i>Alosa aestivalis</i>	Blueback Herring	G5	S3	U	
	<i>Dorosoma cepedianum</i>	Gizzard Shad	G5	S3	U	
Minnows and Suckers						
	<i>Clinostomus elongatus</i>	Redside Dace	G4	S3	U	
	<i>Couesius plumbeus</i>	Lake Chub	G5	S3	U	
	<i>Cyprinella analostana</i>	Satinfin Shiner	G5	S3	U	
	<i>Luxilus chrysocephalus</i>	Striped Shiner	G5	S3	U	
	<i>Nocomis biguttatus</i>	Hornyhead Chub	G5	S3	U	
	<i>Notropis amoenus</i>	Comely Shiner	G5	S3	U	
	<i>Notropis dorsalis</i>	Bigmouth Shiner	G5	S3	U	
	<i>Notropis heterolepis</i>	Blacknose Shiner	G4	S3	U	
	<i>Notropis stramineus</i>	Sand Shiner	G5	S3	U	
	<i>Notropis volucellus</i>	Mimic Shiner	G5	S3	U	
	<i>Phoxinus neogaeus</i>	Finescale Dace	G5	S3	U	
	<i>Catostomus catostomus</i>	Longnose Sucker	G5	S3	U	
	<i>Moxostoma anisurum</i>	Silver Redhorse	G5	S3	U	
	<i>Moxostoma erythrurum</i>	Golden Redhorse	G5	S3	U	
Catfishes						
	<i>Noturus flavus</i>	Stonecat	G5	S3	U	
	<i>Noturus gyrinus</i>	Tadpole Madtom	G5	S3	U	
Mudminnows and Pikes						
	<i>Umbra pygmaea</i>	Eastern Mudminnow	G5	S3	U	
Salmon and Trout						
	<i>Coregonus artedii</i>	Cisco or Lake Herring	G5	S3	U	

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Ray-finned Fishes - Continued						
Salmon and Trout - Continued						
	<i>Salmo salar</i>	Atlantic Salmon	G5	S3	P	
Perches						
	<i>Percopsis omiscomaycus</i>	Trout-perch	G5	S3	U	
Cods						
	<i>Lota lota</i>	Burbot	G5	S3	U	
	<i>Microgadus tomcod</i>	Atlantic Tomcod	G5	S3	U	
Silersides						
	<i>Labidesthes sicculus</i>	Brook Silverside	G5	S3	U	
Killfishes						
	<i>Fundulus heteroclitus</i>	Mummichog	G5	S3	U	
Pipefishes and Sticklebacks						
	<i>Culaea inconstans</i>	Brook Stickleback	G5	S3	U	
	<i>Gasterosteus wheatlandi</i>	Blackspotted Stickleback	G5	SU	U	
	<i>Pungitius pungitius</i>	Ninespine Stickleback	G5	SU	U	
	<i>Hippocampus erectus</i>	Lined Seahorse	GNR	SU	U	
	<i>Syngnathus fuscus</i>	Northern Pipefish	G5	S3	U	
Sculpins and Scorpion Fishes						
	<i>Myoxocephalus aeneus</i>	Grubby	G5	S3	U	
Perch-like Fishes						
	<i>Enneacanthus gloriosus</i>	Bluespotted Sunfish	G5	S3	U	
	<i>Lepomis auritus</i>	Redbreast Sunfish	G5	S3	U	
	<i>Lepomis cyanellus</i>	Green Sunfish	G5	S3	U	
	<i>Etheostoma blennioides</i>	Greenside Darter	G5	S3	U	
	<i>Etheostoma caeruleum</i>	Rainbow Darter	G5	S3	U	
	<i>Etheostoma zonale</i>	Banded Darter	G5	S3	U	
	<i>Percina caprodes</i>	Logperch	G5	S3	U	
	<i>Percina maculata</i>	Blackside Darter	G5	S3	U	
	<i>Percina peltata</i>	Shield Darter	G5	S3	U	
	<i>Gobiosoma bosc</i>	Naked Goby	G5	SU	U	
	<i>Gobiosoma ginsburgi</i>	Seaboard Goby	GNR	SU	U	
Flatfishes, Flounders, and Soles						
	<i>Pseudopleuronectes americanus</i>	Winter Flounder	G5	S3?	P	
	<i>Trinectes maculatus</i>	Hogchoker	G5	S3	U	
Lampreys						
Lampreys						
	<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	G5	S3	U	
	<i>Lampetra appendix</i>	American Brook Lamprey	G4	S3	U	

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Gastropods						
<i>Neotaenioglossa</i>						
	<i>Elimia virginica</i>	Piedmont Elimia	G5	S3	U	
	<i>Pleurocera acuta</i>	Sharp Hornsnail	G5	S3	U	
	<i>Birgella subglobosus</i>	Globe Siltsnail	G4	S3	U	
	<i>Pomatiopsis lapidaria</i>	Slender Walker	G5	S3	U	
<i>Basommatophora</i>						
	<i>Fossaria exigua</i>	Graceful Fossaria	G5Q	S3	U	
	<i>Fossaria parva</i>	Pygmy Fossaria	G5	S3	U	
	<i>Fossaria rustica</i>	A Fossaria Snail	G5Q	S3	U	
	<i>Lymnaea stagnalis</i>	Swamp Lymnaea	G5	S3	U	
	<i>Physa skinneri</i>	Glass Physa	G5	SU	U	
	<i>Physa vernalis</i>	Vernal Physa	G3	SNR	U	
Bivalves						
<i>Freshwater Mussels</i>						
	<i>Elliptio dilatata</i>	Spike	G5	S3S4	U	
	<i>Lasmigona compressa</i>	Creek Heelsplitter	G5	S3S4	U	
	<i>Pyganodon lacustris</i>	Lake Floater	GU	SU	U	
Insects						
<i>Dragonflies and Damselflies</i>						
	<i>Calopteryx amata</i>	Superb Jewelwing	G4	S3	U	
	<i>Hetaerina americana</i>	American Rubyspot	G5	S3	U	
	<i>Argia apicalis</i>	Blue-fronted Dancer	G5	S3	U	
	<i>Argia translata</i>	Dusky Dancer	G5	S3	U	
	<i>Coenagrion interrogatum</i>	Subarctic Bluet	G5	S1S3	U	
	<i>Enallagma durum</i>	Big Bluet	G5	S3	U	
	<i>Enallagma vernale</i>	A Bluet Damselfly	G4	SU	U	
	<i>Ischnura hastata</i>	Citrine Forktail	G5	S3	U	
	<i>Ischnura kellicotti</i>	Lilypad Forktail	G5	S3	U	
	<i>Nasiaeschna pentacantha</i>	Cyrano Darner	G5	S3	U	
	<i>Gomphus adelphus</i>	Mustached Clubtail	G4	S3S4	U	
	<i>Gomphus desertus</i>	Harpoon Clubtail	G4	S3S4	U	
	<i>Lanthus parvulus</i>	Northern Pygmy Clubtail	G4	S3S4	U	
	<i>Lanthus vernalis</i>	Southern Pygmy Clubtail	G4	SU	U	
	<i>Ophiogomphus mainensis</i>	Maine Snaketail	G4	S3	U	
	<i>Stylurus scudderii</i>	Zebra Clubtail	G4	S3	U	
	<i>Stylurus spiniceps</i>	Arrow Clubtail	G5	S3	U	
	<i>Neurocordulia obsoleta</i>	Umber Shadowdragon	G5	SU	U	
	<i>Neurocordulia yamaskanensis</i>	Stygian Shadowdragon	G5	SU	U	
	<i>Somatochlora walshii</i>	Brush-tipped Emerald	G5	S3	U	
	<i>Celithemis martha</i>	Martha's Pennant	G4	S3	U	

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Insects - Continued						
Dragonflies and Damselflies - Continued						
	<i>Celithemis monomelaena</i>	Black Spotted Skimmer	G5	S3	U	
	<i>Libellula axilena</i>	Bar-winged Skimmer	G5	SNA	U	
	<i>Sympetrum rubicundulum</i>	Ruby Meadowhawk	G5	S3	U	
Beetles, Weevils						
	<i>Cicindela hirticollis</i>	Beach-dune Tiger Beetle	G5	S3	U	
	<i>Cicindela lepida</i>	Little White Tiger Beetle	G3G4	S3	U	
	<i>Cicindela marginata</i>	Salt Marsh Tiger Beetle	G5	S3	U	
	<i>Cicindela rufiventris</i>	A Tiger Beetle	G5	S3	U	
	<i>Cicindela scutellaris rugifrons</i>	Smooth Tiger Beetle	G5T5	S3	U	
Butterflies, Skippers, and Moths						
	<i>Euphyes dion</i>	Dion Skipper	G4	S3	U	
	<i>Anthocharis midea</i>	Falcate Orangetip	G4G5	S3S4	U	
	<i>Colias interior</i>	Pink-edged Sulphur	G5	S3S4	U	
	<i>Atlides halesus</i>	Great Purple Hairstreak	G5	SNA	U	
	<i>Asterocampa celtis</i>	Hackberry Emperor	G5	S3S4	U	
	<i>Lagoa crispata</i>	Black-waved Flannel Moth	G5	SU	U	
	<i>Parasa chloris</i>	Smaller Parasa	G4	SU	U	
	<i>Eumacaria latiferrugata</i>	Brown-bordered Geometer	G4	S2S4	U	
	<i>Hydriomena pluviata</i>	Sharp Green Hydriomena	G4	SU	U	
	<i>Idaea productata</i>	A Geometrid Moth	G4	SU	U	
	<i>Nepytia sp. 1</i>	Dusky Mid-summer Nepytia	G4G5	SU	U	
	<i>Paleacrita merriccata</i>	Spring Canker Moth	G4	SU	U	
	<i>Eacles imperialis pini</i>	Imperial Moth	G5T3T4	SNR	U	
	<i>Sphinx drupiferarum</i>	Wild Cherry Sphinx	G4	SU	U	
	<i>Cycnia inopinatus</i>	Unexpected Cycnia	G4	SNA	U	
	<i>Grammia celia</i>	A Tiger Moth	G5	S3	U	
	<i>Agrotis stigmata</i>	A Noctuid Moth	G4	SU	U	
	<i>Apamea relicina</i>	A Noctuid Moth	G4	SU	U	
	<i>Aplectoides condita</i>	A Noctuid Moth	G4	S3S4	U	
	<i>Cucullia speyeri</i>	Speyer's Cucullia	G4	SU	U	
	<i>Doryodes grandipennis</i>	A Noctuid Moth	G4	SU	U	
	<i>Drasteria graphica atlantica</i>	Atlantic Graphic Moth	G4T4	SU	U	
	<i>Isogona tenuis</i>	Thin-lined Owlet	G4	SNA	U	
	<i>Leucania extincta flabilis</i>	A Noctuid Moth	G4T4	SNA	U	
	<i>Lithophane lemmeri</i>	Lemmer's Noctuid Moth	G3G4	SNA	U	
	<i>Metaxaglaea semitaria</i>	Footpath Sallow Moth	G5	SU	U	
	<i>Metaxaglaea violacea</i>	Holly Sallow	G5	SNA	U	
	<i>Mocis texana</i>	Texas Mocis	G5	SU	U	
	<i>Panthea sp. 1</i>	A Moth	G4	S3	U	

New York Natural Heritage Program Rare Animal Status List - Watch List Species

CLASS/ Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FEDERAL LISTING
Insects - Continued						
Butterflies, Skippers, and Moths - Continued						
	<i>Phoberia orthosioides</i>	A Noctuid Moth	G4	S2S3	U	
	<i>Schinia septentrionalis</i>	Northern Flower Moth	G3G4	SU	U	
	<i>Sideridis maryx</i>	The Maroonwing	G4	S2S3	U	
	<i>Trichosilia manifesta</i>	A Noctuid Moth	G4	SU	U	
	<i>Xylotype capax</i>	Barrens Xylotype	G4	S3S4	U	
	<i>Zale squamularis</i>	Gray-banded Zale	G4	S3S4	U	

OFFICE USE ONLY

SURVEYSITE: _____
 FILE QUADCODE: _ _ _ _ _
 FILE QUADNAME: _____
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rev. 7/24/2001

NATURAL HERITAGE REPORTING FORM**New York Natural Heritage Program****New York State Dept. of Environmental Conservation****625 Broadway, 5th Floor****Albany, NY 12233-4757****(518) 402-8935**

We Need Your Help. If you have information on the location of a rare plant, rare animal or ecological community and would like to help us build the Natural Heritage inventory, please complete the form below. -
Thank you!

INSTRUCTIONS:

1. Complete this form for **first hand field observations only**. Please mail fully completed form to the above address.
2. **DO NOT COMPLETE THIS FORM** if the source of your information is a report, letter, conversation or other document. Send us the documentation.
3. Rare birds: complete this form only for observations during the breeding season or at large concentration areas during migration or in winter.
4. Attach a copy of a map (USGS 1:24,000 topographic map preferred) and mark the location of the rare species or community & its boundary (if known).
 Note, you may print copies of topo maps from the Internet at <http://www.topozone.com>. Please use 1:24,000 or 1:25,000 scale only.

SOURCE OF YOUR INFORMATION: (check one of the following)

- ☐ Firsthand field observation Does the identification need to be confirmed? ☐ yes ☐ no
☐ Other: Please do not complete this form; send us a copy of the documentation instead. If source is a conversation with someone, send us a note.

FORM COMPLETED BY:

Date:

phone:

IDENTIFICATION

Complete **only one form per rare plant, animal or ecological community per site**. If you need a list of rare species/communities we are tracking, contact our office.

Name of the rare plant, animal or ecological community:

Last Date Observed:

First Date Observed: month:

Observer (name, phone# and address if known) :

LOCATION:

Site name (local or place name):

Directions (describe in detail the precise location of the species or community; include nearby landmarks, street names and mileages):

County:

Town:

Name of USGS 7.5' topo (if known):

OBSERVATION DATA:Animals: Indicate the number of adults, juveniles, nests, etc.Plants: Indicate 1) the number of flowering plants and/or sterile stems and 2) the number of separate plant groupsEcological communities: Indicate 1) the percent cover of tree, shrub and herb layers and 2) the percent cover of dominant plants in each layer.**SIZE:** Please indicate the estimated size of the area occupied by the animal, plant or community): _____ acres or _____ sq. metersIf the area occupied is long, narrow and less than 12.5 meters wide, please indicate: Length: _____ (meters) Width: _____ (meters)

HABITAT DESCRIPTION: Write a word picture of the habitat where the species or community is found. Include ecological communities, dominants, associated species, substrates, soils, aspect, slope, hydrology, etc.

LANDOWNER (name, addresses and phone numbers if available):

LANDSCAPE (describe the current landscape surrounding the plant, animal or community (i.e., farmland, residential, pristine forest, etc.)

CURRENT AND POTENTIAL THREATS:

MANAGEMENT NEEDS:

SPECIMEN: Was a specimen taken? ___yes ___no. If yes, indicate the collection # and repository: _____

PHOTOGRAPH: Was a photo taken? ___yes ___no. If yes: ___slide ___print ___digital. If possible, please send us a copy of the photo.

Is a copy included with the form? ___yes ___no

COMMENTS:

HABITAT MAP: Please draw a sketch of the site and habitat showing the location of the species or ecological community which are not apparent on the topo map. Show nearby landmarks, the route taken, streets, landmarks, disturbances, scale, and north. Use an additional sheet of paper if needed.