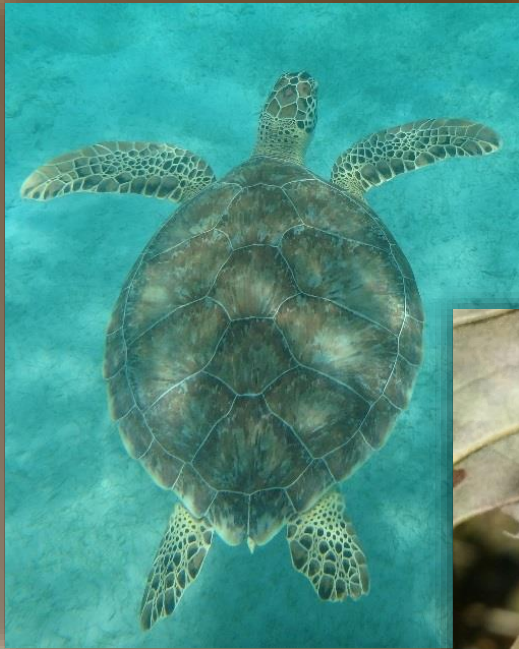




# Rare Animal Status List

October 2017



## New York Natural Heritage Program

A Partnership between the SUNY College of Environmental Science and Forestry and the NYS Department of Environmental Conservation

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## New York Natural Heritage Program

Established in 1985, the New York Natural Heritage Program (NYNHP) is a program of the State University of New York College of Environmental Science and Forestry (SUNY ESF). Our mission is to facilitate 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. The Program is funded by grants and contracts from government agencies whose missions involve natural resource management, private organizations involved in land protection and stewardship, and both government and private organizations interested in advancing the conservation of biodiversity.

NY Natural Heritage is housed within NYS DEC's Division of Fish, Wildlife & Marine Resources. The program is staffed by more than 25 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 181 natural community types, 850 rare plant species, and 481 rare animal species and assemblages across New York, keeping track of more than 13,800 locations where these important elements of biodiversity have been recorded. 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 addition to tracking recorded locations, NY Natural Heritage has developed models of the areas around these locations important for conserving biodiversity, and models of the distribution of suitable habitat for rare species across New York State.

NY Natural Heritage also houses iMapInvasives, an online tool for invasive species reporting and data management.

NY Natural Heritage has developed two notable online resources: [Conservation Guides](#) include the biology, identification, habitat, and management of many of New York's rare species and natural community types; and [NY Nature Explorer](#) lists species and communities in a specified area of interest.

The program is an active participant in the NatureServe Network – an international network of biodiversity data centers overseen by a Washington D.C. based non-profit organization. There are currently Natural Heritage Programs or Conservation Data Centers in all 50 states and several interstate regions. There are also 10 programs in Canada, and many participating organizations across 12 Latin and South American Countries. Our collaboration with NatureServe and other states helps us put our information into a broader context. With NatureServe, we track the rarity of species and natural communities at global and state scales, allowing us to distinguish conservation priorities for species with just a few populations in the world to other species with a few populations in New York but many populations elsewhere. We can also pool our data to look across state and international lines. For example, New York data on rare species and natural communities along Lake Ontario have been combined with similar data from Canada to facilitate analyses of potential consequences of lake-level changes. New York information has also been combined with data from neighboring states to help us understand the significance of our best biodiversity sites relative to similar systems in southeastern Canada, New England, the Mid-Atlantic states, and other Great Lakes states.

Learn more at [www.nynhp.org](http://www.nynhp.org).

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

[www.nynhp.org](http://www.nynhp.org)

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

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To report sightings of rare species online, visit [www.nynhp.org/report-rare](http://www.nynhp.org/report-rare)

Cover photos (from top to bottom and left to right): Humpback Whales (*Megaptera novaeangliae*), Atlantic Coast Leopard Frog (*Rana kauffeldi*), Green Sea Turtle (*Chelonia mydas*; Leah J. Akins), Inland Barrens Buck Moth (*Hemileuca maia*), Bog Turtle (*Glyptemys mublenbergii*), Timber Rattlesnake (*Crotalus horridus*), Mocha Emerald (*Somatochlora linearis*). All photos by Matthew D. Schlesinger except as noted.

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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 over the years in consultation with the Department of Environmental Conservation's Endangered Species and Nongame Units, NatureServe ([www.natureserve.org](http://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](http://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, turtles<sup>1</sup>, 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. 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.

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. See <http://www.dec.ny.gov/animals/7494.html> for all state-listed animals.

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 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.

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<sup>1</sup> Note that in currently accepted taxonomy, turtles are distinct from reptiles.

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

Federal legal listings are identified with the following codes:

- E** listed endangered
- T** listed threatened
- C** candidate

Another state designation is Species of Greatest Conservation Need (SGCN), which was developed as part of the state's wildlife action plan. In the following list, SGCN are coded as follows:

- Y** SGCN
- Y-H** High-priority SGCN
- P** Species of Potential Conservation Need

See <http://www.dec.ny.gov/animals/9406.html> for a list of the state's SGCN and definitions of the three categories.

## **GLOBAL AND SUBNATIONAL CONSERVATION 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, population trends, and threats. Like those in all state Natural Heritage Programs, NY Natural Heritage's ranking system assesses rarity at two geographic scales: global and state. The global rank (G-rank) reflects the status of a species or community throughout its range, whereas the subnational rank (S-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 subnational 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' rank throughout its range.

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

- G1, S1 Critically Imperiled**—Critically imperiled globally or in the state/province because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extinction or extirpation from the state/province.
  - G2, S2 Imperiled**—Imperiled globally or in the state/province because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to global extinction or extirpation from the state/province.
  - G3, S3 Vulnerable**—Vulnerable globally or in the state/province due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.
  - G4, S4 Apparently Secure**—Uncommon but not rare; some cause for long-term concern due to declines or other factors.
  - G5, S5 Secure**—Common, widespread, and abundant globally or in the state/province.
- G#G#, S#S#**  
**Range Rank**—A numeric range rank (e.g., S2S3) is used to indicate any range of uncertainty about the status of the species or community. Ranges cannot skip more than one rank (e.g., SU is used rather than S1S4).

There are some additional codes:

- GX, SX Presumed Extinct or Extirpated**—Species is believed to be extinct in the wild (GX) or extirpated from the state/province (SX). Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
- GH, SH Possibly Extinct or Extirpated (Historical)**—Species or community occurred historically in the state/province, and there is some possibility that it may be rediscovered. Its presence may not have been verified in the past 20-40 years. A species or community could become SH without such a 20-40-year delay if the only known occurrences in a the state/province were destroyed or if it had been extensively and unsuccessfully looked for. The SH rank is reserved for species for which some effort has been made to relocate occurrences, rather than simply using this status for all elements not known from verified extant occurrences.
- GU, SU Unrankable**—Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
- SNA Not Applicable**—A conservation status rank is not applicable because the species is not a suitable target for conservation activities.
- SNR Unranked**—State/province conservation status not yet assessed.

Codes sometimes have qualifiers attached:

**T1, T2, etc.**

These ranks, which like global and subnational ranks run from 1 (most imperiled) to 5 (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

**?** **Inexact or Uncertain**—Denotes inexact or uncertain numeric rank. (The ? qualifies the character immediately preceding it in the S-rank.)

**N** **Nonbreeding**—Conservation status refers to the non-breeding population of the species in the nation or state/province.

**B** **Breeding**—Conservation status refers to the breeding population of the species in the nation or state/province.

### Examples of ranks

Global	State	Example	Explanation
<b>G5</b>	<b>S2</b>	Devil Crawfish	Common rangewide (G5), imperiled in NY (S2)
<b>G3</b>	<b>S2</b>	Bog Turtle	Uncommon rangewide (G3), imperiled in NY (S2)
<b>G5</b>	<b>S1S2</b>	Swamp Darter	Common rangewide (G5), uncertain whether critically imperiled (S1) or imperiled (S2) in NY
<b>G5</b>	<b>S1S3</b>	Watercress Snail	Common rangewide, uncertain whether critically imperiled (S1), imperiled (S2), or uncommon (S3) in NY
<b>GH</b>	<b>SX</b>	Shortnose Cisco	Historical rangewide (GH), extirpated from NY (SX)
<b>GU</b>	<b>SH</b>	Black Lordithon Rove Beetle	Insufficient information for ranking the species' rangewide status (GU), historical in NY (SH)
<b>G4</b>	<b>S1?</b>	Chain Fern Borer Moth	Apparently secure rangewide (G4), appears to be critically imperiled in NY (S1) but more information is needed (?)
<b>G1G2</b>	<b>S1</b>	Dwarf Wedgemussel	Somewhere between critically imperiled (G1) and imperiled (G2) rangewide, critically imperiled in NY (S1)
<b>G3G4</b>	<b>S1S3</b>	Bird Dropping Moth	Uncertain whether uncommon (G3) or apparently secure (G4) rangewide, uncertain whether critically imperiled (S1), imperiled (S2), or uncommon (S3) in NY
<b>G5T2</b>	<b>S1</b>	Karner Blue Butterfly	The species is secure (G5) but the subspecies is imperiled rangewide (T2), the subspecies is critically imperiled in NY (S1)
<b>G4T2T4</b>	<b>SH</b>	The Consort Underwing	The species is apparently secure (G4) but the subspecies is either imperiled (T2), uncommon (T3), or apparently secure (T4) rangewide, the subspecies is historical in NY (SH)
<b>G1Q</b>	<b>S1</b>	Bogbean Buckmoth	Critically imperiled rangewide (G1) but the species is in taxonomic dispute (Q), critically imperiled in NY (S1)



<b>G5</b>	<b>S3B,S1N</b>	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)
<b>G5</b>	<b>S2S3B,S2N</b>	Bald Eagle	Common rangewide (G5), breeding populations (B) are either imperiled (S2) or uncommon (S3) in NY, while non-breeding birds (N) are imperiled in NY

## HERITAGE-TRACKED SPECIES






































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 (nearly all S1 and S2 species, and some S3 species), but that have not gone through the review process necessary for state listing.

Our 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. The lists are dynamic, as S-ranks change with unearthed historical information, field inventories reveal new populations or local extirpations, and state and federal listings are updated. Further, we are assessing the conservation status of new species groups, such as many marine taxa and insect pollinators, through ongoing projects that will undoubtedly add species to our lists.

NY Natural Heritage currently tracks 474 animal species (plus six animal assemblages, which are extraordinarily rare, diverse, or abundant aggregations of multiple animal species). The balance of species among taxonomic groups reflects both the degree of imperilment of various taxa and the level of available knowledge about different groups.





























































	Active Inventory List	Watch List
Mammals	17	12
Birds	53	48
Reptiles	15	9
Amphibians	6	4
Fish	59	50
Freshwater Snails	14	10
Freshwater Mussels	38	3
Other Non-insect Invertebrates	5	0
Dragonflies and Damselflies	65	34
Beetles	15	4
Butterflies and Skippers	29	5
Moths	123	29
Other Insects	35	0
<b>Total</b>	<b>474</b>	<b>208</b>

## New York Natural Heritage Program Rare Animal Status - Active Inventory List

CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
<b>Mammals</b>								
<b>Rodents</b>								
	<i>Neotoma magister</i>	Allegheny Woodrat	G3G4	S1	E		Y-H	 
<b>Rabbits and Hares</b>								
	<i>Sylvilagus transitionalis</i>	New England Cottontail	G3	S1S2	SC		Y-H	 
<b>Shrews and Moles</b>								
	<i>Cryptotis parva</i>	Least Shrew	G5	SH			P	
<b>Bats</b>								
	<i>Lasionycteris noctivagans</i>	Silver-haired Bat	G3G4	S2S3B			Y	 
	<i>Myotis leibii</i>	Eastern Small-footed Myotis	G4	S1S3	SC		Y	 
	<i>Myotis septentrionalis</i>	Northern Long-eared Bat	G1G2	S1	T	T	Y-H	 
	<i>Myotis sodalis</i>	Indiana Bat	G2	S1	E	E	Y-H	 
	<i>Perimyotis subflavus</i>	Tri-colored Bat	G2G3	S1			Y-H	 
<b>Carnivores</b>								
	<i>Puma concolor cougar</i>	Eastern Cougar	G5THQ	SX	E	E		
	<i>Mustela nivalis</i>	Least Weasel	G5	S1			P	
<b>Whales, Dolphins, and Porpoises</b>								
	<i>Eubalaena glacialis</i>	Northern Right Whale	G1	SNA	E	E	Y-H	
	<i>Balaenoptera borealis</i>	Sei Whale	G3	SNA	E	E	Y-H	
	<i>Balaenoptera musculus</i>	Blue Whale	G3G4	SNA	E	E	Y-H	
	<i>Balaenoptera physalus</i>	Fin Whale	G3G4	S1	E	E	Y-H	
	<i>Megaptera novaeangliae</i>	Humpback Whale	G4	SNA	E	E	Y	
	<i>Tursiops truncatus</i>	Bottlenose Dolphin	G5	S3				
	<i>Physeter macrocephalus</i>	Sperm Whale	G3G4	SNA	E	E	Y-H	
<b>Birds</b>								
<b>Waterfowl</b>								
	<i>Cygnus buccinator</i>	Trumpeter Swan	G4	S1B				
	<i>Histrionicus histrionicus</i>	Harlequin Duck	G4	S1N			Y	
	<i>Oxyura jamaicensis</i>	Ruddy Duck	G5	S1			Y	
	<i>Somateria mollissima</i>	Common Eider	G5	S1B,S3?N			Y	
<b>Fowls and Gallinaceous Birds</b>								
	<i>Falciptennis canadensis</i>	Spruce Grouse	G5	S2	E		Y-H	
<b>Grebes</b>								
	<i>Podilymbus podiceps</i>	Pied-billed Grebe	G5	S3B,S1N	T		Y	 
<b>Nightbirds</b>								
	<i>Antrostomus carolinensis</i>	Chuck-will's-widow	G5	S1B				 
	<i>Antrostomus vociferus</i>	Whip-poor-will	G5	S3B	SC		Y-H	
	<i>Chordeiles minor</i>	Common Nighthawk	G5	S2S3B	SC		Y-H	
<b>Rails and Cranes</b>								
	<i>Laterallus jamaicensis</i>	Black Rail	G3G4	S1B	E		Y-H	 
















































# New York Natural Heritage Program

## Rare Animal Status - Active Inventory List

CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
Birds - Continued								
Rails and Cranes - Continued								
	<i>Rallus crepitans</i>	Clapper Rail	G5	S2S3				 
	<i>Rallus elegans</i>	King Rail	G4	S1B	T		Y-H	 
	<i>Grus canadensis</i>	Sandhill Crane	G5	S1B				
Gulls, Plovers, and Shorebirds								
	<i>Charadrius melodus</i>	Piping Plover	G3	S3B	E	E,T	Y-H	 
	<i>Bartramia longicauda</i>	Upland Sandpiper	G5	S3B	T		Y-H	 
	<i>Chlidonias niger</i>	Black Tern	G4	S2B	E		Y-H	 
	<i>Gelochelidon nilotica</i>	Gull-billed Tern	G5	S1			Y	 
	<i>Hydroprogne caspia</i>	Caspian Tern	G5	S1			Y	 
	<i>Leucophaeus atricilla</i>	Laughing Gull	G5	S1			Y	 
	<i>Rynchops niger</i>	Black Skimmer	G5	S2	SC		Y-H	 
	<i>Sterna dougallii</i>	Roseate Tern	G4	S1B	E	E	Y-H	 
	<i>Sterna forsteri</i>	Forster's Tern	G5	S1			Y	 
	<i>Sterna hirundo</i>	Common Tern	G5	S3B	T		Y	 
	<i>Sternula antillarum</i>	Least Tern	G4	S3B	T		Y	 
Loons								
	<i>Gavia immer</i>	Common Loon	G5	S4	SC		Y	 
Pelicans and Cormorants								
	<i>Ardea herodias</i> (large rookeries only)	Great Blue Heron	G5	S5				 
	<i>Bubulcus ibis</i>	Cattle Egret	G5	S2			Y-H	 
	<i>Egretta caerulea</i>	Little Blue Heron	G5	S2			Y	 
	<i>Egretta thula</i>	Snowy Egret	G5	S2S3			Y	 
	<i>Egretta tricolor</i>	Tricolored Heron	G5	S2			Y	 
	<i>Ixobrychus exilis</i>	Least Bittern	G5	S3B,S1N	T		Y	 
	<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	G5	S2			Y	 
	<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S2			Y	 
Hawks, Kites, Eagles and allies								
	<i>Aquila chrysaetos</i>	Golden Eagle	G5	SHB,S1N	E		Y	 
	<i>Circus cyaneus</i>	Northern Harrier	G5	S3B,S3N	T		Y	 
	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S2S3B,S2N	T		Y	 
Owls								
	<i>Tyto alba</i>	Barn Owl	G5	S1S2			Y-H	 
	<i>Asio flammeus</i>	Short-eared Owl	G5	S2	E		Y-H	 
Woodpeckers								
	<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	G5	S2?B	SC		Y-H	 
	<i>Picoides dorsalis</i>	American Three-toed Woodpecker	G5	S2			Y-H	
Raptors								
	<i>Falco peregrinus</i>	Peregrine Falcon	G4	S3B	E		Y	 






































# New York Natural Heritage Program

## Rare Animal Status - Active Inventory List

CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
Birds - Continued								
Perching Birds								
	<i>Ammodramus henslowii</i>	Henslow's Sparrow	G4	S3B	T		Y-H	 
	<i>Ammodramus maritimus</i>	Seaside Sparrow	G4	S2S3B	SC		Y-H	 
	<i>Icteria virens</i>	Yellow-breasted Chat	G5	S2?B	SC		Y-H	
	<i>Lanius ludovicianus</i>	Loggerhead Shrike	G4	S1B	E		Y-H	
	<i>Cistothorus platensis</i>	Sedge Wren	G5	S3B	T		Y-H	 
	<i>Catharus bicknelli</i>	Bicknell's Thrush	G4	S2S3B	SC		Y-H	 
	<i>Geothlypis formosa</i>	Kentucky Warbler	G5	S2B			Y-H	 
	<i>Oreothlypis peregrina</i>	Tennessee Warbler	G5	S2B			P	
	<i>Protonotaria citrea</i>	Prothonotary Warbler	G5	S2B			Y-H	 
	<i>Setophaga castanea</i>	Bay-breasted Warbler	G5	S2B			Y-H	
	<i>Setophaga tigrina</i>	Cape May Warbler	G5	S2B			Y-H	
	<i>Euphagus carolinus</i>	Rusty Blackbird	G4	S2B			Y-H	
Reptiles								
Lizards and Snakes								
	<i>Sceloporus undulatus</i>	Fence Lizard	G5	S1	T		Y	 
	<i>Plestiodon anthracinus</i>	Coal Skink	G5	S2S3			Y	
	<i>Carphophis amoenus</i>	Eastern Wormsnake	G5	S2	SC		Y	 
	<i>Regina septemvittata</i>	Queen Snake	G5	S1	E		Y-H	
	<i>Crotalus horridus</i>	Timber Rattlesnake	G4	S3	T		Y-H	 
	<i>Sistrurus catenatus catenatus</i>	Eastern Massasauga	G3	S1	E	C	Y-H	
Turtles								
Turtles								
	<i>Caretta caretta</i>	Loggerhead	G3	S1N	T	T	Y-H	
	<i>Chelonia mydas</i>	Green Turtle	G3	S1N	T	T	Y-H	
	<i>Eretmochelys imbricata</i>	Hawksbill Sea Turtle	G3	SNA	E	E		
	<i>Lepidochelys kempii</i>	Kemp's or Atlantic Ridley	G1	S1N	E	E	Y-H	
	<i>Dermochelys coriacea</i>	Leatherback	G2	S1N	E	E	Y-H	
	<i>Emydoidea blandingii</i>	Blanding's Turtle	G4	S2S3	T		Y-H	 
	<i>Glyptemys muhlenbergii</i>	Bog Turtle	G3	S2	E	T	Y-H	 
	<i>Kinosternon subrubrum</i>	Eastern Mud Turtle	G5	S1	E		Y-H	 
	<i>Apalone spinifera</i>	Spiny Softshell	G5	S2S3	SC		Y-H	
Amphibians								
Frogs and Toads								
	<i>Acris crepitans</i>	Northern Cricket Frog	G5	S1	E		Y-H	 
	<i>Lithobates kauffeldi</i>	Atlantic Coast Leopard Frog	G3G4	S1S2			Y-H	 
	<i>Scaphiopus holbrookii</i>	Eastern Spadefoot	G5	S2S3	SC		Y	 
Salamanders								
	<i>Ambystoma tigrinum</i>	Tiger Salamander	G5	S1S2	E		Y-H	 








































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Amphibians - Continued								
Salamanders - Continued								
	<i>Cryptobranchus alleganiensis</i>	Hellbender	G3G4	S2	SC		Y-H	
	<i>Eurycea longicauda</i>	Longtail Salamander	G5	S2S3	SC		Y-H	 
Ray-finned Fishes								
Paddlefishes, Spoonfishes, and Sturgeons								
	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	G3	S1	E	E	Y	 
	<i>Acipenser fulvescens</i>	Lake Sturgeon	G3G4	S2S3	T		Y	
	<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	G3	S1		E	Y-H	 
	<i>Polyodon spathula</i>	Paddlefish	G4	SX			Y-H	
Gars								
	<i>Lepisosteus platostomus</i>	Shortnose Gar	G5	SX				
Mooneyes								
	<i>Hiodon tergisus</i>	Mooneye	G5	S2	T		Y-H	
Anchovies and Herrings								
	<i>Alosa mediocris</i>	Hickory Shad	G4	S2				
Minnows and Suckers								
	<i>Chrosomus neogaeus</i>	Finescale Dace	G5	S2S3				
	<i>Couesius plumbeus</i>	Lake Chub	G5	S2S3			Y	
	<i>Ericymba buccata</i>	Silverjaw Minnow	G5	S2				
	<i>Erimystax dissimilis</i>	Streamline Chub	G4	S1	SC			
	<i>Erimystax x-punctatus</i>	Gravel Chub	G4	SH	T			
	<i>Exoglossum laurae</i>	Tonguetied Minnow	G4	S2			Y	
	<i>Hybognathus hankinsoni</i>	Brassy Minnow	G5	S2				
	<i>Hybopsis amblops</i>	Bigeye Chub	G5	S1S2			Y-H	
	<i>Lythrurus umbratilis</i>	Redfin Shiner	G5	S1S2	SC		Y	
	<i>Macrhybopsis storeriana</i>	Silver Chub	G5	SH	E			
	<i>Notropis amoenus</i>	Comely Shiner	G5	S2?			Y-H	
	<i>Notropis anogenus</i>	Pugnose Shiner	G3	S1S2	E		Y	
	<i>Notropis bifrenatus</i>	Bridle Shiner	G3	S2?			Y	
	<i>Notropis chalybaeus</i>	Ironcolor Shiner	G4	S1	SC		Y	
	<i>Notropis dorsalis</i>	Bigmouth Shiner	G5	S2			Y	
	<i>Notropis heterodon</i>	Blackchin Shiner	G5	S1			Y	 
	<i>Notropis heterolepis</i>	Blacknose Shiner	G5	S2S3			Y	 
	<i>Notropis photogenis</i>	Silver Shiner	G5	S2				
	<i>Notropis procne</i>	Swallowtail Shiner	G5	S2			Y-H	
	<i>Catostomus utawana</i>	Summer Sucker	G2G3	S2			Y-H	
	<i>Erimyzon sucetta</i>	Lake Chubsucker	G5	SH	T			
	<i>Moxostoma carinatum</i>	River Redhorse	G4	S1			Y-H	
	<i>Moxostoma duquesnei</i>	Black Redhorse	G5	S2	SC		Y	










































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Ray-finned Fishes - Continued								
Catfishes								
	<i>Ameiurus melas</i>	Black Bullhead	G5	S1			Y	
Salmon and Trout								
	<i>Coregonus hoyi</i>	Bloater	G4	SX			Y-H	
	<i>Coregonus kiyi</i>	Kiyi	G3G4	SX				
	<i>Coregonus reighardi</i>	Shortnose Cisco	GH	SX				
	<i>Coregonus zenithicus</i>	Shortjaw Cisco	G3	SX				
	<i>Prosopium cylindraceum</i>	Round Whitefish	G5	S1S2	E		Y	
Perches								
	<i>Aphredoderus sayanus gibbosus</i>	Western Pirate Perch	G5T5	S1			Y	
	<i>Aphredoderus sayanus sayanus</i>	Eastern Pirate Perch	G5T5	S1S2				
Silversides								
	<i>Menidia beryllina</i>	Inland Silverside	G5	S2S3			Y	 
	<i>Menidia menidia</i>	Atlantic Silverside	G5	S2S3			Y	 
Needlefishes								
	<i>Strongylura marina</i>	Atlantic Needlefish	G5	S2S3				 
Killfishes								
	<i>Fundulus luciae</i>	Spotfin Killfish	G4	S1			Y	
Sculpins and Scorpion Fishes								
	<i>Cottus ricei</i>	Spoonhead Sculpin	G5	SH	E			
	<i>Myoxocephalus thompsonii</i>	Deepwater Sculpin	G5	S1	E		Y	
Perch-like Fishes								
	<i>Acantharchus pomotis</i>	Mud Sunfish	G4G5	SH	T			
	<i>Enneacanthus obesus</i>	Banded Sunfish	G5	S1	T		Y	 
	<i>Lepomis peltastes</i>	Northern Sunfish	G5	S1	T		Y-H	 
	<i>Ammocrypta pellucida</i>	Eastern Sand Darter	G4	S2S3	T		Y	 
	<i>Etheostoma camurum</i>	Bluebreast Darter	G4	S1	E		Y-H	 
	<i>Etheostoma exile</i>	Iowa Darter	G5	S2			Y	 
	<i>Etheostoma fusiforme</i>	Swamp Darter	G5	S1	T		Y	 
	<i>Etheostoma maculatum</i>	Spotted Darter	G2G3	S1	T		Y-H	
	<i>Etheostoma variatum</i>	Variagate Darter	G5	S2				
	<i>Percina evides</i>	Gilt Darter	G4	SH	E		Y-H	
	<i>Percina macrocephala</i>	Longhead Darter	G3	S2	T			
	<i>Sander canadensis</i>	Sauger	G5	S1			Y-H	
Lampreys								
Lampreys								
	<i>Ichthyomyzon bdellium</i>	Ohio Lamprey	G3G4	S2			Y	
	<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	G4	S2				 
	<i>Ichthyomyzon greeleyi</i>	Mountain Brook Lamprey	G4	S1	SC		Y	
Gastropods								



































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Gastropods - Continued								
Neotaenioglossa								
	<i>Cincinnatia integra</i>	Campeloma Spire Snail	G5	S1			P	
	<i>Fontigens nickliniana</i>	Watercress Snail	G5	S1S3			P	 
	<i>Gillia altilis</i>	Buffalo Pebblesnail	G5	S1	SC		P	
	<i>Lyogyrus walkeri</i>	Canadian Dusksnail	G4	SNR			P	
	<i>Marstonia letsoni</i>	Gravel Pyrg	GU	SH			P	
Heterostropha								
	<i>Valvata lewisi</i>	Fringed Valvata	G5	S1	SC		P	
	<i>Valvata perdepressa</i>	Purplecap Valvata	G2G3	SNA			P	
	<i>Valvata sincera</i>	Mossy Valvata	G5	S1	SC		P	 
Basommatophora								
	<i>Acella haldemani</i>	Spindle Lymnaea	G3	SNR			P	
	<i>Fossaria cyclostoma</i>	Bugle Fossaria	GH	SNR				
	<i>Stagnicola woodruffi</i>	Coldwater Pondsnailed	G2G3Q	SNR			P	
	<i>Aplexa elongata</i>	Lance Aplexa	G5	S2			P	 
	<i>Physella vinosa</i>	Banded Physa	GU	S1			P	
	<i>Planorbella pilsbryi</i>	File Rams-horn	G4G5Q	SH			P	
Stylommatophora								
	<i>Novisuccinea chittenangoensis</i>	Chittenango Ovate Amber Snail	G1	S1	E	T	Y-H	
Bivalves								
Freshwater Mussels								
	<i>Margaritifera margaritifera</i>	Eastern Pearlshell	G4	S2			Y	 
	<i>Actinonaias ligamentina</i>	Mucket	G5	S1S2			Y	
	<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	G1G2	S1	E	E	Y-H	 
	<i>Alasmidonta varicosa</i>	Brook Floater	G3	S1	T		Y-H	 
	<i>Alasmidonta viridis</i>	Slippershell Mussel	G4G5	S1S2			Y-H	
	<i>Amblema plicata</i>	Threeridge	G5	S1			Y	
	<i>Anodonta implicata</i>	Alewife Floater	G5	S1S2			Y-H	 
	<i>Epioblasma torulosa rangiana</i>	Northern Riffleshell	G2T2	SNA		E		
	<i>Epioblasma triquetra</i>	Snuffbox	G3	SH				
	<i>Fusconaia flava</i>	Wabash Pigtoe	G5	S2			Y-H	
	<i>Lampsilis abrupta</i>	Pink Mucket	G2	SH	E	E		
	<i>Lampsilis cariosa</i>	Yellow Lampmussel	G3G4	S3			Y	 
	<i>Lampsilis fasciola</i>	Wavyrayed Lampmussel	G5	S1	T		Y-H	
	<i>Lampsilis ovata</i>	Pocketbook	G5	S2S3			Y	
	<i>Lampsilis teres</i>	Yellow Sandshell	G5	SH				
	<i>Lasmigona complanata</i>	White Heelsplitter	G5	SH				
	<i>Lasmigona subviridis</i>	Green Floater	G3	S1S2	T		Y-H	
	<i>Leptodea fragilis</i>	Fragile Papershell	G5	S3				

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CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
<b>Bivalves - Continued</b>								
<b>Freshwater Mussels - Continued</b>								
	<i>Leptodea ochracea</i>	Tidewater Mucket	G3G4	S1			Y-H	
	<i>Ligumia nasuta</i>	Eastern Pondmussel	G4	S2S3			Y	 
	<i>Ligumia recta</i>	Black Sandshell	G4G5	S2S3			Y-H	 
	<i>Obovaria olivaria</i>	Hickorynut	G4	S1			P	
	<i>Obovaria subrotunda</i>	Round Hickorynut	G4	SH				
	<i>Pleurobema clava</i>	Clubshell	G1G2	S1	E	E	Y-H	
	<i>Pleurobema sintoxia</i>	Round Pigtoe	G4G5	S1			Y	
	<i>Potamilus alatus</i>	Pink Heelsplitter	G5	S2S3			Y	
	<i>Potamilus capax</i>	Fat Pocketbook	G2	SH	E	E		
	<i>Potamilus ohioensis</i>	Pink Papershell	G5	SNA				
	<i>Ptychobranthus fasciolaris</i>	Kidneyshell	G4G5	S2			Y	
	<i>Quadrula pustulosa</i>	Pimpleback	G5	SH				
	<i>Quadrula quadrula</i>	Mapleleaf	G5	SH				
	<i>Simpsonaias ambigua</i>	Salamander Mussel	G3	SH				
	<i>Toxolasma parvum</i>	Lilliput	G5	S1			Y	
	<i>Truncilla donaciformis</i>	Fawnsfoot	G5	SH				
	<i>Truncilla truncata</i>	Deertoe	G5	S1			Y-H	
	<i>Utterbackia imbecillis</i>	Paper Pondshell	G5	S1			Y	
	<i>Villosa fabalis</i>	Rayed Bean	G2	S1	E	C	Y-H	
	<i>Villosa iris</i>	Rainbow	G5Q	S2S3			Y-H	
<b>Malacostracans</b>								
<b>Amphipods</b>								
	<i>Stygobromus allegheniensis</i>	Allegheny Cave Amphipod	G5	SNR				
	<i>Stygobromus borealis</i>	Taconic Cave Amphipod	G2G3	SNR				
	<i>Stygobromus tenuis tenuis</i>	Piedmont Groundwater Amphipod	G4T4	SNR			P	
<b>Decapods</b>								
	<i>Cambarus diogenes</i>	Devil Crawfish	G5	S2			P	
<b>Insects</b>								
<b>Mayflies</b>								
	<i>Ameletus tertius</i>		G4	SNR			P	
	<i>Baetis rusticans</i>		G2G3	SNR			P	
	<i>Dannella provonshai</i>		G3G4	SNR			Y	
	<i>Epeorus punctatus</i>		G2G3	SNR			Y	
	<i>Epeorus suffusus</i>		G1Q	SNR			Y	
	<i>Eurylophella bicoloroides</i>		G3	SNR			P	
	<i>Heptagenia culacantha</i>		G2G3	SNR				
	<i>Heptagenia julia</i>		G4	SNR				

























































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Insects - Continued								
Mayflies - Continued								
	<i>Nixe rusticalis</i>		G5	SNR			P	
	<i>Procloeon mendax</i>		G4	SNR			P	
	<i>Procloeon ozburni</i>		G2G4	SNR			P	
	<i>Procloeon simile</i>		G3G4	SNR			P	
	<i>Procloeon vicinum</i>		G2G3	SNR			P	
	<i>Rhithrogena anomala</i>		G3G4	SNR			P	
	<i>Rhithrogena uhari</i>		G3G4	SNR				
	<i>Siphonisca aerodromia</i>	Tomah Mayfly	G2G3	S1	E		Y-H	
	<i>Siphonurus barbaroides</i>		G3	SNR			Y	
	<i>Siphonurus barbarus</i>		G1G3	SNR			Y	
	<i>Sparbarus maculatus</i>		G5	SNR				
Dragonflies and Damselflies								
	<i>Calopteryx angustipennis</i>	Appalachian Jewelwing	G4	SH				
	<i>Calopteryx dimidiata</i>	Sparkling Jewelwing	G5	SH				
	<i>Lestes australis</i>	Southern Spreadwing	G5	S2S3			P	
	<i>Lestes unguiculatus</i>	Lyre-tipped Spreadwing	G5	S2S3			Y	
	<i>Argia bipunctulata</i>	Seepage Dancer	G4	SH				
	<i>Argia translata</i>	Dusky Dancer	G5	S1			Y	
	<i>Coenagrion interrogatum</i>	Subarctic Bluet	G5	S1			P	
	<i>Enallagma doubledayi</i>	Atlantic Bluet	G5	S1S2			Y	
	<i>Enallagma laterale</i>	New England Bluet	G3G4	S3			Y	
	<i>Enallagma minusculum</i>	Little Bluet	G4	S1	T		Y-H	
	<i>Enallagma pictum</i>	Scarlet Bluet	G3	S2	T		Y-H	
	<i>Enallagma recurvatum</i>	Pine Barrens Bluet	G3	S1	T		Y-H	
	<i>Enallagma weewa</i>	Blackwater Bluet	G5	S1			Y	
	<i>Ischnura ramburii</i>	Rambur's Forktail	G5	S2S3			Y	
	<i>Nehalennia integricollis</i>	Southern Sprite	G5	S1	SC		Y	
	<i>Tachopteryx thoreyi</i>	Gray Petaltail	G4	S2	SC		Y-H	
	<i>Aeshna septentrionalis</i>	Azure Darner	G5	SNR				
	<i>Aeshna sitchensis</i>	Zigzag Darner	G5	S1				
	<i>Aeshna subarctica</i>	Subarctic Darner	G5	S1			P	
	<i>Anax longipes</i>	Comet Darner	G5	S2S3			Y	
	<i>Nasiaeschna pentacantha</i>	Cyrano Darner	G5	S2S3			Y	
	<i>Rhionaeschna mutata</i>	Spatterdock Darner	G4	S2			Y	
	<i>Arigomphus cornutus</i>	Horned Clubtail	G4	S1			Y	
	<i>Gomphus fraternus</i>	Midland Clubtail	G5	S3			Y	
	<i>Gomphus abbreviatus</i>	Spine-crowned Clubtail	G4	S1			Y	












































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Insects - Continued								
Dragonflies and Damselflies - Continued								
	<i>Gomphus quadricolor</i>	Rapids Clubtail	G3G4	S3			Y	 
	<i>Gomphus rogersi</i>	Sable Clubtail	G4	S1			Y-H	 
	<i>Gomphus septima delawarensis</i>	Delaware River Clubtail	G2T1	S1	SC		Y-H	 
	<i>Gomphus vastus</i>	Cobra Clubtail	G5	S1			P	
	<i>Gomphus ventricosus</i>	Skillet Clubtail	G3	S1			Y-H	
	<i>Gomphus viridifrons</i>	Green-faced Clubtail	G3G4	S1			Y-H	 
	<i>Lanthus vernalis</i>	Southern Pygmy Clubtail	G4	S1			P	 
	<i>Ophiogomphus anomalus</i>	Extra-striped Snaketail	G4	S2S3	SC		Y	 
	<i>Ophiogomphus aspersus</i>	Brook Snaketail	G4	S3			Y	 
	<i>Ophiogomphus colubrinus</i>	Boreal Snaketail	G5	S1			Y-H	
	<i>Ophiogomphus howei</i>	Pygmy Snaketail	G3	S1	SC		Y-H	
	<i>Progomphus obscurus</i>	Common Sanddragon	G5	S1	SC		Y	 
	<i>Stylurus amnicola</i>	Riverine Clubtail	G4	SH				
	<i>Stylurus notatus</i>	Elusive Clubtail	G3	SH				
	<i>Stylurus plagiatus</i>	Russet-tipped Clubtail	G5	S1			Y	 
	<i>Cordulegaster erronea</i>	Tiger Spiketail	G4	S1			Y-H	 
	<i>Cordulegaster obliqua</i>	Arrowhead Spiketail	G4	S3			Y	 
	<i>Epitheca semiaquea</i>	Mantled Baskettail	G5	S2			Y	 
	<i>Neurocordulia michaeli</i>	Broad-tailed Shadowdragon	G3G4	S1			P	 
	<i>Neurocordulia obsoleta</i>	Umber Shadowdragon	G5	S1			Y	
	<i>Somatochlora albicincta</i>	Ringed Emerald	G5	SH				
	<i>Somatochlora cingulata</i>	Lake Emerald	G5	S1			P	
	<i>Somatochlora forcipata</i>	Forcipate Emerald	G5	S1			P	
	<i>Somatochlora franklini</i>	Delicate Emerald	G5	S1			P	
	<i>Somatochlora hineana</i>	Hine's Emerald	G2G3	SNA		E		
	<i>Somatochlora incurvata</i>	Incurvate Emerald	G4	S1			P	 
	<i>Somatochlora kennedyi</i>	Kennedy's Emerald	G5	S1S2				
	<i>Somatochlora linearis</i>	Mocha Emerald	G5	S2S3			Y	 
	<i>Somatochlora minor</i>	Ocellated Emerald	G5	S2S3			P	
	<i>Williamsonia fletcheri</i>	Ebony Boghaunter	G4	S1			P	 
	<i>Williamsonia lintneri</i>	Ringed Boghaunter	G3	SH				
	<i>Brachymesia gravida</i>	Four-spotted Pennant	G5	S1			Y	
	<i>Celithemis martha</i>	Martha's Pennant	G4	S2				
	<i>Celithemis verna</i>	Double-ringed Pennant	G5	S1			Y	
	<i>Erythrodiplax berenice</i>	Seaside Dragonlet	G5	S2			Y	
	<i>Ladona deplanata</i>	Blue Corporal	G5	S2S3				
	<i>Libellula auripennis</i>	Golden-winged Skimmer	G5	S1S2				 



























































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Insects - Continued								
Dragonflies and Damselflies - Continued								
	<i>Libellula flavida</i>	Yellow-sided Skimmer	G5	S1			P	 
	<i>Libellula needhami</i>	Needham's Skimmer	G5	S3			Y	 
	<i>Sympetrum danae</i>	Black Meadowhawk	G5	S2S3			P	
Stoneflies								
	<i>Allocapnia illinoensis</i>	Illinois Stonefly	G3	SNR			Y	
	<i>Ostrocerca complexa</i>	Notched Forestfly	G4	SNR				
	<i>Alloperla voinae</i>	Lawrence Sallfly	G3	SNR			P	
	<i>Alloperla vostoki</i>	Scotia Sallfly	G3	SNR			P	
	<i>Utaperla gaspesiana</i>	Gaspe Sallfly	G3	SNR			P	
	<i>Pteronarcys comstocki</i>	Spiny Salmonfly	G3	SNR			P	
Beetles, Weevils								
	<i>Cicindela abdominalis</i>	Eastern Pinebarrens Tiger Beetle	G3G4	SH				
	<i>Cicindela ancocisconensis</i>	Appalachian Tiger Beetle	G3	S2			Y-H	 
	<i>Cicindela dorsalis dorsalis</i>	Northeastern Beach Tiger Beetle	G3G4T2	SX	T	T		
	<i>Cicindela hirticollis</i>	Hairy-necked Tiger Beetle	G5	S1S2			Y-H	 
	<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	G2	S1			Y-H	
	<i>Cicindela patruela consentanea</i>	New Jersey Pine Barrens Tiger Beetle	G3T1T3	SH				
	<i>Cicindela patruela patruela</i>	Northern Barrens Tiger Beetle	G3T3	S1			Y-H	 
	<i>Cicindela puritana</i>	Puritan Tiger Beetle	G1G2	SNA		T		
	<i>Cicindela unipunctata</i>	One-spotted Tiger Beetle	G4G5	SH			P	
	<i>Hygrotus sylvanus</i>	Sylvan Hygrotus Diving Beetle	GU	S1			P	
	<i>Nicrophorus americanus</i>	American Burying Beetle	G2G3	SH	E	E		
	<i>Lordithon niger</i>	Black Lordithon Rove Beetle	GU	S1				
	<i>Adalia bipunctata</i>	Two-spotted Lady Beetle	GNR	S2			Y-H	 
	<i>Coccinella novemnotata</i>	Nine-spotted Lady Beetle	G2	S1			Y-H	 
	<i>Coccinella trifasciata</i>	Three-banded Lady Beetle	GNR	S2S3			Y-H	 
Caddisflies								
	<i>Ceraclea albosticta</i>	A Caddisfly	GH	SH				
Butterflies, Skippers, and Moths								
	<i>Synanthedon castaneae</i>	Chestnut Clearwing Moth	G3G5	SH				
	<i>Atrytone arogos arogos</i>	Arogos Skipper	G3T1T2	SH	E			
	<i>Atrytonopsis hianna</i>	Dusted Skipper	G4G5	S2S3				 
	<i>Calpododes ethlius</i>	Brazilian Skipper	G5	SH				
	<i>Erynnis martialis</i>	Mottled Duskywing	G3	S1	SC		Y-H	 
	<i>Erynnis persius persius</i>	Persius Duskywing	G5T1T3	S1	E		Y-H	
	<i>Poanes viator viator</i>	Broad-winged Skipper	G5T4	S3				
	<i>Pyrgus wyandot</i>	Southern Grizzled Skipper	G1G2Q	SH	E		Y-H	






















































# New York Natural Heritage Program

## Rare Animal Status - Active Inventory List

CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
Insects - Continued								
Butterflies, Skippers, and Moths - Continued								
	<i>Papilio cresphontes</i>	Giant Swallowtail	G5	SNA				
	<i>Euchloe olympia</i>	Olympia Marble	G5	S1	SC		P	 
	<i>Pieris virginiensis</i>	West Virginia White	G3?	S3				 
	<i>Pontia protodice</i>	Checkered White	G5	S1	SC		Y	 
	<i>Callophrys henrici</i>	Henry's Elfin	G5	S1	SC		Y-H	 
	<i>Callophrys hesseli</i>	Hessel's Hairstreak	G3G4	S1	E		Y-H	 
	<i>Callophrys irus</i>	Frosted Elfin	G3	S1S2	T		Y-H	 
	<i>Callophrys lanoraieensis</i>	Bog Elfin	G3G4	S1				
	<i>Calycopis cecrops</i>	Red-banded Hairstreak	G5	SU				 
	<i>Celastrina neglectamajor</i>	Appalachian Azure	G4	S1S3				 
	<i>Glaucopsyche lygdamus lygdamus</i>	Silvery Blue	G5T3T4	SH				
	<i>Parrhasius m-album</i>	White-m Hairstreak	G5	SU				 
	<i>Plebejus melissa samuelis</i>	Karner Blue	G5T2	S1	E	E	Y-H	 
	<i>Satyrium edwardsii</i>	Edwards' Hairstreak	G5	S3S4				 
	<i>Satyrium favonius ontario</i>	Northern Oak Hairstreak	G4G5T4	S2S4			Y-H	 
	<i>Calephelis borealis</i>	Northern Metalmark	G3G4	S1			Y-H	 
	<i>Asterocampa clyton</i>	Tawny Emperor	G5	S2S4				 
	<i>Chlosyne gorgone</i>	Gorgone Checkerspot	G5	S1			P	
	<i>Oeneis jutta</i>	Jutta Arctic	G5	S1			Y	
	<i>Phyciodes batesii batesii</i>	Tawny Crescent	G4G5T1	SH	SC			
	<i>Polygonia gracilis</i>	Hoary Comma	G5	S3				
	<i>Speyeria idalia</i>	Regal Fritillary	G3	SH	E			
	<i>Monoleuca semifascia</i>	Pin-striped Slug Moth	G4G5	S1			P	 
	<i>Parasa indetermina</i>	Stinging Rose Caterpillar Moth	G4	S1			P	 
	<i>Apodrepanulatrix liberaria</i>	A Geometer Moth	G3	S1S2				
	<i>Cleora projecta</i>	Projecta Gray	G4	SU				 
	<i>Digrammia denticulata</i>	A Geometrid Moth	G4	S1			P	
	<i>Digrammia eremiata</i>	Three-lined Angle Moth	G4	SNA				
	<i>Digrammia mellistrigata</i>	Honey-streak	G4G5	SU				
	<i>Erastria coloraria</i>	Broad-lined Catopyrrha	G3G4	S1S2				 
	<i>Eubaphe meridiana</i>	The Little Beggar	G4	SH				
	<i>Euchlaena madusaria</i>	A Geometrid Moth	G4	S1			P	 
	<i>Glena cognataria</i>	Blueberry Gray	G4	S1S3			P	 
	<i>Hypomecis buchholzaria</i>	Buchholz's Gray	G3G4	SH				
	<i>Hypomecis umbrosaria</i>	Umber Moth	G4	SU				 
	<i>Ilexia intractata</i>	Black-dotted Ruddy	GNR	S1				 































































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Insects - Continued								
Butterflies, Skippers, and Moths - Continued								
	<i>Leptostales rubromarginaria</i>	Dark-ribboned Wave	GNR	SU				
	<i>Lycia ypsilon</i>	Woolly Gray	G4	SH				
	<i>Macaria marmorata</i>	Jack Pine Looper	G5	S1			P	 
	<i>Metarranthis apiciaria</i>	Barrens Metarranthis Moth	G1G3	SH				
	<i>Nemoria bifilata</i>	A Geometrid Moth	G4	SH				
	<i>Nepytia pellucidaria</i>	A Geometrid Moth	GU	S1				
	<i>Scopula purata</i>	Chalky White	G4	SNA				
	<i>Speranza exonerata</i>	Barrens Itame	G3G4	S1S3			P	 
	<i>Stenoporpia polygrammaria</i>	Faded Gray Geometer	GU	S1				
	<i>Tornos scolopacinaria</i>	Dimorphic Gray	G4?	SH				
	<i>Cicinnus melsheimeri</i>	Melsheimer's Sack Bearer	G4	S1			Y	 
	<i>Artace cribraria</i>	Dot-lined White	G5	SH				
	<i>Anisota senatoria</i>	Orange-striped Oakworm Moth	G5	SU				
	<i>Anisota stigma</i>	Spiny Oakworm Moth	G5	SU				 
	<i>Citheronia regalis</i>	Regal Moth	G4G5	S1			Y	 
	<i>Citheronia sepulcralis</i>	Pine Devil	G4G5	S1				 
	<i>Eacles imperialis imperialis</i>	Imperial Moth	G5T5	SU				 
	<i>Hemileuca maia maia</i>	Inland Barrens Buckmoth	G5T5	S1S2	SC		Y	 
	<i>Hemileuca maia</i> ssp. 5	Coastal Barrens Buckmoth	G5T3	S2	SC			 
	<i>Hemileuca</i> sp. 1	Bogbean Buckmoth	G1Q	S1	E		Y-H	
	<i>Hemaris gracilis</i>	Graceful Clearwing	G3G4	SU				
	<i>Sphinx gordius</i>	Gordian Sphinx	G4G5	S1S3				 
	<i>Datana ranaeiceps</i>	A Hand-maid Moth	G3G4	S1S3			Y	 
	<i>Heterocampa varia</i>	A Prominent Moth	G3G4	S1S2	SC		P	 
	<i>Schizura apicalis</i>	Plain Schizura	G3G4	SU				 
	<i>Argyrostromis quadrifilaris</i>	Four-lined Chocolate	G4	SU				
	<i>Catocala dulciola</i>	Quiet or Sweet Underwing	G3	SH				
	<i>Catocala herodias gerhardi</i>	Herodias or Pine Barrens Underwing	G3T3	S1S2	SC		Y	 
	<i>Catocala jair</i> ssp. 2	Jersey Jair Underwing	G4?T4?	S1S2	SC			 
	<i>Catocala pretiosa pretiosa</i>	Precious Underwing	G4T2	SH				
	<i>Catocala umbrosa</i>	An Underwing Moth	G5	SH				
	<i>Cisthene packardii</i>	Packard's Lichen Moth	G5	SU				 
	<i>Dasychira pinicola</i>	Pine Tussock Moth	G4	SU				 
	<i>Drasteria adumbrata</i>	Shadowy Arches	G4	S1S2			P	
	<i>Grammia anna</i>	Anna Tiger Moth	G5	SU				
	<i>Grammia phyllira</i>	Phyllira Tiger Moth	G4	SH				

# New York Natural Heritage Program

## Rare Animal Status - Active Inventory List





















































CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
Insects - Continued								
Butterflies, Skippers, and Moths - Continued								
	<i>Hyperstrotia flaviguttata</i>	Yellow-spotted Graylet	G4	SU				 
	<i>Macrochilo bivittata</i>	Two-striped Cord Grass Moth	G3G4	S1S3				 
	<i>Metalectra richardsi</i>	Richard's Fungus Moth	G4	SU				 
	<i>Metalectra tantillus</i>	Black Fungus Moth	G4	SH				
	<i>Orgyia detrita</i>	A Tussock Moth	G3G4	SH				
	<i>Renia nemoralis</i>	Chocolate Renia	G4	SU				 
	<i>Virbia aurantiaca</i>	Orange Holomelina	G5	SU				 
	<i>Zale curema</i>	Black-eyed Zale	G4	SU				 
	<i>Zale largera</i>	A Zale Moth	G4	S1				 
	<i>Zale lunifera</i>	Pine Barrens Zale	G3G4	SU				 
	<i>Zanclognatha martha</i>	Pine Barrens Zanclognatha	G4	S1S2			P	 
	<i>Paectes abrostolella</i>	A Notodontid Moth	G4	S1			P	
	<i>Abagrotis nefascia benjamini</i>	Coastal Heathland Cutworm	G4T3	S1S3			P	 
	<i>Abagrotis orbis</i>	Well-marked Cutworm	G5	S1			P	
	<i>Acronicta albarufa</i>	Barrens Dagger Moth	G3G4	S1				 
	<i>Acronicta dolli</i>	Doll's Merolonche	G3G4	SH				
	<i>Agrotis obliqua</i>	Oblique Dart	G4	S1			P	
	<i>Amphipoea erepta ryensis</i>	An Ear Moth	GUT1Q	S1			P	 
	<i>Apamea burgessi</i>	Burgess's Apamea	G4	SU				 
	<i>Apamea inordinata</i>	Irregular Apamea	GU	S1			P	 
	<i>Apamea lintneri</i>	Sand Wainscot Moth	G4	SU				
	<i>Bagisara rectifascia</i>	Straight Lined Mallow Moth	G4	SU				
	<i>Cerma cora</i>	Bird Dropping Moth	G3G4	S1S2				 
	<i>Chaetagnalea cerata</i>	Waxed Sallow	G3G4	S1S3			Y	 
	<i>Chytonix ruperti</i>	A Noctuid Moth	G3G4Q	S1				
	<i>Chytonix sensilis</i>	Sensitive Chytonix	G4	S1S3			Y	 
	<i>Dargida rubripennis</i>	The Pink Streak	G3G4	SU				 
	<i>Derrima stellata</i>	Pink Star Moth	G4	S1				 
	<i>Dichagyris acclivis</i>	Switchgrass Dart	G4G5	S2S3			P	 
	<i>Eucoptocnemis fimbriaris</i>	Fringed Dart	G4	S1			Y	 
	<i>Euxoa adumbrata thanatologia</i>	A Dart Moth	G5T5	SH				
	<i>Euxoa pleuritica</i>	Fawn Brown Dart	G4	S2S3			P	 
	<i>Euxoa violaris</i>	Violet Dart	G4	SU				 
	<i>Fagitana littera</i>	Marsh Fern Moth	G4	S1S3			P	 
	<i>Fishia yosemitae</i>	A Noctuid Moth	G4	SH				
	<i>Hydraecia stramentosa</i>	Hairy Hydraecia	G4	S1S3				 
	<i>Lithophane lepida lepida</i>	Pine Pinion Moth	G4T1T3	S1	E		P	

 = NatureServe Explorer Species Account














 = New York Natural Heritage Program Conservation Guide

# New York Natural Heritage Program

## Rare Animal Status - Active Inventory List































CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO	
Insects - Continued									
Butterflies, Skippers, and Moths - Continued									
	<i>Lithophane thaxteri</i>	Thaxter's Pinion Moth	G4	SU					
	<i>Lithophane viridipallens</i>	Pale Green Pinion Moth	G5	S1			P	 	
	<i>Marimatha nigrofimbria</i>	Black-bordered Lemon Moth	G5	S1			P	 	
	<i>Melanapamea mixta</i>	An Apamea Moth	GU	SH					
	<i>Morrisonia mucens</i>	Gray Woodgrain	G4G5	S1S3			P	 	
	<i>Oligia bridghamii</i>	Bridgham's Brocade	G4	SU				 	
	<i>Orthodes obscura</i>	A Notodontid Moth	G4	S1?			Y		
	<i>Papaipema aerata</i>	A Borer Moth	GH	SH					
	<i>Papaipema appassionata</i>	Pitcher Plant Borer Moth	G4	SU				 	
	<i>Papaipema astuta</i>	Yellow Stoneroot Borer	G2G4	SH					
	<i>Papaipema aweme</i>	Aweme Borer Moth	G1	SH					
	<i>Papaipema cerina</i>	Golden Borer Moth	G2G4	SH					
	<i>Papaipema duovata</i>	Seaside Golden Borer Moth	G4	S1					
	<i>Papaipema harrisii</i>	Heracleum Stem Borer Moth	G4?	SH					
	<i>Papaipema marginidens</i>	A Borer Moth	G4	SH					
	<i>Papaipema maritima</i>	Maritime Sunflower Borer Moth	G3	SH					
	<i>Papaipema sciata</i>	Culvers Root Borer	G3	SH					
	<i>Papaipema</i> sp. 2 nr. <i>pterisii</i>	Ostrich Fern Borer Moth	G3G4	S1S3				 	
	<i>Papaipema stenocelis</i>	Chain Fern Borer Moth	G4	S1?			P	 	
	<i>Photedes enervata</i>	A Noctuid Moth	G4	SNA					
	<i>Photedes inops</i>	Spartina Borer Moth	G3G4	SU					
	<i>Psaphida thaxterianus</i>	Thaxter's Sallow	G4	SH					
	<i>Psectraglaea carnosae</i>	Pink Sallow	G3	S2			Y	 	
	<i>Pyreferra ceromatica</i>	Anointed Sallow Moth	GU	SX					
	<i>Pyrrhia aurantiago</i>	Aureolaria Seed Borer	G3G4	SU				 	
	<i>Schinia bifascia</i>	Slender Flower Moth	G4Q	S1			P	 	
	<i>Schinia spinosae</i>	Spinose Flower Moth	G4	SU				 	
	<i>Schinia tuberculum</i>	Golden Aster Flower Moth	G4	S2			P	 	
	<i>Sericaglaea signata</i>	Variable Sallow	G5	S1					
	<i>Sideridis artesta</i>	Hairy Artesta	G5	S1S3					
	<i>Sympistis dentata</i>	Toothed Apharetra	G4	S2S4				 	
	<i>Sympistis perscripta</i>	Scribbled Sallow Moth	G4	S1			P	 	
	<i>Sympistis riparia</i>	Dune Sympistis	G4	SU				 	
	<i>Xestia homogena</i>	A Dart Moth	G4	S1S2					
	<i>Xylena thoracica</i>	Acadian Swordgrass Moth	G4	S1S2			P		
	Bees, Wasps, Ants, Sawflies								
	<i>Bombus (Bombus) affinis</i>	Rusty-patched Bumble Bee	G1	SH			Y-H	 	

## New York Natural Heritage Program Rare Animal Status - Active Inventory List

CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
<b>Insects - Continued</b>								
<i>Bees, Wasps, Ants, Sawflies - Continued</i>								
	<i>Bombus (Bombus) terricola</i>	Yellowbanded Bumble Bee	G5	S1			Y-H	 
	<i>Bombus (Psithyrus) ashtoni</i>	Ashton's Cuckoo Bumble Bee	G4	SH			Y-H	
	<i>Bombus (Psithyrus) fernaldae</i>	Fernald's Cuckoo Bumble Bee	G5	SH				
	<i>Bombus (Psithyrus) insularis</i>	Indiscriminate Cuckoo Bumble Bee	G4G5	SH				
	<i>Bombus (Subterraneobombus) borealis</i>	Northern Amber Bumble Bee	G4G5	S1			Y-H	 
	<i>Bombus (Thoracobombus) fervidus</i>	Yellow Bumble Bee	G4?	S1			Y-H	 
	<i>Bombus (Thoracobombus) pennsylvanicus</i>	American Bumble Bee	G3G4	S1			Y-H	 
	<i>Bombus auricomus</i>	Black and Gold Bumble Bee	G4G5	S1			P	 
<b>Animal Assemblages</b>								
	<i>Anadromous Fish Concentration Area</i>		GNR	S3				
	<i>Bat Colony</i>		GNR	SNR				
	<i>Colonial Waterbird Nesting Area</i>		GNR	S3				
	<i>Gull Colony</i>		GNR	SNR				
	<i>Raptor Winter Concentration Area</i>		GNR	SNR				
	<i>Seal Haul-out Site</i>		GNR	SNR				
	<i>Waterfowl Winter Concentration Area</i>		GNR	S3S4				







































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




























CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
<b>Mammals</b>								
<b>Rodents</b>								
	<i>Sciurus niger</i>	Eastern Fox Squirrel	G5	S3				
<b>Carnivores</b>								
	<i>Canis lupus</i>	Gray Wolf	G5	SX	E	E		
	<i>Lynx canadensis</i>	Canada Lynx	G5	SX	T	T		
<b>Even-toed Hoofed Mammals</b>								
	<i>Alces americanus</i>	Moose	G5	S3S4			Y	
<b>Whales, Dolphins, and Porpoises</b>								
	<i>Balaenoptera acutorostrata</i>	Minke Whale	G5	SNRN				
	<i>Phocoena phocoena</i>	Harbor Porpoise	G4G5	S4	SC		Y-H	
	<i>Kogia breviceps</i>	Pygmy Sperm Whale	G4	SNRN				
	<i>Mesoplodon densirostris</i>	Blainsville's Beaked Whale	G4	SU				
	<i>Mesoplodon europaeus</i>	Gervais's Beaked Whale	G3	SU				
	<i>Mesoplodon mirus</i>	True's Beaked Whale	G3	SU				
	<i>Ziphius cavirostris</i>	Cuvier's Beaked Whale	G4	SU				
<b>Birds</b>								
<b>Waterfowl</b>								
	<i>Anas acuta</i>	Northern Pintail	G5	S1B,S3N			Y	
	<i>Anas americana</i>	American Wigeon	G5	S3				
	<i>Anas clypeata</i>	Northern Shoveler	G5	S2				
	<i>Anas crecca</i>	Green-winged Teal	G5	S3				
	<i>Anas discors</i>	Blue-winged Teal	G5	S2S3B,SNRN			Y	
	<i>Anas rubripes</i>	American Black Duck	G5	S3B,SNRN			Y-H	
	<i>Bucephala clangula</i>	Common Goldeneye	G5	S3,SNRN			Y	
	<i>Mergus serrator</i>	Red-breasted Merganser	G5	S3				
<b>Rails and Cranes</b>								
	<i>Fulica americana</i>	American Coot	G5	S3				
	<i>Gallinula galeata</i>	Common Moorhen	G5	S3S4				
<b>Gulls, Plovers, and Shorebirds</b>								
	<i>Haematopus palliatus</i>	American Oystercatcher	G5	S3			Y	
	<i>Phalaropus tricolor</i>	Wilson's Phalarope	G5	S1B				
<b>Frigatebirds, Boobies, Cormorants and allies</b>								
	<i>Phalacrocorax auritus</i>	Double-crested Cormorant	G5	S3				
<b>Pelicans and Cormorants</b>								
	<i>Pelecanus erythrorhynchos</i>	American White Pelican	G4	S1B				
	<i>Ardea alba</i>	Great Egret	G5	S4			Y	 
	<i>Botaurus lentiginosus</i>	American Bittern	G4	S4	SC		Y	
	<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	G5	S3			Y	
<b>Hawks, Kites, Eagles and allies</b>								
	<i>Pandion haliaetus</i>	Osprey	G5	S4B	SC			

# New York Natural Heritage Program




























## Rare Animal Status - Watch List

CLASS Order	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE LISTING	FED LISTING	SGCN	MORE INFO
Birds - Continued								
Hawks, Kites, Eagles and allies - Continued								
	<i>Accipiter cooperii</i>	Cooper's Hawk	G5	S4	SC			
	<i>Accipiter gentilis</i>	Northern Goshawk	G5	S3S4B,S3N	SC		Y	
	<i>Accipiter striatus</i>	Sharp-shinned Hawk	G5	S4	SC			
	<i>Buteo lineatus</i>	Red-shouldered Hawk	G5	S4B	SC		Y	
Owls								
	<i>Aegolius acadicus</i>	Northern Saw-whet Owl	G5	S3				
	<i>Asio otus</i>	Long-eared Owl	G5	S2S3B,SNRN			Y	
Woodpeckers								
	<i>Picoides arcticus</i>	Black-backed Woodpecker	G5	S3?				
Raptors								
	<i>Falco columbarius</i>	Merlin	G5	S3?B				
Perching Birds								
	<i>Ammodramus caudacutus</i>	Saltmarsh Sharp-tailed Sparrow	G4	S3B			Y-H	
	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	G5	S3B	SC		Y-H	 
	<i>Pooecetes gramineus</i>	Vesper Sparrow	G5	S3B	SC		Y-H	
	<i>Spizella pallida</i>	Clay-colored Sparrow	G5	S3S4B				 
	<i>Contopus cooperi</i>	Olive-sided Flycatcher	G4	S3B			Y-H	
	<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	G5	S3B				
	<i>Empidonax vireescens</i>	Acadian Flycatcher	G5	S3B				
	<i>Vireo philadelphicus</i>	Philadelphia Vireo	G5	S3B				
	<i>Perisoreus canadensis</i>	Gray Jay	G5	S3			Y-H	
	<i>Poecile hudsonicus</i>	Boreal Chickadee	G5	S3				
	<i>Eremophila alpestris</i>	Horned Lark	G5	S3S4B	SC		Y-H	
	<i>Toxostoma rufum</i>	Brown Thrasher	G5	S3S4B			Y-H	
	<i>Catharus minimus</i>	Gray-cheeked Thrush	G5	SNA				
	<i>Loxia curvirostra</i>	Red Crossbill	G5	S2S3				
	<i>Loxia leucoptera</i>	White-winged Crossbill	G5	S2S3				
	<i>Setophaga americana</i>	Northern Parula	G5	S3S4B				
	<i>Setophaga cerulea</i>	Cerulean Warbler	G4	S3?B	SC		Y	 
	<i>Setophaga palmarum</i>	Palm Warbler	G5	S2S3B				
	<i>Setophaga striata</i>	Blackpoll Warbler	G5	S3B				
	<i>Vermivora chrysoptera</i>	Golden-winged Warbler	G4	S3B	SC		Y-H	 
	<i>Quiscalus major</i>	Boat-tailed Grackle	G5	S3B				
	<i>Passerina caerulea</i>	Blue Grosbeak	G5	SNA				
Reptiles								
Lizards and Snakes								
	<i>Plestiodon fasciatus</i>	Five-lined Skink	G5	S3				
	<i>Heterodon platirhinos</i>	Eastern Hog-nosed Snake	G5	S3	SC		Y-H	





























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<b>Reptiles - Continued</b>								
<b>Lizards and Snakes - Continued</b>								
	<i>Thamnophis brachystoma</i>	Short-headed Gartersnake	G4	S3			Y	
	<i>Agkistrodon contortrix</i>	Copperhead	G5	S3			Y	
<b>Turtles</b>								
<b>Turtles</b>								
	<i>Clemmys guttata</i>	Spotted Turtle	G5	S3	SC		Y-H	
	<i>Glyptemys insculpta</i>	Wood Turtle	G3	S3	SC		Y-H	
	<i>Graptemys geographica</i>	Common Map Turtle	G5	S3			Y	
	<i>Malaclemys terrapin</i>	Diamondback Terrapin	G4	S3			Y	
	<i>Terrapene carolina</i>	Eastern Box Turtle	G5	S3	SC		Y-H	
<b>Amphibians</b>								
<b>Frogs and Toads</b>								
	<i>Pseudacris maculata</i>	Boreal Chorus Frog	G5	S2S3			P	
	<i>Pseudacris triseriata</i>	Western Chorus Frog	G5	S2S3			Y	
<b>Salamanders</b>								
	<i>Ambystoma opacum</i>	Marbled Salamander	G5	S3	SC		Y	
	<i>Plethodon wehrlei</i>	Wehrle's Salamander	G4	S3				
<b>Ray-finned Fishes</b>								
<b>Gars</b>								
	<i>Lepisosteus osseus</i>	Longnose Gar	G5	S3				
<b>Eels</b>								
	<i>Anguilla rostrata</i>	American Eel	G4	S2S3			Y-H	
<b>Anchovies and Herrings</b>								
	<i>Anchoa mitchilli</i>	Bay Anchovy	G5	S3			Y	
	<i>Alosa aestivalis</i>	Blueback Herring	G3G4	S3		SC	Y	
	<i>Dorosoma cepedianum</i>	Gizzard Shad	G5	S3				
<b>Minnnows and Suckers</b>								
	<i>Clinostomus elongatus</i>	Redside Dace	G3G4	S3				
	<i>Cyprinella analostana</i>	Satinfin Shiner	G5	S3				
	<i>Luxilus chrysocephalus</i>	Striped Shiner	G5	S3				
	<i>Nocomis biguttatus</i>	Hornyhead Chub	G5	S3				
	<i>Notropis stramineus</i>	Sand Shiner	G5	S3				
	<i>Notropis volucellus</i>	Mimic Shiner	G5	S3				
	<i>Carpionodes cyprinus</i>	Quillback	G5	S3S4				
	<i>Catostomus catostomus</i>	Longnose Sucker	G5	S3			Y	
	<i>Moxostoma anisurum</i>	Silver Redhorse	G5	S3				
	<i>Moxostoma erythrurum</i>	Golden Redhorse	G5	S3				
	<i>Moxostoma valenciennesi</i>	Greater Redhorse	G4	S3S4				
<b>Catfishes</b>								
	<i>Noturus flavus</i>	Stonecat	G5	S3				





































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Ray-finned Fishes - Continued								
Cattfishes - Continued								
	<i>Noturus gyrinus</i>	Tadpole Madtom	G5	S3				
	<i>Noturus miurus</i>	Brindled Madtom	G5	S3S4				
Salmon and Trout								
	<i>Coregonus artedii</i>	Cisco or Lake Herring	G5	S3			Y	
	<i>Salmo salar</i>	Atlantic Salmon	G5	S3			Y	
Mudminnows and Pikes								
	<i>Umbra pygmaea</i>	Eastern Mudminnow	G5	S3				
Perches								
	<i>Percopsis omiscomaycus</i>	Trout-perch	G5	S3				
Cods								
	<i>Lota lota</i>	Burbot	G5	S3				
	<i>Microgadus tomcod</i>	Atlantic Tomcod	G5	S3			Y-H	
Silversides								
	<i>Labidesthes sicculus</i>	Brook Silverside	G5	S3				
Killfishes								
	<i>Fundulus heteroclitus</i>	Mummichog	G5	S3			Y	
Pipefishes and Sticklebacks								
	<i>Culaea inconstans</i>	Brook Stickleback	G5	S3				
	<i>Gasterosteus wheatlandi</i>	Blackspotted Stickleback	G5	SU				
	<i>Pungitius pungitius</i>	Ninespine Stickleback	G5	SU			Y	
	<i>Hippocampus erectus</i>	Lined Seahorse	GNR	SU			Y-H	
	<i>Syngnathus fuscus</i>	Northern Pipefish	G5	S3			Y-H	
Sculpins and Scorpion Fishes								
	<i>Myoxocephalus aenaeus</i>	Grubby	G5	S3				
Perch-like Fishes								
	<i>Enneacanthus gloriosus</i>	Bluespotted Sunfish	G5	S3				
	<i>Lepomis auritus</i>	Redbreast Sunfish	G5	S3				
	<i>Lepomis cyanellus</i>	Green Sunfish	G5	S3				
	<i>Etheostoma blennioides</i>	Greenside Darter	G5	S3				
	<i>Etheostoma caeruleum</i>	Rainbow Darter	G5	S3				
	<i>Etheostoma zonale</i>	Banded Darter	G5	S3				
	<i>Percina caprodes</i>	Logperch	G5	S3				
	<i>Percina copelandi</i>	Channel Darter	G4	S3				
	<i>Percina maculata</i>	Blackside Darter	G5	S3				
	<i>Percina peltata</i>	Shield Darter	G5	S3				
	<i>Aplodinotus grunniens</i>	Freshwater Drum	G5	S4				
	<i>Gobiosoma bosc</i>	Naked Goby	G5	SU				
	<i>Gobiosoma ginsburgi</i>	Seaboard Goby	GNR	SU				
Flatfishes, Flounders, and Soles								

























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Ray-finned Fishes - Continued								
Flatfishes, Flounders, and Soles - Continued								
	<i>Pseudopleuronectes americanus</i>	Winter Flounder	G5	S3?			Y-H	
	<i>Trinectes maculatus</i>	Hogchoker	G5	S3				
Lampreys								
Lampreys								
	<i>Ichthyomyzon unicuspis</i>	Silver Lamprey	G5	S3				
	<i>Lethenteron appendix</i>	American Brook Lamprey	G4	S3				
Gastropods								
Neotaenioglossa								
	<i>Elimia virginica</i>	Piedmont Elimia	G5	S3				
	<i>Pleurocera acuta</i>	Sharp Hornsnail	G5	S3				
	<i>Birgella subglobosus</i>	Globe Siltsnail	G4	S3			P	
	<i>Pomatiopsis lapidaria</i>	Slender Walker	G5	S3				
Basommatophora								
	<i>Fossaria exigua</i>	Graceful Fossaria	G5Q	S3				
	<i>Fossaria parva</i>	Pygmy Fossaria	G5	S3				
	<i>Fossaria rustica</i>	A Fossaria Snail	G5Q	S3				
	<i>Lymnaea stagnalis</i>	Swamp Lymnaea	G5	S3				
	<i>Physa skinneri</i>	Glass Physa	G5	SU				
	<i>Physa vernalis</i>	Vernal Physa	G4	SNR				
Bivalves								
Freshwater Mussels								
	<i>Elliptio dilatata</i>	Spike	G5	S3S4				
	<i>Lasmigona compressa</i>	Creek Heelsplitter	G5	S3S4				
	<i>Pyganodon lacustris</i>	Lake Floater	GU	SU				
Insects								
Dragonflies and Damselflies								
	<i>Calopteryx amata</i>	Superb Jewelwing	G4	S3				
	<i>Hetaerina americana</i>	American Rubyspot	G5	S3			Y	
	<i>Lestes dryas</i>	Emerald Spreadwing	G5	S3				
	<i>Argia apicalis</i>	Blue-fronted Dancer	G5	S3				
	<i>Argia tibialis</i>	Blue-tipped Dancer	G5	S3				 
	<i>Coenagrion resolutum</i>	Taiga Bluet	G5	S3				
	<i>Enallagma basidens</i>	Double-striped Bluet	G5	S3				
	<i>Enallagma boreale</i>	Boreal Bluet	G5	S3				
	<i>Enallagma divagans</i>	Turquoise Bluet	G5	S3				
	<i>Enallagma durum</i>	Big Bluet	G5	S3				
	<i>Enallagma vernale</i>	A Bluet Damselfly	G4Q	S3				
	<i>Ischnura hastata</i>	Citrine Forktail	G5	S3				

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Insects - Continued								
Dragonflies and Damselflies - Continued								
	<i>Ischnura kellicotti</i>	Lilypad Forktail	G5	S3				
	<i>Aeshna clepsydra</i>	Mottled Darner	G4G5	S4				 
	<i>Epiaeschna heros</i>	Swamp Darner	G5	S3				
	<i>Gomphus adelphus</i>	Mustached Clubtail	G4G5	S2S3				
	<i>Gomphus descriptus</i>	Harpoon Clubtail	G4	S3				
	<i>Lanthus parvulus</i>	Northern Pygmy Clubtail	G4G5	S3				
	<i>Ophiogomphus carolus</i>	Riffle Snaketail	G5	S2S3				
	<i>Ophiogomphus mainensis</i>	Maine Snaketail	G4G5	S3				
	<i>Stylurus scuderi</i>	Zebra Clubtail	G4G5	S3				
	<i>Stylurus spiniceps</i>	Arrow Clubtail	G5	S3				
	<i>Dorocordulia lepida</i>	Petite Emerald	G5	S3				
	<i>Epitheca spinigera</i>	Spiny Baskettail	G5	S3				
	<i>Helocordulia uhleri</i>	Uhler's Sundragon	G5	S3				
	<i>Neurocordulia yamaskanensis</i>	Stygian Shadowdragon	G5	S3				
	<i>Somatochlora walshii</i>	Brush-tipped Emerald	G5	S3				
	<i>Celithemis fasciata</i>	Banded Pennant	G5	S3				
	<i>Ladona exusta</i>	White Corporal	G5	S3				
	<i>Libellula axilena</i>	Bar-winged Skimmer	G5	SNA				
	<i>Libellula vibrans</i>	Great Blue Skimmer	G5	S3				
	<i>Nannothemis bella</i>	Elfin Skimmer	G4	S3			P	
	<i>Sympetrum costiferum</i>	Saffron-winged Meadowhawk	G5	S3S4				
	<i>Sympetrum rubicundulum</i>	Ruby Meadowhawk	G5	S3				
Beetles, Weevils								
	<i>Cicindela lepida</i>	Ghost Tiger Beetle	G3G4	S3				
	<i>Cicindela marginata</i>	Margined Tiger Beetle	G5	S3			P	
	<i>Cicindela rufiventris</i>	Eastern Red-bellied Tiger Beetle	G5	S3				
	<i>Cicindela scutellaris rugifrons</i>	Festive Tiger Beetle	G5T5	S3				
Butterflies, Skippers, and Moths								
	<i>Euphyes dion</i>	Dion Skipper	G4	S3				
	<i>Anthocharis midea</i>	Falcate Orangetip	G4G5	S3S4				
	<i>Colias interior</i>	Pink-edged Sulphur	G5	S3S4				
	<i>Atlides halesus</i>	Great Purple Hairstreak	G4G5	SNA				
	<i>Asterocampa celtis</i>	Hackberry Emperor	G5	S3S4				
	<i>Lagoa crispata</i>	Black-waved Flannel Moth	G5	SU				
	<i>Parasa chloris</i>	Smaller Parasa	G4	SU				
	<i>Eumacaria madopata</i>	Brown-bordered Geometer	G4	S2S4			Y	
	<i>Hydriomena pluviata</i>	Sharp Green Hydriomena	G4	SU				

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Insects - Continued								
Butterflies, Skippers, and Moths - Continued								
	<i>Idaea productata</i>	A Geometrid Moth	G4	SU				
	<i>Nepytia</i> sp. 1	Dusky Mid-summer Nepytia	G4G5	SU				
	<i>Paleacrita merriccata</i>	Spring Canker Moth	G4	SU				
	<i>Eacles imperialis pini</i>	Imperial Moth	G5T3T4	SNR			Y	
	<i>Sphinx drupiferarum</i>	Wild Cherry Sphinx	G3G5	SU				
	<i>Cycnia inopinatus</i>	Unexpected Cycnia	G4	SNA				
	<i>Doryodes grandipennis</i>	Long-winged Doryodes	G4	SU				
	<i>Drasteria graphica atlantica</i>	Atlantic Graphic Moth	G4T4	SU				
	<i>Grammia figurata</i>	A Tiger Moth	G5	S3				
	<i>Isogona tenuis</i>	Thin-lined Owlet	G4	SNA				
	<i>Mocis texana</i>	Texas Mocis	G5	SU				
	<i>Phoberia ingenua</i>	A Noctuid Moth	G3G4	S2S3			P	
	<i>Zale squamularis</i>	Gray-banded Zale	G4	S3S4				
	<i>Agrotis stigmosa</i>	A Dart Moth	G4	SU				
	<i>Apamea relicina</i>	An Apamea Moth	G4	SU				
	<i>Aplectoides condita</i>	A Noctuid Moth	G4	S3S4				
	<i>Cucullia speyeri</i>	Speyer's Cucullia	G4	SU				
	<i>Feltia manifesta</i>	A Noctuid Moth	G4	SU				
	<i>Lithophane lemmeri</i>	Lemmer's Noctuid Moth	G3G4	SNA				
	<i>Metaxaglaea semitaria</i>	Footpath Sallow Moth	G5	SU				
	<i>Metaxaglaea violacea</i>	Holly Sallow	G5	SNA				
	<i>Panthea furcilla australis</i>	A Moth	G5T4	S3				
	<i>Schinia septentrionalis</i>	Northern Flower Moth	G3G4	SU				
	<i>Sideridis maryx</i>	The Maroonwing	G4	S2S3			P	
	<i>Xylotype capax</i>	Barrens Xylotype	G4	S3S4				