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Maryland Wildlife and Heritage Service Natural Heritage Program





Larry Hogan, Governor Mark Belton, Secretary



#### Wildlife & Heritage Service

Natural Heritage Program
Tawes State Office Building, E-1
580 Taylor Avenue
Annapolis, MD 21401
410-260-8540
Fax 410-260-8596
dnr.maryland.gov

Additional Telephone Contact Information:
Toll free in Maryland: 877-620-8DNR ext. 8540 OR
Individual unit/program toll-free number
Out of state call: 410-260-8540
Text Telephone (TTY) users call via the Maryland Relay

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**Cover photo:** A mating pair of the Appalachian Jewelwing (*Calopteryx angustipennis*), a rare damselfly in Maryland. (Photo credit, James McCann)

#### **ACKNOWLEDGMENTS**

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#### INTRODUCTION

The following list comprises 514 native Maryland animals that are among the least understood, the rarest, and the most in need of conservation efforts. It includes species occurring in Maryland that are on the federal list of Endangered and Threatened Wildlife and Plants under the Endangered Species Act (ESA), species currently on the State's Threatened and Endangered Species list, and additional species that are considered rare or under assessment by the Wildlife and Heritage Service. The purpose of this list is to inform the public of rare species, to provide an indication of their degree of rarity, to solicit additional information on the status and distribution of these species, and to promote an interest in their conservation. For more information about Maryland's wildlife, habitats, and their conservation, see the 2015 Maryland State Wildlife Action Plan, available at: <a href="maryland.gov/wildlife/Pages/plants\_wildlife/SWAP\_home.aspx">dnr.maryland.gov/wildlife/Pages/plants\_wildlife/SWAP\_home.aspx</a>

Compiled by Wildlife and Heritage Service staff and conservation partners, this list of rare species is a result of more than 35 years of effort to gather, research, and analyze data from numerous sources, such as museums, scientific literature, unpublished documents, reports from zoologists and amateur naturalists, and extensive field work conducted by scientists from the Department of Natural Resources (DNR). Our knowledge of Maryland's fauna has grown steadily. Field surveys and studies conducted by Wildlife and Heritage Service biologists and cooperators have led to the rediscovery of species previously thought to be extirpated from the state, as well as the discovery of species previously unrecorded in Maryland, including some species new to science. Similarly, some species are now known to be either rarer or more common than were previously believed. Collectively, these efforts have contributed to a better understanding of the status, distribution, abundance, ecology, and conservation needs of the state's fauna. Thus, this list and the conservation rank and legal status of each species are periodically revised to keep pace with new information. The list was first published in 1984, and its last revision was in 2010.

The primary Maryland law (enacted in 1975) that governs the legal listing of threatened and endangered species is the Nongame and Endangered Species Conservation Act (Annotated Code of Maryland 10-2A-01). The Act is supported by regulations (Code of Maryland Regulations, COMAR 08.03.08) that define listing criteria for endangered, threatened, in need of conservation, and endangered extirpated species; lists the species included in each category; establishes the purpose and intent of research and collection permits; and lists prohibited activities. Maryland regulations may be found online at: dsd.state.md.us/COMAR/ComarHome.html

The Wildlife and Heritage Service (the Service) within DNR is the lead state agency responsible for the identification, ranking, protection, and management of rare and endangered species and natural communities in Maryland. The Service seeks to identify and sustain populations of rare plants and animals through the maintenance of healthy natural ecosystems. The Service maintains a database of natural areas and occurrences of rare, threatened, and endangered plant and animal species. This database is aligned with the NatureServe network, an international association of over 80 programs that tracks and monitors species and plant communities using identical methodologies across all 50 states, Canada, and Latin America. Wildlife and Heritage Service biologists are concerned with many more species than those included on Maryland's Threatened and Endangered Species list. Some of these species are potential candidates for listing and usually require further investigation into their conservation status. Others are thought to be secure at present but are worthy of attention because of limited distributions, declining populations, or other ecological vulnerabilities.

The Maryland Department of Natural Resources Fisheries Service maintains an official list of game and commercial fish species that are legally designated as endangered, threatened, or in need of conservation in Maryland. The list of Endangered and Threatened Fish Species (COMAR 08.02.12) can be obtained by contacting the Fisheries Service, Department of Natural Resources, Tawes State Office Building, Annapolis, MD 21401 or by visiting their website at: <a href="https://doi.org/doi.

#### **GUIDE TO THE LIST**

This list of rare, threatened, and endangered animal species is arranged phylogenetically, with invertebrate groups listed before vertebrate groups. Within each group, species are listed alphabetically by scientific name. Space limitations preclude inclusion of the scientific authors' names for the taxa in this list. Some invertebrate groups are not fully represented or are entirely absent from this list. Available information has been compiled for only certain species or groups of invertebrates. Many invertebrate species are not well known and have not been sufficiently researched or surveved in Maryland.

Birds and other migratory species are primarily of conservation concern to the Service on the basis of their breeding status. For example, Dark-eyed Juncos breed in only a few remote areas in western Maryland during the summer, but are abundant backyard birds during the winter. To be included on the official State Threatened and Endangered

Species List, migrants that are rare Maryland breeders must also be rare during the non-breeding season. Thus, the Dark-eyed Junco cannot be legally listed as Endangered, Threatened, or In Need of Conservation under current listing criteria. However, some birds, such as the Red Knot, and other migratory species, such as whales and sea turtles, have been included because of their federal legal status even though they typically do not breed in Maryland.

Each page of the following list includes six columns, titled (from left to right) Scientific Name, Common Name, Global Rank (G rank), State Rank (S rank), State Status, and Federal Status.

At the end of the list is a series of four Appendices:

- Appendix I details the changes to species' state ranks and statuses since the last publication of the list in April 2010.
- **Appendix II** contains a list of species with unusual, non-standard ranks and has been provided to clarify their current conservation status in Maryland.
- **Appendix III** contains a partial list of synonym names, which is meant to be used as a cross reference for scientific names that taxonomists have updated. The names used in this publication might not reflect the most recently published taxonomic changes or standards.
- Appendix IV includes species currently under review for changes to their conservation status rank and/or legal status.

#### **UNDERSTANDING CONSERVATION STATUS RANK AND LEGAL STATUS**

Conservation status ranks are intended to indicate risk of elimination or extinction in the foreseeable future and are arranged along a simple numerical scale (1-5) with the lower numbers reflecting increasing rarity and risk. Conservation status ranks also present geographic information about rarity and risk. Subnational or state ranks (S ranks) represent the vulnerability of the species in the state; whereas global ranks (G ranks) represent the imperilment of the species throughout its range (although most species are far from being globally distributed). The status rank of a species is determined through analyses of a number of factors within the pertinent jurisdiction, primarily population number, size, viability, threats, and both short-term and long-term trends. The final metric, a combination of the numeric index (1-5) and the geographic identifier (G or S), distills this large amount of information into a single value. Thus, for a particular species that has a global rank of G1 and a state rank of S1, the species is not only rare and at risk of elimination from within Maryland but also rare throughout its entire range and at risk of extinction. Similarly, an animal with ranks of G5 and S5 indicate that the species is demonstrably secure in Maryland and throughout the species' global range as well.

Most species have single-valued conservation ranks; however, some variations are possible. Range ranks, e.g., G1G2 or S1S3, indicate the (usually narrow) range of uncertainty in the rank. For example, a species may have more populations than is typical of the lower rank, but few are protected; this may affect the viability of the population(s). A taxon (T) rank follows the global (G) rank of the full species as a qualifier to indicate the conservation status of the subspecies, e.g., G5T3. The latter indicates that the subspecies is much rarer or at risk than the full species. A global rank may also be followed by a 'Q'-qualifier to indicate that there are prevailing taxonomic questions for that species (e.g., G4Q). A '?'-qualifier may be used to indicate that there is a level of uncertainty in the global or state rank (e.g, G4? or S2?). For migratory species, state (S) ranks may include a qualifier indicating the numeric value is relevant to its breeding (B) status, non-breeding (N) status, or migrant (M) status within Maryland.

Definitions of conservation status ranks and rank qualifiers are presented in Table 1. State ranks for many species are modified as needed to reflect current information. All member programs of the NatureServe Network of Natural Heritage Programs and Conservation Data Centers across the Western Hemisphere use the same ranking system and format. Global ranks are maintained by NatureServe, while the various member programs maintain the subnational or state ranks. This allows direct conservation status comparisons across the political and geographic landscape, and it is one of the most powerful aspects of the Network.

Table 1. Definitions of Global (G) and State (S) Conservation Status Ranks and Rank Qualifiers.

Rank	Definitions of Global / State Ranks
GX or SX	Presumed Extirpated — Species believed to be extirpated from the jurisdiction (i.e. global, or state/province). Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
GH or SH	Historical (Possibly Extirpated) — Known only from historical records and some hope of rediscovery remains. There is some evidence that the species may no longer be present, but not

	enough to know this with certainty.
G1 or S1	Critically Imperiled / Highly State Rare — At very high risk of extinction or extirpation due to very restricted range, very few populations or occurrences, very steep declines, very severe threats, or other factors. Typically occurring in five or fewer populations.
G2 or S2	Imperiled / State Rare — At high risk of extinction or extirpation due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors. Typically occurring in 6-20 populations.
G3 or S3	Vulnerable / Watchlist — At moderate risk of extinction or extirpation due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors. Typically occurring in 21-80 populations.
G4 or S4	Apparently Secure — At fairly low risk of extinction or extirpation due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.
G5 or S5	Demonstrably Secure — At very low risk of extinction or extirpation due to a very extensive range, abundant populations or occurrences, and little to no concern from declines or threats.
S3.1	Vulnerable and Globally Rare — Species is actively tracked by the Service because of the global significance of Maryland occurrences. Although not currently threatened or endangered, Maryland occurrences may be critical to the long-term security of the species.
SU	Status Uncertain — A numerical rank cannot be established with confidence for reasons including lack of historical records, low survey effort, cryptic nature of the species, or concerns that the species may not be native to the state. Uncertainty spans a range of more than three ranks as defined above.
GNR or SNR	Not Ranked — Species has not yet been ranked.
Qualifier	Definitions of Rank Qualifiers
В	Breeding Rank — Indicates the species is a migrant and the rank applies to the status of the breeding population in Maryland.
М	Migrant Rank — Indicates the species is a migrant and the rank applies to the status of the transitional population in Maryland.
N	Non-breeding Rank — Indicates the species is a migrant and the rank applies to the status of the non-breeding population in Maryland. This may include individuals outside the typical breeding season, wintering individuals, or summering non-breeding individuals.
Q	Questionable Taxonomy — Indicates that the taxon has questionable, controversial, or uncertain taxonomic standing, e.g., treated by some authors as a species, whereas others treat it as a subspecies or not at all.
Т	Taxon Rank — Indicates that the infraspecific taxon (subspecies) is ranked independently from the typical species.
?	Rank Uncertainty — Indicates uncertainty in the numeric value that may span 2-3 ranks, as defined above.

Legal status presents a simple hierarchy of endangerment in four categories: Endangered (E), Threatened (T), In Need of Conservation (I), and Endangered Extirpated (X). Definitions of legal statuses are presented in Table 2. Legal protection statuses of species are typically reviewed and updated, if needed, every two to three years. All species listed as threatened or endangered at the federal level also have a legal status within Maryland.

Table 2. Definitions of State and Federal Legal Protection Status.

State Status	Definitions
Endangered (E)	A species whose continued existence as a viable component of Maryland's fauna is determined to be in jeopardy.
Threatened (T)	A species that appears likely, within the foreseeable future, to become endangered in Maryland.
In Need of Conservation (I)	An animal species whose population is limited or declining in Maryland such that it may become threatened in the foreseeable future if current trends or conditions persist.
Endangered Extirpated (X)	A species that was once a viable component of the fauna of Maryland, but for which no naturally occurring populations are known to exist.
(State Status)*	A qualifier denoting the species is listed in a limited geographical area only.
Federal Status	Definitions
Endangered (LE)	Taxa listed as Endangered under the federal ESA; in danger of extinction throughout all or a significant portion of its range.
Threatened (LT)	Taxa listed as Threatened under the federal ESA; likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

#### ADDITIONAL RESOURCES AND IMPORTANT LINKS

#### National

The U.S. Department of Interior, Fish and Wildlife Service's (USFWS) Office of Endangered Species publishes a list of federally designated Threatened and Endangered species. Copies of USFWS publications, including *Endangered and Threatened Wildlife and Plants; Review of Plant and Animal Taxa That are Candidates for Listing as Endangered or Threatened Species* may be obtained from the Publication Unit, U.S. Fish and Wildlife Service, Washington DC 20240 or viewed at: <a href="fws.gov/endangered/">fws.gov/endangered/</a> or the Office of Federal Register website:

Additional protections for most of Maryland's bird species are provided by the Migratory Bird Treaty Act, as enforced by USFWS. Their website can be viewed at: fws.qov/birds/policies-and-regulations/laws-legislations/migratory-bird-treaty-act.php

The Encyclopedia of Life includes information on such topics as life history, distribution, and taxonomic relationships of all taxa occurring throughout the world at the following link: <u>eol.org</u>.

NatureServe compiles data from all member programs in the Network of Natural Heritage Programs and Conservation Data Centers and provides a synthesis in the form of species summaries on their Explorer website: <a href="mailto:explorer.natureserve.org">explorer.natureserve.org</a>. The state ranks for Maryland shown in NatureServe's online database may be different than in this list due to the timing of data synchronization between the two databases.

#### Maryland

The Department of Natural Resources (DNR) conserves more than just rare, threatened, and endangered animals in Maryland. The state's reptiles and amphibians are also protected through regulations that limit the numbers and types of species that can be possessed without permits and that list the conditions under which permits from the DNR

would be required. These protections are provided in Code of Maryland Regulations (COMAR) 08.03.11. Furthermore, certain additional nongame mammals are provided protections through regulating activities that require permits under COMAR 08.03.08.15. For more information, regulations can be viewed on the state Division of State Documents website: dsd.state.md.us/COMAR/ComarHome.html

The Natural History Society of Maryland maintains collections of Maryland specimens at: marylandnature.org.

The Maryland Amphibian and Reptile Atlas provides information on the distribution of turtles, lizards, snakes, salamanders, frogs and toads in Maryland at: <a href="https://webapps02.dnr.state.md.us/mara/default.aspx?strSelection=SystemStats">webapps02.dnr.state.md.us/mara/default.aspx?strSelection=SystemStats</a>

The Maryland Biodiversity Project provides information on all species of animals known to occur in Maryland at: marylandbiodiversity.com/

For more information about Maryland's wildlife, habitats, and their conservation, see the 2015 Maryland State Wildlife Action Plan, available at: <a href="mailto:dnr.maryland.gov/wildlife/Pages/plants-wildlife/SWAP-home.aspx">dnr.maryland.gov/wildlife/Pages/plants-wildlife/SWAP-home.aspx</a>

To obtain additional copies of this report; to receive a copy of Rare, Threatened, and Endangered Plants of Maryland; or to receive other information on Maryland's rare species and natural areas; please contact the Maryland Wildlife and Heritage Service at Tawes State Office Building, E-1, 580 Taylor Avenue, Annapolis, MD 21401 or visit the website at: <a href="mailto:dnr.maryland.gov/wildlife/Pages/plants">dnr.maryland.gov/wildlife/Pages/plants</a> wildlife/rte/rteplants.aspx

The conservation of Maryland's natural communities is vital in sustaining our natural diversity and rare species. These recurring assemblages of plants and animals are uniquely tied to a particular suite of environmental conditions and species adapted to those conditions. More information on Maryland's natural communities can be found at: <a href="mailto:dnr.maryland.gov/wildlife/Pages/plants\_wildlife/nhpnatcomm.aspx">dnr.maryland.gov/wildlife/Pages/plants\_wildlife/nhpnatcomm.aspx</a>

The Maryland Geological Survey (<u>mgs.md.gov/</u>) provides detailed physiographic maps with accompanying explanatory text, available at: <u>mgs.md.gov/geology/physiographic\_map.html</u>.

#### **HOW YOU CAN HELP**

You can take an active part in conserving Maryland's rare species by contacting the Wildlife and Heritage Service with the following types of information:

#### I. Submitting observation information on rare, threatened or endangered species

- 1. Location details should be included (exact mapped location using GPS is preferred, but not required). Online mapping applications, such as Google Earth, are invaluable; however, precise written directions that include both driving and walking information are also acceptable.
- 2. Documentation that includes a photograph, description of the species, identification source, and habitat description should accompany the report.
- 3. Information on the ecology and/or biology of the species, such as observed and/or identified associated species, should accompany the report.
- \*\*Additional information, including a downloadable PDF of our rare species reporting form can be found at: <a href="mailto:dnr.maryland.gov/wildlife/Pages/plants\_wildlife/rte\_reportinginst.aspx">dnr.maryland.gov/wildlife/Pages/plants\_wildlife/rte\_reportinginst.aspx</a>

#### II. Assisting the Service with conservation status rank assessments

- 1. Submit data indicating that a species should be assigned a different rank and status, with supporting documentation.
- 2. Submit nominations of additional species to be included on the list or of species that should be deleted from the list, with supporting documentation.
- 3. Submit information on historical collections or documentation in the scientific literature.

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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
<u>PLANARIANS</u>					
Paraplanaria dactyligera Phagocata virilis Procotyla typhlops Sphalloplana buchanani	A Planarian A Planarian A Planarian A Cave Obligate Planarian	GNR GNR G1G2 G1G2	S2 S1 S1 SNR	E	
Sphalloplana hoffmasteri Sphalloplana pricei Sphalloplana sp. 1	Hoffmaster's Cave Planarian Refton Cave Planarian A Planarian	G3G4 G2G3 GNR	S1 SNR S1S2	E	
MOLLUSKS					
Alasmidonta heterodon Alasmidonta undulata Alasmidonta varicosa Anodonta implicata Catinella hubrichti Discus catskillensis Elliptio fisheriana Elliptio lanceolata Elliptio producta Fontigens bottimeri Fontigens orolibas Glyphyalinia picea Glyphyalinia raderi Hendersonia occulta Lampsilis cariosa Lampsilis radiata Lasmigona subviridis Leptodea ochracea	Dwarf Wedge Mussel Triangle Floater Brook Floater Alewife Floater Snowhill Ambersnail Angular Disc Northern Lance Yellow Lance Atlantic Spike Appalachian Spring Snail Blue Ridge Spring Snail Rust Glyph Maryland Glyph Cherrystone Drop Yellow Lampmussel Eastern Lampmussel Green Floater Tidewater Mucket	G1G2 G4 G3 G5 G3 G5 G4 G2G3 G3 G3 G3 G4 G3G4 G5 G3 G3 G4	\$1 \$1 \$3 \$NR \$1 \$3 \$U \$2 \$2 \$2 \$1 \$U \$H \$2 \$U \$U \$1 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$2 \$1 \$1 \$1 \$2 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1 \$1	E E I E X I	LE
Ligumia nasuta Oxyloma effusum Oxyloma subeffusum Paravitrea pontis Strophitus undulatus Stenotrema simile Triodopsis picea Utterbackia imbecillis Vertigo ventricosa Webbhelix multilineata	Eastern Pondmussel Coastal-plain Ambersnail Chesapeake Ambersnail Natural Bridge Supercoil Creeper Bear Creek Slitmouth Spruce Knob Threetooth Paper Pondshell Five-tooth Vertigo Striped Whitelip	G4 G3 G3 G5 G2 G3 G5 G5 G5	S1S2 SNR SNR SNR S2 SU S1 S3 SU S1	I	
CRUSTACEANS  Acanthocyclops columbiensis Ankylocythere tridentata Attheyella spinipes Caecidotea alleghenyensis Caecidotea franzi Caecidotea holsingeri Caecidotea mausi Caecidotea nordeni Caecidotea pricei Caecidotea sp. 1 Caecidotea vandeli Cambarus acuminatus Crangonyx dearolfi Crangonyx stagnicolous Dactylocythere scotos	A Copepod An Entocytherid Ostracod A Harpacticoid Copepod Allegheny Spring Isopod Franz's Cave Isopod Holsinger's Cave Isopod Maus' Cave Isopod Norden's Groundwater Isopod Price's Cave Isopod An Isopod Vandel's Cave Isopod Acuminate Crayfish Pennsylvania Cave Crangonyctid An Amphipod An Entocytherid Ostracod	G1 G1 GNR GNR G2G4 G5 G2 GH G5 G1 G3G4 G4Q G2 G2 GNR	SNR SH SU S1 S1 S1 SH S3 S1 S1 S2 S1 SNR S1	E E E X E I E	

SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Diacyclops palustris	A Cyclopoid Copepod	GNR	SU		
Donnaldsoncythere donnaldsonensis	An Ostracod	G3	SNR		
Orconectes obscurus	Allegheny Crayfish	G5	S3		
Stygobromus allegheniensis	Allegheny Cave Amphipod	G5	S2S3	1	
Stygobromus amicus	Friendly Cave Amphipod	G1	S1	E	
Stygobromus biggersi	Biggers' Cave Amphipod	G2G4	S1	E	
Stygobromus caecilius	Cecil Groundwater Amphipod	G1	S1	E	
Stygobromus emarginatus	Greenbrier Cave Amphipod	G3	S1	E	
Stygobromus felleri	Feller's Groundwater Amphipod	G1	S1	E	
Stygobromus foliatus	Rappahannock Spring Amphipod	G2	S1	E	
Stygobromus franzi	Franz's Cave Amphipod	G3G4	S2S3	I	
Stygobromus gracilipes	Shenandoah Valley Cave Amphipod	G3G4	S1	E	
Stygobromus indentatus	Tidewater Amphipod	G3	S1		
Stygobromus kenki	Rock Creek Groundwater Amphipod	G2	S1	E	
Stygobromus paxillus	Prettyboy Groundwater Amphipod	G1	S1	E	
Stygobromus pizzinii	Pizzini's Cave Amphipod	G3G4	S1	_	
Stygobromus sextarius	Capital Area Groundwater Amphipod	G1	S1	E	
Stygobromus sp. 5	Barrelville Amphipod	GNR	S1		
Stygobromus sp. 6	Devil's Hole Cave Amphipod	GNR	S1		
Stygobromus sp. 14	Roundtop Amphipod	GNR	S1		
Stygobromus tenuis potomacus	Potomac Amphipod	G4T4	S3		
Stygobromus tenuis tenuis	Slender Amphipod	G4T4	SU		
<u>SPIDERS</u>					
Oreonetides sp. 1	Snivelys Cave Spider	GNR	SU		
Porrhomma cavernicola	Appalachian Cave Spider	G5	S2		
<u>INSECTS</u>					
Coleoptera			_		
Cicindela abdominalis	Eastern Pinebarrens Tiger Beetle	G3G4	S1	E	
Cicindela ancocisconensis	Appalachian Tiger Beetle	G3	S1	E	
Cicindela dorsalis dorsalis	Northeastern Beach Tiger Beetle	G3G4T2	S1	E	LT
Cicindela dorsalis media	White Tiger Beetle	G3G4T3T4	S1	Е	
Cicindela formosa	Big Sand Tiger Beetle	G5	SU	_	
Cicindela lepida	Ghost Tiger Beetle	G3G4	S1	E	
Cicindela patruela	Northern Barrens Tiger Beetle	G3	S1	E E	
Cicindela puritana	Puritan Tiger Beetle	G1G2	S1S2	E	LT
Cicindela purpurea Cicindela scutellaris	Cow Path Tiger Beetle	G5 G5	S3 S3		
Cicindela scutellaris Cicindela splendida	Festive Tiger Beetle Splendid Tiger Beetle	G5 G5	S3 S1		
Cicindela spieridida Cicindela unipunctata	One-spotted Tiger Beetle	G4G5	S3		
Dryobius sexnotatus	Six-banded Longhorn Beetle	G4G5 GNR	S3 S1	Е	
Helops cisteloides	A Tenebrionid Beetle	GNR	S1	E	
Hoperius planatus	A Dytiscid Beetle	GNR	S2	_	
Hydrochara occultus	A Hydrophilid Beetle	GNR	SU		
Hydrochus spangleri	Seth Forest Water Scavenger Beetle	G1	S1	Е	
Hydrocolus deflatus	A Predaceous Diving Beetle	GNR	SNR	_	
Laccophilus schwarzi	Schwarz' Diving Beetle	GNR	SX		
Lucanus elaphus	Giant Stag Beetle	G3G5	SU		
Nephus gordoni	A Coccinellid Beetle	GNR	SU		
Nicrophorus americanus	American Burying Beetle	G2G3	SX	Χ	LE
Pseudanophthalmus sp. 15	Maryland Cave Beetle	G1	S1		
Schoenicus puberulus	A Tenebrionid Beetle	GNR	S1	Е	
Sperchopsis tessellatus	A Hydrophilid Beetle	GNR	S2		
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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Collembola					
Arrhopalites sp. 1	Crabtree Cave Springtail	GNR	SU		
Diptera					
Wyeomyia smithii	Pitcher-plant Mosquito	G5	S2		
Enhamarantara					
Ephemeroptera	Wolker's Tueked Sprawler	G5	SU		
Anthopotamus verticis	Walker's Tusked Sprawler				
Siphloplecton costalense	Speith's Great Speckled Olive Mayfly	G2G4	SNR		
Hemiptera					
Chlorotettix sp. 1	A Cicadellid Leafhopper	GNR	SU		
Limotettix minuendus	Eastern Sedge Barrens Leafhopper	G1	S1	E	
Hymenoptera					
Andrena braccata	A Mining Bee	GNR	SU		
Andrena braccata  Andrena fulvipennis	A Mining Bee	GNR	SU		
Bombus affinis	Rusty-patched Bumble Bee	G1	SH		
Bombus ashtoni	Ashton's Cuckoo Bumble Bee	G4	SH		
Bombus auricomus	Black and Gold Bumble Bee	G4G5	SU		
Bombus citrinus	Lemon Cuckoo Bumble Bee	G4G5	SU		
Bombus pensylvanicus	American Bumble Bee	G3G4	S2S3		
Bombus sandersoni	Sanderson's Bumble Bee	G4G5	S3		
Bombus terricola	Yellow-banded Bumble Bee	GU	S1		
Bombus vagans	Half-black Bumble Bee	G5	S3		
Bombus varjabilis	Variable Cuckoo Bumble Bee	GU	SH		
Colletes aestivalis	A Cellophane Bee	GNR	SH		
Dieunomia heteropoda	A Sweat Bee	GNR	SU		
Dieunomia nevadensis	A Sweat Bee	GNR	SU		
Epeoloides pilosula	Macropis Cuckoo Bee	GU	SH		
Lasioglossum arantium	A Sweat Bee	GNR	S2S3		
Lasioglossum georgeickworti	Macropis Cuckoo Bee	GNR	SU		
Lasioglossum marinum	An Oil-collecting Bee	GNR	SU		
Lasioglossum nymphale	An Oil-collecting Bee	GNR	S2S3		
Lasioglossum rahleighense	A Cuckoo Bee	GNR	SU		
Macropis ciliata	An Oil-collecting Bee	GNR	S1		
Macropis patellata	An Oil-collecting Bee	GNR	SH		
Nomada rubicunda	A Cuckoo Bee	GNR	S1S3		
Nomia maneei	Pearly-banded Bee	GNR	S1S3		
Osmia chalybea	A Mason Bee	G4	S1S3		
Protandrena abdominalis	A Mining Bee	GNR	SU		
Landantana B. 40.40					
Lepidoptera - Butterflies	D 10 1/ 01 :	0.5	00		
Amblyscirtes hegon	Pepper and Salt Skipper	G5	S2	I	
Anatrytone logan	Delaware Skipper	G5	S3	_	
Atlides halesus	Great Purple Hairstreak	G4G5	S1S2	T	
Autochton cellus	Golden-banded Skipper	G4	SH	Χ	
Boloria selene	Silver-bordered Fritillary	G5	S3	_	
Calephelis borealis	Northern Metalmark	G3G4	S2	T	
Callophrys hesseli	Hessel's Hairstreak	G3G4	SH	X	
Callophrys irus	Frosted Elfin	G3	S1	E	
Callophrys polios	Hoary Elfin	G5	S1	E	
Celastrina neglectamajor	Appalachian Blue	G4	S3S4	V	
Celastrina nigra	Dusky Azure	G4	SH	X	
Chlosyne harrisii	Harris's Checkerspot	G5	S2	Т	
Colias interior	Pink-edged Sulphur	G5 CU	S1	_	
Erora laeta	Early Hairstreak	GU	S1	E	

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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Erynnis martialis	Mottled Duskywing	G3	S1	E	
Euchloe olympia	Olympia Marble	G5	S2	1	
Euphydryas phaeton	Baltimore Checkerspot	G4	S2	•	
Euphyes bimacula	Two-spotted Skipper	G4	S1	Е	
Euphyes dion	Dion Skipper	G4	S3	_	
Glaucopsyche lygdamus	Silvery Blue	G5	S2	1	
		G5 G5	S1S3	1	
Hermeuptychia sosybius	Carolina Satyr	G5 G4	S133		
Hesperia leonardus	Leonard's Skipper	G4 G4	S2 S3		
Hesperia metea	Cobweb Skipper				
Hesperia sassacus	Indian Skipper	G4G5	S3	_	
Lycaena epixanthe	Bog Copper	G4G5	S1	E	
Nymphalis vaualbum	Compton Tortoiseshell	G5	S1	E	
Papilio cresphontes	Giant Swallowtail	G5	S2	<u> </u>	
Papilio palamedes	Palamedes Swallowtail	G4	S1	E	
Phyciodes batesii	Tawny Crescent	G4G5	SH	Χ	
Phyciodes cocyta	Northern Crescent	G5	SU		
Pieris virginiensis	West Virginia White	G3?	S1S2		
Poanes massasoit chermocki	Chermock's Mulberry Wing	G4T1	S1	E	
Polites mystic	Long Dash	G5	S3		
Polygonia progne	Gray Comma	G5	S3		
Problema bulenta	Rare Skipper	G2G3	S1	T	
Pyrgus wyandot	Appalachian Grizzled Skipper	G1G2Q	S1	E	
Satyrium caryaevorus	Hickory Hairstreak	G4	S1	E	
Satyrium edwardsii	Edwards' Hairstreak	G5	S1	E	
Satyrium favonius ontario	Northern Oak Hairstreak	G4G5T4	S1S2	E	
Satyrium kingi	King's Hairstreak	G3G4	S1	E	
Speyeria atlantis	Atlantis Fritillary	G5	S1	Т	
Speyeria idalia	Regal Fritillary	G3	SH	Χ	
opoyona raana	. togaa. y		• • • • • • • • • • • • • • • • • • • •		
Lepidoptera - Moths					
Agnorisma bollii	A Noctuid Moth	G4?	SU		
Apamea apamiformis	Rice Worm Moth	G4	S2S3		
Apamea plutonia	Dusky Apamea Moth	G4	SU		
Apodrepanulatrix liberaria	A Geometrid Moth	G3	SU		
Capis curvata	Curved Halter Moth	G4	S1S2		
Catocala marmorata	Marbled Underwing	G3G4	SH		
Catocala pretiosa pretiosa	Precious Underwing	G4T2	SH		
Ectoedemia castaneae	American Chestnut Nepticulid Moth	GH12	SH		
Ectoedemia castaneae  Ectoedemia phleophaga	Phleophagan Chestnut Nepticulid	GH	SH		
· · · · ·	Moth				
Elaphria georgei	George's Midget Moth	G4	SU		
Erastria coloraria	Broad-lined Catopyrrha	G3G4	SH		
Euchlaena milnei	A Geometrid Moth	G2G4	SNR		
Hadena ectypa	A Noctuid Moth	G3G4	SU		
Hemaris gracilis	Slender Clearwing	G3G4	SNR		
Hemipachnobia subporphyrea	Venus Flytrap Cutworm	G1	SNR		
Isoparce cupressi	Cypress Sphinx Moth	G4	S1S2		
Lithophane lemmeri	Lemmer's Noctuid Moth	G3G4	SNR		
Lytrosis sinuosa	Sinuous Lytrosis Moth	G4	S1S3		
Melanapamea mixta	A Noctuid Moth	GU	S1		
Meropleon ambifusca	Newman's Brocade	G3G4	SU		
Meropleon cosmion	A Noctuid Moth	G4	SNR		
Meropleon titan	A Noctuid Moth	G2G4	S2S4		
Papaipema araliae	Aralia Shoot Borer Moth	G3G4	SNR		
Papaipema duovata	Seaside Goldenrod Stem Borer	G3G+ G4	SU		
Papaipema polymniae	Polymnia Stalk Borer	G4?	SH		
Psectraglaea carnosa	Pink Sallow	G4 ! G3	SNR		
r sectiagiaea carriosa	FILIK Sallow	33	SINIC		

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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Ptichodis bistrigata	Southern Ptichodis	G3	SNR		
Pyrrhia aurantiago	Aureolaria Seed Borer	G3G4	SNR		
Schizura apicalis	Plain Schizura	G3G4	SNR		
Sphinx franckii	Franck's Sphinx	G4G5	S1S2		
Zale lunifera	Bold-based Zale Moth	G3G4	SNR		
Zale submediana	A Noctuid Moth	G3G4 G4	S1S3		
Zale Subilieulalia	A Noctula Motif	G <del>4</del>	3133		
Odonata					
Aeshna canadensis	Canada Darner	G5	S2		
Aeshna constricta	Lance-tipped Darner	G5	SH		
Aeshna tuberculifera	Black-tipped Darner	G4	S2		
Aeshna verticalis	Green-striped Darner	G5	S2		
Amphiagrion saucium	Eastern Red Damsel	G5	S3S4		
Anax longipes	Comet Darner	G5	S3		
Archilestes grandis	Great Spreadwing	G5	S3		
Argia bipunctulata	Seepage Dancer	G4	S3		
Argia sedula	Blue-ringed Dancer	G5	S3		
Boyeria grafiana	Ocellated Darner	G5	S1		
Brachymesia gravida	Four-spotted Pennant	G5	S3S4		
Calopteryx amata	Superb Jewelwing	G4	S1S2	Т	
Calopteryx angustipennis	Appalachian Jewelwing	G4	S1S2	•	
Calopteryx dimidiata	Sparkling Jewelwing	G5	S2		
Celithemis bertha	Red-veined Pennant	G5	S1		
Celithemis fasciata	Banded Pennant	G5	S3		
Celithemis martha	Martha's Pennant	G4	S1		
Celithemis ornata	Faded Pennant	G5	SH		
Celithemis verna	Double-ringed Pennant	G5	S2		
	Aurora Damsel	G5 G5	S3S4		
Chromagrion conditum			S3S4 S3		
Cordulegaster bilineata	Brown Spiketail	G5			
Cordulagaster diastatops	Delta-spotted Spiketail	G5 G4	S3S4		
Cordulegaster erronea	Tiger Spiketail		S3		
Cordulegaster obliqua obliqua	Arrowhead Spiketail	G4T4	S2		
Cordulegaster obliqua fasciata	Banded Spiketail	G4T3Q	S1		
Cordulia shurtleffii	American Emerald	G5	S3		
Dorocordulia lepida	Petite Emerald	G5	SH		
Enallagma annexum	Northern Bluet	G5	S1		
Enallagma antennatum	Rainbow Bluet	G5	S1		
Enallagma carunculatum	Tule Bluet	G5	S1		
Enallagma daeckii	Attenuated Bluet	G4	S3		
Enallagma divagans	Turquoise Bluet	G5	S3S4		
Enallagma doubledayi	Atlantic Bluet	G5	S1		
Enallagma dubium	Burgundy Bluet	G5	S1		
Enallagma durum	Big Bluet	G5	S3		
Enallagma ebrium	Marsh Bluet	G5	SH		
Enallagma pallidum	Pale Bluet	G4	S1		
Enallagma traviatum	Slender Bluet	G5	S3		
Enallagma vesperum	Vesper Bluet	G5	S3		
Enallagma weewa	Blackwater Bluet	G5	S2		
Epitheca canis	Beaverpond Baskettail	G5	S3		
Epitheca costalis	Slender Baskettail	G5	S1		
Epitheca semiaquea	Mantled Baskettail	G5	SH		
Epitheca spinosa	Robust Baskettail	G4	S1S2		
Erpetogomphus designatus	Eastern Ringtail	G5	S2		
Erythrodiplax minuscula	Little Blue Dragonlet	G5	S1		
Gomphaeschna antilope	Taper-tailed Darner	G4	S2		
Gomphaeschna furcillata	Harlequin Darner	G5	S3S4		
Gomphus abbreviatus	Spine-crowned Clubtail	G4	S1		
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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Gomphus adelphus	Mustached Clubtail	G4G5	S1		
Gomphus descriptus	Harpoon Clubtail	G4	S1S2		
Gomphus fraternus	Midland Clubtail	G5	S2		
Gomphus lineatifrons	Splendid Clubtail	G4	S1		
Gomphus parvidens	Piedmont Clubtail	G4	SH	Χ	
Gomphus quadricolor	Rapids Clubtail	G3G4	S2	1	
Gomphus rogersi	Sable Clubtail	G4	S2	1	
Gomphus ventricosus	Skillet Clubtail	G3	SH	X	
Gomphus viridifrons	Green-faced Clubtail	G3G4	S1		
Helocordulia selysii	Selys' Sundragon	G4	S2	Т	
Helocordulia uhleri	Uhler's Sundragon	G5	S3		
Hetaerina titia	Smoky Rubyspot	G5	SH		
Ischnura kellicotti	Lilypad Forktail	G5	S3S4		
Ischnura prognata	Furtive Forktail	G4	S1		
Ladona exusta	White Corporal	G5	S1	Е	
Ladona julia	Chalk-fronted Skimmer	G5	S3	_	
Lanthus parvulus	Northern Pygmy Clubtail	G4G5	S2		
Lanthus vernalis	Southern Pygmy Clubtail	G4	S2		
Lestes congener	Spotted Spreadwing	G5	S3		
Lestes dryas	Emerald Spreadwing	G5	SH		
Lestes eurinus	Amber-winged Spreadwing	G5	S3		
Lestes edimas Lestes forcipatus	Sweetflag Spreadwing	G5	S3		
Lestes infuiculatus	Lyre-tipped Spreadwing	G5	SH		
Leucorrhinia frigida	Frosted Whiteface	G5	S1		
Leucorrhinia mgida Leucorrhinia glacialis	Crimson-ringed Whiteface	G5	S1		
Leucorrhinia giacialis Leucorrhinia hudsonica	Hudsonian Whiteface	G5 G5	S1		
Leucorrhinia intacta	Dot-tailed Whiteface	G5 G5	S3		
	Golden-winged Skimmer	G5 G5	S3		
Libellula auripennis Libellula axilena	<del>-</del>	G5 G5	S3		
	Bar-winged Skimmer	G5 G5			
Libellula flavida	Yellow-sided Skimmer	G5 G4	S2S3 S2		
Macromia alleghaniensis	Allegheny River Cruiser		S3S4		
Macromia illinoiensis georgina	Georgia River Cruiser	G5T5 G5	S3S4		
Macromia taeniolata Nannothemis bella	Royal River Cruiser Elfin Skimmer	G5 G4	S3 S1	Е	
		G5	S3S4	_	
Nasiaeschna pentacantha	Cyrano Darner				
Nehalennia gracilis	Sphagnum Sprite	G5	S2		
Nehalennia integricollis	Southern Sprite	G5	S1S2		
Nehalennia irene	Sedge Sprite	G5	S3		
Neurocordulia obsoleta	Umber Shadowdragon	G5	S3		
Neurocordulia yamaskanensis	Stygian Shadowdragon	G5	S3		
Ophiogomphus insuratus insuratus	Pygmy Snaketail	G3	S1	Е	
Ophiogomphus incurvatus incurvatus	Appalachian Snaketail	G3T2T3	S1	_	
Ophiogomphus mainensis fastigiatus	Maine Snaketail	G4TU	S1		
Ophiogomphus rupinsulensis	Rusty Snaketail	G5	S2		
Ophiogomphus sp. 1	Chesapeake Snaketail	G1	S1		
Progomphus obscurus	Common Sanddragon	G5	S3	_	
Rhionaeschna mutata	Spring Blue Darner	G4	S1	E	
Somatochlora elongata	Ski-tailed Emerald	G5	S2		
Somatochlora filosa	Fine-lined Emerald	G5	S2		
Somatochlora georgiana	Coppery Emerald	G3G4	S1		
Somatochlora linearis	Mocha Emerald	G5	S3S4	_	
Somatochlora provocans	Treetop Emerald	G4	S1	E	
Somatochlora walshii	Brush-tipped Emerald	G5	S1	V	
Stylurus amnicola	Riverine Clubtail	G4	SH	Χ	
Stylurus laurae	Laura's Clubtail	G4	S2S3		
Stylurus plagiatus	Russet-tipped Clubtail	G5	S3		
Stylurus scudderi	Zebra Clubtail	G4G5	S1		

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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS	
Stylurus spiniceps	Arrow Clubtail	G5	S3			
Sympetrum ambiguum	Blue-faced Meadowhawk	G5	S3S4			
Sympetrum obtrusum	White-faced Meadowhawk	G5	S3			
Sympetrum semicinctum	Band-winged Meadowhawk	G5	S3			
Tachopteryx thoreyi	Gray Petaltail	G4	S3			
Telebasis byersi	Duckweed Firetail	G5	S1			
Plecoptera						
Alloperla aracoma	Aracoma Sallfly	G3	SNR			
Alloperla biserrata	Dusky Sallfly	G3	SNR			
Megaleuctra flinti	Shenandoah Needlefly	G2	SNR			
Sweltsa palearata	Shenandoah Sallfly	G2G3	SNR			
Sweltsa pocahontas	Pocahontas Sallfly	G2	SNR			
Utaperla gaspesiana	Gaspe Sallfly	G3	SNR			
Trichoptera						
Ceraclea spongillovorax	A Caddisfly	G3G4	SNR			
Ceraclea uvalo	A Caddisfly	G2G4	SNR			
Cernotina pallida	A Caddisfly	G3G4	SNR			
Cheumatopsyche parentum	A Caddisfly	G3	SNR			
Culoptila plummerensis	A Caddisfly	G1G2	SNR			
Hydropsyche brunneipennis	A Scalaris Trichopteran	G3G4	S3			
Hydropsyche hoffmani	A Caddisfly	G3G4	SNR			
Protoptila georgiana	A Caddisfly	G3G4	SNR			
<u>FISHES</u>						
Acantharchus pomotis	Mud Sunfish	G4G5	S2	I		
Acipenser brevirostrum	Shortnose Sturgeon	G3	S1	E	LE	
Acipenser oxyrinchus	Atlantic Sturgeon	G3	S1	E	LE	
Ameiurus catus	White Catfish	G5	SU			
Amia calva	Bowfin	G5	S1?			
Catostomus catostomus	Longnose Sucker	G5	SH	X		
Centrarchus macropterus	Flier	G5	S1S2	Т		
Clinostomus elongatus	Redside Dace	G3G4	SX?			
Cottus bairdii	Mottled Sculpin	G5	S3S4			
Cottus sp. 7	Checkered Sculpin	G4Q	S1S2			
Enneacanthus chaetodon	Blackbanded Sunfish	G3G4	S1	E		
Enneacanthus gloriosus	Bluespotted Sunfish	G5	S3S4			
Enneacanthus obesus	Banded Sunfish	G5	S2			
Etheostoma fusiforme	Swamp Darter	G5	S2	1		
Etheostoma nigrum	Johnny Darter	G5	S3			
Etheostoma sellare	Maryland Darter	GH	SH	E	LE	
Etheostoma vitreum	Glassy Darter	G4G5	S1S2	Т		
Fundulus luciae	Spotfin Killifish	G4	S2?			
Lepisosteus osseus	Longnose Gar	G5	S2?			
Lepomis gulosus	Warmouth	G5	S3?			
Lethenteron appendix	American Brook Lamprey	G4	S1S2	Т		
Luxilus chrysocephalus	Striped Shiner	G5	S1S2	1		
Margariscus margarita	Pearl Dace	G4	S1S2	T		
Notropis amoenus	Comely Shiner	G5	S3			
Notropis bifrenatus	Bridle Shiner	G3	SH	X		
Notropis chalybaeus	Ironcolor Shiner	G4	S1	E		
Noturus flavus	Stonecat	G5	S1	Е		
Pararhinichthys bowersi	Cheat Minnow	G1G2Q	SX	X		
Percina bimaculata	Chesapeake Logperch	G1G2	S1S2	T		
Percina notogramma	Stripeback Darter	G4	S1	E		

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SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Percina peltata	Shield Darter	G5	S3		
Percopsis omiscomaycus	Trout-perch	G5	SX	Χ	
Salvelinus fontinalis	Brook Trout	G5	S3S4		
<u>AMPHIBIANS</u>					
Ambystoma jeffersonianum	Jefferson Salamander	G4	S3		
Ambystoma tigrinum	Eastern Tiger Salamander	G5	S2	Е	
Aneides aeneus	Green Salamander	G3G4	S2	E	
Cryptobranchus alleganiensis	Eastern Hellbender	G3G4	S1	Е	
Gastrophryne carolinensis	Eastern Narrow-mouthed Toad	G5	S1S2	Е	
Hyla gratiosa	Barking Treefrog	G5	S1	E	
Lithobates virgatipes	Carpenter Frog	G4	S3		
Necturus maculosus	Common Mudpuppy	G5	S1	X	
Plethodon wehrlei	Wehrle's Salamander	G4	S2	I	
Pseudacris brachyphona	Mountain Chorus Frog	G5	S1	E	
REPTILES					
Apalone spinifera	Eastern Spiny Softshell	G5	S1	1	
Caretta caretta	Loggerhead Sea Turtle	G3	S1B	T	LT
Cemophora coccinea	Scarletsnake	G5	S3	•	
Chelonia mydas	Green Sea Turtle	G3	S1N	Т	LT
Crotalus horridus	Timber Rattlesnake	G4	S3	•	
Dermochelys coriacea	Leatherback Sea Turtle	G2	S1N	E	LE
Eretmochelys imbricata	Atlantic Hawksbill Sea Turtle	G3	SRN	E	LE
Farancia erytrogramma	Rainbow Snake	G4	S1	E	
Glyptemys muhlenbergii	Bog Turtle	G3	S2	T	LT
Graptemys geographica	Northern Map Turtle	G5	S1	E*	
Lepidochelys kempii	Kemp's Ridley Sea Turtle	G1	S1N	E	LE
Nerodia erythrogaster	Plain-bellied Watersnake	G5	S2S3	_	
Pituophis melanoleucus	Northern Pinesnake	G4	SH		
Plestiodon anthracinus	Northern Coal Skink	G5	S1	Е	
Virginia valeriae pulchra	Mountain Earthsnake	G5T3T4	S1S2	E	
BIRDS					
		_			
Accipiter gentilis	Northern Goshawk	G5	S1B	E*	
Accipiter striatus	Sharp-shinned Hawk	G5	S2S3B		
Actitis macularius	Spotted Sandpiper	G5	S3S4B		
Aegolius acadicus	Northern Saw-whet Owl	G5	S1B		
Ammodramus caudacutus	Saltmarsh Sparrow	G4	S2B		
Ammodramus henslowii	Henslow's Sparrow	G4	S2B	I	
Anas discors	Blue-winged Teal	G5	S1B		
Anas strepera	Gadwall	G5	S2B		
Antrostomus vociferus	Eastern Whip-poor-will	G5	S3S4B		
Ardea alba	Great Egret	G5	S3S4B	_	
Asio flammeus	Short-eared Owl	G5	S1B	E	
Asio otus	Long-eared Owl	G5	S1B	_	
Bartramia longicauda	Upland Sandpiper	G5	S1B	E	
Botaurus lentiginosus	American Bittern	G4	S1B	T	
Calidris canutus rufa	Red Knot	G4T2	S1M	(T)	LT . <b>–</b>
Campephilus principalis	Ivory-billed Woodpecker	G1	SX	X	LE
Cardellina canadensis	Canada Warbler	G5	S3B		
Carpodacus purpureus	Purple Finch	G5	S3B		
Catharus ustulatus	Swainson's Thrush	G5	SHB	X	
Certhia americana	Brown Creeper	G5	S3B	_	
Charadrius melodus	Piping Plover	G3	S1B	E	LT
Charadrius wilsonia	Wilson's Plover	G5	S1B	E	

SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS
Chondestes grammacus	Lark Sparrow	G5	SXB	Χ	
Chordeiles minor	Common Nighthawk	G5	S2S3B		
Circus cyaneus	Northern Harrier	G5	S2B	1	
Cistothorus platensis	Sedge Wren	G5	S1B	E	
Contopus cooperi	Olive-sided Flycatcher	G4	SHB	X	
Corvus corax	Common Raven	G5	S3S4		
Dolichonyx oryzivorus	Bobolink	G5	S3S4B		
Egretta caerulea	Little Blue Heron	G5	S3B		
Egretta thula	Snowy Egret	G5	S3B		
Egretta tricolor	Tricolored Heron	G5	S3B		
Empidonax alnorum	Alder Flycatcher	G5	S2B	I	
Empidonax minimus	Least Flycatcher	G5	S3S4B		
Falco peregrinus anatum	American Peregrine Falcon	G4T4	S2B	I	
Fulica americana	American Coot	G5	S1B		
Gallinula galeata	Common Gallinule	G5	S2S3B	I	
Gelochelidon nilotica	Gull-billed Tern	G5	S1B	E	
Geothlypis philadelphia	Mourning Warbler	G5	S1B	Е	
Haematopus palliatus	American Oystercatcher	G5	S3B		
Haliaeetus leucocephalus	Bald Eagle	G5	S3S4		
Himantopus mexicanus	Black-necked Stilt	G5	S1B		
Ixobrychus exilis	Least Bittern	G5	S2S3B	I	
Junco hyemalis	Dark-eyed Junco	G5	S3B	_	
Lanius Iudovicianus	Loggerhead Shrike	G4	S1B	E	
Laterallus jamaicensis	Black Rail	G3G4	S1	E	
Leucophaeus atricilla	Laughing Gull	G5	S1B	_	
Limnothlypis swainsonii	Swainson's Warbler	G4	S1B	E	
Lophodytes cucullatus	Hooded Merganser	G5	S3B		
Melospiza georgiana nigrescens	Coastal Plain Swamp Sparrow	G5T3	S2S3B	I	
Mergus merganser	Common Merganser	G5	S2B	V	
Numenius borealis	Eskimo Curlew	GH	SXM	Χ	LE
Nyctanassa violacea	Yellow-crowned Night-Heron	G5	S3B		
Nycticorax nycticorax	Black-crowned Night-Heron	G5	S3B	-	
Oreothlypis ruficapilla Parkesia noveboracensis	Nashville Warbler Northern Waterthrush	G5 G5	S1B S2B	T	
Pelecanus occidentalis	Brown Pelican	G3 G4	S2B S1B	ı	
	Bachman's Sparrow	G3	SHB	Χ	
Peucaea aestivalis Picoides borealis	Red-cockaded Woodpecker	G3	SHB	X	LE
Plegadis falcinellus	Glossy Ibis	G5	S3B	^	LE
Podilymbus podiceps	Pied-billed Grebe	G5	S2S3B		
Porzana carolina	Sora	G5	S2B		
Rallus elegans	King Rail	G4	S2B		
Regulus satrapa	Golden-crowned Kinglet	G5	S3B		
Riparia riparia	Bank Swallow	G5	S3B		
Rynchops niger	Black Skimmer	G5	S1B	Е	
Setophaga caerulescens	Black-throated Blue Warbler	G5	S3S4B	_	
Setophaga cerulea	Cerulean Warbler	G4	S3B		
Setophaga coronata	Yellow-rumped Warbler	G5	S2B		
Setophaga fusca	Blackburnian Warbler	G5	S3B		
Setophaga magnolia	Magnolia Warbler	G5	S3S4B		
Setophaga virens waynei	Wayne's Black-throated Green	G5T3	SUB		
Cotopinaga imenie majiner	Warbler	30.0	002		
Sitta canadensis	Red-breasted Nuthatch	G5	S3B		
Sphyrapicus varius	Yellow-bellied Sapsucker	G5	S1B		
Spinus pinus	Pine Siskin	G5	S2B		
Spiza americana	Dickcissel	G5	S3B		
Sterna dougallii	Roseate Tern	G4	SXB	Χ	LE
Sterna forsteri	Forster's Tern	G5	S2B	l l	
:=::=:=:=::					

SCIENTIFIC NAME COMMON NAME		GLOBAL RANK	STATE RANK	STATE STATUS	FEDERAL STATUS	
Sterna hirundo	na hirundo Common Tern		S1B	Е		
Sternula antillarum	Least Tern	G5 G4	S2B	T		
Thalasseus maximus	Royal Tern	G5	S1B	E		
Thalasseus sandvicensis	Sandwich Tern	G5	S1B	_		
Thryomanes bewickii altus	Appalachian Bewick's Wren	G5T2Q	SXB	Χ		
Troglodytes hiemalis	Winter Wren	G5	S2B			
Tympanuchus cupido	Greater Prairie Chicken	G4	SX	Χ		
Tyto alba	Barn Owl	G5	S2B	Ī		
Vermivora chrysoptera	Golden-winged Warbler	G4	S2B	1		
	G					
MAMMALS						
Balaenoptera borealis	Sei Whale	G3	S1	E	LE	
Balaenoptera musculus	Blue Whale	G3G4	S1	Е	LE	
Balaenoptera physalus	Fin Whale	G3G4	S1S2	E	LE	
Bos bison	American Bison	G4	SX			
Canis lupus	Gray Wolf	G4G5	SX	X	LE	
Cervus elaphus	Elk	G5	SX	Χ		
Condylura cristata parva	Southeastern Star-nosed Mole	G5T4	SU			
Erethizon dorsatum	North American Porcupine	G5	S3S4	_	. –	
Eubalaena glacialis	North Atlantic Right Whale	G1	S1	Е	LE	
Lasionycteris noctivagans	Silver-haired Bat	G3G4	SU			
Lasiurus borealis	Eastern Red Bat	G3G4	S3S4			
Lasiurus cinereus	Hoary Bat	G3G4	S3S4	V		
Lepus americanus	Snowshoe Hare	G5	SH	X		
Lynx rufus	Bobcat	G5 G5	S3 SX	l v		
Martes americana	American Marten	G5 G4	SX S1S2	X E	LE	
Megaptera novaeangliae Mesoplodon europaeus	Humpback Whale Gervais' Beaked Whale	G4 G3	SNR	_	LE	
Microtus chrotorrhinus carolinensis	Southern Rock Vole	G4T3	SINK S1	E		
Myotis leibii	Eastern Small-footed Myotis	G4	S1	E		
Myotis lucifugus	Little Brown Bat	G3	S1	_		
Myotis septentrionalis	Northern Long-eared Bat	G1G2	S1	Т	LT	
Myotis sodalis	Indiana Bat	G2	S1	E	LE	
Mustela nivalis	Least Weasel	G5	S2S3	ī		
Neotoma magister	Allegheny Woodrat	G3G4	S1	E		
Perimyotis subflavus	Tricolored Bat	G2G3	S1			
Physeter catodon	Sperm Whale	G3G4	S1	E	LE	
Puma concolor couguar	Eastern Cougar	G5THQ	SH	X	LE	
Reithrodontomys humulis	Eastern Harvest Mouse	G5	SH	X		
Sciurus niger cinereus	Delmarva Fox Squirrel	G5T3	S1	I		
Sorex dispar	Long-tailed Shrew	G4	S2	1		
Sorex fumeus	Smoky Shrew	G5	S2S3	1		
Sorex hoyi winnemana	Southern Pygmy Shrew	G5T4	S2			
Sorex longirostris	Southeastern Shrew	G5	S3S4			
Sorex palustris punctulatus	Southern Water Shrew	G5T3	S1	Е		
Spilogale putorius	Eastern Spotted Skunk	G4	S1			
Synaptomys cooperi	Southern Bog Lemming	G5	S3			
Sylvilagus obscurus	Appalachian Cottontail	G4	S1	I		
Ursus americanus	American Black Bear	G5	S3S4			

		CURRENT	FORMER	STATE	FORMER
SCIENTIFIC NAME	COMMON NAME	RANK	RANK	STATUS	STATUS
<u>PLANARIANS</u>					
Sphalloplana buchanani Sphalloplana pricei	A Cave Obligate Planarian Refton Cave Planarian	SNR SNR	NEW NEW		
<u>MOLLUSKS</u>					
Catinella hubrichti	Snowhill Ambersnail	SNR	NEW		
Oxyloma effusum	Coastal-plain Ambersnail	SNR	NEW		
Oxyloma subeffusum	Chesapeake Ambersnail	SNR	NEW		
Paravitrea pontis	Natural Bridge Supercoil	SNR	NEW		
CRUSTACEANS					
Acanthocyclops columbiensis	A Copepod	SNR	NEW		
Caecidotea alleghenyensis	Allegheny Spring Isopod	S1	S2	E	
Caecidotea holsingeri	Holsinger's Cave Isopod	S1	S1	E	
Caecidotea nordeni	Norden's Groundwater Isopod	SH	S1	X	
Cambarus acuminatus	Acuminate Crayfish An Ostracod	S2 SNR	S3 NEW	I	
Donnaldsoncythere donnaldsonensis Stygobromus amicus	Friendly Cave Amphipod	SINK S1	NEW	Е	
Stygobromus caecilius	Cecil Groundwater Amphipod	S1	NEW	E	
Stygobromus felleri	Feller's Groundwater Amphipod	S1	NEW	E	
Stygobromus foliatus	Rappahannock Spring Amphipod	S1	NEW	E	
Stygobromus paxillus	Prettyboy Groundwater Amphipod	S1	NEW	Е	
<u>SPIDERS</u>					
Sphodros rufipes	Red-legged Purse-web Spider	SU	S1S2		
<u>INSECTS</u>					
Ephemeroptera					
Siphloplecton costalense	Speith's Great Speckled Olive Mayfly	SNR	NEW		
Hymenoptera					
Andrena braccata	A Mining Bee	SU	NEW		
Andrena fulvipennis	A Mining Bee	SU	NEW		
Bombus affinis	Rusty-patched Bumble Bee	SH	NEW		
Bombus ashtoni	Ashton's Cuckoo Bumble Bee	SH	NEW		
Bombus auricomus Bombus citrinus	Black and Gold Bumble Bee Lemon Cuckoo Bumble Bee	SU SU	NEW NEW		
Bombus pensylvanicus	American Bumble Bee	S2S3	NEW		
Bombus sandersoni	Sanderson's Bumble Bee	S3	NEW		
Bombus terricola	Yellow-banded Bumble Bee	S1	NEW		
Bombus vagans	Half-black Bumble Bee	S3	NEW		
Bombus variabilis	Variable Cuckoo Bumble Bee	SH	NEW		
Colletes aestivalis	A Cellophane Bee	SH	NEW		
Dieunomia heteropoda	A Sweat Bee	SU	NEW		
Dieunomia nevadensis	A Sweat Bee	SU	NEW		
Epeoloides pilosula	Macropis Cuckoo Bee	SH	NEW		
Lasioglossum arantium	A Sweat Bee	S2S3	NEW		
Lasioglossum georgeickworti Lasioglossum marinum	Macropis Cuckoo Bee	SU SU	NEW NEW		
Lasioglossum nymphale	An Oil-collecting Bee An Oil-collecting Bee	S2S3	NEW		
Lasiogiossum raleighense	A Cuckoo Bee	SU	NEW		
Macropis ciliata	An Oil-collecting Bee	S1	NEW		

SCIENTIFIC NAME	ME COMMON NAME		FORMER RANK	STATE STATUS	FORMER STATUS
Macropis patellata	An Oil-collecting Bee	SH	NEW		
Nomada rubicunda	A Cuckoo Bee	S1S3	NEW		
Nomia maneei	Pearly-banded Bee	S1S3	NEW		
Osmia chalybea	A Mason Bee	S1S3	NEW		
Protandrena abdominalis	A Mining Bee	SU	NEW		
	· ·				
Lepidoptera – Butterflies					
Anatrytone logan	Delaware Skipper	S3	S4		
Hesperia leonardus	Leonard's Skipper	S2	S4		
Polygonia progne	Gray Comma	S3	S1S3		
Lepidoptera – Moths		0115			
Euchlaena milnei	A Geometrid Moth	SNR	NEW		
Hemaris gracilis	Slender Clearwing	SNR	NEW		
Hemipachnobia subporphyrea	Venus Flytrap Cutworm	SNR	NEW		
Meropleon cosmion	A Noctuid Moth	SNR	NEW		
Psectraglaea carnosa	Pink Sallow	SNR	NEW		
Schizura apicalis	Plain Schizura	SNR	NEW		
Zale lunifera	Bold-based Zale Moth	SNR	NEW		
Odonata					
Celithemis bertha	Red-veined Pennant	S1	NEW		
Ophiogomphus howei	Pygmy Snaketail	S1	NEW		
Somatochlora georgiana	Coppery Emerald	S1	NEW		
Gomatoemora georgiana	Coppery Emeraid	01	INLVV		
Plecoptera					
Alloperla aracoma	Aracoma Sallfly	SNR	NEW		
Alloperla biserrata	Dusky Sallfly	SNR	NEW		
Megaleuctra flinti	Shenandoah Needlefly	SNR	NEW		
Sweltsa palearata	Shenandoah Sallfly	SNR	NEW		
Sweltsa pocahontas	Pocahontas Sallfly	SNR	NEW		
Utaperla gaspesiana	Gaspe Sallfly	SNR	NEW		
Trichoptera					
Ceraclea spongillovorax	A Caddisfly	SNR	NEW		
Ceraclea uvalo	A Caddisfly	SNR	NEW		
Cernotina pallida	A Caddisfly	SNR	NEW		
Cheumatopsyche parentum	A Caddisfly	SNR	NEW		
Culoptila plummerensis	A Caddisfly	SNR	NEW		
Hydropsyche hoffmani	A Caddisfly	SNR	NEW		
Protoptila georgiana	A Caddisfly	SNR	NEW		
EIGU					
<u>FISH</u>					
Notropis amoenus	Comely Shiner	S3	S2	Delisted	T
REDTII ES					
REPTILES		<b>a.a</b> a.a	0.4	_	_
Caretta caretta	Loggerhead Sea Turtle	S1B,S1S2N	S1	T	T
Dermochelys coriacea	Leatherback Sea Turtle	S1N	S1	E	E
BIRDS					
Accipiter striatus	Sharp-shinned Hawk	S2S3B	S1S2B		
Ammodramus caudacutus	Saltmarsh Sparrow	S2B,S1N	S3B,S1N	I	

SCIENTIFIC NAME COMMON NAME		CURRENT RANK	FORMER RANK	STATE STATUS	FORMER STATUS
Ammodramus henslowii	Henslow's Sparrow	S2B	S1S2B	I	T
Anas discors	Blue-winged Teal	S1B	S2B		
Ardea alba	Great Egret	S3S4B	S4B		
Asio otus	Long-eared Owl	S1B	SHB,S1N		
Botaurus lentiginosus	American Bittern	S1B	S1S2B	T	I
Calidris canutus rufa	Red Knot	S1M	SZN	(T)	
Catharus guttatus	Hermit Thrush	S4B	S3S4B		
Catharus ustulatus	Swainson's Thrush	SHB	SXB	X	
Certhia americana	Brown Creeper	S3B	S4		
Chordeiles minor	Common Nighthawk	S2S3B	S3S4B		
Corvus corax	Common Raven	S3S4	S2		
Egretta thula	Snowy Egret	S3B	S3S4B		
Fulica americana	American Coot	S1B	SAB,S3N		
Gallinula galeata	Common Gallinule	S2S3B	S2B,SAN	1	I
Haliaeetus leucocephalus	Bald Eagle	S3S4	S3.1B		
Himantopus mexicanus	Black-necked Stilt	S1B	SNA		
Junco hyemalis	Dark-eyed Junco	S3B	S2B,S5N		
Lophodytes cucullatus	Hooded Merganser	S3B	S1B		
Melospiza georgiana nigrescens	Coastal Plain Swamp Sparrow	S2S3B	S2B,SZN	1	I
Numenius borealis	Eskimo Curlew	SXM	SXN	X	X
Nyctanassa violacea	Yellow-crowned Night-Heron	S3B	S2B		
Oreothlypis ruficapilla	Nashville Warbler	S1B	S1S2B	Т	I
Parkesia noveboracensis	Northern Waterthrush	S2B	S2S3B	1	
Passerculus sandwichensis	Savannah Sparrow	S4	S3S4B,S4	N	
Plegadis falcinellus	Glossy Ibis	S3B	S4B		
Podilymbus podiceps	Pied-billed Grebe	S2S3B	S2B		
Pooecetes gramineus	Vesper Sparrow	S4B	S3S4B,S2	N	
Porzana carolina	Sora	S2B	S1B,S1N		
Rallus elegans	King Rail	S2B	S3S4B,S2	N	
Regulus satrapa	Golden-crowned Kinglet	S3B	S2B,S4N		
Riparia riparia	Bank Swallow	S3B	S3S4B		
Setophaga fusca	Blackburnian Warbler	S3B	S1S2B	Delisted	Т
Sitta canadensis	Red-breasted Nuthatch	S3B	S1B,S3N		
Sphyrapicus varius	Yellow-bellied Sapsucker	S1B	SHB,S3N		
Spinus pinus	Pine Siskin	S2B	SAB,S1S2	N	
Spiza americana	Dickcissel	S3B	S2B		
Sterna dougallii	Roseate Tern	SXB	SHB	X	X
Sterna forsteri	Forster's Tern	S2B	S4B	I	
Sterna hirundo	Common Tern	S1B	S4B	E	
Thryomanes bewickii altus	Appalachian Bewick's Wren	SXB	S1B	X	E
Tyto alba	Barn Owl	S2	S3	1	
Vermivora chrysoptera	Golden-winged Warbler	S2B	S3B	1	
MAMMALS					
Balaenoptera borealis	Sei Whale	S1	SZN	E	E
Balaenoptera musculus	Blue Whale	S1	SZN	E	E
Balaenoptera physalus	Fin Whale	S1S2	SZN	E	E
Erethizon dorsatum	North American Porcupine	S3S4	S1S2	Delisted	1
Eubalaena glacialis	North Atlantic Right Whale	S1	SZN	E	E
Lasionycteris noctivagans	Silver-haired Bat	SU	SPB,S5N		
Lasiurus borealis	Eastern Red Bat	S3S4	S5B,S5N		
Lasiurus cinereus	Hoary Bat	S3S4	SPB,S5N		
Lasiurus seminolus	Seminole Bat	SR	SNR		

		CURRENT	FORMER	STATE	FORMER
SCIENTIFIC NAME	COMMON NAME	RANK	RANK	STATUS	STATUS
Megaptera novaeangliae	Humpback Whale	S1S2	SZN	E	E
Mesoplodon europaeus	Gervais' Beaked Whale	SNR	NEW		
Myotis austroriparius	Southeastern Myotis	SR	SP		
Myotis lucifugus	Little Brown Bat	S1	S5B,S5N		
Myotis septentrionalis	Northern Long-eared Bat	S1	S4B,S4N	Т	
Perimyotis subflavus	Tricolored Bat	S1	S5B,S5N		
Physeter catodon	Sperm Whale	S1	SZN	E	E

# ANIMAL SPECIES REPORTED, FALSELY REPORTED, OR POTENTIALLY OCCURRING IN MARYLAND

The following species do not regularly occur in Maryland based on currently available information. Although not exhaustive, the list is included to provide clarification for those species whose rank in Maryland may be unclear due to conflicting reports or vague published accounts. For those species with a rank of SR, only unverified reports exist. Species with a rank of SRF have been falsely reported, and the error may persist in the literature. The list is also provided to bring attention to those species that potentially occur in Maryland (SP) and, if documented, their presence could have significant conservation value.

SCIENTIFIC NAME	COMMON NAME	STATE RANK
MOLLUSKS		
Alasmidonta marginata	Elktoe	SRF
<u>INSECTS</u>		
Coleoptera		
Photuris bethaniensis	A Lampyrid Firefly	SP
Lepidoptera – Butterflies		
Calephelis virginiensis	Little Metalmark	SR
Cyllopsis gemma	Gemmed Satyr	SR
Neonympha mitchellii	Mitchell's Satyr	SR
Lepidoptera – Moths		
Synanthedon castaneae	Chestnut Clearwing Moth	SRF
Odonata		
Aeshna eremita	Lake Darner	SR
Calopteryx aequabilis	River Jewelwing	SR
Gomphus spicatus	Dusky Clubtail	SR
Neurocordulia virginiensis	Cinnamon Shadowdragon	SRF
Ophiogomphus alleghaniensis	Allegheny Snaketail	SR
Sympetrum internum	Cherry-faced Meadowhawk	SR
<u>FISHES</u>		
Cottus cognatus	Slimy Sculpin	SRF
<u>AMPHIBIANS</u>		
Siren lacertina	Greater Siren	SRF
REPTILES		
Eretmochelys imbricata	Atlantic Hawksbill Sea Turtle	SRN
<u>MAMMALS</u>		
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	SP
Glaucomys sabrinus	Northern Flying Squirrel	SP
Glaucomys sabrinus fuscus	Virginia Northern Flying Squirrel	SP
Lasiurus seminolus	Seminole Bat	SR
Mustela erminea	Ermine	SR
Myotis austroriparius	Southeastern Myotis	SR
Pseudorca crassidens	False Killer Whale	SR

### A CROSS REFERENCE OF ANIMAL SYNONYM NAMES USED IN PREVIOUS VERSIONS OF THIS LIST

#### SYNONYM NAME CURRENT NAME

**PLANARIANS** 

Macrocotyla hoffmasteri Sphalloplana hoffmasteri Planaria dactyligera Paraplanaria dactyligera

**MUSSELS** 

Anodonta imbecillis Utterbackia imbecillis Elliptio angustata Elliptio lanceolata

**CRUSTACEANS** 

Caecidotea sp. 2Caecidotea nordeniCaecidotea sp. 3Caecidotea mausiCaecidotea sp. 4Caecidotea vandeliCaecidotea sp. 5Caecidotea holsingeriTriodopsis multilineataWebbhelix multilineata

**SPIDERS** 

Porhomma cavernicola Porrhomma cavernicola

**INSECTS** 

Coleoptera

Hydrochus sp. 1 Hydrochus spangleri Scymnus gordoni Nephus gordoni

**Diptera** 

Wyeomyia haynei Wyeomyia smithii

**Ephemeroptera** 

Potamanthus walkeri Anthopotamus verticis

Lepidoptera - Butterflies

Mitoura hesseli Callophrys hesseli
Celastrina ebenina Celastrina nigra

Fixsenia favonius ontario
Satyrium favonius ontario
Fixsenia ontario
Satyrium favonius ontario
Hermeuptychia hermes
Hermeuptychia sosybius

Incisalia irusCallophrys irusNymphalis I-albumNymphalis vaualbumSatyrium caryaevorumSatyrium caryaevorus

Lepidoptera - Moths

Apamea mixta

Eucoptocnemis tripars

Eudule meridiana

Rhodoecia aurantiago

Xestia bollii

Zale sp. 1 nr. lunifera

Melanapamea mixta

Eucoptocnemis fimbriaris

Eubaphe meridiana

Pyrrhia aurantiago

Agnorisma bollii

Zale lunifera

Odonata

Aeshna mutata Rhionaeschna mutata Celithemis monomelaena Celithemis fasciata

Cordulegaster obliqua Cordulegaster obliqua fasciata

Enallagma cyathigerum Enallagma annexum

### A CROSS REFERENCE OF ANIMAL SYNONYM NAMES USED IN PREVIOUS VERSIONS OF THIS LIST

SYNONYM NAME

**CURRENT NAME** 

Erythrodiplax connata minuscula
Hylogomphus adelphus
Libellula exusta
Libellula julia

Erythrodiplax minuscula
Gomphus adelphus
Ladona exusta
Ladona julia

Macromia georgiana Macromia illinoiensis georgina

Tetragoneuria costalis Epitheca costalis
Tetragoneuria spinosa Epitheca spinosa

**FISHES** 

Percina caprodes Percina bimaculata
Lampetra appendix Lethenteron appendix

**AMPHIBIANS** 

Rana virgatipes Lithobates virgatipes

**REPTILES** 

Clemmys muhlenbergii Glyptemys muhlenbergii Eumeces anthracinus Plestiodon anthracinus

**BIRDS** 

Aimophila aestivalis Peucaea aestivalis
Caprimulgus vociferus Antrostomus vociferus

Carduelis pinus Spinus pinus

Dendroica caerulescens
Dendroica cerulea
Dendroica coronata
Dendroica fusca
Dendroica magnolia
Dendroica virens waynei
Setophaga caerulescens
Setophaga cerulea
Setophaga coronata
Setophaga fusca
Setophaga magnolia
Setophaga virens waynei

Gallinula chloropus
Larus atricilla
Leucophaeus atricilla
Oporornis philadelphia
Seiurus noveboracensis
Sterna antillarum
Sterna sandvicensis
Sterna maxima
Gallinula galeata
Leucophaeus atricilla
Geothlypis philadelphia
Parkesia noveboracensis
Sternula antillarum
Sternula antillarum
Thalasseus sandvicensis

Sterna maxima
Sterna nilotica
Sterna nilotica
Troglodytes troglodytes
Vermivora ruficapilla
Wilsonia canadensis

Halasseus maximus
Gelochelidon nilotica
Troglodytes hiemalis
Oreothlypis ruficapilla
Cardellina canadensis

**MAMMALS** 

Felis concolor couguarPuma concolor couguarPhyseter macrocephalusPhyseter catodonPipistrellus subflavusPerimyotis subflavusSylvilagus transitionalisSylvilagus obscurus

#### ANIMAL SPECIES UNDER REVIEW FOR CONSERVATION STATUS UPDATE

SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	STATE RANK
SCIENTIFIC NAME	COMMON NAME	KANK	KANK
PLANARIANS	A Court Obligate Plantagian	0400	OND
Sphalloplana buchanani Sphalloplana pricei	A Cave Obligate Planarian Refton Cave Planarian	G1G2 G2G3	SNR SNR
Зрпапоріала рпсеі	Rettori Cave Flandrian	G2G3	SINK
MOLLUSKS			
Catinella hubrichti	Snowhill Ambersnail	G3	SNR
Oxyloma effusum	Coastal-plain Ambersnail	G3	SNR
Oxyloma subeffusum	Chesapeake Ambersnail	G3	SNR
Paravitrea pontis	Natural Bridge Supercoil	G3	SNR
CRUSTACEANS			
Acanthocyclops columbiensis	A Copepod	G1	SNR
Crangonyx stagnicolous	An Amphipod	G2	SNR
Donnaldsoncythere donnaldsonensis	An Ostracod	G3	SNR
<u>INSECTS</u>			
Coleoptera			
Hydrocolus deflatus	A Predaceous Diving Beetle	GNR	SNR
Enhamazantaza			
Ephemeroptera Siphloplecton costalense	Speith's Great Speckled Olive Mayfly	G2G4	SNR
Ciprilopiodori dedicioned	Spoiling Grout Spoolied Silve Maying	0201	Onn
Lepidoptera - Butterflies			
Nymphalis vaualbum	Compton Tortoiseshell	G5	S1B
Lepidoptera - Moths			
Euchlaena milnei	A Geometrid Moth	G2G4	SNR
Hemaris gracilis	Slender Clearwing	G3G4	SNR
Hemipachnobia subporphyrea	Venus Flytrap Cutworm	G1	SNR
Lithophane lemmeri	Lemmer's Noctuid Moth	G3G4	SNR
Meropleon cosmion	A Noctuid Moth	G4	SNR
Papaipema araliae	Aralia Shoot Borer Moth	G3G4	SNR
Psectraglaea carnosa	Pink Sallow	G3	SNR
Ptichodis bistrigata	Southern Ptichodis	G3	SNR
Pyrrhia aurantiago	Aureolaria Seed Borer Plain Schizura	G3G4 G3G4	SNR SNR
Schizura apicalis Zale lunifera	Bold-based Zale Moth	G3G4 G3G4	SNR
Zale lullilela	Bold-based Zale Motifi	G3G4	SINIX
Plecoptera			
Alloperla aracoma	Aracoma Sallfly	G3	SNR
Alloperla biserrata	Dusky Sallfly	G3	SNR
Megaleuctra flinti	Shenandoah Needlefly	G2	SNR
Sweltsa palearata	Shenandoah Sallfly	G2G3	SNR
Sweltsa pocahontas	Pocahontas Sallfly	G2	SNR
Utaperla gaspesiana	Gaspe Sallfly	G3	SNR
Trichoptera			
Ceraclea spongillovorax	A Caddisfly	G3G4	SNR
Ceraclea uvalo	A Caddisfly	G2G4	SNR
Cernotina pallida	A Caddisfly	G3G4	SNR
Cheumatopsyche parentum	A Caddisfly	G3	SNR
Culoptila plummerensis	A Caddisfly	G1G2	SNR
Hydropsyche hoffmani Protoptila georgiana	A Caddisfly	G3G4 G3G4	SNR SNR
i rotoptila georgiana	A Caddisfly	G3G4	SINK